

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)
<p>1986 9 1 O=02 02 56.5 \pm 0.23s LAT=34.21 N \pm 1.61km LONG= 91.79 E \pm 2.56km DEPTH= 5 km \pm 0.12km STATIONS USED = 9, STAND DEV = 4.14s Ms=3.9/ 4,</p>								<p>1986 9 1 O=19 10 46.6 \pm 0.08s LAT=26.40 N \pm 1.14km LONG=126.50 E \pm 0.98km DEPTH=118 km \pm 0.47km STATIONS USED = 56, STAND DEV = 1.18s M_L=4.1/ 2,</p>							
LSA	4.5	187	cPn	02 04 06.6	0.1			SSE	6.6	316	-P	19 12 22.5	-0.2		
			LE		Ms=3.9	8.0	1.54				PMZ			1.0	0.050
GTA	8.3	49	cP	02 04 55.3	-4.9						LG ₁	19 14 17.0	2.9		
			eS	02 06 27.0	-8.0						LG ₂	19 14 32.0	7.4		
			LN		Ms=3.9	18.0	1.24	NJ2	8.7	312	+P	19 12 49.0	-2.5		
WMQ	10.1	343	c(P)	02 05 28.0	2.4						S	19 14 25.5	-3.0		
GYA	15.0	117	cP	02 06 29.0	-2.0						LE			1.0	0.040
<p>1986 9 1 O=08 48 25.7 \pm 0.11s LAT=37.71 N \pm 0.99km LONG=101.55 E \pm 1.00km DEPTH= 10 km \pm 0.17km STATIONS USED = 8, STAND DEV = 3.43s M_L=3.2/ 7,</p>								<p>WHN 11.5 294 cP 19 13 27.5 -0.3 TIA 12.6 323 cP 19 13 45.2 1.8 SNY 15.6 352 -P 19 14 22.2 1.2 BJI 16.1 330 cP 19 14 28.0 0.5 TIY 16.4 317 -P 19 14 32.6 1.3 (S) 19 17 31.0 2.0 XAN 17.0 301 +P 19 14 38.7 0.2 CN2 17.4 357 +P 19 14 43.8 0.5 GYA 17.8 275 P 19 14 49.0 0.9 MDJ 18.3 7 cP 19 14 54.1 -0.5 HHC 19.0 323 cP 19 15 02.6 0.7 BTO 19.7 320 cP 19 15 09.0 -0.1 CD2 20.4 288 cP 19 15 15.4 -1.5 KMI 21.4 272 cP 19 15 29.5 2.5 LZH 21.6 302 P 19 15 28.5 -0.1 PMZ 19 15 28.5 -0.1 1.5 0.060</p>							
GTA	2.2	322	+iPn	08 49 01.2	-1.3			GTA	25.8	307	P	19 16 06.1	-2.6		
			Pg	08 49 02.0	-2.1			WMQ	35.8	309	cP	19 17 36.0	-0.8		
			Sn	08 49 28.1	-3.1			<p>1986 9 1 O=21 47 34.3 \pm 0.09s LAT=46.52 N \pm 2.89km LONG=150.17 E \pm 2.09km DEPTH=155 km \pm 1.13km STATIONS USED = 80, STAND DEV = 1.55s m_B=5.2/ 2</p>							
			Sg	08 49 30.9	-3.0			MDJ	14.5	270	cP	21 50 55.2	1.2		
			SMN		M _L =3.0	0.6	0.078				PMZ			1.0	0.40
			SME			0.6	0.15				sP	21 51 36.5	1.7		
LZH	2.5	131	Pg	08 49 08.5	-0.8			<p>STATIONS USED = 9, STAND DEV = 4.77s M_L=3.1/ 6,</p>							
			Sg	08 49 41.5	-1.1			LZH	2.3	130	Pn	10 28 41.0	0.8		
			SMN		M _L =3.3	1.0	0.19				Pg	10 28 44.0	1.9		
			SME			1.2	0.18				Sn	10 29 11.5	1.3		
<p>1986 9 1 O=10 28 01.8 \pm 0.18s LAT=37.56 N \pm 1.52km LONG=101.67 E \pm 1.46km DEPTH= 9 km \pm 0.60km STATIONS USED = 9, STAND DEV = 4.77s M_L=3.1/ 6,</p>								<p>GTA 25.8 307 P 19 16 06.1 -2.6 WMQ 35.8 309 cP 19 17 36.0 -0.8</p>							
LZH	2.3	130	Pn	10 28 41.0	0.8						Sg	10 29 13.2	-0.1		
			Pg	10 28 44.0	1.9						SMN		M _L =3.2	1.0	0.15
			Sn	10 29 11.5	1.3						SME			1.0	0.17
			Sg	10 29 13.2	-0.1										
			SMN		M _L =3.2	1.0	0.15								
			SME			1.0	0.17								

LZH	46.6	76	eP	09 36 53.5	4.3
XAN	51.3	76	eP	09 37 23.4	-1.5
GYA	53.5	85	P	09 37 40.4	-1.5
BJI	53.6	66	eP	09 37 43.5	1.2

1986 9 3

O = 11 51 05.3 ± 0.17s

LAT = 51.22 N ± 2.03km

LONG = 178.19 W ± 0.97km

DEPTH = 44 km ± 1.64km

STATIONS USED = 44, STAND DEV = 1.09s

BJI	45.8	283	eP	11 59 25.0	0.2
TIA	47.6	278	eP	11 59 38.1	-0.8
HHC	48.1	286	-P	11 59 43.8	0.6
BTO	49.2	287	P	11 59 52.0	0.4
NJ2	49.2	272	-P	11 59 51.2	-0.3
TIY	49.5	283	P	11 59 54.6	0.5
XAN	54.1	281	eP	12 00 26.5	-1.8
LZH	55.8	287	+iP	12 00 41.0	0.0
		PMZ			
GTA	56.0	292	+iP	12 00 41.5	-0.8
CD2	59.4	282	eP	12 01 05.6	-0.5
GYA	60.7	277	P	12 01 14.6	-0.8
LSA	67.9	290	+P	12 02 01.7	-0.5

1986 9 3

O = 15 37 18.8 ± 0.10s

LAT = 23.21 N ± 3.85km

LONG = 143.78 E ± 2.97km

DEPTH = 40 km ± 1.52km

STATIONS USED = 37, STAND DEV = 1.67s

SSE	21.6	296	eP	15 42 05.5	-1.5
NJ2	23.7	297	eP	15 42 28.5	0.1
MDJ	24.3	335	eP	15 42 33.8	-0.3
SNY	25.1	322	+P	15 42 40.3	-1.2
CN2	25.5	328	eP	15 42 52.3	6.9
TIA	26.4	305	eP	15 42 52.8	-1.3
XAN	32.3	297	eP	15 43 45.3	-1.4
GYA	33.8	283	P	15 43 59.6	0.2
CD2	36.3	291	eP	15 44 20.6	-0.4
LSA	47.2	290	eP	15 45 51.2	0.4
WMQ	50.1	308	P	15 46 12.3	0.0

1986 9 3

O = 18 07 32.1 ± 0.05s

LAT = 23.46 N ± 2.20km

LONG = 143.74 E ± 1.86km

DEPTH = 32 km ± 1.09km

STATIONS USED = 30, STAND DEV = 1.22s

SSE	21.4	296	P	18 12 18.2	-1.4
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			ePP	18 12 43.7	0.1
NJ2	23.6	297	eP	18 12 41.0	-0.1
MDJ	24.1	335	eP	18 12 45.5	-0.3
SNY	24.9	322	+P	18 12 53.5	0.0
CN2	25.3	328	eP	18 12 57.8	0.5
TIA	26.3	305	eP	18 13 06.1	-0.5
XAN	32.2	297	eP	18 13 57.0	-2.5
GYA	33.7	283	P	18 14 13.0	0.3
CD2	36.2	291	eP	18 14 33.8	-0.3
LSA	47.1	289	eP	18 16 04.4	0.4
WMQ	49.9	308	-iP	18 16 25.8	0.7

1986 9 4

O = 02 43 12.6 ± 0.13s

LAT = 43.55 N ± 3.17km

LONG = 147.87 E ± 2.12km

DEPTH = 40 km ± 0.52km

STATIONS USED = 24, STAND DEV = 2.13s

MDJ	13.2	281	eP	02 46 21.8	1.8
BJI	23.8	272	eP	02 48 21.5	-1.5
TIY	27.4	270	+P	02 48 58.6	2.0
XAN	31.6	266	eP	02 49 26.4	-7.5
LZH	34.3	273	eP	02 49 58.0	0.1
WMQ	42.7	292	eP	02 51 07.6	0.0

1986 9 4

O = 23 01 57.4 ± 0.13s

LAT = 20.19 S ± 1.68km

LONG = 178.46 E ± 0.23km

DEPTH = 604 km ± 1.63km

STATIONS USED = 14, STAND DEV = 1.93s

CN2	80.1	324	-P	23 13 06.0	-1.4
TIY	84.6	313	eP	23 13 31.7	1.4
XAN	85.3	309	eP	23 13 36.3	2.6

1986 9 5

O = 02 47 17.4 ± 0.19s

LAT = 59.44 S ± 4.86km

LONG = 29.45 W ± 4.27km

DEPTH = 28 km ± 0.90km

STATIONS USED = 60, STAND DEV = 2.56s

Ms = 6.3 / 23, m_B = 6.2 / 3

KSH	130.5	79	ePKP	03 06 32.1	5.2
			SKKS	03 13 40.1	
			LN	Ms = 6.1	8.0 1.10
LSA	130.5	100	ePKP	03 06 29.5	2.2
			LE	Ms = 6.3	22.0 4.26
CD2	137.7	111	ePKP	03 06 40.0	-0.4
			ePP	03 09 28.0	-2.2
			SKKS	03 13 34.0	

September, 1986

			LN	Ms=6.1	26.0	3.30	MDJ	160.5	130	ePKP	03 07 14.1	-1.2		
										PP	03 11 38.0	-2.7		
WMQ	139.6	84	ePKP	03 06 40.0	-3.8									
LZH	142.0	107	ePKP	03 06 45.0	-3.1									
			ePP	03 09 48.0	-7.9									
			LE	Ms=5.9	22.0	1.57								
WHN	142.2	124	ePKP	03 06 45.5	-2.8									
			ePP	03 09 56.0	-1.3									
			SS	03 28 28.0	1.1									
			LN	Ms=6.3	18.0	2.69								
			LE		19.0	2.29	QZN	20.3	307	eP	03 47 45.4	-1.7		
GTA	142.6	99	PKP	03 06 48.7	-0.3									
			LN	Ms=6.7	10.0	4.99	SNY	34.4	356	eP	03 49 57.7	-0.4		
XAN	142.8	114	ePKP	03 06 45.8	-3.5		MDJ	37.2	3	eP	03 50 21.7	0.5		
			PP	03 10 01.5	1.0									
			LE	Ms=6.1	18.0	2.12								
NJ2	145.4	128	+PKP	03 06 54.2	0.4									
SSE	145.5	132	PKP	03 06 53.0	-0.9									
			PKP ₂	03 06 56.0										
			PP	03 10 18.0	1.2									
			eSKKS	03 16 59.0										
			SS	03 29 06.0	2.4									
			LN	Ms=6.3	20.0	3.73	TIA	172.8	266	ePKP	06 26 14.4	0.6		
TIY	147.4	115	+PKP	03 06 59.0	1.7		GTA	173.0	68	PKP	06 26 14.9	0.7		
			SKKS	03 17 18.0			LZH	176.3	105	ePKP	06 26 18.0	2.8		
			LN	Ms=6.4	19.0	2.97								
			LE		19.0	2.40								
TIA	148.3	122	ePKP	03 07 02.0	3.4									
			PKP ₂	03 07 19.0										
			PP	03 10 33.2	-0.2									
			LN	Ms=6.2	19.0	1.14	LSA	5.3	83	eP	08 35 45.4	1.3		
			LE		19.0	2.71				S	08 36 41.8	-1.9		
BTO	148.5	109	ePKP	03 07 02.6	3.5		GTA	15.8	46	+P	08 38 08.6	1.1		
			LN	Ms=6.2	18.0	1.80	GYA	19.2	93	P	08 38 53.2	3.6		
			LE		18.0	1.80	CN2	35.2	54	eP	08 41 16.0	-2.4		
HHC	149.5	110	ePKP	03 07 05.4	4.7									
BJI	151.0	117	ePKP	03 07 03.0	0.2									
			ePP	03 10 49.0	0.0									
DL2	152.5	125	ePKP	03 07 12.0	7.0									
			eSKKS	03 14 12.0										
			eSS	03 30 30.0	8.6									
			LN	Ms=6.6	30.0	8.26								
			LE		21.0	2.84								
SNY	155.7	125	+iPKP	03 07 10.0	0.7									
			PP	03 11 07.0	-8.4									
			SKKS	03 17 44.0										
			LN	Ms=6.1	40.0	4.34	LSA	6.1	311	ePn	16 16 04.6	0.7		
			LE		50.0	3.03				LE	Ms=3.6	7.0	0.44	
CN2	158.1	125	ePKP	03 07 15.0	2.4		GYA	9.3	84	P	16 16 51.0	1.0		
			PKP ₂	03 07 54.5			LZH	12.1	30	eP	16 17 26.5	-2.5		
			LN	Ms=6.4	18.0	3.80	XAN	13.6	50	eP	16 17 50.0	0.8		
							GTA	13.9	11	eP	16 18 00.0	7.1		
										LE	Ms=3.0	9.0	0.040	
							WHN	16.5	69	eP	16 18 26.0	-0.9		

WMQ	19.3	341	cP	16 19 00.5	-1.3
TIA	20.5	55	cP	16 19 12.8	-2.0
BJI	21.8	44	cP	16 19 29.0	1.6
KSH	21.9	314	cP	16 19 34.0	5.5

1986 9 5

O = 19 03 41.5 ± 0.09s
 LAT = 8.28 S ± 1.19km
 LONG = 130.93 E ± 1.09km
 DEPTH = 34 km ± 0.16km

STATIONS USED = 36, STAND DEV = 0.99s

WHN	41.8	338	cP	19 11 29.0	-0.6
XAN	47.0	335	cP	19 12 10.4	-1.3
TIY	48.9	341	cP	19 12 26.6	-0.2
BJI	50.0	345	cP	19 12 35.0	0.1
SNY	50.3	353	-P	19 12 37.4	-0.1
CN2	52.1	355	cP	19 12 50.4	-0.4
LSA	53.8	316	cP	19 13 02.2	-1.6
GTA	55.5	331	+P	19 13 16.3	-0.1
WMQ	65.0	327	+iP	19 14 21.0	0.1
KSH	69.5	317	(P)	19 14 52.7	2.9

1986 9 5

O = 19 53 24.1 ± 0.09s
 LAT = 36.15 N ± 1.05km
 LONG = 31.69 E ± 0.84km
 DEPTH = 76 km ± 0.50km

STATIONS USED = 30, STAND DEV = 1.11s

WMQ	42.9	62	+iP	20 01 18.7	1.5
LSA	49.7	79	cP	20 02 10.2	-0.9
GTA	52.8	65	P	20 02 34.2	-0.1
LZH	57.0	67	c(P)	20 03 03.0	-1.7
CD2	59.0	72	cP	20 03 18.8	-0.3
HHC	60.6	59	P	20 03 30.6	0.5
XAN	61.6	67	cP	20 03 35.5	-1.0
TIY	62.5	62	cP	20 03 42.8	-0.2
BJI	64.1	58	cP	20 03 54.0	0.6

1986 9 5

O = 21 08 24.2 ± 0.12s
 LAT = 1.89 N ± 1.28km
 LONG = 126.82 E ± 1.80km
 DEPTH = 75 km ± 0.87km

STATIONS USED = 33, STAND DEV = 1.61s

XAN	36.1	334	cP	21 15 18.0	-3.1
TIY	38.0	341	cP	21 15 40.2	2.9
BJI	39.2	347	cP	21 15 47.0	0.1
SNY	39.9	356	-P	21 15 52.5	0.0
LZH	40.1	331	cP	21 15 55.5	0.6
MDJ	42.6	3	cP	21 16 15.5	0.4

LSA	43.7	313	cP	21 16 23.8	-0.9
GTA	44.7	330	P	21 16 33.7	1.4
WMQ	54.3	326	cP	21 17 46.5	0.9

1986 9 5

O = 22 40 24.1 ± 0.34s
 LAT = 6.71 N ± 3.60km
 LONG = 94.35 E ± 2.40km
 DEPTH = 28 km ± 0.66km

STATIONS USED = 34, STAND DEV = 2.29s

GYA	22.9	29	cP	22 45 28.2	1.3
LSA	23.1	353	cP	22 45 25.9	-3.2
CD2	25.6	19	cP	22 45 52.6	-0.9
XAN	30.4	24	P	22 46 34.5	-1.7
LZH	30.5	15	cP	22 46 36.5	-1.2
GTA	32.9	8	-iP	22 46 57.0	-1.9
WMQ	37.4	352	cP	22 47 35.4	-1.8
BJI	38.5	27	cP	22 47 47.0	0.6
SNY	43.5	32	-P	22 48 27.2	-0.4
CN2	45.9	31	cP	22 48 50.0	3.4
MDJ	48.7	33	cP	22 49 13.7	5.5

1986 9 6

O = 00 11 05.1 ± 0.09s
 LAT = 15.75 S ± 1.04km
 LONG = 177.84 W ± 1.61km
 DEPTH = 442 km ± 0.68km

STATIONS USED = 44, STAND DEV = 0.99s

MDJ	76.7	324	cP	00 22 11.2	-0.6
NJ2	77.0	309	-P	00 22 14.0	0.9
CN2	78.7	322	-P	00 22 22.5	0.4
SNY	78.7	319	-iP	00 22 22.7	0.4
BJI	82.6	315	cP	00 22 43.0	0.3
TIY	84.2	312	cP	00 22 50.8	0.0
GYA	84.5	299	P	00 22 53.4	1.5
XAN	85.4	307	cP	00 22 56.2	-0.2
LZH	90.0	308	c(P)	00 23 17.0	-1.3
GTA	94.1	310	P	00 23 36.3	-0.7

1986 9 6

O = 02 24 05.1 ± 0.12s
 LAT = 15.03 S ± 0.96km
 LONG = 177.57 W ± 1.52km
 DEPTH = 382 km ± 0.89km

STATIONS USED = 26, STAND DEV = 1.26s

MDJ	76.3	324	cP	02 35 11.0	-4.3
CN2	78.3	322	cP	02 35 25.6	-0.2
BJI	82.3	315	cP	02 35 48.0	0.9
XAN	85.2	307	cP	02 36 02.4	1.1
GTA	93.8	310	-P	02 36 42.0	0.1

1986 9 6
 O=04 04 36.0 ± 0.10s
 LAT= 1.53 N ± 0.84km
 LONG=127.42 E ± 1.11km
 DEPTH=142 km ± 0.90km
 STATIONS USED = 24, STAND DEV= 1.11s

XAN	36.7	334	eP	04 11 31.0	-0.1
TIY	38.6	341	eP	04 11 46.7	-0.2
BJI	39.7	346	eP	04 11 55.0	-1.0
MDJ	42.9	2	eP	04 12 22.0	-0.8
GTA	45.3	330	+iP	04 12 42.4	0.4
WMQ	54.9	326	P	04 13 55.0	0.2

1986 9 6
 O=05 58 51.7 ± 0.12s
 LAT=37.68 N ± 1.26km
 LONG=101.74 E ± 1.08km
 DEPTH= 9 km ± 0.06km
 STATIONS USED = 9, STAND DEV= 3.69s
 M_L=2.9 / 5,

GTA	2.3	319	Pn	05 59 28.8	-1.4
			Pg	05 59 30.3	-1.9
			Sg	05 59 59.2	-4.4
			SMN	M _L =2.8	0.5 0.040
			SME		0.6 0.086
LZH	2.3	133	ePn	05 59 32.0	1.4
			PMZ		1.0 0.040
			eSn	06 00 02.5	1.6
XAN	6.9	120	ePg	06 00 52.4	-0.8

1986 9 6
 O=08 52 25.1 ± 0.08s
 LAT=23.24 S ± 1.50km
 LONG=176.67 W ± 1.69km
 DEPTH=127 km ± 0.98km
 STATIONS USED = 63, STAND DEV= 0.99s

GZH	82.1	299	+P	09 04 34.7	0.9
NJ2	82.6	309	+P	09 04 36.3	0.2
MDJ	83.5	325	+P	09 04 40.7	0.1
WHN	85.0	306	eP	09 04 48.0	-0.5
SNY	85.1	320	+iP	09 04 48.4	-0.3
CN2	85.2	322	-P	09 04 48.3	-1.0
TIA	86.0	312	eP	09 04 53.5	0.2
BJI	88.7	315	eP	09 05 06.5	0.4
GYA	89.1	299	P	09 05 09.0	1.0
TIY	90.0	311	eP	09 05 13.0	0.6
XAN	90.8	307	eP	09 05 16.2	0.3
KMI	91.7	297	+P	09 05 23.5	3.2
BTO	93.0	313	eP	09 05 26.5	0.0

LZH	95.4	307	e(P)	09 05 37.0	-0.3
GTA	99.6	309	P	09 05 56.0	-0.6

1986 9 6
 O=15 31 01.1 ± 0.11s
 LAT=36.45 N ± 1.68km
 LONG= 71.24 E ± 1.33km
 DEPTH= 83 km ± 0.07km
 STATIONS USED = 48, STAND DEV= 1.67s
 M_s=4.6 / 3,

KSH	4.8	50	-iP	15 32 15.3	2.4
			S	15 33 07.3	0.0
			LE	M _s =5.2	4.0 13.3
WMQ	14.6	55	+iP	15 34 22.5	-2.1
			PMZ		1.0 0.090
			S	15 36 56.0	-7.9
			LN		2.5 0.16
LSA	18.0	106	eP	15 35 04.1	-3.7
GTA	22.7	74	P	15 35 59.3	2.4
			LN	M _s =4.2	8.0 0.21
LZH	26.2	81	P	15 36 32.0	1.4
			PMZ		1.0 0.020
CD2	27.5	92	eP	15 36 43.0	0.5
BTO	30.5	70	eP	15 37 08.3	-0.3
XAN	30.7	83	eP	15 37 10.0	-1.1
BJI	35.2	70	eP	15 37 50.0	0.5
			eScP	15 43 54.0	-1.5
TIA	36.7	76	eP	15 38 03.2	0.9
NJ2	39.3	82	eP	15 38 22.6	-1.2
DL2	39.6	71	eP	15 38 26.5	0.5
SNY	40.4	66	eP	15 38 32.6	-0.7
SSE	41.5	82	eP	15 38 42.4	0.4
			epP	15 39 07.5	6.0

1986 9 6
 O=20 04 23.7 ± 0.11s
 LAT=20.59 S ± 1.86km
 LONG=178.38 W ± 2.45km
 DEPTH=591 km ± 0.78km
 STATIONS USED = 74, STAND DEV= 0.96s
 m_B=5.4 / 4

QZH	76.2	304	+P	20 15 14.5	0.5
SSE	77.5	310	P	20 15 20.0	-1.0
			PMZ		1.0 0.050
			epP	20 17 26.0	2.0
			eS	20 24 22.0	-3.6
			eSKS	20 24 34.0	0.0
			eScS	20 24 41.0	-1.8
GZH	79.5	300	-P	20 15 32.5	1.0
NJ2	79.7	310	-iP	20 15 33.0	0.4

LONG = 169.54 E ± 1.09km
 DEPTH = 669 km ± 0.52km
 STATIONS USED = 44, STAND DEV = 0.76s

SSE	63.7	314	cP	01 53 50.2	-0.5
			PMZ		1.0 0.010
NJ2	65.9	314	-P	01 54 04.6	0.4
MDJ	67.6	330	cP	01 54 15.0	0.0
WHN	68.3	310	cP	01 54 18.5	-0.6
SNY	68.8	325	cP	01 54 21.8	-0.4
CN2	69.2	327	cP	01 54 23.0	-1.1
TIY	73.4	316	+P	01 54 49.1	0.7
			S	02 03 26.5	0.8
XAN	74.0	311	+P	01 54 52.4	0.3
GTA	82.9	313	+P	01 55 39.6	0.6
WMQ	92.9	314	cP	01 56 25.5	-0.5

1986 9 7
 O = 02 13 49.2 ± 0.15s
 LAT = 22.93 S ± 1.20km
 LONG = 177.10 W ± 2.17km
 DEPTH = 196 km ± 0.77km
 STATIONS USED = 49, STAND DEV = 1.16s

SSE	79.9	310	cP	02 25 36.4	-1.9
			pP	02 26 29.7	4.6
			cSKS	02 35 26.0	-4.8
NJ2	82.1	310	+P	02 25 50.4	0.7
MDJ	83.0	325	cP	02 25 51.0	-3.5
WHN	84.6	306	cP	02 26 01.5	-0.8
CN2	84.7	322	cP	02 26 03.0	-0.2
TIA	85.5	312	+P	02 26 07.8	0.6
BJI	88.2	315	cP	02 26 19.0	-0.9
GYA	88.6	299	cP	02 26 22.4	0.5
TIY	89.5	312	+P	02 26 27.2	1.0
XAN	90.3	307	P	02 26 30.4	0.7
KMI	91.2	297	cP	02 26 38.0	3.8
GTA	99.1	309	P	02 27 11.5	1.0

1986 9 7
 O = 07 50 39.7 ± 0.31s
 LAT = 8.02 S ± 3.23km
 LONG = 97.76 W ± 4.50km
 DEPTH = 13 km ± 2.06km
 STATIONS USED = 23, STAND DEV = 2.05s

WMQ	144.0	353	cPKP	08 10 14.7	-1.5
XAN	144.3	320	cPKP	08 10 15.0	-1.7
GTA	145.0	336	-iPKP	08 10 17.8	-0.2
LZH	145.8	328	PKP	08 10 21.8	2.4
GYA	150.4	311	PKP	08 10 32.8	5.9

1986 9 7

O = 11 43 26.2 ± 0.13s
 LAT = 3.28 N ± 1.84km
 LONG = 127.52 E ± 3.64km
 DEPTH = 31 km ± 0.71km
 STATIONS USED = 19, STAND DEV = 2.21s

XAN	35.2	333	cP	11 50 19.0	-0.8
BJI	38.0	346	cP	11 50 45.0	1.4
SNY	38.5	355	cP	11 50 51.8	3.8
LSA	43.3	311	cP	11 51 25.1	-2.9
GTA	43.9	329	cP	11 51 31.9	-0.4
WMQ	53.5	325	c(P)	11 52 47.0	0.1

1986 9 7
 O = 13 25 19.7 ± 0.09s
 LAT = 6.99 S ± 0.96km
 LONG = 154.78 E ± 0.59km
 DEPTH = 47 km ± 0.57km

STATIONS USED = 30, STAND DEV = 0.96s

WHN	53.8	316	cP	13 34 41.0	0.6
CN2	57.1	335	cP	13 35 02.6	-1.7
XAN	59.6	316	cP	13 35 21.0	-0.5
CD2	61.7	311	cP	13 35 35.8	0.0
LZH	64.2	316	P	13 35 54.0	1.5
			PMZ		1.5 0.020
GTA	68.6	317	+P	13 36 21.3	0.7
WMQ	78.7	317	cP	13 37 19.5	0.0

1986 9 7
 O = 14 11 05.0 ± 0.48s
 LAT = 24.14 N ± 3.53km
 LONG = 121.74 E ± 2.71km
 DEPTH = 16 km ± 0.19km

STATIONS USED = 10, STAND DEV = 2.25s
 M_L = 3.6 / 5,

QZH	3.0	286	cPn	14 11 52.3	0.3
			Sn	14 12 23.6	-5.6
			SMN	M _L = 3.6	0.3 0.32
			SME		0.3 0.14
SSE	6.9	356	cPn	14 12 49.0	2.5
			cLG ₂	14 14 49.0	-5.2
NJ2	8.3	343	+P	14 13 05.6	-1.9
			cS	14 14 37.4	-4.2
			LE		0.8 0.040

1986 9 7
 O = 16 35 22.3 ± 0.26s
 LAT = 24.78 N ± 1.70km
 LONG = 122.08 E ± 1.78km
 DEPTH = 15 km ± 0.07km
 STATIONS USED = 10, STAND DEV = 1.90s

$M_L = 3.6 / 6,$

QZH	3.2	274	cPn	16 36 12.2	0.1
			Sn	16 36 47.4	-4.1
			SMN	$M_L = 3.2$	0.4 0.080
			SME		0.5 0.10
SSE	6.3	353	Pn	16 36 57.5	1.8
			eLG ₂	16 38 54.0	2.5

1986 9 7
 O=20 11 07.2 ± 0.22s
 LAT=59.49 S ± 5.59km
 LONG= 25.76 W ± 4.90km
 DEPTH= 37 km ± 0.89km
 STATIONS USED = 48, STAND DEV= 2.77s

$M_s = 5.3 / 3,$

KSH	128.7	76	cPKP	20 30 11.0	-0.9
LSA	128.7	96	cPKP	20 30 12.4	0.1
GYA	133.6	114	PKP	20 30 24.0	2.7
WMQ	137.8	81	cPKP	20 30 24.5	-4.5
LZH	140.2	103	cPKP	20 30 31.5	-1.9
WHN	140.6	119	cPKP	20 30 29.0	-5.0
GTA	140.7	96	cPKP	20 30 28.0	-6.3
			LN	$M_s = 5.3$	26.0 0.51
XAN	141.0	110	cPKP	20 30 30.4	-4.4
NJ2	143.8	124	+PKP	20 30 39.0	-0.5
SSE	144.0	127	PKP	20 30 39.7	-0.1
			LN	$M_s = 5.7$	20.0 0.56
			LE		20.0 0.58
TIY	145.6	110	+iPKP	20 30 44.8	2.0
			LN	$M_s = 5.3$	26.0 0.46
TIA	146.6	118	+PKP	20 30 47.8	3.4
BTO	146.7	105	PKP	20 30 48.0	3.3
BJI	149.3	112	cPKP	20 30 50.0	1.4
CN2	156.5	119	cPKP	20 30 59.0	0.1
MDJ	158.9	124	cPKP	20 30 59.0	-3.1

1986 9 7
 O=22 10 35.3 ± 0.05s
 LAT= 2.17 N ± 0.61km
 LONG=126.99 E ± 0.73km
 DEPTH= 33 km ± 0.18km
 STATIONS USED = 9, STAND DEV= 1.20s

XAN	35.9	334	P	22 17 33.2	-1.7
BJI	39.0	347	cP	22 18 01.0	0.7

1986 9 7
 O=23 57 04.6 ± 0.09s
 LAT= 9.60 S ± 0.69km
 LONG=112.18 E ± 0.37km
 DEPTH= 81 km ± 0.78km

STATIONS USED = 16, STAND DEV = 0.85s

XAN	43.5	356	P	24 05 02.6	0.5
LSA	44.0	333	cP	24 05 05.6	-1.0
GTA	50.1	348	P	24 05 54.7	0.7

1986 9 8
 O=00 36 15.7 ± 0.09s
 LAT=12.73 S ± 1.10km
 LONG=169.48 E ± 1.46km
 DEPTH=642 km ± 0.51km

STATIONS USED = 39, STAND DEV = 0.87s

NJ2	65.8	314	-P	00 46 02.2	0.3
MDJ	67.6	330	cP	00 46 12.5	-0.2
WHN	68.2	310	P	00 46 16.5	-0.3
SNY	68.8	325	cP	00 46 19.6	-0.3
CN2	69.1	327	+P	00 46 21.4	-0.4
			PMZ		2.0 0.10
			pP	00 48 30.0	1.5
			eS	00 54 36.0	-3.1
TIA	69.3	317	cP	00 46 22.4	-0.7
BJI	72.1	320	cP	00 46 39.5	0.2
GYA	72.4	303	P	00 46 41.4	0.3
XAN	74.0	311	P	00 46 50.0	0.1
KMI	75.1	300	+P	00 46 58.5	2.0
LZH	78.6	311	cP	00 47 16.5	1.3
			PMZ		2.0 0.060
GTA	82.9	313	+P	00 47 37.0	0.0
WMQ	92.9	314	P	00 48 23.5	-0.5

1986 9 8
 O=02 39 51.7 ± 0.15s
 LAT= 4.24 N ± 2.34km
 LONG= 96.17 E ± 2.27km
 DEPTH= 47 km ± 0.80km

STATIONS USED = 79, STAND DEV = 1.48s

$M_s = 5.5 / 45,$ $m_B = 5.4 / 11$

QZN	19.9	41	eP	02 44 23.0	1.1
			pP	02 44 32.0	-0.2
			sP	02 44 36.0	-1.9
			S	02 47 55.0	-2.0
			SMN	$m_B = 5.9$	10.0 3.40
			SME		11.0 2.50
			LN	$M_s = 5.6$	17.5 11.2
			LE		18.0 10.8
KMI	21.7	16	-P	02 44 43.0	1.9
			PMZ	$m_B = 4.8$	4.0 0.20
			sP	02 45 02.0	4.9
			eS	02 48 43.0	9.6
			LN	$M_s = 5.5$	15.0 9.10
GYA	24.3	23	-P	02 45 07.0	0.9

September, 1986

			S	02 49 23.0	5.2				TIY	36.5	22	eP	02 46 56.6	1.8		
			LN	Ms=5.4	13.0	3.50						PP	02 48 12.5	-6.1		
			LE		13.0	4.30						S	02 52 32.5	0.7		
GZH	25.0	40	eP	02 45 14.0	0.7							SME	m _B =5.1	12.0	0.48	
			S	02 49 36.0	5.3							SS	02 55 09.5	9.8		
			LN	Ms=5.5	14.0	4.78						LN	Ms=5.5	11.0	1.89	
			LE		14.0	4.40						LE		13.0	2.78	
LSA	25.8	350	P	02 45 19.0	-1.7				TIA	37.2	29	eP	02 47 02.6	1.8		
			eS	02 49 52.0	7.6							S	02 52 45.0	2.1		
			SMN			14.0	4.72					SME	m _B =5.4	11.0	0.80	
			LE	Ms=5.5		14.0	7.06					LN	Ms=5.7	13.0	1.13	
			isS	02 50 04.5	1.5							LE		13.5	5.00	
			SS	02 50 44.5	-4.8				BTO	38.3	17	P	02 47 10.0	0.1		
CD2	27.5	14	eP	02 45 34.8	-1.2							ePP	02 48 38.5	-2.2		
			S	02 50 15.0	4.3							eS	02 52 59.0	-1.4		
			LE	Ms=5.7		12.0	7.84					LN	Ms=5.8	12.0	4.50	
QZH	29.8	44	eP	02 45 56.8	0.0							LE		12.0	3.70	
			eS	02 50 50.0	1.3				HHC	39.0	19	eP	02 47 16.8	1.0		
			LN	Ms=5.5		16.0	5.32					S	02 53 00.5	-9.4		
WHN	31.3	31	eP	02 46 09.5	-0.4							LN	Ms=5.5	12.0	2.38	
			eS	02 51 10.0	-1.9							LE		13.0	1.96	
			SMN	m _B =5.3		7.0	0.53		KSH	39.5	335	eP	02 47 22.4	2.0		
			LN	Ms=5.6		12.0	5.10					S	02 53 23.4	5.2		
XAN	31.9	20	P	02 46 15.2	-0.5							LN	Ms=5.3	14.0	2.20	
			S	02 51 22.0	0.7				BJI	40.0	24	eP	02 47 24.0	0.3		
			LN	Ms=5.9		8.0	2.47					eS	02 53 16.0	-9.4		
			LE			8.0	6.12					SME	m _B =5.2	11.0	0.51	
LZH	32.5	12	eP	02 46 20.5	0.0							eSS	02 56 20.0	3.4		
			PMZ			2.5	0.080					LN	Ms=5.3	13.0	1.81	
			eS	02 51 30.0	-0.9				WMQ	40.1	350	eP	02 47 25.5	0.3		
			SMN	m _B =5.1		9.0	0.40					PP	02 49 04.0	2.5		
			LN	Ms=5.5		12.0	0.97					S	02 53 28.0	1.1		
			LE			12.0	3.33					LE	Ms=5.0	28.0	2.10	
NJ2	34.9	35	-P	02 46 40.8	-0.5				DL2	41.5	30	eP	02 47 36.0	-0.7		
			S	02 52 11.5	4.1							sP	02 47 55.0	1.3		
			SMN	m _B =5.5		11.0	1.10					eS	02 53 51.0	2.1		
			SME			12.0	0.40					LN	Ms=5.5	8.0	0.92	
			LN	Ms=5.9		10.0	6.50					LE		12.0	2.03	
GTA	35.2	5	P	02 46 41.3	-2.4				SNY	44.7	29	+P	02 48 01.6	-1.0		
			eS	02 52 09.5	-3.2							epP	02 48 10.5	-4.1		
			LN	Ms=5.6		16.0	5.10					S	02 54 35.0	0.6		
SSE	35.6	39	eP	02 46 47.0	-0.3							SME		13.0	0.59	
			PMZ			1.0	0.020					LN	Ms=5.6	18.0	3.86	
			cpP	02 46 59.0	0.0							LE		16.0	2.03	
			esP	02 47 05.7	1.7				CN2	47.1	29	eP	02 48 20.6	-1.0		
			S	02 52 22.0	3.7							PP	02 50 12.0	0.6		
			esS	02 52 39.0	-0.3							eS	02 55 06.0	-3.5		
			eSS	02 54 37.0	-3.1							eSS	02 58 22.0	-7.3		
			LN	Ms=5.4		8.0	1.27					LN	Ms=5.5	13.0	2.30	
			LE			9.0	1.28		MDJ	49.8	31	eP	02 48 41.8	-0.4		

S 02 55 50.0 4.3

1986 9 8
 O=05 10 46.8 ± 0.42s
 LAT=28.56 N ± 2.55km
 LONG=130.02 E ± 2.29km
 DEPTH=24 km ± 1.37km
 STATIONS USED = 19, STAND DEV = 2.73s
 Ms=4.1/ 4,

CN2	15.6	348	cP	05 14 31.0	3.2
			cS	05 17 27.0	6.2
			LE	Ms=4.1	13.0 0.60
BJI	16.2	319	cP	05 14 33.0	-1.4
TIY	17.3	306	cP	05 14 51.6	2.7
			LN	Ms=4.0	11.0 0.25
			LE		12.0 0.24
XAN	18.8	292	cP	05 15 05.0	-2.8
GYA	20.8	270	P	05 15 33.8	4.2
LZH	23.3	295	c(P)	05 15 51.5	-3.1
GTA	27.2	301	cP	05 16 28.9	-2.1
			LN	Ms=4.3	15.0 0.41

1986 9 8
 O=06 38 38.8 ± 0.50s
 LAT=7.87 N ± 3.84km
 LONG=93.76 E ± 2.80km
 DEPTH=53 km ± 2.36km
 STATIONS USED = 16, STAND DEV = 3.56s

KMI	19.2	26	cP	06 43 02.0	0.7
LSA	21.9	354	cP	06 43 23.6	-5.8
			cS	06 47 22.0	-0.6
GYA	22.2	32	cP	06 43 32.6	0.3
XAN	29.6	26	cP	06 44 44.0	2.8
GTA	31.9	9	cP	06 44 59.4	-2.4
WMQ	36.2	353	P	06 45 38.0	-0.9

1986 9 8
 O=07 03 15.2 ± 0.13s
 LAT=25.40 N ± 1.87km
 LONG=66.59 E ± 1.87km
 DEPTH=32 km ± 0.21km
 STATIONS USED = 38, STAND DEV = 1.55s
 Ms=4.8/ 9,

KSH	16.1	27	cP	07 07 01.7	0.8
			cS	07 09 57.7	-0.6
			cLG ₂	07 11 56.7	-9.3
			LE	Ms=5.0	13.0 4.20
LSA	22.2	73	cP	07 08 10.3	-0.5
			LN	Ms=4.8	16.0 1.82
WMQ	25.2	38	P	07 08 41.0	1.5

			LN	Ms=4.7	18.0 1.21
GTA	31.1	55	P	07 09 33.6	-0.1
			LN	Ms=4.6	19.0 0.75
KMI	32.6	83	cP	07 09 48.5	1.6
LZH	33.6	62	cP	07 09 55.0	0.1
XAN	37.5	67	cP	07 10 28.0	-0.6
			LN	Ms=4.8	16.0 0.70
BTO	39.0	56	cP	07 10 42.0	0.8
			cS	07 16 37.0	-1.4
			LN	Ms=4.7	14.0 0.40
			LE		14.0 0.30
WHN	42.2	72	cP	07 11 06.0	-1.5
BJI	43.7	58	cP	07 11 19.5	0.5
NJ2	45.9	69	cP	07 11 37.0	-0.4
			LN	Ms=5.0	14.0 0.80
CN2	50.7	53	cP	07 12 12.6	-1.9

1986 9 9
 O=00 30 47.3 ± 0.16s
 LAT=45.45 N ± 2.10km
 LONG=114.73 E ± 1.74km
 DEPTH=15 km ± 0.50km
 STATIONS USED = 63, STAND DEV = 3.17s
 Ms=4.9/ 31, M_L=5.3/ 9, m_B=5.4/ 2

HHC	5.2	208	Pn	00 32 05.0	0.5
			Pg	00 32 21.2	2.9
			Sg	00 33 25.2	-3.5
			SMN	M _L =4.7	1.0 0.78
			SME		1.0 1.07
BJI	5.5	168	Pn	00 32 10.0	0.7
			Pg	00 32 28.0	3.4
			Sn	00 33 10.0	-4.6
			Sg	00 33 37.0	-3.0
			SMN	M _L =5.5	0.5 3.73
			SME		0.5 6.13
BTO	6.0	217	Pn	00 32 16.4	0.8
			Pg	00 32 36.4	3.9
			Sg	00 33 52.3	-1.6
			SMN	m _B =5.2	10.0 3.00
			SME		10.0 3.90
SNY	7.4	116	Pg	00 33 06.6	9.1
			Sg	00 34 33.2	-4.9
			LN	Ms=5.1	11.0 13.8
			LE		6.0 3.20
CN2	7.8	98	cPn	00 32 39.6	-1.5
			Pg	00 33 09.6	4.2
			SMN	M _L =5.6	1.0 1.85
			SME		1.0 1.75
TIY	7.9	193	Pn	00 32 46.4	3.8
			Pg	00 33 11.2	4.1

LSA	41.3	284	+P	07 40 01.6	0.1
WMQ	43.2	305	P	07 40 17.1	0.5

1986 9 9
 O = 08 53 52.8 ± 0.12s
 LAT = 36.17 N ± 1.15km
 LONG = 71.42 E ± 1.02km
 DEPTH = 143 km ± 1.00km
 STATIONS USED = 9, STAND DEV = 2.47s
 M_L = 4.4 / 1,

KSH	4.9	46	cP	08 55 06.2	0.4
			S	08 55 57.2	-4.3
WMQ	14.6	54	P	08 57 12.1	-2.0
			S	08 59 50.7	-1.5
GTA	22.6	73	-P	08 58 46.5	3.8

1986 9 9
 O = 14 17 43.3 ± 0.12s
 LAT = 39.71 N ± 1.75km
 LONG = 72.52 E ± 1.29km
 DEPTH = 25 km ± 0.48km
 STATIONS USED = 11, STAND DEV = 2.79s
 M_L = 4.0 / 2,

KSH	2.7	94	Pn	14 18 26.0	0.3
			cSn	14 18 59.5	0.6
			SMN	M _L = 4.2	0.3 1.00
			SME		0.5 1.20
WMQ	12.1	65	cP	14 20 34.0	-2.8
			LG ₁	14 24 03.5	1.7
			LN		2.5 0.13
GTA	21.0	82	P	14 22 25.6	-2.5

1986 9 9
 O = 14 42 44.1 ± 0.10s
 LAT = 1.13 N ± 1.34km
 LONG = 128.10 E ± 2.63km
 DEPTH = 34 km ± 0.23km
 STATIONS USED = 50, STAND DEV = 1.11s
 M_s = 4.4 / 2,

QZN	25.2	316	P	14 48 08.6	-0.2
QZH	25.4	340	cP	14 48 10.5	0.2
			cS	14 52 35.0	2.7
			LN	M _s = 4.2	10.0 0.22
NJ2	32.0	345	cP	14 49 11.0	1.5
WHN	32.0	337	P	14 49 11.5	1.4
			cS	14 54 23.0	4.4
GYA	32.5	322	P	14 49 14.6	-0.1
KMI	34.2	316	cP	14 49 30.0	1.0
TIA	36.4	345	cP	14 49 46.5	-0.8
XAN	37.3	333	P	14 49 55.0	-0.6

CD2	37.5	324	cP	14 49 56.0	-1.2
TIY	39.2	340	cP	14 50 11.0	0.2
BJI	40.2	346	cP	14 50 20.0	0.5
SNY	40.7	355	-P	14 50 24.4	0.8
LZH	41.4	330	P	14 50 30.5	0.9
			PMZ		2.0 0.12
HHC	42.3	341	cP	14 50 35.7	-0.9
CN2	42.6	357	cP	14 50 38.6	-0.1
MDJ	43.3	2	cP	14 50 45.4	0.4
LSA	45.2	313	cP	14 50 59.3	-1.2
GTA	46.0	329	+P	14 51 06.7	-0.1
WMQ	55.6	325	P	14 52 19.4	-0.2

1986 9 9
 O = 15 58 21.9 ± 0.10s
 LAT = 0.86 N ± 1.27km
 LONG = 128.03 E ± 1.94km
 DEPTH = 33 km ± 0.08km
 STATIONS USED = 87, STAND DEV = 1.06s
 M_s = 5.2 / 39, m_B = 5.8 / 19

QZN	25.4	316	P	16 03 46.6	-1.5
			cS	16 08 07.5	-2.8
			LN	M _s = 4.9	11.5 1.50
QZH	25.6	340	cP	16 03 50.0	-0.4
			PMZ	m _B = 6.1	6.0 2.88
			sP	16 04 00.0	-3.3
			S	16 08 14.0	0.5
			SMN	m _B = 5.6	11.0 1.41
			SME		11.0 1.09
			sS	16 08 28.0	-1.0
			LN	M _s = 5.2	8.0 1.67
GZH	26.3	328	cP	16 03 56.0	-0.7
			S	16 08 29.0	4.4
			LN	M _s = 5.3	14.0 2.52
			LE		17.0 3.11
SSE	30.8	348	+P	16 04 38.0	1.1
			PMZ	m _B = 5.7	10.0 1.28
			cpP	16 04 43.3	-2.6
			eS	16 09 39.0	2.1
			SMN		13.0 2.88
			eSS	16 11 19.0	-0.4
			LN	M _s = 4.9	13.0 1.20
NJ2	32.2	345	+P	16 04 51.4	1.8
			PMZ	m _B = 5.8	4.0 0.70
			PP	16 06 03.5	6.8
			S	16 10 02.0	3.2
			SMN		15.0 5.30
			LN	M _s = 5.3	13.0 2.40
WHN	32.3	338	P	16 04 51.0	1.0
			PMZ	m _B = 6.1	4.0 1.29

September, 1986

LONG = 85.06 E ± 1.28km
 DEPTH = 30 km ± 0.10km
 STATIONS USED = 34, STAND DEV = 2.47s
 Ms = 5.0 / 3,

LSA	5.5	107	ePn	16 24 16.9	4.0		
			eSn	16 25 22.2	5.3		
			LN			Ms = 5.0	5.5 9.22
KSH	10.9	320	eP	16 25 30.6	2.4		
			eS	16 27 32.6	2.7		
			LE			Ms = 5.2	10.0 8.60
WMQ	12.5	9	P	16 25 49.0	-1.2		
GTA	14.4	53	+P	16 26 21.0	5.7		
			LE				1.8 0.050
LZH	16.3	69	eP	16 26 43.0	3.2		
			PMZ				2.0 0.060
KMI	16.8	108	eP	16 26 46.5	0.0		
GYA	19.5	99	P	16 27 18.4	-1.4		
XAN	20.2	76	eP	16 27 24.8	-2.2		
TIY	23.3	67	eP	16 27 58.0	-0.3		
WHN	25.1	84	eP	16 28 16.0	0.7		
			eS	16 32 40.0	4.5		
			LN			Ms = 4.7	12.0 0.90
BJI	26.5	63	eP	16 28 29.0	0.2		
SNY	32.3	60	eP	16 29 19.4	-1.2		
CN2	33.9	57	eP	16 29 33.4	-1.1		

HHC	23.2	59	eP	16 29 33.0	1.3		
TIY	23.3	67	P	16 29 33.0	0.9		
			LN			Ms = 4.8	13.0 1.50
WHN	25.0	85	eP	16 29 50.0	0.9		
QZN	25.5	113	eP	16 29 57.3	3.8		
BJI	26.5	63	eP	16 30 03.5	0.8		
TIA	26.9	71	eP	16 30 06.4	-0.3		
SSE	30.7	81	+P	16 30 44.6	3.8		
			PMZ				1.0 0.010
SNY	32.3	60	-iP	16 30 54.0	-0.5		
CN2	33.9	57	-P	16 31 08.0	-0.4		
MDJ	36.9	56	eP	16 31 34.2	-0.2		

1986 9 9
 O = 16 24 26.3 ± 0.11s
 LAT = 31.50 N ± 1.91km
 LONG = 85.14 E ± 1.63km
 DEPTH = 33 km ± 0.42km
 STATIONS USED = 65, STAND DEV = 1.74s
 Ms = 4.9 / 7,

KSH	10.9	319	P	16 27 04.6	1.3		
			S	16 29 05.6	0.9		
			LN			Ms = 5.0	8.0 4.50
WMQ	12.5	9	P	16 27 22.8	-1.7		
CD2	15.9	87	eP	16 28 10.5	0.4		
LZH	16.2	69	+P	16 28 17.0	3.5		
			PMZ				2.0 0.17
			LN			Ms = 4.9	12.0 3.13
KMI	16.7	108	-P	16 28 21.0	0.7		
			sP	16 28 33.0	0.9		
			cS	16 31 29.0	4.3		
			sS	16 31 41.0	5.2		
			LE			Ms = 4.4	10.0 0.80
GYA	19.5	99	P	16 28 52.4	-1.2		
			S	16 32 26.8	1.4		
XAN	20.2	76	eP	16 28 58.4	-2.4		
BTO	22.0	59	eP	16 29 19.7	-0.1		

1986 9 9
 O = 16 40 13.3 ± 0.11s
 LAT = 31.60 N ± 2.06km
 LONG = 84.97 E ± 1.35km
 DEPTH = 33 km ± 0.27km
 STATIONS USED = 17, STAND DEV = 2.55s

LSA	5.6	108	-P	16 41 38.8	1.1		
			cS	16 42 46.5	3.8		
GTA	14.4	53	P	16 43 42.3	5.5		
GYA	19.6	100	P	16 44 40.0	-2.3		
XAN	20.3	77	eP	16 44 46.4	-2.6		
CN2	33.9	57	eP	16 46 54.6	-1.4		

1986 9 9
 O = 17 22 33.9 ± 0.05s
 LAT = 45.25 N ± 1.46km
 LONG = 146.34 E ± 0.88km
 DEPTH = 193 km ± 0.90km
 STATIONS USED = 38, STAND DEV = 0.97s

MDJ	11.9	273	eP	17 25 17.8	-0.9		
CN2	15.0	272	-P	17 25 57.0	-0.5		
SNY	16.8	266	+P	17 26 20.6	0.5		
TIA	23.8	258	eP	17 27 31.3	0.6		
NJ2	25.0	248	eP	17 27 42.0	-0.3		
TIY	26.4	265	eP	17 27 54.6	0.2		
WHN	29.0	251	eP	17 28 17.0	-1.0		
GTA	34.5	277	-P	17 29 06.3	0.2		
CD2	36.0	262	eP	17 29 18.5	-0.2		
GYA	36.8	253	P	17 29 24.6	-0.5		
KMI	40.3	255	eP	17 29 56.5	1.9		
WMQ	41.0	290	P	17 30 01.0	0.6		

1986 9 10
 O = 01 47 30.9 ± 0.22s
 LAT = 19.12 S ± 0.25km
 LONG = 174.81 W ± 1.18km
 DEPTH = 174 km ± 1.91km

STATIONS USED = 18, STAND DEV = 1.26s

TIY	88.6	311	cP	02 00 08.0	1.7		
XAN	89.7	306	cP	02 00 13.6	2.2		

1986 9 10
 O = 06 55 54.3 ± 0.18s
 LAT = 27.76 N ± 2.22km
 LONG = 114.21 E ± 1.51km
 DEPTH = 0 km ± 0.16km
 STATIONS USED = 13, STAND DEV = 4.73s
 M_L = 3.5 / 9,

WHN	2.8	3	cPn	06 56 40.2	0.0		
			Sg	06 57 20.0	-1.3		
QZH	4.8	125	cPg	06 57 24.0	4.3		
			cSg	06 58 26.0	0.3		
			SMN	M _L = 3.6	0.7	0.060	
			SME		0.7	0.10	
XAN	7.7	325	Pn	06 57 46.7	-1.7		
			Pg	06 58 19.2	8.5		
			Sn	06 59 15.0	-4.1		
			Sg	06 59 54.8	-1.6		

1986 9 10
 O = 07 50 22.2 ± 0.11s
 LAT = 25.49 N ± 1.25km
 LONG = 92.01 E ± 1.22km
 DEPTH = 16 km
 STATIONS USED = 88, STAND DEV = 1.56s
 M_s = 4.6 / 26, M_L = 4.6 / 2, m_B = 5.1 / 9

LSA	4.3	350	-iPg	07 51 32.8	-5.2		
			SMN	M _L = 4.5	1.1	0.94	
			LE	M _s = 4.9	6.0	13.7	
KMI	9.7	90	cP	07 52 48.0	3.1		
			S	07 54 32.0	-2.3		
			LG ₂	07 55 41.0	-1.6		
			LN	M _s = 4.6	8.0	2.20	
CD2	11.7	60	cP	07 53 12.0	0.4		
			PP	07 53 27.0	6.3		
			S	07 55 16.0	-6.3		
			LE	M _s = 4.2	10.0	0.87	
GYA	13.2	83	P	07 53 30.6	-1.7		
			S	07 55 52.0	-7.5		
LZH	14.6	41	-iP	07 53 50.5	-0.7		
			PMZ		1.5	0.89	
			LG ₁	07 58 07.0	4.8		
GTA	15.3	23	-iP	07 53 58.7	-1.7		
			PMZ		2.0	0.60	
			cS	07 56 56.0	5.1		
			SME	m _B = 4.7	7.0	0.34	
			LE	M _s = 4.1	10.0	0.45	

XAN	17.0	56	+P	07 54 19.0	-1.8		
			pP	07 54 32.0	6.0		
			S	07 57 30.0	2.6		
			LN	M _s = 4.3	12.0	0.77	
QZN	17.7	108	P	07 54 29.4	-0.7		
			cS	07 57 43.0	-2.1		
			LN	M _s = 4.4	16.0	0.90	
			LE		16.0	0.70	
WMQ	18.6	350	P	07 54 42.5	0.9		
			S	07 58 05.7	0.5		
			LE	M _s = 4.8	16.0	2.52	
KSH	19.4	320	P	07 54 53.1	2.7		
			S	07 58 29.1	7.1		
			LN	M _s = 4.8	8.0	1.20	
GZH	19.6	93	+iP	07 54 52.5	-0.2		
			PMZ	m _B = 5.5	4.0	0.82	
			sP	07 55 08.1	6.2		
			cS	07 58 25.0	-2.8		
			SMN	m _B = 4.9	11.0	0.64	
			LN	M _s = 4.5	11.0	0.71	
WHN	20.3	71	cP	07 55 01.0	0.1		
			PP	07 55 16.0	-4.7		
			LE	M _s = 4.5	12.0	0.75	
TIY	21.2	50	P	07 55 09.0	-0.7		
			S	07 59 04.5	5.2		
BTO	21.3	40	-P	07 55 10.0	-0.6		
			PP	07 55 29.0	-4.4		
			S	07 58 58.0	-2.8		
			LN	M _s = 4.4	10.0	0.40	
			LE		10.0	0.20	
HHC	22.3	42	P	07 55 22.0	0.6		
			SME	m _B = 5.0	10.0	0.60	
			LN	M _s = 4.6	11.0	0.65	
			LE		11.0	0.60	
TIA	24.0	58	cP	07 55 37.8	0.3		
			S	07 59 51.5	1.4		
			SME	m _B = 5.5	6.0	0.97	
QZH	24.0	86	cP	07 55 38.0	0.1		
			S	07 59 54.0	3.1		
			SMN	m _B = 5.0	8.0	0.42	
			LN	M _s = 4.6	8.0	0.50	
NJ2	24.4	68	+P	07 55 43.0	1.8		
			S	07 59 57.0	0.3		
			LN	M _s = 4.6	13.0	0.80	
BJI	24.9	48	cP	07 55 47.0	1.2		
			cS	08 00 06.0	0.4		
			LN	M _s = 4.7	9.0	0.64	
SSE	26.2	71	+P	07 55 58.8	0.0		
			cS	08 00 32.0	3.4		
			cSS	08 01 28.0	-7.8		

September, 1986



			SMN	$m_B = 5.8$	12.0	1.50	CD2	64.9	310	cP	22 31 31.0	0.5		
			LN	$M_s = 5.2$	13.0	0.70				S	22 40 10.0	0.6		
			LE		13.0	0.50	HHC	65.0	323	cP	22 31 32.6	1.3		
NJ2	54.9	319	+P		22 30 22.0	0.4				S	22 40 10.5	-0.1		
			S		22 38 03.0	2.5				SMN	$m_B = 5.8$	10.0	0.66	
			SMN	$m_B = 6.2$	8.0	2.30				SME		10.0	0.60	
			SME		8.0	0.90				ScS	22 41 24.0	2.7		
			LN	$M_s = 5.3$	15.0	1.30				LN	$M_s = 5.4$	14.0	0.80	
WHN	57.0	315	cP		22 30 36.5	-0.2				LE		14.0	0.69	
			eS		22 38 25.0	-4.4	BTO	65.8	322	cP	22 31 36.0	-0.3		
			SMN	$m_B = 5.9$	9.0	1.25				PP	22 34 01.0	-1.4		
			LN	$M_s = 5.2$	14.0	0.89				S	22 40 17.0	-3.2		
TIA	58.7	322	cP		22 30 47.0	-1.8				LN	$M_s = 5.6$	14.0	1.50	
			eS		22 38 56.5	4.4				LE		14.0	0.60	
			SME	$m_B = 5.6$	10.0	0.75	LZH	67.4	315	+P	22 31 46.0	-0.3		
			LE	$M_s = 5.5$	14.0	1.58				PMZ		2.0	0.32	
MDJ	58.8	337	cP		22 30 47.2	-2.2				S	22 40 43.5	4.3		
			SME	$m_B = 6.0$	10.0	1.72				SMN	$m_B = 5.9$	10.0	1.17	
SNY	59.2	331	+P		22 30 50.0	-2.0	GTA	71.8	316	+P	22 32 13.3	-0.1		
			PMZ	$m_B = 5.6$	7.0	0.54				iS	22 41 35.5	2.6		
			S		22 39 00.0	3.0				SMN		15.0	1.05	
			SMN			13.0				LN	$M_s = 5.3$	15.0	0.71	
			SME			12.0	1.44	LSA	74.4	304	-P	22 32 28.4	-0.8	
			LN	$M_s = 5.5$	21.0	2.09				S	22 42 04.0	3.2		
			LE			22.0	1.41			SMN	$m_B = 5.9$	7.0	0.78	
CN2	59.9	333	+P		22 30 55.0	-1.7	WMQ	81.9	317	P	22 33 10.5	0.7		
			eS		22 39 02.0	-4.9				PMZ		2.5	0.26	
			SMN	$m_B = 6.1$	8.0	1.10				S	22 43 22.0	1.4		
			SME			8.0	1.40			SMN	$m_B = 6.0$	10.0	1.10	
			LN	$M_s = 5.4$	19.0	1.90				SKS	22 43 30.0	5.8		
GYA	60.6	307	P		22 31 03.6	1.8				LN	$M_s = 5.5$	16.0	1.19	
			S		22 39 18.0	3.1	KSH	89.1	310	P	22 33 47.4	1.6		
			ScS		22 40 55.0	7.2				cSKS	22 44 11.4	-0.6		
			LE	$M_s = 5.1$	18.0	0.80				eS	22 44 33.0	-0.1		
BJI	61.8	325	cP		22 31 08.0	-1.9				SMN	$m_B = 6.3$	9.0	2.70	
TIY	62.6	321	+P		22 31 15.6	0.5				LE	$M_s = 5.8$	8.0	1.00	
			PMZ			1.7	0.14							
			S		22 39 43.0	2.9								
			SMN	$m_B = 5.6$	11.0	0.63								
			SME			10.0	0.51							
			ScS		22 41 04.0	1.4								
			LN	$M_s = 5.6$	15.0	1.64								
			LE			16.0	0.90							
XAN	62.8	315	-P		22 31 15.2	-1.2								
			PP		22 33 30.0	-5.1								
			S		22 39 44.0	1.5								
			LN	$M_s = 5.4$	14.0	0.68								
			LE			16.0	0.95							
KMI	63.1	304	cP		22 31 20.0	0.8								
			S		22 39 52.0	4.5								

1986 9 11

O = 00 18 25.6 ± 0.21s

LAT = 5.13 S ± 1.65km

LONG = 152.47 E ± 0.52km

DEPTH = 59 km ± 2.13km

STATIONS USED = 91, STAND DEV = 1.12s

$M_s = 6.4 / 49,$

$m_B = 6.4 / 32$

QZH 44.5 314 +iP 00 26 33.5 0.2

PMZ $m_B = 6.6$ 4.0 3.15

pP 00 26 47.0 -0.6

sP 00 26 53.5 -0.3

PP 00 28 17.0 -1.2

PPMZ 7.0 1.81

September, 1986

			SMN	$m_B = 6.1$	12.0	3.12				S	00 35 00.0	1.5		
			SME		12.0	2.47	MDJ	53.6	340	+P	00 27 42.5	-1.2		
			LN	$M_s = 6.4$	22.0	30.7				S	00 35 16.0	6.2		
SSE	46.8	322	+iP	00 26 52.0	0.4		SNY	53.6	333	+iP	00 27 42.5	-1.4		
			PMZ	$m_B = 6.5$	6.0	3.70				PMZ	$m_B = 6.5$	6.0	3.55	
			pP	00 27 05.0	-1.0					PP	00 29 48.0	2.6		
			sP	00 27 11.0	-1.2					PcS	00 32 42.0	-4.1		
			PcP	00 28 23.5	0.1					S	00 35 13.0	2.8		
			PP	00 28 42.0	0.9					SMN		30.0	36.5	
			iS	00 33 40.0	3.7					SME		28.0	21.8	
			SMN	$m_B = 6.1$	8.0	1.95				LN	$M_s = 6.4$	22.0	7.69	
			sS	00 34 03.0	1.8					LE		20.0	21.8	
			SS	00 36 58.0	2.5		GYA	54.3	308	+P	00 27 49.6	0.5		
			ScS	00 36 34.0	-2.8					pP	00 28 04.0	0.5		
			LN	$M_s = 6.4$	18.0	22.5				sP	00 28 10.0	0.2		
			LE		18.0	13.7				PcP	00 28 51.0	-0.1		
GZH	47.4	308	+iP	00 26 57.0	0.7					S	00 35 26.0	6.5		
			PMZ	$m_B = 6.5$	7.0	4.34				ScS	00 37 30.0	2.1		
			SMN		14.0	7.82				LE	$M_s = 6.4$	20.0	21.6	
			SME		16.0	15.3	CN2	54.5	336	+iP	00 27 48.2	-1.7		
			LN	$M_s = 6.6$	18.0	7.63				PMZ	$m_B = 6.3$	6.5	2.70	
			LE		20.0	42.7				pP	00 28 03.0	-1.5		
QZN	48.4	301	+iP	00 27 05.0	1.2					PcP	00 28 52.0	0.4		
			PMZ	$m_B = 6.4$	7.0	3.40				eScP	00 32 48.0	5.1		
			pP	00 27 18.5	0.4					cS	00 35 19.5	-2.9		
			PP	00 28 58.0	2.7					SMN		16.0	7.00	
			S	00 34 03.0	5.7					SME		16.0	4.60	
			sS	00 34 26.5	3.2					cSS	00 39 06.0	2.7		
			LN	$M_s = 6.3$	19.0	10.5				LN	$M_s = 6.3$	15.0	11.0	
			LE		21.0	19.4				LE		15.0	6.00	
NJ2	48.9	321	+iP	00 27 09.0	1.0		BJI	56.0	327	+iP	00 28 00.0	-0.9		
			PMZ	$m_B = 6.7$	5.5	5.80				pP	00 28 14.0	-1.5		
			PcP	00 28 33.6	2.6					sP	00 28 19.0	-2.8		
			S	00 34 11.0	6.1					PcP	00 28 59.0	1.5		
			SS	00 37 30.0	-1.7					cS	00 35 49.0	6.3		
			LN	$M_s = 6.5$	16.0	27.1				SMN		16.0	5.80	
WHN	50.9	317	eP	00 27 23.5	0.4					SME		14.0	3.00	
			PMZ	$m_B = 6.6$	5.0	3.80				LN	$M_s = 6.3$	17.0	12.3	
			pP	00 27 36.0	-1.5		TIY	56.6	322	+iP	00 28 05.0	-0.3		
			S	00 34 37.0	4.8					PMZ		1.4	0.13	
			LN	$M_s = 6.6$	18.0	25.3				pP	00 28 21.5	1.7		
			LE		18.0	23.7				sP	00 28 29.0	3.0		
DL2	52.3	330	+iP	00 27 32.8	-1.0					PP	00 30 12.0	0.2		
			PMZ	$m_B = 6.3$	8.0	2.90				S	00 35 46.5	-3.0		
			PcS	00 32 41.0	0.7					ScS	00 37 47.0	3.0		
			S	00 34 51.0	-0.8					SS	00 39 30.5	-7.9		
			LN	$M_s = 6.4$	16.0	12.7				LN	$M_s = 6.5$	20.5	17.8	
			LE		18.0	13.5				LE		18.0	12.8	
TIA	52.8	324	cP	00 27 37.0	-0.5		XAN	56.6	317	+iP	00 28 05.0	-0.6		
			PMZ	$m_B = 6.3$	6.0	2.38				pP	00 28 19.0	-1.2		

XAN	56.8	317	cP	05 11 52.0	-1.2
CD2	58.9	311	cP	05 12 07.8	0.0
GTA	65.8	317	P	05 12 54.7	0.4
LSA	68.3	305	P	05 13 09.6	-0.7
WMQ	75.9	317	cP	05 13 56.0	1.0

1986 9 11

O = 12 58 25.5 ± 0.09s
 LAT = 0.53 N ± 1.26km
 LONG = 125.97 E ± 1.80km
 DEPTH = 33 km ± 0.33km

STATIONS USED = 29, STAND DEV = 1.30s

QZN	24.3	320	cP	13 03 41.6	0.7
XAN	37.0	336	cP	13 05 32.5	-1.5
TIY	39.0	343	cP	13 05 51.0	-0.4
SNY	41.2	357	cP	13 06 09.8	0.9
MDJ	44.0	4	cP	13 06 33.1	0.9
LSA	44.0	314	cP	13 06 31.8	-1.1
GTA	45.5	331	P	13 06 44.0	-0.1
WMQ	54.9	327	P	13 07 56.4	0.3

1986 9 11

O = 13 23 13.8 ± 0.07s
 LAT = 0.47 S ± 0.73km
 LONG = 99.18 E ± 0.78km
 DEPTH = 33 km

STATIONS USED = 8, STAND DEV = 0.86s

LSA	31.0	346	cP	13 29 30.5	-0.6
XAN	35.5	14	cP	13 30 10.4	0.2

1986 9 11

O = 16 57 20.4 ± 0.14s
 LAT = 5.08 S ± 1.35km
 LONG = 152.74 E ± 1.54km
 DEPTH = 57 km ± 1.23km

STATIONS USED = 49, STAND DEV = 2.00s

Ms = 4.8 / 2,

SSE	46.9	322	c(P)	17 05 48.0	0.4
			csS	17 12 58.0	0.5
			LE	Ms=4.8	16.0 0.57
WHN	51.0	316	cP	17 06 20.0	0.8
GYA	54.5	308	cP	17 06 46.0	0.6
CN2	54.5	336	cP	17 06 45.0	-0.3
BJI	56.1	327	cP	17 06 57.0	0.4
XAN	56.8	317	+P	17 07 01.2	-0.5
KMI	57.1	304	cP	17 07 04.5	0.4
			cS	17 14 54.0	1.0
CD2	58.9	311	P	17 07 16.5	0.2
BTO	60.0	323	cP	17 07 24.2	0.1
GTA	65.8	317	+P	17 08 03.4	0.7

LSA	68.3	305	-P	17 08 14.0	-4.9
WMQ	75.9	317	P	17 09 05.0	1.5

1986 9 11

O = 17 54 02.3 ± 0.10s
 LAT = 0.45 N ± 1.77km
 LONG = 125.82 E ± 2.38km
 DEPTH = 33 km ± 0.05km

STATIONS USED = 81, STAND DEV = 1.33s

Ms = 5.0 / 29,

m_B = 5.7 / 7

QZN	24.2	321	-P	17 59 19.0	1.6
			cS	18 03 28.0	-3.1
			SS	18 04 15.0	-8.6
			LN	Ms=4.9	16.0 1.90
QZH	25.3	345	-P	17 59 28.0	-0.1
			PMZ	m _B =5.8	4.0 0.90
			cS	18 03 48.0	-1.9
			SME	m _B =5.2	7.0 0.44
			LN	Ms=5.1	24.0 4.81
GZH	25.6	333	cP	17 59 30.0	-0.2
			cS	18 03 59.0	5.4
			LN	Ms=5.3	20.0 4.63
			LE		14.0 1.57
SSE	30.8	352	cP	18 00 19.0	1.5
			sP	18 00 33.0	2.4
			cS	18 05 12.0	-5.7
			ScS	18 10 50.2	2.2
			LN	Ms=4.8	20.0 1.49
GYA	31.8	326	P	18 00 26.0	-0.3
			pP	18 00 31.0	-4.1
			PP	18 01 32.0	0.8
			PcP	18 03 19.2	2.6
			S	18 05 32.0	-0.2
			ScP	18 07 01.0	5.0
			LN	Ms=5.0	12.0 0.90
			LE		12.0 0.90
WHN	31.9	341	cP	18 00 26.2	-0.7
			cS	18 05 32.0	-2.4
			LN	Ms=4.9	20.0 1.60
NJ2	32.1	349	+P	18 00 30.0	0.8
			LN	Ms=4.7	9.0 0.50
KMI	33.2	319	-P	18 00 39.0	0.5
			cS	18 05 52.0	-3.2
			LN	Ms=5.0	16.0 1.60
TIA	36.5	348	cP	18 01 05.5	-1.2
			cS	18 06 40.0	-6.3
			LE	Ms=5.2	23.0 2.80
CD2	36.8	327	cP	18 01 08.6	-1.0
			cS	18 06 48.0	-3.6
			LE	Ms=5.3	30.0 4.50

<p>O=11 27 05.9 ± 0.12s LAT= 4.92 N ± 1.89km LONG=125.58 E ± 5.75km DEPTH= 34 km ± 0.34km STATIONS USED = 23, STAND DEV= 3.36s</p>						LN	Ms= 5.3	13.0	10.7					
						LE		14.0	3.72					
QZN	20.8	314	P	11 31 52.3	5.3	GYA	15.2	118	P	14 12 23.0	-3.8			
XAN	32.8	334	P	11 33 40.5	1.4				S	14 15 08.0	-5.6			
BJI	36.0	348	cP	11 34 07.0	1.1				LN	Ms= 5.3	11.0	7.40		
SNY	36.8	357	cP	11 34 14.0	1.2				LE		11.0	4.10		
LSA	40.8	311	+P	11 34 50.0	3.3	BTO	15.6	62	cP	14 12 30.0	-2.6			
GTA	41.5	329	cP	11 34 55.0	2.9				cS	14 15 20.2	-4.7			
<p>1986 9 12 O=14 08 53.2 ± 0.15s LAT=34.62 N ± 1.79km LONG= 91.81 E ± 1.77km DEPTH= 34 km ± 0.10km STATIONS USED = 71, STAND DEV= 2.33s Ms=5.2/ 43, m_B=5.2/ 7</p>						LN	Ms= 5.1	9.0	26.3					
LSA	4.9	187	-P	14 10 07.0	-0.6				LN	Ms= 5.5	13.0	12.9		
			LG ₁	14 11 24.0	-4.3	TIY	16.9	74	+P	14 12 51.5	2.0			
			LE	Ms= 5.1	9.0				S	14 16 02.5	7.6			
GTA	8.0	51	-P	14 10 49.8	-0.2				sS	14 16 10.5	3.1			
			LN	Ms= 4.8	10.0				LN	Ms= 5.3	13.0	7.94		
			LE		11.0	WHN	19.4	96	cP	14 13 18.0	-1.6			
WMQ	9.7	342	P	14 11 11.7	-2.4				PMZ	m _B = 5.2	5.0	0.63		
			S	14 12 58.8	-4.1				cS	14 16 50.0	-1.4			
			LG ₁	14 13 56.0	-2.6				SMN	m _B = 5.1	10.0	0.74		
			LE	Ms= 5.2	9.0	10.9	BJI	20.1	67	LN	Ms= 5.5	10.0	7.90	
LZH	9.9	78	cP	14 11 15.5	-1.6				(S)	14 13 27.5	0.5			
			PMZ		1.5	0.070			csS	14 17 08.0	1.8			
			cLG ₁	14 13 58.0	-7.4				LN	Ms= 5.2	12.0	4.30		
			LN	Ms= 5.5	11.0	24.7	TIA	20.7	78	cP	14 13 32.8	-0.3		
CD2	10.7	107	cP	14 11 27.2	-0.5				cS	14 17 24.0	6.4			
			LG ₂	14 14 54.0	7.1				SMN	m _B = 4.7	12.0	0.37		
			LN	Ms= 5.2	12.0	10.9	GZH	22.0	116	cP	14 13 45.5	-1.3		
KMI	13.4	132	-P	14 12 04.0	0.2				LN	Ms= 5.3	12.5	3.97		
			sP	14 12 14.0	-1.6				LE		13.0	3.31		
			S	14 14 30.0	-1.8				QZN	22.3	130	P	14 13 53.0	3.5
			sS	14 14 39.0	-4.6				cS	14 17 56.0	7.9			
			LG ₁	14 15 48.0	-5.8				SMN	m _B = 5.3	10.0	0.70		
			LG ₂	14 16 10.0	-5.0				SME		10.0	0.70		
			LN	Ms= 5.2	9.0	4.40			SS	14 18 38.0	9.5			
			LE		9.0	3.70	NJ2	22.7	89	LN	Ms= 5.0	11.0	1.50	
KSH	13.5	295	cP	14 12 04.0	-1.6				LE		12.0	1.50		
			cS	14 14 34.0	-1.9				NJ2	22.7	89	cP	14 13 52.0	-1.5
			sS	14 14 41.0	-5.9				LN	Ms= 5.5	13.0	6.80		
			LE	Ms= 5.4	8.0	8.80	SSE	24.9	90	cP	14 14 18.0	3.3		
XAN	14.2	88	P	14 12 10.5	-3.1				cS	14 18 40.0	6.9			
			LG ₁	14 16 24.0	6.1				sS	14 18 50.0	2.0			
									LN	Ms= 5.2	10.0	0.67		
									LE		10.0	2.46		

QZH	25.1	105	cP	14 14 18.0	1.3		
			LG ₂	14 22 35.0	-6.5		
			LN	Ms=5.2	11.0	1.12	
			LE		11.0	2.48	
SNY	25.9	64	+P	14 14 27.0	3.1		
			eS	14 18 52.0	2.6		
			LN	Ms=5.1	9.0	1.24	
			LE		11.0	1.38	
CN2	27.5	60	cP	14 14 37.0	-1.7		
			cpP	14 14 42.8	-5.0		
			eS	14 19 14.0	-1.7		
			LN	Ms=5.4	18.0	6.20	
1986 9 12							
O=	16 18 48.1				± 0.11s		
LAT=	5.31 S				± 1.41km		
LONG=	153.79 E				± 2.06km		
DEPTH=	61 km				± 0.42km		
STATIONS USED = 77, STAND DEV = 1.31s							
SSE	47.7	321	cP	16 27 21.2	-0.1		
			PMZ			1.4	0.020
			cpP	16 27 31.5	-4.6		
GZH	48.5	307	P	16 27 29.0	1.5		
QZN	49.6	300	cP	16 27 36.3	0.8		
			eS	16 34 42.0	4.6		
NJ2	49.9	320	+P	16 27 38.4	0.8		
WHN	51.9	316	cP	16 27 53.5	0.4		
			eS	16 35 10.0	0.4		
TIA	53.7	323	+P	16 28 05.7	-0.9		
MDJ	54.2	339	cP	16 28 07.1	-3.4		
GYA	55.5	307	P	16 28 20.0	0.3		
BJI	56.9	326	cP	16 28 28.5	-0.9		
TIY	57.5	322	+iP	16 28 33.7	-0.5		
XAN	57.7	316	+iP	16 28 34.4	-0.7		
KMI	58.1	304	+P	16 28 39.0	0.7		
CD2	59.8	310	-iP	16 28 50.2	0.1		
			PMZ			0.8	0.060
HHC	60.0	324	cP	16 28 51.0	-0.6		
BTO	60.8	323	cP	16 28 56.6	-0.2		
LZH	62.3	316	+iP	16 29 07.5	0.6		
			PMZ			1.5	0.16
GTA	66.7	317	+iP	16 29 36.2	0.7		
LSA	69.3	304	+P	16 29 52.0	-0.3		
WMQ	76.8	317	P	16 30 36.4	0.7		
			PMZ			1.0	0.10
			pP	16 30 46.5	-4.5		
			cS	16 40 21.2	4.3		
			SKS	16 40 42.0	6.5		
KSH	84.0	310	+iP	16 31 16.7	2.6		
			pP	16 31 27.5	-2.0		

1986 9 12							
O=	20 07 08.4				± 0.24s		
LAT=	51.72 N				± 2.02km		
LONG=	178.64 W				± 0.65km		
DEPTH=	45 km				± 1.25km		
STATIONS USED = 30, STAND DEV = 1.05s							
SNY	39.8	279	-iP	20 14 40.0	0.6		
BTO	48.8	286	cP	20 15 52.5	0.9		
TIY	49.1	282	cP	20 15 54.8	0.5		
WHN	52.7	274	cP	20 16 20.3	-1.2		
XAN	53.7	281	+P	20 16 27.6	-1.1		
LZH	55.4	286	cP	20 16 41.0	-0.2		
GTA	55.5	292	+P	20 16 41.7	-0.5		
WMQ	59.2	303	cP	20 17 08.5	0.1		
GYA	60.4	276	P	20 17 15.0	-1.2		
LSA	67.4	290	+P	20 18 02.4	-0.2		
1986 9 12							
O=	21 54 51.9				± 0.21s		
LAT=	7.10 S				± 3.67km		
LONG=	110.20 E				± 4.44km		
DEPTH=	33 km				± 0.26km		
STATIONS USED = 34, STAND DEV = 2.15s							
Ms=4.8 / 5,							
QZN	26.0	359	cP	22 00 27.6	4.0		
			eS	22 04 52.0	2.2		
			LE	Ms=4.5	14.0	0.60	
GYA	33.5	354	P	22 01 29.4	-1.8		
LSA	40.9	334	cP	22 02 30.8	-2.9		
XAN	40.9	358	P	22 02 34.0	0.6		
LZH	43.4	352	cP	22 02 56.0	2.5		
			PMZ			1.5	0.030
TIY	44.6	3	cP	22 03 03.1	-0.5		
			LE	Ms=4.7	12.0	0.36	
BJI	47.2	6	cP	22 03 24.5	0.5		
GTA	47.3	349	P	22 03 23.0	-1.5		
BTO	47.5	360	cP	22 03 24.4	-1.6		
WMQ	54.6	340	P	22 04 21.0	0.7		
1986 9 12							
O=	23 57 14.4				± 0.08s		
LAT=	56.25 N				± 2.04km		
LONG=	153.52 W				± 1.22km		
DEPTH=	31 km				± 0.14km		
STATIONS USED = 91, STAND DEV = 1.04s							
Ms=6.8 / 46, m _B =6.3 / 25							
MDJ	47.8	290	+iP	24 05 49.0	-2.8		
			PMZ	m _B =6.1	5.0	1.50	
			S	24 12 40.0	-5.0		

September, 1986



NJ2	23.7	252	eP	03 42 05.0	1.6		
			LN			$M_s=4.5$	13.0 0.70
BTO	26.5	277	eP	03 42 30.0	0.1		
WHN	27.7	254	eP	03 42 40.5	-0.7		
XAN	29.8	265	P	03 42 59.7	-0.2		
GTA	34.3	280	P	03 43 38.4	-0.6		
CD2	35.1	264	eP	03 43 46.3	-0.1		
GYA	35.6	255	P	03 43 50.0	-0.1		

1986 9 13

O=06 09 53.5 ± 0.07s
 LAT=40.68 N ± 0.55km
 LONG=122.70 E ± 0.85km
 DEPTH= 15 km ± 0.09km
 STATIONS USED = 7, STAND DEV= 2.05s

$M_L=3.2 / 7,$

SNY	1.3	30	+iPn	06 10 15.2	-2.7		
			+iPg	06 10 15.8	-1.2		
			Sg	06 10 31.7	-3.5		
			SMN			$M_L=3.2$	0.4 0.52
			SME				0.4 0.31
DL2	2.0	205	Pg	06 10 27.2	-1.0		
			Sg	06 10 53.0	-2.0		
			SMN			$M_L=3.4$	0.5 0.16
			SME				0.5 0.46
CN2	3.7	32	ePg	06 11 00.6	1.2		
			Sg	06 11 46.8	-3.4		
			SMN			$M_L=3.1$	0.6 0.068
			SME				0.6 0.019

1986 9 13

O=07 16 53.2 ± 0.11s
 LAT=25.46 N ± 2.41km
 LONG=142.74 E ± 2.31km
 DEPTH= 34 km ± 0.51km
 STATIONS USED = 33, STAND DEV= 1.81s

MDJ	21.9	334	eP	07 21 46.1	1.0		
SNY	22.7	321	eP	07 21 54.6	0.9		
TIA	24.4	302	eP	07 22 09.6	-0.2		
XAN	30.5	294	eP	07 23 04.0	-1.5		
GYA	32.4	280	P	07 23 23.4	1.0		
CD2	34.7	288	P	07 23 41.3	-0.7		
LZH	34.9	297	eP	07 23 42.0	-1.8		
WMQ	47.9	307	eP	07 25 30.0	-0.9		

1986 9 13

O=09 28 23.3 ± 0.28s
 LAT=60.73 S ± 5.87km
 LONG= 36.52 W ± 6.95km
 DEPTH= 13 km ± 1.32km

STATIONS USED = 74, STAND DEV = 2.42s							
				$M_s=6.3 / 30,$		$m_B=6.2 / 8$	
QZN	132.0	135	PKP	09 47 41.0	2.9		
			PP	09 50 07.0	4.7		
			eSKKS	09 55 56.0			
			SS	10 07 44.0	7.9		
			LN			$M_s=6.3$	21.0 3.80
			LE				20.0 2.20
LSA	133.7	108	PKP	09 47 40.5	-1.2		
			PP	09 50 19.5	6.4		
			PPMZ			$m_B=5.9$	7.0 0.39
			SKKS	09 57 26.0			
			LE			$M_s=5.3$	19.0 0.39
KSH	134.2	86	ePKP	09 47 45.9	3.6		
			ePP	09 50 21.9	5.6		
			LN			$M_s=5.9$	10.0 0.80
KMI	134.8	123	ePKP	09 47 46.0	2.3		
			PP	09 50 24.0	3.7		
			PPMZ			$m_B=6.2$	9.0 1.10
			eSKKS	09 57 11.0			
			LN			$M_s=6.5$	20.0 6.28
GYA	137.6	127	PKP	09 47 50.2	1.6		
			PP	09 50 41.0	3.4		
			SS	10 08 46.0	2.9		
			LN			$M_s=6.5$	20.0 4.70
			LE				20.0 4.40
QZH	140.3	143	ePKP	09 47 57.0	3.6		
			PP	09 51 00.0	5.7		
			SS	10 09 21.0	6.3		
			LN			$M_s=6.3$	18.0 2.43
			LE				18.0 1.70
CD2	140.4	121	PKP	09 47 47.5	-6.0		
			PP	09 50 54.0	-0.4		
			SKKS	09 57 50.0			
			SS	10 09 16.0	1.2		
			LE			$M_s=6.3$	25.0 4.26
WMQ	143.2	91	PKP	09 47 56.0	-2.5		
WHN	144.2	134	eP	09 47 58.0	-2.1		
			PP	09 51 14.0	-3.2		
			PPMZ			$m_B=6.2$	7.0 0.94
			LE			$M_s=5.8$	10.0 0.63
LZH	144.8	116	PKP	09 48 01.0	-0.4		
			PKP ₂	09 48 12.0			
			SKKS	09 58 16.0			
			LN			$M_s=6.2$	20.0 2.75
XAN	145.2	124	PKP	09 48 01.8	-0.2		
			PKP ₂	09 48 13.0			
			PP	09 51 31.1	7.6		
			LN			$M_s=6.3$	18.5 2.39
			LE				18.0 1.73

September, 1986



BJI	40.4	348	cP	11 34 13.5	-0.6
SNY	41.3	357	-P	11 34 21.0	-0.2
CN2	43.2	359	cP	11 34 36.6	-0.3
LSA	44.1	314	P	11 34 42.6	-2.1
MDJ	44.1	4	cP	11 34 44.1	-0.4
GTA	45.5	331	cP	11 34 57.0	0.9
WMQ	55.0	327	P	11 36 08.0	-0.1

1986 9 13

O = 14 14 54.0 ± 0.10s

LAT = 36.58 N ± 1.91km

LONG = 70.76 E ± 2.01km

DEPTH = 200 km ± 0.61km

STATIONS USED = 81, STAND DEV = 1.51s

$M_L = 5.5 / 3, m_B = 5.2 / 12$

KSH	5.0	54	-iP	14 16 11.5	1.8
			S	14 17 04.5	-3.3
			SMN	$M_L = 6.2$	0.5 26.3
WMQ	14.8	56	P	14 18 14.8	-0.5
			PcP	14 23 09.5	-3.0
			S	14 20 56.0	2.2
			SMN	$m_B = 5.9$	4.0 2.14
			ScS	14 30 02.5	-0.3
LSA	18.4	106	-iP	14 18 55.7	-1.3
			iS	14 22 14.0	1.5
			SME	$m_B = 5.8$	4.0 1.65
GTA	23.0	74	+P	14 19 44.6	1.7
			pP	14 20 22.0	-4.3
			SME	$m_B = 5.0$	12.0 0.91
			ScS	14 30 28.0	-1.1
LZH	26.6	81	+P	14 20 16.5	0.4
			PMZ		2.0 0.090
			cS	14 24 36.0	1.3
			LN		9.0 0.62
CD2	27.9	92	cP	14 20 28.1	0.0
			pP	14 21 08.0	0.0
			iS	14 24 58.0	1.9
			ScS	14 30 55.0	5.4
KMI	29.6	104	+P	14 20 43.0	-0.2
			sP	14 21 49.0	2.6
			iS	14 25 22.0	-0.9
			SME	$m_B = 5.2$	5.0 0.87
BTO	30.8	70	P	14 20 53.8	0.5
			pP	14 21 36.0	2.2
			S	14 25 39.0	-1.0
XAN	31.1	83	+P	14 20 55.4	-0.8
			iS	14 25 47.2	0.9
HHC	31.9	70	P	14 21 05.4	2.1
GYA	32.1	98	P	14 21 03.8	-0.8
			PcP	14 23 48.0	-0.6

			S	14 26 00.0	-0.2
			ScP	14 27 10.4	-1.2
			PcS	14 27 30.0	-1.9
			ScS	14 31 07.6	-1.9
TIY	33.0	75	P	14 21 13.3	0.3
			pP	14 21 55.5	1.5
			S	14 26 17.0	1.7
			SMN	$m_B = 5.2$	4.5 0.52
			SME		5.5 0.30
			LE		10.0 0.21

BJI	35.5	70	cP	14 21 34.0	0.2
			cScP	14 27 23.0	-0.7
			cS	14 26 55.0	0.8
			cScS	14 31 29.5	1.8
WHN	36.6	87	cP	14 21 43.0	0.2
			cS	14 27 07.0	-3.5
			ScP	14 27 26.5	-1.2
			LN		10.0 0.37

TIA	37.0	76	-P	14 21 47.2	0.5
			ScP	14 27 27.8	-1.6
			ScS	14 31 34.4	-1.8
QZN	38.4	106	cP	14 21 57.8	-0.5
			cS	14 27 36.0	-2.4
			ScS	14 31 42.0	-2.1

GZH	39.0	98	cP	14 22 03.0	0.0
			iS	14 27 47.0	0.0
NJ2	39.7	82	-P	14 22 08.5	0.1
			ScP	14 27 38.5	-0.8
			S	14 27 51.0	-4.8

DL2	39.9	71	cP	14 22 11.3	1.2
SNY	40.7	66	cP	14 22 16.6	-0.6
CN2	41.7	63	cP	14 22 25.6	0.1
			PcP	14 24 17.0	-0.9
			ScP	14 27 46.5	-1.0

SSE	41.9	82	P	14 22 27.6	1.2
			PMZ		1.4 0.080
			pP	14 23 11.0	2.2
			cS	14 28 28.0	-1.1
			SMN	$m_B = 5.3$	10.0 0.31
			SME		10.0 0.48
			cSS	14 31 37.0	0.4
			ScS	14 32 03.0	-1.4

QZH	42.3	92	cP	14 22 30.0	-0.1
			ScP	14 27 48.2	-1.7
			S	14 28 32.0	-2.9
			SME	$m_B = 5.1$	8.0 0.31
MDJ	44.5	61	cP	14 22 48.6	0.7

1986 9 13

O = 15 17 20.1 ± 0.12s

LAT = 31.84 S				± 1.68km							
LONG = 179.79 W				± 2.08km							
DEPTH = 214 km				± 0.50km							
STATIONS USED = 87,				STAND DEV = 0.94s							
				$m_B = 6.2 / 39$							
QZH	81.5	306	-iP	15 29 15.3	-0.5						
			PMZ		$m_B = 5.9$	7.0	1.90				
			pP	15 30 08.0	1.2						
			iS	15 39 06.0	-2.8						
			SMN			18.0	6.64				
			sS	15 40 40.0	2.4						
			LN			20.0	1.85				
			LE			18.0	1.85				
SSE	83.9	312	-iP	15 29 28.0	0.0						
			PMZ			1.2	0.15				
			pP	15 30 22.0	2.8						
			sP	15 30 45.0	3.4						
			PP	15 32 40.0	-5.1						
			cSKS	15 39 26.0	0.2						
			S	15 39 28.0	-3.0						
			SMN		$m_B = 5.9$	8.0	1.17				
			sS	15 41 05.0	2.9						
			SS	15 45 04.0	-3.0						
			LN			18.0	1.50				
			LE			16.0	0.55				
GZH	84.1	302	P	15 29 28.5	-0.3						
			PMZ		$m_B = 6.2$	7.0	2.89				
			pP	15 30 23.0	3.0						
			S	15 39 29.5	-3.0						
			SMN		$m_B = 6.1$	11.0	1.95				
			SME			13.0	2.43				
			SS	15 45 04.0	-5.3						
			LN			16.0	3.03				
			LE			15.0	1.48				
QZN	84.2	296	-P	15 29 30.0	0.4						
			PMZ		$m_B = 6.0$	9.0	2.30				
			pP	15 30 24.0	3.2						
			SKS	15 39 27.0	-0.9						
			S	15 39 33.0	-1.1						
			SMN		$m_B = 6.0$	12.0	2.50				
			sS	15 41 07.0	1.7						
			LN			13.0	1.10				
			LE			16.0	2.40				
NJ2	86.0	312	-P	15 29 38.0	-0.5						
			PMZ		$m_B = 6.2$	8.5	3.90				
			pP	15 30 33.0	3.1						
			iS	15 39 54.0	0.9						
WHN	88.0	308	cP	15 29 47.0	-0.8						
			PMZ		$m_B = 6.1$	7.0	2.50				
			pP	15 30 42.0	2.6						
			PP	15 33 20.0	0.9						
			cSKS	15 39 52.0	-0.5						
			iS	15 40 10.0	-1.6						
			SMN		$m_B = 6.4$	9.0	3.20				
MDJ	89.0	326	-P	15 29 51.5	-0.8						
			PMZ		$m_B = 6.4$	6.2	3.70				
			PP	15 33 25.5	-1.1						
			S	15 40 18.0	-0.6						
			SS	15 46 17.0	-3.1						
DL2	89.0	318	-P	15 29 52.0	-0.4						
			PMZ		$m_B = 6.2$	6.0	2.51				
			pP	15 30 48.0	3.9						
			SKS	15 39 57.0	-1.5						
			S	15 40 21.5	2.7						
			LN			16.0	1.27				
			LE			16.0	1.28				
TIA	89.8	314	-P	15 29 56.4	-0.1						
			PMZ		$m_B = 6.2$	5.0	1.63				
			cpP	15 30 51.5	3.3						
			cSKS	15 40 02.5	-1.3						
			S	15 40 29.0	2.3						
			SMN			13.5	1.82				
			SME			10.0	2.56				
			LE			16.0	1.52				
SNY	89.9	321	-iP	15 29 56.0	-0.9						
			PMZ		$m_B = 6.0$	8.0	1.97				
			pP	15 30 50.0	1.3						
			sP	15 31 13.0	2.0						
			SKS	15 40 02.0	-2.3						
			iS	15 40 30.0	0.7						
			SMN			23.0	6.62				
			SME			16.0	3.43				
			LN			27.0	4.21				
			LE			23.0	2.00				
CN2	90.4	324	-iP	15 29 58.0	-1.0						
			PMZ		$m_B = 6.3$	5.5	2.30				
			cpP	15 30 53.0	2.3						
			csP	15 31 15.0	2.0						
			PPMZ		$m_B = 6.1$	7.0	1.20				
			cSKS	15 40 08.0	1.1						
			iS	15 40 33.0	-0.2						
			SMN		$m_B = 6.6$	7.5	3.20				
			SME			7.5	2.40				
			sS	15 42 08.0	4.0						
GYA	90.9	301	P	15 30 02.0	0.2						
			PP	15 33 44.0	2.5						
			S	15 40 38.0	1.4						
			LN			18.0	2.30				
BJI	92.9	316	cP	15 30 09.5	-1.1						
			cpP	15 31 06.0	3.5						

			LN	Ms = 5.4	11.0	0.94	TIA	72.7	58	+P	17 36 01.4	0.5		
BTO	65.7	57	eP	17 35 17.0	-0.6					ePP	17 38 45.0	1.2		
			pP	17 35 24.0	1.1					eS	17 45 24.0	-1.6		
			PcP	17 35 49.0	1.1					SME	m _B = 5.8	9.0	0.72	
			PP	17 37 43.0	-0.4					LN	Ms = 5.9	14.0	0.99	
			S	17 43 59.0	-1.9					LE		14.0	2.56	
			sS	17 44 08.0	-3.3		CN2	73.7	47	-P	17 36 05.5	-1.2		
			ScS	17 45 08.0	-0.7					PMZ	m _B = 6.3	5.0	1.80	
			LN	Ms = 5.8	15.0	2.50				pP	17 36 09.5	-2.5		
			LE		15.0	2.00				S	17 45 34.0	-1.0		
CD2	65.9	69	P	17 35 18.4	-0.9					SMN		15.0	1.60	
			pP	17 35 22.7	-2.0		SNY	73.7	50	-P	17 36 06.0	-0.8		
			S	17 44 03.0	-1.3					PMZ	m _B = 6.2	5.5	1.59	
			sS	17 44 12.0	-2.7					sP	17 36 14.0	-0.8		
			ScS	17 45 11.0	0.2					S	17 45 35.0	-0.3		
			LN	Ms = 5.8	30.0	5.59				ScS	17 46 14.0	2.2		
HHC	66.6	56	P	17 35 24.0	0.6					LN	Ms = 6.2	26.0	9.17	
			pP	17 35 28.5	-0.2					LE		19.0	4.14	
			sP	17 35 31.0	-0.3		WHN	73.9	64	cP	17 36 08.0	0.2		
			S	17 44 13.0	1.1					PMZ	m _B = 6.3	5.0	1.90	
			SMN	m _B = 5.9	10.0	0.60				iS	17 45 38.0	-0.9		
			SME		10.0	1.12				SMN	m _B = 6.2	7.0	1.20	
			LN	Ms = 5.8	11.0	1.31				SME		9.0	1.17	
			LE		12.0	1.48				LN	Ms = 5.5	14.0	0.93	
KMI	68.1	74	eP	17 35 32.5	-0.9					LE		14.0	0.81	
			PMZ	m _B = 6.2	6.0	1.63	DL2	74.1	53	P	17 36 11.0	1.6		
			pP	17 35 37.0	-1.5					eS	17 45 42.0	0.1		
			S	17 44 30.0	-0.6					LN	Ms = 5.7	12.0	1.34	
			SMN	m _B = 6.0	8.0	1.00				LE		12.0	0.35	
			LN	Ms = 5.8	22.0	3.65	MDJ	75.6	45	cP	17 36 18.8	1.2		
XAN	68.1	63	eP	17 35 32.0	-1.3					S	17 45 52.5	-3.7		
			S	17 44 31.0	0.2		NJ2	76.2	60	-P	17 36 21.0	-0.3		
TIY	68.7	58	-iP	17 35 37.0	0.1					PMZ	m _B = 6.4	5.0	2.20	
			PMZ	m _B = 6.3	5.0	1.72				iS	17 46 04.0	-0.8		
			PP	17 38 13.0	3.1					SMN	m _B = 6.1	8.0	1.10	
			S	17 44 41.0	3.3					SME		8.0	0.80	
			SMN			15.0	0.80			SKS	17 46 32.0	5.7		
			SME			15.0	1.53			SS	17 51 07.0	7.2		
			LE	Ms = 5.5	11.0	1.04				LN	Ms = 5.8	14.0	2.20	
BJI	70.0	55	eP	17 35 43.0	-1.7		QZN	77.0	76	-P	17 36 26.5	1.0		
			PMZ	m _B = 6.1	5.0	1.03				pP	17 36 30.1	-0.7		
			eS	17 44 52.0	-2.3					sP	17 36 34.0	0.6		
			SMN	m _B = 6.0	8.0	0.80				S	17 46 15.0	3.7		
			SME		9.0	0.80				SMN	m _B = 6.1	9.0	1.00	
			LN	Ms = 5.8	12.0	1.60				SME		10.0	1.30	
			LE		12.0	1.40	GZH	77.3	71	cP	17 36 27.5	0.0		
GYA	70.4	71	P	17 35 46.2	-1.2					PMZ	m _B = 6.3	6.0	2.03	
			S	17 44 57.0	-0.8					sP	17 36 38.5	3.0		
			sS	17 45 04.0	-4.1					S	17 46 18.0	2.6		
			LE	Ms = 5.2	15.0	0.70	SSE	78.4	60	-iP	17 36 33.0	-0.4		

September, 1986



			S	00 27 23.0	0.7		
TIY	87.2	313	-P	00 17 44.7	0.6		
			PMZ			1.2	0.050
			SKS	00 27 19.0	1.9		
XAN	87.8	309	-P	00 17 47.1	0.4		
CD2	90.1	304	-iP	00 17 58.4	0.9		
			PMZ			1.2	0.080
LZH	92.4	308	-P	00 18 08.5	0.3		
			PMZ			1.0	0.040
GTA	96.7	310	P	00 18 27.6	-0.2		

1986 9 14

O=01 11 28.8 ± 0.06s
 LAT=56.29 N ± 1.20km
 LONG=153.54 W ± 0.96km
 DEPTH= 34 km ± 0.39km

STATIONS USED = 26, STAND DEV = 1.18s

CN2	50.5	292	cP	01 20 25.4	-1.0		
SNY	52.9	292	cP	01 20 43.6	-0.6		
XAN	66.3	296	cP	01 22 18.5	1.8		
GTA	66.3	306	cP	01 22 15.4	-1.7		
GYA	73.6	293	P	01 23 02.0	0.9		
LSA	78.4	307	cP	01 23 29.1	0.4		

1986 9 14

O=02 30 28.8 ± 0.08s
 LAT=32.89 N ± 0.69km
 LONG=103.83 E ± 0.77km
 DEPTH= 0 km ± 0.13km

STATIONS USED = 5, STAND DEV = 3.63s

M_L=3.1/ 4,

CD2	2.0	182	ePg	02 31 04.4	0.7		
			Sg	02 31 31.9	1.4		
			SMN	M _L =3.0	0.9	0.090	
			SME		0.8	0.14	
XAN	4.4	73	Pg	02 31 45.0	-1.8		
			S*	02 32 38.2	-1.7		
			SMN	M _L =3.3	1.0	0.050	
			SME		1.0	0.060	

1986 9 14

O=03 38 30.5 ± 0.18s
 LAT= 6.21 S ± 3.25km
 LONG=105.21 E ± 4.84km
 DEPTH= 35 km ± 0.42km

STATIONS USED = 52, STAND DEV = 2.45s

M_s=4.9/ 12,

QZN	25.5	10	cP	03 44 00.6	3.1		
			cS	03 48 27.5	7.3		
			sS	03 48 40.0	4.4		

			LN		M _s =4.9	11.0	1.10
			LE			10.0	0.70
KMI	31.2	356	cP	03 44 53.5	3.8		
GYA	32.5	2	cP	03 45 00.4	-0.3		
			S	03 50 16.0	4.6		
			LN		M _s =4.8	12.0	0.80
CD2	36.9	358	cP	03 45 36.8	-1.7		
			cS	03 51 20.0	-0.9		
			LE		M _s =5.4	9.0	1.75
WHN	37.6	13	cP	03 45 47.5	3.7		
SSE	40.1	21	cP	03 46 06.4	1.5		
			PMZ			1.0	0.020
			pP	03 46 11.0	-3.7		
XAN	40.2	5	cP	03 46 03.7	-1.9		
			cS	03 52 08.0	-2.1		
			LN		M _s =5.0	9.0	0.62
NJ2	40.2	18	cP	03 46 09.5	3.8		
			LN		M _s =5.1	10.0	0.80
LZH	42.1	358	cP	03 46 22.0	0.6		
TIY	44.2	8	cP	03 46 37.0	-1.6		
			S	03 53 10.0	1.8		
			LN		M _s =5.0	12.0	0.56
			LE			12.0	0.30
GTA	45.7	354	P	03 46 49.0	-1.3		
			PcP	03 48 30.0	2.4		
			LN		M _s =4.8	10.0	0.33
BJI	47.1	11	cP	03 47 00.5	-1.0		
HHC	47.2	7	cP	03 47 01.8	-0.5		
WMQ	52.3	344	P	03 47 38.8	-2.3		
KSH	52.9	332	cP	03 47 43.3	-2.4		
CN2	53.0	18	cP	03 47 44.0	-2.8		
MDJ	55.1	21	cP	03 47 59.5	-2.8		

1986 9 14

O=11 41 46.1 ± 0.14s
 LAT=37.21 N ± 1.77km
 LONG= 80.25 E ± 1.05km
 DEPTH= 16 km

STATIONS USED = 8, STAND DEV = 3.33s

M_L=4.0/ 4,

KSH	4.0	305	Pn	11 42 47.0	-1.0		
			Sn	11 43 36.0	-0.8		
			SMN		M _L =4.7	0.5	2.10
			SME			0.2	0.90
WMQ	8.7	38	P	11 43 55.8	1.2		
			S	11 45 39.4	6.4		
GTA	15.5	76	P	11 45 28.9	2.5		

1986 9 14

O=12 42 31.5 ± 0.09s

LAT=24.13 N ± 1.74km
 LONG=142.08 E ± 1.83km
 DEPTH= 35 km ± 0.30km
 STATIONS USED = 44, STAND DEV= 1.65s

SSE	19.8	295	eP	12 47 03.0	1.5
			PMZ		1.5 0.020
			epP	12 47 09.5	-0.5
			eS	12 50 39.0	1.7
			SS	12 51 04.0	-0.3
NJ2	21.9	296	eP	12 47 26.0	2.1
			SS	12 52 03.0	5.6
MDJ	22.8	337	eP	12 47 34.5	1.5
SNY	23.4	323	+P	12 47 39.0	0.4
CN2	23.9	329	eP	12 47 44.0	0.7
TIA	24.6	305	P	12 47 50.6	0.2
WHN	25.4	291	eP	12 47 59.0	1.2
TIY	28.7	305	eP	12 48 27.6	-0.2
XAN	30.5	297	P	12 48 42.9	-1.1
GYA	32.0	282	P	12 48 58.0	0.3
LZH	35.0	299	eP	12 49 22.0	-0.9
WMQ	48.3	308	P	12 51 10.5	-1.3

1986 9 14
 O=13 22 08.6 ± 0.08s
 LAT= 5.01 S ± 1.90km
 LONG=102.67 E ± 2.06km
 DEPTH= 54 km ± 1.06km
 STATIONS USED = 35, STAND DEV= 1.25s

QZN	24.9	16	eP	13 27 31.0	2.7
GYA	31.5	7	P	13 28 28.4	0.2
CD2	35.7	2	eP	13 29 04.1	-0.4
LSA	36.2	343	+P	13 29 09.9	0.7
TIY	43.5	11	eP	13 30 09.0	0.4
HHC	46.4	9	eP	13 30 33.0	1.2
WMQ	50.4	346	P	13 31 04.0	0.5
CN2	52.7	21	eP	13 31 20.0	-0.8
			pP	13 31 32.0	-2.3

1986 9 14
 O=13 54 40.8 ± 0.08s
 LAT=43.79 N ± 2.54km
 LONG=147.66 E ± 1.59km
 DEPTH= 50 km ± 1.29km
 STATIONS USED = 70, STAND DEV= 1.64s
 Ms=4.3 / 3,

MDJ	13.0	280	eP	13 57 44.6	-0.6
			S	14 00 11.0	3.1
SNY	17.8	272	eP	13 58 47.0	0.7
DL2	20.1	265	eP	13 59 16.0	2.7
BJI	23.7	272	eP	13 59 48.0	-0.7

SSE	24.4	248	eP	13 59 57.4	1.2
			PMZ		1.0 0.020
			pP	14 00 03.5	-4.6
TIA	24.5	262	eP	13 59 57.1	0.3
NJ2	25.4	252	-P	14 00 07.0	1.1
HHC	26.7	276	P	14 00 18.0	0.1
TIY	27.2	269	eP	14 00 23.0	0.5
			sS	14 05 18.5	1.9
BTO	27.9	277	eP	14 00 28.4	-0.4
WHN	29.4	255	eP	14 00 42.0	-0.3
XAN	31.4	265	P	14 00 59.4	-0.6
LZH	34.1	272	+iP	14 01 24.5	0.9
			PMZ		1.0 0.060
GTA	35.7	280	+P	14 01 36.9	0.4
CD2	36.8	265	-iP	14 01 45.8	-0.1
			PMZ		0.8 0.040
GYA	37.3	256	+P	14 01 50.0	-0.3
KMI	40.9	258	+P	14 02 21.0	0.7
WMQ	42.4	292	P	14 02 33.5	0.7
LSA	46.6	272	+P	14 03 06.6	0.2

1986 9 14
 O=14 51 39.0 ± 0.13s
 LAT= 0.09 S ± 1.40km
 LONG=123.46 E ± 1.01km
 DEPTH=191 km ± 1.19km
 STATIONS USED = 50, STAND DEV= 1.31s

QZN	23.2	326	-P	14 56 31.9	1.5
GZH	25.1	338	+P	14 56 49.0	1.5
GYA	31.0	330	eP	14 57 40.6	-0.2
WHN	31.7	345	eP	14 57 48.0	1.1
NJ2	32.3	353	+P	14 57 52.5	0.5
CD2	36.1	331	+iP	14 58 24.6	0.3
XAN	36.6	340	P	14 58 28.8	0.0
TIY	39.0	346	eP	14 58 47.6	-1.1
LZH	40.4	335	eP	14 59 00.5	0.4
SNY	41.7	0	-P	14 59 09.9	-1.2
LSA	42.7	317	+P	14 59 19.7	-0.1
MDJ	44.8	6	eP	14 59 35.8	-0.4
GTA	44.9	334	P	14 59 36.9	0.3
WMQ	54.1	329	P	15 00 45.6	-1.2

1986 9 14
 O=16 56 22.3 ± 0.06s
 LAT=47.20 N ± 1.48km
 LONG=154.00 E ± 1.32km
 DEPTH= 34 km ± 0.35km
 STATIONS USED = 39, STAND DEV= 0.74s
 Ms=4.4 / 4,

MDJ	17.2	270	eP	17 00 21.5	0.2
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September, 1986



CN2	20.2	271	cP	17 00 56.0	-1.7
			eS	17 04 33.0	-5.4
SNY	22.3	267	cP	17 01 17.3	-0.8
TIY	31.8	268	cP	17 02 46.6	0.5
			LE	Ms=4.4	17.0 0.40
WHN	34.6	256	cP	17 03 10.5	-0.3
XAN	36.2	265	P	17 03 23.6	-0.3
LZH	38.5	272	cP	17 03 44.5	1.0
			PMZ		1.5 0.050
GTA	39.5	279	P	17 03 52.3	0.4
CD2	41.5	265	P	17 04 08.8	0.3
GYA	42.4	258	P	17 04 15.2	-0.7
WMQ	45.3	291	P	17 04 39.2	-0.3
KMI	45.9	260	+P	17 04 44.0	-0.3
LSA	50.9	273	+P	17 05 22.9	0.1

				LONG = 129.73 E	± 1.28km
				DEPTH = 78 km	± 0.90km
				STATIONS USED = 35,	STAND DEV = 1.72s
SSE	7.7	288	P	19 34 59.0	-0.1
			PMZ		1.2 0.030
NJ2	9.9	291	+P	19 35 28.5	-0.1
TIA	12.8	307	cP	19 36 10.5	1.9
WHN	13.5	281	cP	19 36 15.3	-1.1
SNY	13.8	340	cP	19 36 20.8	0.1
BJI	15.7	318	cP	19 36 41.0	-4.3
TIY	16.9	306	c(P)	19 36 58.4	-1.7
XAN	18.4	291	cP	19 37 18.0	-1.3
GYA	20.6	269	P	19 37 46.0	3.7
QZN	20.7	246	cP	19 37 44.6	1.5
CD2	22.6	281	cP	19 38 02.6	0.3
GTA	26.7	301	P	19 38 42.7	0.7

1986 9 14

O = 17 47 05.2 ± 0.10s
 LAT = 47.08 N ± 2.29km
 LONG = 154.04 E ± 1.78km
 DEPTH = 32 km ± 0.32km
 STATIONS USED = 33, STAND DEV = 1.36s

CN2	20.3	271	cP	17 51 37.0	-4.1
SNY	22.3	268	cP	17 52 01.4	0.0
WHN	34.6	256	cP	17 53 54.0	0.1
XAN	36.2	265	P	17 54 07.1	0.0
LZH	38.5	272	cP	17 54 28.0	1.2
GTA	39.5	279	P	17 54 36.1	0.7
CD2	41.5	266	P	17 54 52.6	0.8
GYA	42.4	258	P	17 55 00.4	1.4
LSA	50.9	274	P	17 56 06.8	0.6

1986 9 14

O = 17 53 21.2 ± 0.14s
 LAT = 34.30 N ± 3.67km
 LONG = 25.76 E ± 2.96km
 DEPTH = 54 km ± 1.15km
 STATIONS USED = 30, STAND DEV = 3.20s
 Ms = 4.9 / 2,

WMQ	48.0	59	cP	18 01 58.5	1.0
GTA	57.9	62	cP	18 03 10.4	-0.7
CD2	64.2	69	cP	18 03 55.2	1.6
BTO	64.7	57	cP	18 04 03.0	6.0
XAN	66.8	64	cP	18 04 11.2	1.3
TIY	67.7	59	cP	18 04 18.4	2.8
BJI	69.2	55	cP	18 04 27.5	2.5

1986 9 14

O = 19 33 07.4 ± 0.09s
 LAT = 28.96 N ± 1.58km

1986 9 14

O = 20 16 58.5 ± 0.09s
 LAT = 1.67 N ± 0.59km
 LONG = 126.32 E ± 1.27km
 DEPTH = 36 km ± 0.43km
 STATIONS USED = 13, STAND DEV = 0.88s

GZH	24.7	330	cP	20 22 19.0	0.8
XAN	36.1	335	P	20 23 58.0	-1.2
CD2	36.1	326	cP	20 23 58.2	-1.0
SNY	40.1	357	cP	20 24 31.7	-0.6
LZH	40.1	331	cP	20 24 33.5	0.8
WMQ	54.2	326	cP	20 26 22.0	-1.3

1986 9 14

O = 20 58 22.1 ± 0.15s
 LAT = 6.35 S ± 1.88km
 LONG = 155.06 E ± 1.63km
 DEPTH = 53 km ± 0.80km
 STATIONS USED = 91, STAND DEV = 1.30s
 Ms = 5.6 / 36, m_B = 5.6 / 11

QZH	47.2	313	+P	21 06 53.0	1.2
			S	21 13 43.0	4.4
			SME	m _B = 5.5	10.0 0.66
			sS	21 14 02.0	-0.2
			SS	21 17 05.0	5.2
			LE	Ms = 5.5	20.0 3.50
SSE	49.3	321	+iP	21 07 07.0	-1.6
			PMZ		1.3 0.030
			pP	21 07 18.0	-3.7
			sP	21 07 23.0	-4.4
			PcP	21 08 28.0	-1.9
			PP	21 09 03.0	0.7
			S	21 14 10.0	1.1

			sS	21 14 30.0	-2.6				sS	21 16 18.0	-0.3					
			ScS	21 16 51.0	-0.4				LE	Ms = 5.8	20.0	4.40				
			SS	21 17 40.0	3.1			BJI	58.4	326	cP	21 08 14.0	-1.3			
			LN	Ms = 5.7	20.0	2.94					cS	21 16 11.0	-1.5			
			LE		24.0	3.97					SMN	m _B = 5.4	8.0	0.27		
GZH	50.2	307	+iP	21 07 16.5	1.5						SME		8.0	0.34		
			cS	21 14 26.5	5.0						LN	Ms = 5.6	18.0	2.54		
			LE	Ms = 5.8	19.0	5.90		TIY	59.1	321	+P	21 08 20.0	-0.3			
QZN	51.2	300	+P	21 07 24.0	1.3						PMZ		1.0	0.030		
			pP	21 07 34.5	-1.3						S	21 16 27.0	6.5			
			PcP	21 08 39.5	2.9						SMN		24.0	1.19		
			S	21 14 39.0	4.7						LN	Ms = 5.6	24.0	1.72		
			sS	21 14 59.0	0.8						LE		25.0	3.06		
			LN	Ms = 5.8	21.0	3.20		XAN	59.3	316	cP	21 08 19.6	-1.8			
			LE		21.0	4.70					S	21 16 20.0	-2.6			
NJ2	51.5	320	+P	21 07 25.0	0.3						LN	Ms = 5.6	18.0	1.33		
			sP	21 07 39.5	-4.0						LE		18.0	2.12		
			S	21 14 45.0	6.9						KMI	59.7	304	+P	21 08 25.0	0.5
			LE	Ms = 5.3	17.0	1.60					PMZ		3.0	0.50		
WHN	53.5	316	cP	21 07 40.0	-0.1						pP	21 08 35.5	-2.1			
			cS	21 15 09.0	1.6						cS	21 16 34.0	4.3			
			LN	Ms = 5.5	18.0	2.40					LN	Ms = 5.5	18.0	2.00		
DL2	54.7	328	P	21 07 48.0	-0.4						HHC	61.6	324	P	21 08 37.0	-0.3
			cS	21 15 26.0	3.4						pP	21 08 47.0	-3.6			
			LN	Ms = 5.5	18.0	2.07					S	21 16 56.0	3.7			
			LE		14.0	1.09					SMN	m _B = 5.7	10.0	0.36		
TIA	55.3	323	cP	21 07 52.2	-0.9						SME		10.0	0.87		
			pP	21 08 03.0	-3.4						LN	Ms = 5.6	18.0	1.98		
			cS	21 15 30.0	-1.2						LE		19.0	1.61		
			LN	Ms = 5.5	17.0	1.09		BTO	62.4	323	cP	21 08 42.0	-0.4			
			LE		17.0	1.63					cS	21 17 05.0	1.5			
MDJ	55.7	338	cP	21 07 54.1	-1.7						LN	Ms = 5.6	18.0	1.50		
			S	21 15 38.0	2.9						LE		18.0	1.70		
SNY	55.9	332	+iP	21 07 56.0	-1.5						LZH	63.9	315	+P	21 08 52.0	-0.5
			sP	21 08 12.0	-4.5						PMZ		1.5	0.14		
			S	21 15 43.0	4.7						cS	21 17 20.0	-2.6			
			SMN			22.0	1.00				SMN	m _B = 5.6	7.0	0.62		
			SME			22.0	0.86				LN	Ms = 5.4	17.0	1.50		
			SS	21 19 32.0	7.6						GTA	68.3	317	P	21 09 20.2	-0.4
			LN	Ms = 5.7	51.0	8.71					PMZ		14.0	1.27		
			LE		56.0	7.04					S	21 18 18.0	3.5			
CN2	56.6	335	+P	21 08 01.0	-1.8						LE	Ms = 5.6	19.0	2.04		
			pP	21 08 12.0	-4.1						LSA	71.0	304	+P	21 09 36.7	-0.5
			PP	21 10 09.0	-0.4						S	21 18 50.0	4.4			
			cS	21 15 40.7	-8.4						SMN	m _B = 5.9	4.0	0.58		
			cSS	21 19 43.0	6.2						WMQ	78.4	317	P	21 10 18.7	-0.9
GYA	57.1	307	P	21 08 06.8	0.5						pP	21 10 30.0	-3.2			
			pP	21 08 17.0	-2.5						S	21 20 10.0	1.7			
			PP	21 10 21.0	7.3						LN	Ms = 5.7	24.0	1.89		
			S	21 16 02.0	7.8						LE		26.0	2.00		

KSH	85.6	310	cP	21 10 59.0	1.8		
			pP	21 11 09.0	-1.8		
			eSKS	21 21 17.0	3.9		
			S	21 21 29.0	7.1		
			SMN	$m_B = 6.1$		8.0	1.60

O = 06 29 35.4 ± 0.14s
 LAT = 51.41 N ± 4.30km
 LONG = 176.93 W ± 1.92km
 DEPTH = 39 km ± 1.58km
 STATIONS USED = 65, STAND DEV = 1.01s

1986 9 15

O = 05 47 28.1 ± 0.09s
 LAT = 23.97 N ± 1.07km
 LONG = 114.43 E ± 0.77km
 DEPTH = 14 km ± 0.06km
 STATIONS USED = 29, STAND DEV = 1.91s

$M_s = 3.9 / 4$, $M_L = 4.5 / 15$,

GZH	1.3	229	-Pn	05 47 52.4	-0.3		
			Pg	05 47 53.0	1.3		
			Sg	05 48 09.3	-0.7		
			SMN	$M_L = 4.4$		0.5	5.36
			SME			0.5	6.91

QZH	3.9	75	cPn	05 48 28.5	0.4		
			Pg	05 48 41.5	4.3		
			Sn	05 49 11.2	-4.6		
			Sg	05 49 30.0	-0.7		
			SMN	$M_L = 4.1$		0.3	0.57
			SME			0.3	0.25
			LE	$M_s = 3.9$		5.0	1.26

QZN	6.5	222	cPn	05 49 04.8	0.9		
			Pg	05 49 29.6	6.5		
			eSn	05 50 18.6	-1.7		
			Sg	05 50 52.8	0.7		
			SMN	$M_L = 4.2$		0.6	0.13
			SME			0.6	0.15
			LN	$M_s = 3.7$		8.0	0.40
			LE			8.0	0.40

WHN	6.5	359	cPn	05 49 03.0	-1.4		
			P*	05 49 16.0	-0.5		
			Sn	05 50 20.0	-1.1		
			LN	$M_s = 3.9$		7.0	0.71

GYA	7.5	291	Pn	05 49 18.8	1.7		
			Sn	05 50 43.8	0.1		
			Sg	05 51 21.0	-0.8		
			SMN	$M_L = 4.6$		1.0	0.20

SSE	9.3	39	c(P)	05 49 44.0	-0.8		
			LG ₁	05 52 21.5	1.7		
			LG ₂	05 52 41.0	6.5		
			LN	$M_s = 4.4$		6.0	0.85
			LE			6.0	0.70

XAN	11.1	336	P	05 50 09.5	-0.7		
CD2	11.7	308	cP	05 50 17.6	-0.8		

1986 9 15

MDJ	35.7	281	cP	06 36 31.0	-1.8		
CN2	38.7	282	+P	06 36 56.4	-1.3		
			(S)	06 42 54.0	2.3		
SNY	40.9	281	+iP	06 37 16.7	0.5		
BJI	46.5	283	P	06 38 02.0	0.7		
TIA	48.3	279	P	06 38 15.3	-0.2		
SSE	49.2	271	-P	06 38 22.2	0.2		
			PMZ			1.0	0.030
			epP	06 38 29.5	-3.0		
BTO	49.9	288	+P	06 38 28.0	0.3		
TIY	50.2	283	+P	06 38 31.0	0.6		
			PMZ			0.9	0.080
			(S)	06 45 35.0	-3.9		
WHN	53.8	275	cP	06 38 56.0	-1.2		
LZH	56.5	287	cP	06 39 16.0	-0.8		
			PMZ			1.0	0.10
GTA	56.6	293	P	06 39 16.0	-1.8		
GZH	59.7	270	+P	06 39 39.0	-0.3		
CD2	60.1	283	-iP	06 39 41.1	-0.8		
			PMZ			1.0	0.030
GYA	61.5	277	P	06 39 50.6	-0.7		
KMI	64.9	279	+P	06 40 13.0	-0.8		
QZN	64.9	269	cP	06 40 14.2	0.3		
LSA	68.5	291	+P	06 40 37.0	-0.2		

1986 9 15

O = 07 31 07.0 ± 0.52s
 LAT = 23.59 N ± 3.04km
 LONG = 121.34 E ± 3.91km
 DEPTH = 13 km ± 0.32km
 STATIONS USED = 9, STAND DEV = 2.46s

$M_L = 3.2 / 7$,

QZH	2.9	299	-iPn	07 31 54.2	1.6		
			Pg	07 32 06.0	8.6		
			Sn	07 32 32.9	4.1		
			SMN	$M_L = 3.2$		0.3	0.13
			SME			0.3	0.060
GZH	7.4	268	cPn	07 32 56.6	1.9		
			cSn	07 34 22.0	1.4		

1986 9 15

O = 08 48 11.8 ± 0.13s
 LAT = 22.66 S ± 4.78km
 LONG = 175.34 W ± 4.12km
 DEPTH = 31 km ± 0.83km

STATIONS USED = 71, STAND DEV = 1.13s							
Ms = 5.6 / 27,				m _B = 6.0 / 28			
QZH	79.7	302	+P	09 00	18.0	-0.6	
			PMZ		m _B = 5.9	5.0	0.72
			S	09 10	20.0	3.7	
			sS	09 10	38.0	4.7	
			LE		Ms = 5.8	20.0	2.91
SSE	81.0	309	+P	09 00	24.0	-1.6	
			PMZ		m _B = 6.0	5.0	0.92
			cpP	09 00	34.0	-0.8	
			sP	09 00	40.0	1.3	
			cPP	09 03	29.0	-2.6	
			SKS	09 10	34.0	-2.2	
			sS	09 10	44.0	-2.9	
			SS	09 15	42.0	-5.5	
			LE		Ms = 5.6	18.0	1.52
GZH	82.9	298	+P	09 00	36.4	0.7	
			PMZ		m _B = 6.1	5.5	1.17
			cS	09 10	51.0	-0.6	
NJ2	83.2	309	+iP	09 00	37.0	0.1	
			PMZ		m _B = 6.1	5.5	1.10
			iS	09 11	00.0	6.1	
			SME		m _B = 5.9	8.0	0.80
MDJ	83.7	324	+P	09 00	40.1	0.3	
			pP	09 00	50.1	1.1	
			sP	09 00	54.0	1.2	
			S	09 10	55.5	-2.2	
			SMN		m _B = 6.4	9.0	2.50
			sS	09 11	13.0	-1.9	
QZN	84.0	293	+P	09 00	42.0	0.8	
			S	09 11	04.5	4.0	
			SMN			13.0	1.10
			SME			13.0	1.10
			LE		Ms = 5.8	20.0	2.40
DL2	85.0	316	+iP	09 00	46.0	-0.2	
			PMZ		m _B = 6.3	4.0	1.10
			S	09 11	12.0	1.5	
			LN		Ms = 5.7	18.0	1.24
			LE			18.0	1.27
SNY	85.5	319	+iP	09 00	48.0	-0.4	
			PMZ		m _B = 5.9	10.0	1.28
			sP	09 01	03.0	1.4	
			S	09 11	09.0	-5.9	
			SMN			24.0	1.88
			SME			18.0	1.17
			SS	09 16	49.0	-4.8	
			LN		Ms = 5.6	18.0	0.83
			LE			20.0	1.20
CN2	85.5	321	+iP	09 00	48.0	-0.8	
			PMZ			3.0	1.60
			pP	09 00	58.0	-0.1	
			cS	09 11	13.0	-4.3	
			SMN		m _B = 5.9	12.0	1.00
			SME			12.0	1.20
			cSS	09 16	50.0	-4.9	
			LE		Ms = 5.6	17.0	1.20
WHN	85.7	305	cP	09 00	49.0	-0.7	
			PMZ		m _B = 6.3	6.0	1.57
			cS	09 11	13.0	-6.1	
			LN		Ms = 5.8	18.0	2.40
TIA	86.6	312	cP	09 00	54.0	0.1	
			PMZ		m _B = 6.1	5.0	0.81
			pP	09 01	04.0	0.9	
			SME		m _B = 6.0	9.0	1.39
			LE		Ms = 5.7	18.0	1.93
BJI	89.2	314	cP	09 01	06.5	0.1	
			PMZ		m _B = 6.2	5.0	0.93
			cSKS	09 11	30.0	-0.7	
			cS	09 11	49.0	-2.8	
			SME		m _B = 5.6	9.0	0.58
			LN		Ms = 5.2	14.0	0.44
GYA	89.9	299	P	09 01	10.8	1.0	
			pP	09 01	20.0	0.9	
TIY	90.6	311	+iP	09 01	13.5	0.4	
			PMZ			1.4	0.18
			SKS	09 11	46.0	6.9	
			S	09 12	03.0	0.3	
			sS	09 12	20.5	0.5	
			SS	09 18	07.0	-0.8	
			LN		Ms = 5.4	15.0	0.55
			LE			15.0	0.49
XAN	91.4	306	+P	09 01	17.4	0.4	
			PMZ		m _B = 6.3	5.0	1.00
			pP	09 01	27.4	1.1	
			SKS	09 11	49.0	5.0	
			SMN		m _B = 6.1	12.0	1.28
			SME			10.0	1.27
KMI	92.5	296	+P	09 01	23.5	1.2	
			PMZ		m _B = 6.4	4.0	0.90
			pP	09 01	33.0	1.6	
			SKS	09 11	46.0	-4.4	
			SME		m _B = 5.7	11.0	0.74
			LN		Ms = 5.7	20.0	1.64
HHC	92.6	313	+P	09 01	23.0	0.3	
			SKS	09 11	49.0	-2.0	
			S	09 12	19.0	-2.0	
			LN		Ms = 5.6	20.0	1.36
BTO	93.6	313	+iP	09 01	27.0	0.1	
			sP	09 01	40.0	0.1	
			cSKS	09 11	54.0	-2.1	

September, 1986

		eS	09 12 26.0	-5.1			
		LN	Ms=5.7	18.0	1.20		
		LE		18.0	1.00		
CD2	94.0	302	cP	09 01 30.1	1.1		
			SKS	09 12 02.0	3.3		
			eS	09 12 28.0	-7.0		
LZH	96.0	306	cP	09 01 38.0	-0.3		
			PMZ		2.5	0.17	
			eSKS	09 12 11.0	1.3		
			SME	m _B =5.5	10.0	0.39	
			LE	Ms=5.5	20.0	1.05	
GTA	100.2	308	+P	09 01 57.2	-0.2		
			SKS	09 12 34.0	2.8		
			LE	Ms=5.5	21.0	1.12	
KSH	118.1	304	cPKP	09 06 52.0	-5.0		
			cPP	09 08 09.0	-6.9		

1986 9 15

O=09 13 03.0 ± 0.09s
 LAT=48.40 N ± 3.55km
 LONG=153.57 E ± 2.03km
 DEPTH= 42 km ± 0.83km
 STATIONS USED = 23, STAND DEV = 2.09s

MDJ	16.9	266	cP	09 17 01.0	2.6		
CN2	20.0	267	cP	09 17 32.0	-2.8		
SNY	22.1	264	cP	09 17 56.8	0.7		
GTA	39.0	277	P	09 20 26.4	-1.6		
CD2	41.3	264	P	09 20 46.0	-1.0		
GYA	42.4	256	P	09 20 54.6	-1.0		
WMQ	44.6	290	P	09 21 12.0	-1.8		

1986 9 15

O=11 41 26.0 ± 0.09s
 LAT=36.91 N ± 2.69km
 LONG= 22.09 E ± 2.11km
 DEPTH= 11 km ± 0.85km
 STATIONS USED = 56, STAND DEV = 1.66s

KSH	41.9	69	cP	11 49 18.1	-0.8		
			cS	11 55 35.1	-2.1		
WMQ	49.3	60	P	11 50 16.9	-0.7		
GTA	59.3	62	P	11 51 29.9	-1.3		
LZH	63.7	63	cP	11 52 00.5	0.1		
BTO	65.8	57	cP	11 52 15.0	0.6		
CD2	66.1	68	P	11 52 15.2	-0.8		
KMI	68.3	74	+P	11 52 29.0	-1.0		
XAN	68.3	63	cP	11 52 28.6	-1.4		
TIY	68.9	58	cP	11 52 34.0	0.3		
BJI	70.2	54	cP	11 52 39.5	-2.0		
GYA	70.6	71	P	11 52 43.0	-1.0		
CN2	73.8	47	cP	11 53 02.0	-1.4		

SNY	73.9	50	cP	11 53 02.4	-1.1		
NJ2	76.4	60	cP	11 53 18.0	0.1		
QZN	77.1	76	cP	11 53 22.4	0.4		
GZH	77.5	71	cP	11 53 24.5	0.5		

1986 9 15

O=14 48 20.0 ± 0.07s
 LAT=61.57 N ± 0.85km
 LONG=144.15 W ± 0.72km
 DEPTH= 55 km ± 0.65km
 STATIONS USED = 48, STAND DEV = 0.74s

MDJ	50.4	292	cP	14 57 14.8	0.1		
CN2	52.9	295	+P	14 57 33.2	-0.1		
SNY	55.3	295	+iP	14 57 50.8	0.0		
BJI	59.9	299	cP	14 58 23.5	0.0		
TIA	62.8	296	cP	14 58 42.5	0.0		
NJ2	65.5	292	+P	14 59 00.0	-0.5		
GTA	66.9	311	+P	14 59 09.1	-0.3		
WMQ	66.9	322	P	14 59 08.5	-1.1		
XAN	68.1	301	P	14 59 15.7	-1.0		
LZH	68.3	306	cP	14 59 18.0	-0.3		
WHN	68.8	295	+P	14 59 21.0	-0.1		
GYA	75.6	299	P	15 00 02.0	0.1		
LSA	78.7	313	+P	15 00 19.0	-0.4		
QZN	80.8	293	cP	15 00 31.2	1.0		

1986 9 15

O=16 42 51.0 ± 0.28s
 LAT=24.52 N ± 3.01km
 LONG= 98.92 E ± 3.29km
 DEPTH= 16 km ± 0.51km
 STATIONS USED = 20, STAND DEV = 4.01s
 Ms=4.2 / 2, M_L=4.0 / 4,

KMI	3.5	79	+Pn	16 43 47.5	1.7		
			Pg	16 43 55.5	2.3		
			Sg	16 44 40.0	-1.4		
			SMN	M _L =3.9	1.2	0.30	
			SME		1.0	0.45	
			LN	Ms=3.8	7.0	1.88	
GYA	7.3	73	Pn	16 44 36.6	-0.4		
			Sn	16 46 00.6	-0.7		
CD2	7.7	33	P*	16 44 56.5	-1.4		
			LG ₂	16 47 08.0	3.8		
			LE	Ms=4.6	8.0	3.08	
XAN	12.9	40	cP	16 45 49.0	-7.6		
WHN	14.9	63	cP	16 46 23.5	-0.1		
TIY	17.5	38	cP	16 46 56.0	-0.3		
WMQ	21.3	337	c(P)	16 47 38.9	-1.2		

1986 9 15

O = 16 53 53.2		± 0.10s					
LAT = 47.31 N		± 3.80km					
LONG = 154.01 E		± 2.80km					
DEPTH = 35 km		± 1.41km					
STATIONS USED = 47, STAND DEV = 1.68s							
Ms = 4.8 / 10,							
MDJ	17.2	270	cP	16 57 53.3	1.0		
CN2	20.3	271	eP	16 58 27.4	-1.2		
				(S)	17 02 10.0	0.6	
SNY	22.3	267	+P	16 58 54.0	4.9		
				eS	17 02 53.0	5.7	
				LN	Ms = 4.8	16.0	1.12
				LE		16.0	1.45
DL2	24.9	262	cP	16 59 18.0	2.9		
				LN	Ms = 4.5	12.0	0.54
TIA	29.4	261	cP	16 59 55.4	-0.5		
				LE	Ms = 4.6	18.0	0.83
HHC	30.9	274	cP	17 00 08.5	-0.6		
TIY	31.8	268	-P	17 00 17.7	0.6		
				LN	Ms = 4.8	16.0	0.65
				LE		15.0	0.67
BTO	32.0	274	cP	17 00 11.8	-7.5		
WHN	34.7	255	eP	17 00 40.5	-1.4		
XAN	36.2	265	P	17 00 53.9	-1.0		
				LN	Ms = 5.0	14.0	1.02
				LE		14.0	0.68
LZH	38.5	272	+P	17 01 14.0	-0.4		
				PMZ		1.5	0.050
GTA	39.5	279	P	17 01 23.0	0.3		
				LN	Ms = 4.8	13.8	0.68
CD2	41.5	265	P	17 01 39.7	0.2		
GYA	42.4	258	P	17 01 46.6	-0.4		
WMQ	45.3	291	P	17 02 09.8	-0.3		
LSA	50.9	273	+P	17 02 54.0	0.3		

1986 9 15

O = 17 00 32.1 ± 0.09s
 LAT = 47.30 N ± 4.12km
 LONG = 153.90 E ± 3.15km
 DEPTH = 37 km ± 1.75km
 STATIONS USED = 52, STAND DEV = 1.73s

Ms = 4.7 / 4,

MDJ	17.1	270	cP	17 04 29.7	-0.5
CN2	20.2	270	cP	17 05 05.8	-0.8
				LN	Ms = 4.8
SNY	22.2	267	-P	17 05 26.4	-0.7
				LE	
BJI	28.0	269	cP	17 06 23.0	0.7
TIA	29.3	261	cP	17 06 33.7	-0.3
HHC	30.8	274	cP	17 06 47.0	-0.2

TIY	31.7	268	-P	17 06 55.0	-0.2		
				LN	Ms = 4.7	13.0	0.32
				LE		13.0	0.56
BTO	32.0	274	cP	17 06 52.0	-5.4		
WHN	34.6	255	cP	17 07 19.5	-0.5		
LZH	38.4	272	+P	17 07 53.0	0.5		
				PMZ		1.5	0.050
GTA	39.4	279	-P	17 08 01.4	0.6		
CD2	41.5	265	-iP	17 08 18.0	0.3		
				PMZ		1.1	0.10
GYA	42.4	258	P	17 08 25.0	-0.1		
WMQ	45.2	291	P	17 08 48.3	0.0		
KMI	45.9	260	+P	17 08 53.0	-0.5		
LSA	50.8	273	+P	17 09 32.8	0.9		

1986 9 15

O = 19 34 01.0 ± 0.22s
 LAT = 39.17 N ± 1.86km
 LONG = 104.28 E ± 1.18km
 DEPTH = 11 km ± 0.77km
 STATIONS USED = 13, STAND DEV = 4.48s

M_L = 3.7 / 8,

LZH	3.1	187	cPn	19 34 54.5	4.0		
				Sn	19 35 30.0	0.7	
				Sg	19 35 32.5	-5.6	
				SMN	M _L = 3.7	0.5	0.34
				SME		0.5	0.27
GTA	3.5	275	-iPn	19 34 56.0	0.4		
				Pg	19 35 03.3	0.9	
				Sg	19 35 45.3	-4.6	
				SMN	M _L = 3.6	0.6	0.24
				SME		0.6	0.10
BTO	4.6	70	Pg	19 35 26.4	3.3		
				Sg	19 36 23.7	-2.6	
HHC	5.8	71	cP*	19 35 41.4	3.0		
XAN	6.3	143	cPn	19 35 34.5	-0.3		
				Sn	19 36 51.6	2.2	
				Sg	19 37 21.0	1.5	
				SMN	M _L = 3.0	0.8	0.010
				SME		0.8	0.010
TIY	6.6	100	Pg	19 36 05.4	8.3		
				Sg	19 37 21.2	-5.4	
				SMN	M _L = 3.7	0.7	0.040
				SME		0.6	0.040

1986 9 15

O = 20 05 36.0 ± 0.27s
 LAT = 7.31 N ± 2.06km
 LONG = 74.99 W ± 1.28km
 DEPTH = 55 km ± 2.02km

STATIONS USED = 15, STAND DEV = 2.14s

GYA	146.4	357	PKP	20 25 13.4	2.6		
KMI	147.7	4	+PKP	20 25 16.5	3.5		

1986 9 15
 O = 21 42 28.4 ± 0.09s
 LAT = 36.77 N ± 1.19km
 LONG = 71.05 E ± 1.09km
 DEPTH = 84 km ± 0.51km

STATIONS USED = 82, STAND DEV = 1.04s
 Ms = 5.1 / 31, ML = 5.7 / 3, mb = 5.9 / 9

KSH	4.7	54	P	21 43 40.8	1.9		
			S	21 44 39.0	6.6		
			SMN	ML = 5.5	0.7	7.30	
			SME		0.8	6.00	
WMQ	14.5	56	+iP	21 45 49.5	-1.4		
			PMZ	mb = 6.2	4.0	1.69	
			pP	21 46 03.0	-1.3		
			sP	21 46 20.0	4.5		
			S	21 48 23.0	-6.5		
			SMN	mb = 6.1	6.0	3.53	
			SME		6.0	4.76	
LSA	18.2	107	-P	21 46 35.2	-2.4		
			sP	21 47 07.5	4.5		
			iS	21 50 01.0	5.8		
			SME	mb = 6.2	4.0	3.19	
			PcP	21 51 03.0	-3.3		
			ScS	21 58 11.0	-1.1		
GTA	22.7	75	+iP	21 47 25.8	1.3		
			pP	21 47 47.2	4.6		
			sP	21 47 56.4	3.2		
			PP	21 48 01.8	5.2		
			S	21 51 28.6	6.4		
			SME		16.0	1.03	
			LN	Ms = 4.9	10.0	1.42	
LZH	26.3	82	+iP	21 47 59.0	0.4		
			PMZ		1.5	0.49	
			eS	21 52 31.0	7.3		
			SME	mb = 5.4	9.0	0.95	
			LN	Ms = 5.1	9.0	1.70	
CD2	27.7	93	+iP	21 48 11.5	0.4		
			PMZ		1.2	0.22	
			sP	21 48 44.0	3.8		
			S	21 52 48.0	3.0		
			ScS	21 58 49.0	1.0		
			LE	Ms = 5.2	8.0	1.79	
KMI	29.4	104	+P	21 48 26.0	-0.7		
BTO	30.5	71	+iP	21 48 36.0	0.0		
			sP	21 49 09.0	3.7		
			PP	21 49 38.0	-0.1		

			eS	21 53 31.0	0.8		
			LN	Ms = 5.1	14.0	1.30	
			LE		15.0	1.50	
XAN	30.9	84	+iP	21 48 38.8	-0.4		
			sP	21 49 11.0	2.4		
			S	21 53 35.0	0.1		
			sS	21 54 14.0	4.8		
			LN	Ms = 5.0	10.0	1.08	
HHC	31.6	70	+P	21 48 46.0	0.0		
			S	21 53 48.0	0.9		
			LN	Ms = 5.5	6.0	0.92	
			LE		6.0	1.69	
GYA	31.9	99	+P	21 48 48.0	0.0		
			pP	21 49 08.0	0.9		
			sP	21 49 20.0	2.5		
			S	21 53 48.0	-2.7		
			ScS	21 59 07.0	-0.8		
			LN	Ms = 4.9	12.0	0.90	
TIY	32.8	76	+iP	21 48 56.0	0.1		
			S	21 54 07.0	2.2		
			PcS	21 55 26.0	3.2		
			SS	21 56 09.0	0.7		
			LN	Ms = 5.0	11.0	1.01	
BJI	35.2	71	eP	21 49 17.0	0.2		
			PcP	21 51 45.5	-0.3		
			ePP	21 50 39.0	1.9		
			eS	21 54 41.0	-2.7		
			esS	21 55 19.0	1.7		
			ePcS	21 55 32.0	0.5		
			LN	Ms = 4.8	11.0	0.60	
WHN	36.3	87	P	21 49 26.5	0.2		
			PMZ		1.0	0.12	
			sP	21 49 59.0	2.9		
			eS	21 55 00.0	-0.7		
			LN	Ms = 5.1	10.0	0.92	
TIA	36.8	77	+P	21 49 30.2	0.3		
			pP	21 49 52.7	3.2		
			sP	21 50 02.6	2.9		
			PP	21 51 02.0	6.0		
			eS	21 55 08.0	0.7		
			LE	Ms = 4.9	14.0	0.99	
QZN	38.3	107	+P	21 49 42.0	-0.3		
			sP	21 50 14.0	1.7		
			ePP	21 51 17.0	3.2		
			eS	21 55 28.0	-2.0		
			esS	21 56 09.0	4.9		
			LN	Ms = 5.0	14.0	1.10	
GZH	38.8	99	P	21 49 47.5	0.7		
			PMZ	mb = 6.2	4.0	1.50	
			sP	21 50 19.0	2.3		



WHN	31.0	297	cP	18 26 32.0	-0.7			HHC	36.5	313	-iP	18 27 21.0	0.1			
			S	18 31 27.0	-4.6						PMZ		$m_B=6.7$	4.0	5.21	
			SMN		$m_B=6.2$	10.0	5.70				S	18 32 59.0	0.7			
			LN		$M_s=6.8$	20.0	103				SMN		$m_B=6.5$	11.0	7.19	
			LE			18.0	56.7				SME			7.0	6.15	
GZH	31.0	283	-P	18 26 33.3	0.5						sS	18 33 14.5	-5.0			
			PMZ		$m_B=6.3$	7.0	3.67				ScS	18 37 32.0	2.6			
			PP	18 27 34.0	-0.7						LN		$M_s=6.7$	16.0	47.2	
			iS	18 31 32.0	-0.5						LE			18.0	45.0	
			SMN			26.0	16.8	GYA	37.1	288	P	18 27 26.6	0.8			
			SME			18.0	22.1				PMZ		$m_B=6.4$	5.0	3.60	
			ScP	18 33 05.0	0.3						PP	18 28 51.0	-1.6			
			PcS	18 33 09.5	-0.6						S	18 33 09.0	1.8			
			SS	18 33 21.0	3.2						SMN		$m_B=6.5$	9.0	7.00	
			LN		$M_s=6.4$	19.0	30.8				SME			9.0	3.70	
			LE			16.0	39.1				LN		$M_s=6.4$	16.0	32.8	
BJI	33.1	315	-iP	18 26 50.0	-0.9			BTO	37.5	312	-iP	18 27 29.0	-0.1			
			PMZ		$m_B=6.6$	5.0	4.55				PMZ		$m_B=6.8$	5.0	7.40	
			cPcP	18 29 33.0	0.0						PP	18 29 02.0	4.9			
			S	18 32 04.0	-0.2						S	18 33 11.0	-2.0			
			SMN		$m_B=6.7$	10.0	8.90				SMN		$m_B=6.6$	10.0	9.90	
			SME			7.0	9.40				SME			10.0	7.70	
			ScS	18 37 16.0	5.3						LN		$M_s=6.7$	17.0	46.1	
			LN		$M_s=6.3$	15.0	27.6				LE			17.0	54.3	
			LE			15.0	12.8	CD2	40.0	295	-iP	18 27 49.6	-0.2			
QZN	34.5	275	-iP	18 27 04.0	0.8						PP	18 29 29.5	3.6			
			PcP	18 29 35.5	-1.5						S	18 33 50.0	-0.8			
			ScP	18 33 07.0	-9.8						LE		$M_s=6.7$	16.0	49.8	
			iS	18 32 31.0	3.8						KMI	40.7	286	-iP	18 27 56.0	0.7
			SMN		$m_B=6.6$	12.0	7.60				PMZ		$m_B=6.3$	5.0	2.60	
			SME			12.0	11.7				iS	18 34 04.0	2.3			
			PcS	18 33 22.0	-0.2						SME			13.0	8.60	
			ScS	18 37 16.5	-1.7						SS	18 37 04.0	6.3			
			LN		$M_s=6.5$	15.0	21.4				LN		$M_s=6.2$	15.0	16.4	
			LE			18.0	43.2	LZH	40.8	303	-iP	18 27 56.5	0.3			
TIY	34.7	309	-P	18 27 04.8	-0.2						PMZ			2.0	2.04	
			PMZ			2.4	3.26				cS	18 34 04.0	0.5			
			PP	18 28 24.0	2.2						SMN		$m_B=6.8$	10.0	18.7	
			iS	18 32 32.5	2.1						LN		$M_s=6.5$	17.0	32.4	
			SMN		$m_B=6.6$	10.0	9.29	GTA	44.6	307	-iP	18 28 27.6	0.1			
			SME			9.0	9.41				PMZ		$m_B=6.8$	5.0	6.78	
			ScS	18 37 25.0	5.8						PP	18 30 15.0	2.5			
			LN		$M_s=6.3$	17.0	28.8				iS	18 34 54.0	-5.6			
XAN	36.3	301	-P	18 27 17.4	-1.0						SMN			20.0	15.9	
			PMZ		$m_B=6.4$	7.0	4.14				SS	18 38 10.0	-1.9			
			S	18 32 54.0	0.2						LN		$M_s=6.5$	16.5	32.2	
			SMN		$m_B=6.6$	10.0	9.40	LSA	50.9	293	-iP	18 29 16.4	-0.1			
			SME			14.0	10.1				PcP	18 30 34.5	3.1			
			LN		$M_s=6.5$	21.0	22.2				PcS	18 34 25.0	-2.4			
			LE			18.0	49.1				S	18 36 30.7	4.5			

	SME	$m_B = 6.4$	10.0	4.78	
	LN	$M_S = 6.3$	19.0	13.9	
	LE		15.0	6.54	
WMQ	54.3	310	-iP	18 29 42.0	0.1
	PMZ	$m_B = 7.2$	4.0	11.5	
	PcP		18 30 35.0	-9.3	
	S		18 37 13.0	-0.4	
	SMN	$m_B = 7.1$	7.0	13.5	
	SME		9.0	13.5	
	LN	$M_S = 6.8$	20.0	23.5	
	LE		18.0	40.7	
KSH	63.0	305	P	18 30 44.2	1.9
	S		18 39 13.2	7.4	
	SMN	$m_B = 6.9$	10.0	15.1	
	LE	$M_S = 7.0$	18.0	55.5	

1986 9 16

O=18 56 32.4 ± 0.08s
 LAT=19.33 N ± 1.02km
 LONG=146.46 E ± 1.54km
 DEPTH= 77 km ± 0.28km
 STATIONS USED = 45, STAND DEV = 1.09s

SSE	25.6	302	cP	19 01 56.3	-0.4
CN2	30.1	329	cP	19 02 40.0	2.8
BJI	33.2	315	cP	19 03 04.0	-0.2
QZN	34.5	276	cP	19 03 16.4	0.5
HHC	36.7	313	cP	19 03 33.8	-0.4
GYA	37.2	288	P	19 03 39.2	0.5
BTO	37.7	312	cP	19 03 42.4	0.1
GTA	44.7	307	-P	19 04 40.9	0.4
LSA	51.0	293	P	19 05 28.9	-0.4
WMQ	54.4	310	+iP	19 05 55.0	0.2
	PMZ				1.5 0.18
	S		19 13 30.5	5.5	

1986 9 16

O=20 11 24.4 ± 0.09s
 LAT=37.78 N ± 1.15km
 LONG=101.69 E ± 1.09km
 DEPTH= 18 km ± 0.07km
 STATIONS USED = 79, STAND DEV = 2.34s
 $M_S = 5.4 / 32, M_L = 5.3 / 6, m_B = 5.6 / 3$

GTA	2.2	319	+iPn	20 12 03.4	2.6
			Pg	20 12 04.0	0.7
			Sg	20 12 31.5	-2.0
LZH	2.4	134	-iPn	20 12 07.5	3.7
			Pg	20 12 09.0	1.9
			Sg	20 12 39.0	-1.1
XAN	7.0	120	+Pn	20 13 07.6	1.6
			Pg	20 13 34.0	6.9

			Sg	20 15 06.0	3.8		
			SMN	$M_L = 5.1$	1.2	0.93	
			SME		1.2	0.97	
			LN	$M_S = 5.4$	10.0	25.9	
			LE		11.0	20.5	
BTO	7.1	64	cPn	20 13 08.0	0.5		
			Sn	20 14 33.0	3.6		
			LG ₁	20 15 05.0	-1.0		
			LG ₂	20 15 15.0	-2.2		
			LN	$M_S = 5.0$	10.0	7.60	
			LE		10.0	8.70	
CD2	7.1	165	cPn	20 13 11.7	4.2		
			Pg	20 13 38.0	9.0		
			Sn	20 14 37.0	7.5		
			Sg	20 15 09.5	3.9		
			SMN	$M_L = 5.7$	1.8	2.91	
			SME		2.0	3.97	
			LE	$M_S = 5.5$	7.0	26.6	
HHC	8.2	65	+iP	20 13 27.0	0.5		
			Sg	20 15 37.0	-5.7		
			SMN	$m_B = 6.0$	6.0	8.02	
			SME		6.0	7.94	
TIY	8.5	87	+P	20 13 29.2	-1.0		
			S	20 15 05.2	-1.2		
			SMN	$M_L = 5.7$	1.2	2.55	
			SME		1.0	1.17	
			LN	$M_S = 5.6$	7.0	13.1	
			LE		7.0	24.0	
BJI	11.5	74	P	20 14 11.0	-0.3		
			LG ₁	20 17 25.0	-1.0		
			LN	$M_S = 5.2$	11.0	9.80	
LSA	11.9	231	P	20 14 13.2	-3.9		
			LN	$M_S = 5.0$	9.0	3.51	
			LE		8.0	3.13	
GYA	12.0	158	P	20 14 17.8	-0.8		
			sP	20 14 24.0	-3.6		
			S	20 16 32.0	-1.0		
			LN	$M_S = 5.6$	10.0	9.20	
			LE		10.0	15.7	
WMQ	12.2	304	-P	20 14 18.5	-2.2		
			pP	20 14 22.0	-3.9		
			cS	20 16 30.0	-7.5		
			LN	$M_S = 5.5$	8.0	12.6	
TIA	12.4	93	cP	20 14 22.3	-1.6		
			LN	$M_S = 5.4$	8.0	1.79	
			LE		7.0	8.03	
KMI	12.6	176	+P	20 14 26.5	-0.4		
			S	20 16 47.0	-0.6		
			sS	20 16 55.0	-1.9		
			SS	20 17 03.0	0.7		



			LE		Ms=5.4	11.0	11.7	GTA	2.1	322	+iPn	20 29 51.0	0.5				
WHN	12.7	121	P	20 14 24.0	-3.6							Pg	20 29 51.9	0.9			
			LN		Ms=5.4	9.0	9.50					Sg	20 30 21.0	0.7			
NJ2	15.2	107	-P	20 15 01.0	0.9							SME		M _L =3.5	1.0	0.33	
			LE		Ms=5.5	11.0	11.4	LZH	2.5	130	Pn	20 29 56.0	0.6				
DL2	15.7	80	P	20 15 06.5	-0.1							Pg	20 29 58.0	0.8			
SNY	17.3	70	-iP	20 15 27.0	0.1							Sg	20 30 29.5	-1.7			
			LG ₂	20 20 46.0	-8.9							SMN		M _L =3.6	1.0	0.32	
			LN		Ms=5.4	8.0	4.91					SME			1.5	0.40	
			LE			6.5	2.00										
SSE	17.4	107	eP	20 15 30.0	1.8												
			eS	20 18 38.0	-1.8												
			sS	20 18 53.0	4.1												
			eSS	20 19 04.0	3.3												
			PcP	20 20 13.0	3.1												
			LN		Ms=5.4	12.0	8.16										
GZH	17.7	142	eP	20 15 29.8	-2.6												
			LN		Ms=5.4	10.0	5.07	MDJ	47.7	290	cP	21 05 56.6	-0.5				
			LE			10.0	4.80	CN2	50.5	292	+P	21 06 16.8	-1.3				
CN2	18.9	64	-P	20 15 47.3	-0.1							cS	21 13 26.0	-2.6			
			sP	20 15 54.0	-2.7							SNY	52.8	291	+iP	21 06 36.0	0.1
			eS	20 19 11.0	-3.9							PMZ		m _B =6.1	4.0	1.04	
			eLG ₁	20 21 22.0	2.7							eS	21 13 58.7	-2.4			
			LN		Ms=5.5	9.0	6.40					LN		Ms=6.1	23.0	9.22	
QZH	19.2	127	+P	20 15 52.0	1.1							LE			24.0	8.22	
			PMZ		m _B =5.6	5.0	1.35	BJI	57.9	295	cP	21 07 11.5	-1.3				
			sP	20 15 58.0	-2.3							PMZ		m _B =5.6	6.0	0.51	
			S	20 19 20.0	-1.1							eS	21 15 13.0	3.7			
			sS	20 19 32.0	1.1							SMN		m _B =5.6	10.0	0.80	
			LG ₂	20 21 52.0	-7.5							LN		Ms=5.8	15.0	3.23	
			LN		Ms=5.6	7.0	3.97					LE			13.0	1.77	
			LE			7.0	4.65	HHC	59.6	299	P	21 07 25.0	0.3				
QZN	20.0	157	eP	20 16 00.0	0.8							BTO	60.6	300	+P	21 07 30.5	-0.7
			eS	20 19 42.0	3.7							PP	21 09 45.0	-0.8			
			LN		Ms=5.4	10.0	2.20					S	21 15 40.0	-2.2			
			LE			9.0	4.70					LN		Ms=6.1	13.0	2.40	
KSH	20.1	283	-iP	20 16 03.2	2.2							LE			14.0	5.80	
			sP	20 16 10.2	-0.3							TIY	61.6	296	cP	21 07 38.0	-0.1
			S	20 19 42.3	1.5							PP	21 09 52.0	-3.3			
			sS	20 19 48.2	-2.3							(S)	21 16 04.5	7.7			
			LE		Ms=5.6	14.0	11.5					LN		Ms=5.9	15.0	3.94	
MDJ	22.0	63	cP	20 16 21.6	1.6							SSE	62.1	285	P	21 07 42.0	0.3
												PMZ				1.0	0.050
												epP	21 07 50.0	-1.1			
												eS	21 16 07.0	3.4			
												sS	21 16 15.0	-4.1			
												LN		Ms=5.7	22.0	3.70	
												NJ2	62.6	287	-P	21 07 45.0	-0.1
												WHN	66.2	290	cP	21 08 08.0	-0.2
												S				21 16 52.0	-0.7

1986 9 16

O=20 29 13.2 ± 0.09s

LAT=37.72 N ± 1.17km

LONG=101.50 E ± 0.86km

DEPTH= 0 km ± 0.01km

STATIONS USED = 7, STAND DEV = 3.12s

M_L=3.6/ 5,

	Pg	23 50 34.0	3.4		CD2	22.5	287	eP	04 43 58.0	-0.4		
	Sn	23 51 03.5	4.1		GTA	27.4	305	P	04 44 43.3	-2.3		
	Sg	23 51 05.5	2.3		WMQ	37.4	308	P	04 46 10.5	-1.8		
	SMN	$M_L=4.3$	0.5	1.85								
	SME		0.5	2.00								
XAN	6.9	121	ePn	23 51 31.3	0.9							
			Pg	23 51 58.0	7.5							
			Sg	23 53 32.0	7.0							
			SMN	$M_L=4.2$	1.1	0.12						
			SME		1.3	0.090						
			LN	$M_s=4.1$	8.0	1.23						
			LE		12.0	1.01						
BTO	7.0	64	ePn	23 51 33.0	1.3							
			eSn	23 52 50.0	-3.6							
			LG ₂	23 53 38.0	-1.3							
CD2	7.1	166	Pn	23 51 37.6	5.1							
			Pg	23 52 01.1	7.9							
			Sg	23 53 35.0	5.2							
			SMN	$M_L=4.4$	1.8	0.17						
			SME		1.8	0.19						
			LN	$M_s=4.3$	7.0	1.65						
HHC	8.2	65	+P	23 51 51.0	0.3							
			Sg	23 54 07.6	2.7							
			SMN	$M_L=4.6$	0.6	0.070						
			SME		0.6	0.23						
TIY	8.5	87	eP	23 51 52.0	-2.4							
			Sg	23 54 14.8	1.5							
			SMN	$M_L=4.6$	0.9	0.16						
			SME		0.9	0.11						
			LN	$M_s=4.3$	6.0	0.51						
			LE		7.0	0.98						
BJI	11.5	74	(P)	23 52 37.0	1.5							
			LE	$M_s=3.7$	11.5	0.33						
GYA	12.0	158	P	23 52 42.0	-1.7							
WMQ	12.2	304	eP	23 52 43.5	-2.8							
WHN	12.7	121	eP	23 52 51.0	-1.1							
<p>1986 9 17</p> <p>O=04 39 00.8 ± 0.13s</p> <p>LAT=26.63 N ± 2.12km</p> <p>LONG=128.95 E ± 1.98km</p> <p>DEPTH= 38 km ± 0.90km</p> <p>STATIONS USED = 25, STAND DEV = 1.93s</p> <p>$M_s=4.5 / 2,$</p>												
BJI	17.1	325	+P	04 43 02.0	3.4							
TIY	17.8	312	-P	04 43 09.6	2.0							
			SS	04 46 37.5	-6.7							
			LN	$M_s=4.5$	13.0	0.79						
			LE		12.0	0.85						
XAN	18.8	298	P	04 43 18.2	-1.5							
<p>1986 9 17</p> <p>O=04 42 29.7 ± 0.10s</p> <p>LAT=26.53 N ± 2.38km</p> <p>LONG=128.86 E ± 1.67km</p> <p>DEPTH= 58 km ± 1.88km</p> <p>STATIONS USED = 41, STAND DEV = 2.31s</p> <p>$M_s=4.6 / 6,$</p>												
SSE	8.1	306	e(P)	04 44 36.2	8.6							
			LG ₁	04 46 44.0	-0.8							
			LG ₂	04 46 58.0	0.4							
			LN	$M_s=4.5$	12.0	1.80						
			LE		12.0	3.01						
BJI	17.1	325	P	04 46 29.0	2.3							
XAN	18.8	298	P	04 46 45.6	-1.1							
GYA	19.9	275	P	04 47 02.0	2.9							
BTO	21.0	317	eP	04 47 11.2	0.4							
			eS	04 50 48.0	-8.0							
			LN	$M_s=4.4$	16.0	0.60						
			LE		14.0	0.60						
CD2	22.4	287	eP	04 47 24.2	-0.8							
LZH	23.3	300	eP	04 47 34.5	0.4							
			PMZ		2.0	0.060						
KMI	23.5	272	eP	04 47 37.0	1.0							
GTA	27.4	305	+iP	04 48 11.1	-1.4							
			LE	$M_s=4.4$	11.0	0.38						
WMQ	37.4	308	P	04 49 38.5	-0.6							
<p>1986 9 17</p> <p>O=06 42 19.7 ± 0.17s</p> <p>LAT= 3.96 S ± 1.83km</p> <p>LONG=128.92 E ± 2.71km</p> <p>DEPTH= 27 km ± 0.98km</p> <p>STATIONS USED = 79, STAND DEV = 1.69s</p> <p>$M_s=5.2 / 23,$ $m_B=5.6 / 10$</p>												
QZN	29.6	321	eP	06 48 28.0	3.2							
			sP	06 48 38.0	1.3							
			eS	06 53 15.0	-2.1							
			LN	$M_s=5.1$	14.0	1.60						
			LE		14.0	1.50						
SSE	35.6	349	eP	06 49 16.5	-1.1							
			eS	06 54 51.0	-0.6							
			LE	$M_s=5.2$	24.0	3.01						
WHN	37.0	339	eP	06 49 30.0	0.6							
			S	06 55 12.0	-0.2							
			LE	$M_s=5.1$	32.0	3.05						
NJ2	37.1	346	-P	06 49 31.0	1.3							

DEPTH = 0 km
 STATIONS USED = 6, STAND DEV = 2.55s
 $M_L = 3.7 / 3,$

KSH	1.3	213	Pg	18 40 16.8	-1.0		
			Sg	18	-2.1		
			SME			0.5	3.10
		64	P	18 4	1.4		
			LN			1.5	0.030
GTA	6	86	P	18			

1986 9 17
 O = 19 57 12.0
 LAT = 20.03 N
 LONG = 97.96
 DEPTH = 20 km
 STATIONS USED = 19, STAND DEV = 2.23s
 $M_s = 5.1 / 19, M_L = 5.4 / 4, m_B = 5.1 / 4$

KMI	6.7	40	cPn	19 58 54.0	3.7		
			Pg	19 59 19.0	8.3		
			LG ₁	20 00 49.0	5.9		
			LE			Ms = 5.1	16.0 26.6
GYA	10.2	50	P	19 59 41.0	-0.4		
			sP	19 59 48.0	-2.7		
			S	20 01 33.6	-2.7		
			LG ₁	20 02 27.0	-6.7		
			LG ₂	20 02 44.0	-6.0		
			LN			Ms = 5.4	8.0 10.0
			LE				8.0 8.30
QZN	11.3	93	cP	19 59 54.2	-0.9		
			cS	20 02 06.5	5.1		
			LG ₁	20 03 14.5	9.0		
			LN			Ms = 5.1	6.0 4.20
			LE				6.0 2.00
CD2	12.0	25	cP	20 00 05.6	0.0		
			LG ₁	20 03 30.0	0.2		
			LE			Ms = 5.2	7.0 5.62
GZH	14.6	75	cP	20 00 48.0	7.9		
			LN			Ms = 5.2	12.0 7.69
LZH	16.8	17	cP	20 01 10.0	1.7		
			PMZ				2.0 0.17
			LE			Ms = 4.9	7.0 1.68
XAN	17.0	33	cP	20 01 08.0	-2.7		
WHN	18.1	52	cP	20 01 24.0	-0.5		
			S	20 04 44.0	1.1		
			LN			Ms = 4.9	16.0 3.09
GTA	19.4	4	P	20 01 39.1	-0.6		
			PMZ			$m_B = 5.2$	6.0 0.65
			cS	20 05 14.0	2.0		
			SMN			$m_B = 4.8$	10.0 0.48
			LE			Ms = 5.1	9.0 2.53

TIY	21.7	33	-iP	20 02 03.0	-0.6		
			S	20 05 55.5	-1.3		
			LN			Ms = 5.1	8.0 1.64
			LE				8.0 0.83
NJ2	22.2	53	cP	20 02 10.0	0.8		
BTO	22.9	24	cP	20 02 16.2	-0.3		
			cS	20 06 20.0	-1.4		
			LN			Ms = 4.9	8.0 1.10
			LE				8.0 0.40
TIA	23.3	42	cP	20 02 20.0	0.3		
			LN			Ms = 5.1	10.0 0.52
			LE				9.0 1.93
SSE	23.6	58	cP	20 02 23.0	0.0		
			cS	20 06 36.0	2.9		
			LN			Ms = 4.8	12.0 1.14
HHC	23.8	26	P	20 02 25.0	0.4		
			S	20 06 37.0	2.0		
			LN			Ms = 4.9	8.0 0.77
			LE				7.0 0.70
WMQ	25.2	342	P	20 02 39.0	0.4		
			cS	20 07 03.0	2.4		
			SMN			$m_B = 5.3$	9.0 0.74
			LN			Ms = 4.5	24.0 1.05
BJI	25.3	34	P	20 02 40.0	0.6		
KSH	27.1	320	cP	20 02 57.9	2.3		
			cS	20 07 34.9	4.0		
CN2	33.0	38	-P	20 03 46.0	-2.2		

1986 9 17
 O = 21 25 14.0 ± 0.12s
 LAT = 10.56 N ± 2.92km
 LONG = 56.91 E ± 2.45km
 DEPTH = 10 km ± 0.04km
 STATIONS USED = 90, STAND DEV = 1.51s
 $M_s = 6.2 / 41, m_B = 6.2 / 22$

KSH	33.4	27	P	21 31 57.9	2.3		
			S	21 37 19.9	5.0		
			LE			Ms = 6.4	13.0 27.6
WMQ	42.5	33	P	21 33 12.5	0.6		
			PP	21 34 57.0	4.2		
			PPMZ				6.0 2.98
			S	21 39 31.0	-2.1		
			SMN			$m_B = 6.3$	10.0 2.63
			SME				12.0 4.94
			LN			Ms = 6.5	12.0 15.9
			LE				13.0 17.1
KMI	45.7	65	+P	21 33 38.0	0.0		
			PMZ			$m_B = 5.8$	5.0 0.80
			S	21 40 23.0	3.3		
			SMN			$m_B = 6.2$	10.0 3.70



			LN	Ms=6.2	20.0	16.4				SS	21 46 34.5	-0.7					
GTA	47.7	45	P	21 33 53.7	0.3					LN	Ms=6.3	15.0	4.93				
			PP	21 35 41.0	-2.4					LE		16.0	10.8				
			iS	21 40 39.5	-9.4				HHC	56.6	48	cP	21 35 01.2	0.9			
			SMN			25.0	3.92					S	21 42 50.0	0.3			
			LN	Ms=6.0		14.0	6.47					SS	21 46 38.0	0.0			
CD2	47.8	58	cP	21 33 53.0	-1.5							LN	Ms=6.4	17.0	12.2		
			PP	21 35 48.0	3.1							LE		17.0	14.0		
			eS	21 40 50.0	-0.9				WHN	56.7	60	cP	21 35 00.5	-0.4			
			LN	Ms=6.0		20.0	9.33					SME		22.0	7.70		
LZH	49.4	51	cP	21 34 06.0	-0.7							SS	21 46 40.0	0.2			
			PMZ			1.5	0.28					LN	Ms=6.1	22.0	9.60		
			S	21 41 11.0	-0.7				BJI	59.8	50	P	21 35 22.5	-0.2			
			SMN	m _B =6.0		10.0	2.23					PMZ	m _B =5.8	4.0	0.53		
			LN	Ms=6.1		14.0	7.90					S	21 43 32.0	0.3			
GYA	49.4	64	+P	21 34 06.2	-0.7							SMN	m _B =6.2	8.0	2.12		
			S	21 41 11.0	-1.2							SS	21 47 34.5	5.7			
			SMN	m _B =6.7		6.0	5.10					LN	Ms=6.3	17.0	11.7		
			SME			6.0	2.50					LE		15.0	3.80		
			LN	Ms=5.7		16.0	4.10		TIA	59.9	54	cP	21 35 21.7	-1.2			
QZN	51.7	74	+P	21 34 23.5	-0.5							cS	21 43 28.0	-5.3			
			PP	21 36 29.0	7.5							SMN	m _B =5.4	11.0	0.56		
			S	21 41 47.0	3.6							LN	Ms=6.0	16.0	1.27		
			SMN			16.0	2.90					LE		16.0	5.80		
			SME			16.0	5.70		QZH	60.0	67	cP	21 35 28.5	4.6			
			LN	Ms=6.0		19.0	8.30					S	21 43 39.0	5.0			
			LE			18.0	3.90					SMN	m _B =5.8	8.0	0.83		
XAN	52.8	55	+iP	21 34 31.4	-1.2							PS	21 43 52.0				
			S	21 42 00.0	1.1							LN	Ms=6.0	14.0	5.19		
			SMN	m _B =6.2		11.0	3.22		NJ2	60.7	59	+P	21 35 27.0	-1.8			
			SME			13.0	2.08		SSE	62.6	60	P	21 35 42.5	0.9			
			LN	Ms=5.9		13.0	4.13					S	21 44 08.0	0.7			
			LE			10.0	1.27					SMN		16.0	4.36		
GZH	55.1	69	P	21 34 50.0	0.6							ScS	21 45 32.0	2.5			
			PP	21 36 49.0	-4.5							SS	21 48 12.0	-1.6			
			S	21 42 23.0	-6.9							LN	Ms=6.4	20.0	9.29		
			SS	21 46 21.0	7.5							LE		20.0	13.8		
			LN	Ms=6.2		18.0	8.14		DL2	63.8	52	cP	21 35 49.0	-0.3			
			LE			17.0	8.55					cS	21 44 21.0	-2.1			
BTO	55.4	48	cP	21 34 51.3	-0.4							LN	Ms=6.2	14.0	1.80		
			cPP	21 36 57.0	0.9							LE		16.0	7.05		
			S	21 42 31.0	-2.8							SNY	65.7	49	-iP	21 36 01.4	0.0
			LN	Ms=6.4		20.0	7.20					PMZ	m _B =5.6	12.0	0.85		
			LE			20.0	19.4					S	21 44 42.0	-2.9			
TIY	56.5	52	+iP	21 34 58.4	-0.8							SMN		22.0	5.32		
			PMZ			1.0	0.17					ScS	21 45 50.0	-2.6			
			PP	21 37 08.0	2.5							LN	Ms=6.3	20.0	7.89		
			S	21 42 50.5	2.8							LE		20.0	8.07		
			SME	m _B =6.2		9.0	2.61		CN2	67.3	47	+P	21 36 11.0	-0.8			
			ScS	21 44 46.0	1.9							PMZ		3.0	1.00		

September, 1986

	eS	21 44 58.0	-7.9		
	SMN	$m_B = 6.3$	11.0	3.40	
	eSS	21 49 27.0	1.2		
	LN	$M_s = 6.2$	16.0	7.50	
MDJ	70.3 46 -P	21 36 30.5	-0.2		
	S	21 45 41.0	0.3		

O	= 05 07 31.3	$\pm 0.10s$		
LAT	= 30.85 N	$\pm 1.64km$		
LONG	= 130.42 E	$\pm 1.56km$		
DEPTH	= 154 km	$\pm 1.50km$		
STATIONS USED = 64, STAND DEV = 1.97s				
SSE	7.9 274 +P	05 09 22.0	-2.9	
	PMZ		1.1 0.040	

1986 9 17
 O = 23 10 55.1 $\pm 0.21s$
 LAT = 6.65 N $\pm 2.44km$
 LONG = 144.76 E $\pm 2.93km$
 DEPTH = 32 km $\pm 0.27km$
 STATIONS USED = 51, STAND DEV = 1.85s
 $M_s = 5.0 / 3,$

QZN	36.1 293 eP	23 17 57.5	1.1	
WHN	37.1 314 eP	23 18 08.0	3.0	
GYA	41.3 303 P	23 18 41.2	1.7	
	S	23 24 53.6	3.3	
BJI	42.0 327 eP	23 18 45.0	-0.2	
TIY	42.6 321 P	23 18 50.2	-0.5	
	S	23 25 07.0	-3.4	
	sS	23 25 26.0	-0.5	
	LN	$M_s = 5.0$	11.0	0.44
	LE		11.0	0.44
XAN	42.9 314 eP	23 18 51.5	-1.2	
KMI	44.1 299 eP	23 19 04.0	0.8	
HHC	45.1 324 eP	23 19 12.2	1.3	
CD2	45.3 308 eP	23 19 11.8	-0.6	
BTO	45.9 323 eP	23 19 16.5	-0.5	
LZH	47.5 314 eP	23 19 30.0	0.2	
	PMZ		2.5	0.12
GTA	51.9 316 P	23 20 02.0	-1.2	
LSA	55.3 302 P	23 20 28.4	-0.4	
WMQ	61.9 316 P	23 21 12.5	-2.3	
KSH	69.4 310 eP	23 22 05.0	2.1	

1986 9 18
 O = 00 12 03.3 $\pm 0.05s$
 LAT = 26.63 N $\pm 1.25km$
 LONG = 54.57 E $\pm 0.87km$
 DEPTH = 33 km $\pm 0.09km$
 STATIONS USED = 23, STAND DEV = 1.07s

KSH	22.0 49 eP	00 16 55.0	-1.6
WMQ	31.8 49 P	00 18 28.0	0.7
GTA	39.6 60 -iP	00 19 35.0	0.8
XAN	47.0 67 P	00 20 33.5	-0.5
HHC	48.7 58 eP	00 20 48.4	1.4
BJI	52.2 59 eP	00 21 13.5	-0.4

1986 9 18

NJ2	10.0 280 -P	05 09 50.5	-1.1
QZH	12.0 244 -iP	05 10 19.7	1.3
TIA	12.3 299 eP	05 10 22.5	0.0
CN2	13.5 344 +P	05 10 43.6	5.6
WHN	13.8 273 eP	05 10 41.5	-0.5
BJI	14.8 312 eP	05 10 56.5	2.5
	esP	05 11 37.0	2.1
	eS	05 13 40.0	5.9
TIY	16.4 300 +P	05 11 15.0	1.3
GZH	17.1 247 -P	05 11 23.0	0.9
HHC	18.2 308 eP	05 11 35.6	0.0
XAN	18.4 286 +P	05 11 35.8	-1.8
BTO	19.2 306 eP	05 11 45.0	-0.6
	eS	05 15 08.0	-2.3
GYA	21.3 264 +P	05 12 06.6	-0.4
	S	05 15 42.0	-6.7
QZN	22.0 242 eP	05 12 17.3	3.2
LZH	22.7 290 eP	05 12 20.5	-0.8
	PMZ		1.0 0.12
CD2	22.9 277 P	05 12 21.8	-0.6
	eS	05 16 24.4	7.2
KMI	25.1 264 +P	05 12 44.5	1.0
GTA	26.4 297 +P	05 12 53.4	-1.9
	PcP	05 16 17.0	0.1
WMQ	36.0 303 P	05 14 18.5	-0.9

1986 9 18
 O = 05 59 38.9 $\pm 0.15s$
 LAT = 20.15 S $\pm 2.55km$
 LONG = 169.03 E $\pm 2.30km$
 DEPTH = 52 km $\pm 2.04km$
 STATIONS USED = 53, STAND DEV = 1.58s

NJ2	70.7 316 -P	06 10 52.0	-0.1
WHN	72.8 313 eP	06 11 04.0	-0.6
MDJ	73.8 332 eP	06 11 02.7	-7.8
TIA	74.5 319 eP	06 11 14.6	0.2
CN2	75.1 329 +P	06 11 17.8	-0.3
BJI	77.5 321 eP	06 11 32.0	0.4
TIY	78.4 317 eP	06 11 36.0	-0.4
XAN	78.6 313 P	06 11 38.0	0.5
KMI	78.6 302 -P	06 11 39.5	1.8
CD2	80.6 308 eP	06 11 49.8	1.2
HHC	80.8 320 eP	06 11 50.4	1.0

BTO	81.6	319	eP	06 11 54.0	0.4
LZH	83.2	312	+P	06 12 03.0	1.0
			PMZ		1.5 0.050
GTA	87.6	314	P	06 12 22.4	-1.4
LSA	89.8	302	eP	06 12 33.6	-1.1
WMQ	97.7	314	P	06 13 11.0	0.7

1986 9 18

O=12 06 39.0 ± 0.18s
 LAT=37.65 N ± 1.81km
 LONG=101.34 E ± 1.68km
 DEPTH= 5 km ± 0.27km
 STATIONS USED = 9, STAND DEV= 4.21s

 $M_L=3.6/7,$

LZH	2.5	127	ePn	12 07 19.5	-1.9
			Pg	12 07 21.5	-2.4
			Sn	12 07 51.5	-2.9
			Sg	12 07 54.0	-4.7
			SMN	$M_L=3.8$	1.0 0.41
			SME		1.0 0.55
XAN	7.1	118	eP*	12 08 32.7	-5.3

1986 9 18

O=20 56 04.8 ± 0.07s
 LAT=61.80 N ± 0.61km
 LONG=149.84 W ± 0.56km
 DEPTH= 61 km ± 0.81km
 STATIONS USED = 59, STAND DEV= 0.65s

MDJ	47.8	288	-P	21 04 38.7	0.0
CN2	50.3	290	-P	21 04 57.6	-0.3
SNY	52.7	290	+iP	21 05 16.3	0.3
BJI	57.4	295	eP	21 05 50.0	-0.1
HHC	58.7	299	eP	21 05 59.2	0.0
BTO	59.6	300	eP	21 06 04.6	-0.5
TIY	61.0	296	+P	21 06 14.8	0.1
			PMZ		1.1 0.020
NJ2	62.9	288	+P	21 06 27.5	-0.1
GTA	64.6	306	-iP	21 06 38.9	-0.2
WMQ	65.0	318	P	21 06 41.0	-0.5
XAN	65.6	297	P	21 06 44.2	-0.9
LZH	65.9	302	-P	21 06 47.0	-0.5
			PMZ		1.0 0.060
WHN	66.2	290	eP	21 06 49.0	0.0
CD2	70.5	299	eP	21 07 15.0	-0.5
GYA	73.1	294	-P	21 07 31.4	0.0

1986 9 19

O=03 10 54.4 ± 0.06s
 LAT=46.40 N ± 0.87km
 LONG=111.10 E ± 0.85km

DEPTH= 5 km ± 0.88km
 STATIONS USED = 7, STAND DEV= 3.05s

 $M_L=3.8/5,$

HHC	5.6	176	ePn	03 12 18.2	0.1
			Pg	03 12 34.0	1.5
			S*	03 13 37.0	-0.1
			SMN	$M_L=4.1$	0.6 0.14
			SME		0.6 0.20
BTO	5.8	188	ePg	03 12 38.8	0.9 ^b
			eS*	03 13 47.9	2.4
			SMN	$M_L=3.7$	0.6 0.050
			SME		0.6 0.070
GTA	10.8	234	P	03 13 33.3	-0.1
			LG ₁	03 16 33.3	-1.0
			LN		1.1 0.011
			LE		0.8 0.010

1986 9 19

O=05 14 04.5 ± 0.13s
 LAT=43.03 N ± 1.45km
 LONG= 83.89 E ± 1.02km
 DEPTH= 18 km ± 0.36km
 STATIONS USED = 7, STAND DEV= 3.91s

 $M_L=3.6/4,$

WMQ	2.9	73	Pn	05 14 55.1	5.0
			Sg	05 15 34.5	-0.4
			SMN	$M_L=3.6$	0.4 0.25
GTA	12.5	101	P	05 17 02.0	-3.1
			LG ₁	05 20 39.3	1.5

1986 9 19

O=11 15 47.5 ± 1.47s
 LAT=34.45 N ± 6.39km
 LONG= 74.52 E ± 13.28km
 DEPTH= 50 km
 STATIONS USED = 7, STAND DEV= 4.74s

 $M_L=4.2/1,$

KSH	5.1	13	P	11 17 03.0	-1.1
			S	11 18 08.8	7.4
			SMN	$M_L=4.2$	0.3 0.20
			SME		0.2 0.30
WMQ	13.8	44	P	11 19 09.5	6.3
LSA	14.9	104	eP	11 19 15.6	-1.3
GTA	20.8	69	+P	11 20 28.0	0.7

1986 9 19

O=11 26 23.1 ± 0.29s
 LAT=46.48 N ± 2.59km
 LONG=111.29 E ± 1.13km
 DEPTH= 15 km

STATIONS USED = 8, STAND DEV = 4.46s
 $M_L = 3.9 / 5,$

HHC	5.6	178	+Pn	11 27 52.4	5.4		
			Pg	11 28 06.0	3.4		
			Sg	11 29 10.8	-8.8		
			SMN	$M_L = 4.2$	0.6	0.20	
			SME		0.6	0.23	
BTO	6.0	189	Pg	11 28 08.0	-0.5		
			cS *	11 29 13.3	-2.2		
			SMN	$M_L = 3.8$	0.6	0.070	
			SME		0.6	0.080	
BJI	7.4	149	cPn	11 28 10.5	0.0		
			Pg	11 28 36.5	3.5		
			cSn	11 29 29.0	-7.2		
			cSg	11 30 05.5	-8.1		
GTA	11.0	234	P	11 29 02.7	-0.6		

1986 9 19

O = 13 51 35.4 ± 0.09s

LAT = 22.70 S ± 1.03km

LONG = 179.66 W ± 0.31km

DEPTH = 594 km ± 1.31km

STATIONS USED = 28, STAND DEV = 0.93s

MDJ	81.4	326	cP	14 02 53.1	-0.1		
CN2	83.1	323	-P	14 03 01.8	0.2		
TIA	83.6	313	cP	14 03 04.5	0.3		
BJI	86.4	316	cP	14 03 18.0	0.6		
TIY	87.6	313	P	14 03 24.9	1.6		
XAN	88.2	308	-P	14 03 26.4	0.1		
KMI	89.0	298	+P	14 03 27.0	-2.9		

1986 9 19

O = 19 01 14.7 ± 0.12s

LAT = 2.91 S ± 2.02km

LONG = 139.66 E ± 2.52km

DEPTH = 36 km ± 0.22km

STATIONS USED = 55, STAND DEV = 1.51s

QZN	36.5	308	cP	19 08 18.3	-1.0		
NJ2	40.0	332	cP	19 08 48.5	0.5		
GYA	43.2	315	P	19 09 16.6	1.7		
KMI	45.4	310	-P	19 09 34.5	2.3		
XAN	46.8	324	cP	19 09 42.0	-1.1		
SNY	46.9	344	-P	19 09 45.0	1.3		
TIY	47.7	331	cP	19 09 51.5	1.5		
BJI	47.9	336	cP	19 09 52.0	0.4		
MDJ	48.2	350	cP	19 09 54.2	0.3		
CN2	48.2	346	cP	19 09 53.6	-0.8		
BTO	51.1	331	cP	19 10 16.8	0.4		
LZH	51.2	323	cP	19 10 16.0	-1.5		
GTA	55.8	323	P	19 10 51.6	0.3		

LSA	56.6	309	-P	19 10 55.4	-1.8		
WMQ	65.8	321	P	19 11 57.7	-1.2		

1986 9 19

O = 22 30 42.3 ± 0.13s

LAT = 2.92 S ± 1.68km

LONG = 139.48 E ± 1.63km

DEPTH = 48 km ± 0.57km

STATIONS USED = 32, STAND DEV = 1.70s

GYA	43.1	315	P	22 38 41.6	1.4		
XAN	46.7	325	cP	22 39 08.8	0.1		
CN2	48.2	346	cP	22 39 19.0	-1.4		
BTO	51.0	331	cP	22 39 41.8	-0.3		
LZH	51.1	323	cP	22 39 44.0	1.0		
GTA	55.7	323	+P	22 40 16.6	-0.2		
LSA	56.4	309	cP	22 40 21.4	-1.1		
WMQ	65.6	321	P	22 41 24.0	-0.5		

1986 9 20

O = 03 04 57.7 ± 0.12s

LAT = 36.40 N ± 1.48km

LONG = 140.45 E ± 2.26km

DEPTH = 75 km ± 1.59km

STATIONS USED = 63, STAND DEV = 1.84s

MDJ	11.6	318	+iP	03 07 46.5	3.5		
			S	03 09 46.0	-5.5		
CN2	13.6	307	cP	03 08 10.5	1.0		
SNY	14.2	298	+iP	03 08 18.7	2.4		
DL2	15.1	285	cP	03 08 32.6	4.0		
NJ2	18.4	263	-P	03 09 08.8	-0.1		
TIA	18.8	276	-P	03 09 13.2	-0.8		
BJI	19.4	288	cP	03 09 19.5	-1.1		
			csP	03 09 45.0	-0.1		
			(S)	03 12 48.0	-2.7		
TIY	22.4	282	cP	03 09 49.0	-2.0		
WHN	22.5	263	P	03 09 52.0	-0.2		
XAN	25.8	274	P	03 10 23.6	-0.4		
GZH	26.9	248	P	03 10 34.5	0.4		
LZH	29.4	280	cP	03 10 55.0	-1.9		
GYA	30.4	261	P	03 11 04.6	-0.5		
CD2	30.9	271	P	03 11 09.2	-0.7		
GTA	32.0	288	P	03 11 18.6	-1.1		
KMI	34.1	261	-P	03 11 38.0	0.1		
WMQ	40.4	297	+P	03 12 32.0	1.1		
LSA	41.5	275	cP	03 12 41.8	1.8		

1986 9 20

O = 10 05 00.4 ± 0.14s

LAT = 13.00 N ± 1.81km

LONG = 93.38 E ± 1.58km

DEPTH = 74 km ± 0.37km						
STATIONS USED = 51, STAND DEV = 1.59s						
KMI	14.9	35	-P	10 08 30.0	0.7	
QZN	16.9	67	cP	10 08 56.8	2.9	
GYA	18.3	41	P	10 09 11.0	0.0	
			pP	10 09 21.6	-4.3	
			S	10 12 30.4	1.8	
			SS	10 12 51.0	-3.9	
CD2	20.2	27	P	10 09 31.5	-0.7	
LZH	24.8	20	cP	10 10 17.5	-0.3	
			PMZ			1.5 0.14
XAN	25.3	31	cP	10 10 20.0	-1.7	
GTA	26.9	11	+iP	10 10 37.4	0.3	
			PMZ			1.4 0.11
			PcP	10 13 58.2	1.1	
			ScP	10 17 34.5	5.3	
			PcS	10 17 39.4	2.2	
			ScS	10 21 23.8	4.9	
NJ2	30.1	47	+P	10 11 06.2	0.9	
BTO	31.1	25	cP	10 11 13.4	-1.3	
TIA	31.5	39	cP	10 11 16.9	-0.6	
HHC	32.0	27	P	10 11 22.0	-0.3	
BJI	33.6	33	cP	10 11 35.5	-0.4	
SNY	38.9	37	-iP	10 12 21.0	0.2	
CN2	41.2	36	+P	10 12 39.5	-0.4	

1986 9 20

O = 12 24 02.7 ± 0.16s

LAT = 30.50 N ± 1.66km

LONG = 137.79 E ± 2.39km

DEPTH = 493 km ± 0.39km

STATIONS USED = 60, STAND DEV = 1.64s

MDJ	15.5	338	cP	12 27 18.3	-0.3	
DL2	15.7	307	P	12 27 20.0	-0.6	
SNY	16.1	319	+iP	12 27 24.7	0.3	
			S	12 30 11.0	3.9	
NJ2	16.3	280	+P	12 27 26.0	-0.2	
CN2	16.5	327	cP	12 27 24.2	-4.3	
TIA	18.2	294	cP	12 27 45.5	0.5	
BJI	20.0	304	cP	12 28 02.5	-0.1	
			esP	12 30 13.0	2.8	
WHN	20.2	276	cP	12 28 05.0	0.7	
TIY	22.1	296	P	12 28 23.0	0.3	
			S	12 31 49.5	-1.4	
GZH	23.0	257	-P	12 28 31.0	0.6	
HHC	23.6	303	cP	12 28 37.5	1.7	
XAN	24.6	286	-iP	12 28 44.6	-0.4	
BTO	24.6	302	cP	12 28 44.5	-0.8	
GYA	27.6	269	-P	12 29 11.0	-0.5	
			sP	12 31 33.0	2.0	

			PcP	12 32 14.0	0.7	
			S	12 33 17.8	0.0	
QZN	27.7	252	P	12 29 13.8	1.2	
LZH	28.8	290	cP	12 29 21.0	-1.2	
CD2	29.2	280	P	12 29 24.6	-0.7	
			PMZ			0.4 0.090
LSA	40.1	281	cP	12 30 57.0	-0.1	

1986 9 20

O = 13 48 16.3 ± 0.06s

LAT = 42.18 N ± 0.67km

LONG = 91.56 E ± 0.48km

DEPTH = 2 km ± 0.38km

STATIONS USED = 6, STAND DEV = 2.56s

M _L = 3.7 / 4,						
WMQ	3.3	301	Pn	13 49 10.4	1.3	
			Sg	13 49 54.7	-4.3	
			SMN		M _L = 3.6	0.6 0.19
GTA	6.8	111	Pn	13 49 58.8	0.7	
			Pg	13 50 22.5	5.4	
			Sn	13 51 25.5	6.6	
			Sg	13 51 49.0	-1.6	
			SMN		M _L = 3.6	0.6 0.040
			SME			0.8 0.020

1986 9 20

O = 19 00 10.9 ± 0.18s

LAT = 24.47 N ± 2.07km

LONG = 122.80 E ± 1.69km

DEPTH = 126 km ± 1.29km

STATIONS USED = 40, STAND DEV = 2.62s

M _L = 3.6 / 4,						
QZH	3.9	278	cP	19 01 06.0	-3.8	
			cS	19 02 04.5	10.0	
			SMN		M _L = 4.1	1.2 0.40
NJ2	8.3	336	cP	19 02 08.6	-1.4	
			LN			1.2 0.060
GYA	14.7	281	cP	19 03 37.0	2.9	
XAN	15.4	311	cP	19 03 46.0	3.3	
TIY	15.9	329	cP	19 03 52.2	3.3	
			LN			13.0 0.71
			LE			13.0 0.62
BJI	16.5	342	cP	19 03 57.0	0.7	
SNY	17.3	2	+P	19 04 10.9	4.5	
CD2	18.0	295	cP	19 04 16.5	1.6	
HHC	18.8	333	-P	19 04 25.0	1.1	
BTO	19.3	329	cP	19 04 29.2	0.3	
CN2	19.4	6	-P	19 04 27.0	-2.7	
LZH	20.0	310	cP	19 04 37.5	1.3	
			PMZ			2.0 0.090

	LN		Ms = 5.0	16.0	0.23				
	LE			16.0	0.90				
GTA	46.8	308	P	12 26 32.7	-0.6				
	ePP			12 28 20.0	-2.5				
	PeS			12 31 57.7	-1.0				
	LE		Ms = 5.1	18.0	1.08				
LSA	52.7	295	-P	12 27 18.2	-0.4				
	LE		Ms = 4.8	10.0	0.30				
WMQ	56.6	312	P	12 27 46.3	-0.5				
	PMZ					2.0	0.20		
	S			12 35 37.5	5.9				
	ScS			12 37 32.5	6.0				
	LN		Ms = 5.1	20.0	1.00				
KSH	65.1	306	P	12 28 47.2	2.5				
	eS			12 37 26.2	4.3				
1986 9 21									
O = 13 22 58.1 ± 0.04s									
LAT = 16.99 N ± 0.76km									
LONG = 147.40 E ± 1.23km									
DEPTH = 58 km ± 0.49km									
STATIONS USED = 12, STAND DEV = 1.22s									
GYA	38.9	291	eP	13 30 20.6	0.7				
GTA	46.9	308	P	13 31 24.4	-0.6				
WMQ	56.6	312	eP	13 32 38.0	-0.4				
1986 9 21									
O = 18 38 43.8 ± 0.15s									
LAT = 19.13 S ± 2.20km									
LONG = 172.78 W ± 3.34km									
DEPTH = 29 km ± 0.31km									
STATIONS USED = 22, STAND DEV = 1.72s									
CN2	84.3	320	eP	18 51 15.5	0.3				
TIA	86.1	310	eP	18 51 20.0	-3.8				
BJI	88.4	313	eP	18 51 36.5	1.1				
TIY	90.1	310	eP	18 51 45.0	1.7				
GYA	90.3	298	eP	18 51 45.8	1.5				
XAN	91.3	306	eP	18 51 50.0	1.2				
1986 9 21									
O = 23 38 16.6 ± 0.07s									
LAT = 53.00 N ± 2.06km									
LONG = 159.90 E ± 1.18km									
DEPTH = 47 km ± 0.14km									
STATIONS USED = 34, STAND DEV = 1.11s									
MDJ	21.5	259	+P	23 43 03.7	-0.1				
GTA	42.5	276	-iP	23 46 10.2	0.6				
WMQ	46.9	289	+iP	23 46 45.0	0.3				
GYA	47.4	257	P	23 46 48.0	-0.5				
LSA	54.3	273	eP	23 47 40.0	-1.6				
1986 9 22									
O = 01 32 00.8 ± 0.14s									
LAT = 38.63 N ± 2.08km									
LONG = 105.76 E ± 1.02km									
DEPTH = 11 km ± 0.54km									
STATIONS USED = 10, STAND DEV = 3.85s									
M _L = 3.3 / 6,									
LZH	3.0	212	Pn	01 32 51.5	3.2				
			PMZ			1.0	0.060		
			Sn	01 33 29.5	3.9				
			SMN		M _L = 3.3	1.5	0.13		
			SME			1.0	0.12		
BTO	3.8	58	ePg	01 33 05.8	-2.8				
			Sg	01 33 55.0	-5.8				
			SMN		M _L = 3.0	0.5	0.040		
			SME			0.5	0.030		
GTA	4.7	281	P*	01 33 21.0	1.4				
			Sg	01 34 20.6	-7.5				
			SMN		M _L = 3.1	0.6	0.036		
			SME			0.7	0.024		
HHC	5.0	62	Pg	01 33 34.0	4.9				
			Sg	01 34 36.0	-1.2				
			SMN		M _L = 3.5	0.6	0.070		
			SME			0.6	0.060		
TIY	5.3	98	+Pg	01 33 34.8	-0.4				
			Sg	01 34 42.7	-5.2				
			SMN		M _L = 3.2	0.8	0.020		
			SME			0.8	0.030		
1986 9 22									
O = 02 17 57.9 ± 0.17s									
LAT = 25.10 N ± 2.14km									
LONG = 123.71 E ± 2.42km									
DEPTH = 33 km ± 0.60km									
STATIONS USED = 78, STAND DEV = 2.42s									
Ms = 5.0 / 36, M _L = 4.6 / 4, m _B = 5.4 / 6									
QZH	4.6	269	eP	02 19 02.0	-5.5				
			S	02 20 07.5	6.7				
			LN		Ms = 4.6	12.0	12.3		
SSE	6.4	340	eP	02 19 29.0	-2.9				
			S	02 20 53.0	8.8				
			LG ₂	02 21 29.0	0.9				
			LE		Ms = 4.8	11.0	9.12		
NJ2	8.1	329	eP	02 19 51.0	-5.5				
			S	02 21 21.4	-6.6				
			LN		Ms = 4.1	9.0	1.10		
GZH	9.7	260	eP	02 20 16.0	-1.9				
			S	02 22 02.5	-3.9				
			LN		Ms = 5.1	11.0	9.56		



WHN	9.1	15	eP	20 17 28.0	-2.6		
			eS	20 19 15.0	1.6		
			LN			0.9	0.080
			LE			0.8	0.11
CD2	11.5	324	eP	20 18 00.8	-3.2		
			LG ₁	20 21 24.8	6.7		
GTA	20.3	333	P	20 19 57.1	1.9		

1986 9 22

O=21 26 17.4 ± 0.13s

LAT=21.81 N ± 1.20km

LONG=111.60 E ± 1.03km

DEPTH= 6 km ± 0.35km

STATIONS USED = 6, STAND DEV = 3.73s

M_L=3.4 / 4,

GZH	2.1	51	Pn	21 26 49.2	-3.5		
			-iPg	21 26 54.3	0.7		
			Sg	21 27 19.3	-2.4		
			SMN			M _L =3.5	0.6 0.37
			SME				0.6 0.35
QZN	3.2	211	Pn	21 27 10.0	1.2		
			iPg	21 27 18.0	3.7		
			Sn	21 27 47.0	-2.5		
			Sg	21 28 00.6	2.3		
			SMN			M _L =3.3	0.4 0.10
			SME				0.6 0.10

1986 9 23

O=02 30 19.9 ± 0.22s

LAT=22.66 N ± 1.51km

LONG=121.81 E ± 1.69km

DEPTH= 7 km ± 0.31km

STATIONS USED = 12, STAND DEV = 1.98s

M_L=3.9 / 6,

QZH	3.7	308	ePn	02 31 19.0	0.9		
			Sn	02 31 58.7	-5.5		
			SMN			M _L =3.6	0.2 0.19
			SME				0.2 0.13
GZH	7.8	275	+Pn	02 32 16.2	1.8		
			LN				1.0 0.050
GYA	14.3	288	P	02 33 45.8	0.6		

1986 9 23

O=05 56 19.1 ± 0.12s

LAT= 7.40 S ± 1.31km

LONG=128.67 E ± 2.16km

DEPTH=135 km ± 0.35km

STATIONS USED = 77, STAND DEV = 0.99s

QZN	32.2	325	eP	06 02 36.4	-0.1		
QZH	33.6	343	eP	06 02 48.5	-0.4		

GZH	33.8	334	eP	06 02 49.8	-0.8		
SSE	38.9	350	P	06 03 34.5	0.7		
GYA	39.9	328	+P	06 03 42.2	0.7		
			PcP	06 05 45.2	0.6		
			S	06 09 33.0	-2.0		
WHN	40.2	341	+P	06 03 44.5	0.7		
			eS	06 09 36.0	-4.3		
NJ2	40.3	347	+P	06 03 46.0	0.7		
			ScP	06 09 21.0	-0.2		
KMI	41.0	323	+P	06 03 52.5	1.3		
TIA	44.7	347	eP	06 04 19.8	-1.1		
			LN			11.0	0.28
			LE			12.0	0.96
CD2	45.0	329	eP	06 04 22.3	-0.5		
			PMZ			1.0	0.11
			S	06 10 43.6	-5.7		
XAN	45.3	337	+iP	06 04 24.4	-0.9		
			PMZ			0.8	0.17
			pP	06 04 58.5	3.1		
			ScP	06 09 39.2	-1.8		
			S	06 10 49.0	-4.8		
TIY	47.4	342	eP	06 04 41.0	-0.9		
			PMZ			0.8	0.040
BJI	48.6	347	eP	06 04 51.0	-0.3		
			PcP	06 06 14.5	-0.1		
LZH	49.2	333	+iP	06 04 56.0	0.2		
			PMZ			1.2	0.22
			S	06 11 46.5	-2.1		
			SME			2.0	0.13
SNY	49.2	355	eP	06 04 55.6	-0.4		
HHC	50.5	343	e(P)	06 05 06.0	-0.2		
BTO	50.8	342	eP	06 05 05.9	-2.1		
LSA	51.6	317	+P	06 05 13.6	-1.0		
GTA	53.7	332	+iP	06 05 29.8	-0.1		
			PMZ			1.5	0.30
			ScP	06 10 16.0	-0.8		
			S	06 12 45.2	-5.5		
WMQ	63.0	328	+iP	06 06 34.1	-0.6		
			PMZ			1.5	0.020
			ScP	06 10 53.0	-4.9		
			S	06 14 51.2	-0.4		
			SMN			3.0	0.15
			ScS	06 16 08.0	-1.4		
KSH	67.4	318	P	06 07 04.0	1.2		
			eS	06 15 38.0	-8.6		

1986 9 23

O=10 51 04.8 ± 0.03s

LAT=10.17 S ± 0.42km

LONG=154.16 E ± 0.35km

September, 1986

DEPTH = 31 km ± 0.08km
 STATIONS USED = 11, STAND DEV = 0.54s

KMI	61.2	306	cP	11 01 20.0	0.6		
LZH	66.0	317	cP	11 01 51.5	0.1		
			PMZ			1.5	0.020
GTA	70.5	318	P	11 02 19.0	-0.3		
WMQ	80.6	318	P	11 03 17.0	0.2		

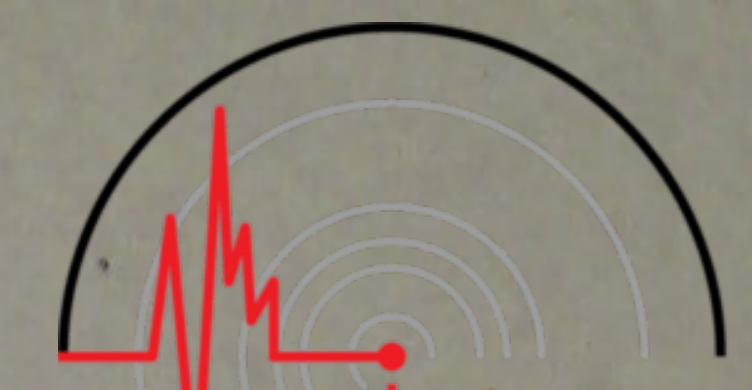
1986 9 23
 O = 11 41 50.3 ± 0.11s
 LAT = 56.59 N ± 3.18km
 LONG = 164.08 E ± 1.37km
 DEPTH = 31 km ± 0.26km
 STATIONS USED = 65, STAND DEV = 1.45s
 Ms = 5.4 / 19,

MDJ	24.7	256	cP	11 47 10.5	0.5		
			sP	11 47 19.6	-2.8		
			S	11 51 20.0	-6.4		
			SS	11 52 20.0	-3.2		
CN2	27.4	259	cP	11 47 35.0	-0.8		
			sP	11 47 46.0	-2.4		
			LN	Ms = 5.0		17.0	2.30
DL2	32.9	256	cP	11 48 23.0	-1.4		
			eS	11 53 39.0	-0.3		
			LN	Ms = 5.4		14.0	2.25
			LE			14.0	2.73
BJI	35.1	263	cP	11 48 42.0	-0.9		
			PcP	11 51 13.5	-0.5		
			(S)	11 54 11.0	-1.7		
			LN	Ms = 5.5		16.0	3.70
			LE			15.0	2.22
HHC	37.0	268	cP	11 49 00.0	0.2		
			eS	11 54 43.0	-0.6		
			LN	Ms = 5.4		13.0	1.74
			LE			13.0	2.11
BTO	38.1	269	cP	11 49 08.0	-0.4		
			sP	11 49 18.0	-3.1		
			ePP	11 50 37.0	-1.4		
			eS	11 54 57.0	-2.2		
			LN	Ms = 5.6		13.0	1.80
			LE			13.0	3.20
TIY	38.8	263	cP	11 49 16.0	1.8		
			(S)	11 55 06.5	-3.2		
			LN	Ms = 5.4		15.0	2.41
			LE			14.5	0.87
WHN	43.1	254	cP	11 49 50.0	-0.1		
			eS	11 56 10.0	-4.3		
			LE	Ms = 5.4		18.0	2.64
XAN	43.4	263	cP	11 49 54.0	1.7		
			LN	Ms = 5.5		13.0	2.33

			LE			12.0	0.76
GTA	44.5	276	-iP	11 50 01.2	-0.4		
			sP	11 50 09.6	-4.6		
			PcP	11 51 53.2	9.0		
			LN	Ms = 5.2		13.0	1.27
LZH	44.7	269	cP	11 50 03.5	0.7		
			PMZ			1.5	0.070
WMQ	48.0	289	P	11 50 29.2	0.2		
			sP	11 50 38.0	-3.7		
			PcP	11 51 54.0	-2.4		
			S	11 57 28.0	4.8		
			LE	Ms = 5.3		12.0	1.29
CD2	48.6	265	cP	11 50 32.6	-1.0		
			eS	11 57 30.0	-2.8		
			SS	12 01 02.0	4.9		
			LN	Ms = 5.5		15.0	2.36
GYA	50.5	258	P	11 50 48.0	-0.1		
KMI	53.7	261	cP	11 51 12.0	-0.2		
			pP	11 51 22.5	1.4		
			S	11 58 48.0	6.5		
			LN	Ms = 5.7		20.0	4.60
QZN	54.8	250	cP	11 51 20.4	-0.1		
			eS	11 59 00.0	1.8		
			LN	Ms = 5.1		12.0	0.40
			LE			13.0	0.50
LSA	56.5	274	cP	11 51 32.4	-0.5		
KSH	57.2	293	cP	11 51 38.0	0.3		
			sP	11 51 48.0	-2.5		
			eS	11 59 32.0	1.9		
			csS	11 59 47.0	2.1		
			LE			1.2	2.00

1986 9 23
 O = 13 30 14.7 ± 0.11s
 LAT = 16.61 S ± 1.41km
 LONG = 167.35 E ± 2.30km
 DEPTH = 19 km ± 0.32km
 STATIONS USED = 85, STAND DEV = 1.11s
 Ms = 5.7 / 36, m_B = 5.9 / 22

QZH	63.0	310	+P	13 40 43.0	-0.1		
			pP	13 40 49.5	-0.7		
			S	13 49 09.5	-0.3		
			sS	13 49 20.0	-2.7		
			ScS	13 50 24.0	-6.2		
			SS	13 53 12.0	-5.2		
			SME	m _B = 6.0		12.0	2.18
			LN	Ms = 5.3		16.0	0.97
SSE	64.9	317	+P	13 40 55.0	-1.0		
			PMZ	m _B = 5.7		10.0	0.96
			pP	13 41 01.0	-2.2		



		ePP	13 43 22.0	1.9		GYA	72.9	305	P	13 41 44.8	-0.4			
		iS	13 49 35.0	-0.5					pP	13 41 52.0	0.0			
		SME	$m_B = 5.7$	10.0	0.89				sP	13 41 55.0	-0.1			
		sS	13 49 44.0	-3.3					PcP	13 42 05.0	3.6			
		ScS	13 50 45.0	-0.2					S	13 51 10.0	2.0			
		SS	13 53 44.0	-3.9					sS	13 51 20.0	-1.1			
		LN	$M_s = 5.9$	19.0	1.19				LE	$M_s = 5.5$	18.0	1.50		
		LE		19.0	4.01	BJI	73.8	321	cP	13 41 51.0	0.6			
GZH	65.9	305	eP	13 41 03.0	0.7				cpP	13 41 57.0	-0.4			
			S	13 49 49.0	2.7				eS	13 51 15.0	-4.9			
			SMN	$m_B = 6.2$	9.0	1.54			SME	$m_B = 6.0$	8.0	1.14		
			SME		9.0	1.45			LE	$M_s = 5.7$	20.0	2.75		
			LN	$M_s = 5.7$	30.0	3.52	TIY	74.7	318	cP	13 41 56.2	0.3		
			LE		28.0	2.51			PMZ		1.4	0.12		
QZN	66.7	300	eP	13 41 08.4	0.9				pP	13 42 03.5	0.8			
			S	13 49 58.0	1.9				S	13 51 33.0	4.3			
			SMN	$m_B = 6.0$	10.0	1.10			SMN	$m_B = 5.9$	7.5	0.68		
			SME		10.0	1.00			SME		9.0	0.50		
			LE	$M_s = 5.6$	22.0	2.50			LN	$M_s = 5.6$	18.0	1.63		
NJ2	67.1	316	+P	13 41 09.5	-0.2				LE		16.0	0.90		
			S	13 49 58.0	-2.4				XAN	75.0	313	+iP	13 41 57.4	-0.3
			LN	$M_s = 5.9$	19.0	4.70			pP	13 42 04.0	-0.6			
WHN	69.3	313	eP	13 41 23.0	-0.4				S	13 51 32.0	-0.3			
			pP	13 41 29.0	-1.4				LN	$M_s = 5.7$	18.0	1.99		
			eS	13 50 26.0	-1.7				KMI	75.4	302	+P	13 42 01.0	1.1
			sS	13 50 39.0	-0.5				pP	13 42 08.0	1.4			
			LN	$M_s = 5.7$	18.0	2.64			sP	13 42 12.0	2.3			
DL2	69.8	323	P	13 41 28.4	1.5				PP	13 44 56.0	6.3			
			S	13 50 37.0	3.7				S	13 51 40.0	3.8			
			LN	$M_s = 5.6$	18.0	1.77			sS	13 51 53.0	3.8			
MDJ	70.0	332	eP	13 41 26.5	-1.2				LN	$M_s = 5.7$	18.0	2.00		
			sP	13 41 34.3	-3.6				HHC	77.1	320	+P	13 42 10.8	1.4
			S	13 50 29.0	-5.8				S	13 51 58.0	3.3			
			ScS	13 51 21.5	-2.8				ScS	13 52 30.0	9.1			
TIA	70.8	319	eP	13 41 32.8	0.0				LN	$M_s = 5.8$	20.0	1.63		
			S	13 50 41.0	-3.4				LE		25.0	3.09		
			SME	$m_B = 5.9$	10.0	1.19	CD2	77.2	308	cP	13 42 10.2	0.0		
			LE	$M_s = 5.6$	19.0	2.26			PP	13 45 09.0	4.5			
SNY	70.8	327	eP	13 41 32.7	-0.1				S	13 51 59.6	3.2			
			pP	13 41 40.5	0.7				sS	13 52 12.6	3.0			
			eS	13 50 44.0	-2.0				ScS	13 52 24.0	1.9			
			SS	13 55 22.0	3.1				PS	13 52 50.0				
			LN	$M_s = 6.0$	20.0	5.46			LN	$M_s = 5.7$	28.0	3.07		
			LE		20.0	1.49	BTO	77.9	319	+P	13 42 15.5	1.5		
CN2	71.3	329	+P	13 41 35.5	-0.3				pP	13 42 21.5	0.7			
			pP	13 41 40.5	-2.2				PP	13 45 13.0	2.4			
			ePP	13 44 11.2	-3.9				S	13 52 07.0	3.4			
			eS	13 50 48.0	-3.6				SKS	13 52 21.0	0.5			
			eSS	13 55 20.0	-6.3				LN	$M_s = 5.7$	18.0	1.90		
			LN	$M_s = 6.1$	22.0	6.80			LE		17.0	0.70		

September, 1986

TIA	72.3	315	+P	14 30 04.1	-0.1		
BJI	75.0	318	eP	14 30 19.0	-0.3		
GYA	75.8	302	+P	14 30 23.8	0.2		
TIY	76.3	315	+iP	14 30 27.0	0.4		
			PMZ			0.9	3.01
			S	14 39 29.5	7.6		
HHC	78.5	317	e(P)	14 30 39.0	1.0		
BTO	79.4	316	eP	14 30 43.0	0.3		
CD2	79.9	305	eP	14 30 45.5	0.3		
LZH	81.8	310	+P	14 30 56.5	1.2		
			PMZ			1.5	0.070
GTA	86.0	312	+iP	14 31 16.3	0.4		
			sP	14 34 28.5	1.2		
			ScS	14 41 01.2	-1.4		
LSA	89.8	301	eP	14 31 33.1	-0.7		
WMQ	96.0	313	P	14 32 01.4	-0.2		

1986 9 24

O=15 00 23.7 ± 0.13s
 LAT=39.77 N ± 1.35km
 LONG=118.21 E ± 1.28km
 DEPTH= 9 km ± 0.69km
 STATIONS USED = 12, STAND DEV = 3.72s

M_L=3.3/10,

BJI	1.6	280	ePg	15 00 51.0	-0.7		
			Sg	15 01 15.5	2.1		
			SMN	M _L =3.4		0.5	0.46
			SME			0.5	0.37
DL2	2.8	107	ePn	15 01 15.0	6.1		
TIA	3.7	194	ePn	15 01 17.5	-3.3		
			Pg	15 01 26.1	-2.1		
			Sn	15 01 57.2	-8.8		
			Sg	15 02 14.2	-4.0		
			SMN	M _L =2.9		0.4	0.029
			SME			0.4	0.034
SNY	4.6	62	ePg	15 01 44.0	-0.3		
			Sg	15 02 43.0	-3.7		
			SMN	M _L =3.5		0.9	0.080
			SME			0.7	0.070
TIY	5.0	247	ePn	15 01 45.3	6.5		
			ePg	15 01 53.1	1.9		
			Sg	15 02 55.0	-4.0		
			SMN	M _L =3.2		0.8	0.020
			SME			0.8	0.040
CN2	6.7	51	ePg	15 02 22.6	-0.2		
			eSg	15 03 54.2	-0.7		
			SMN	M _L =3.7		1.0	0.030
			SME			1.0	0.040

1986 9 24

O=15 26 46.2 ± 0.13s
 LAT=55.93 S ± 2.45km
 LONG= 26.68 W ± 3.67km
 DEPTH= 34 km ± 0.47km
 STATIONS USED = 18, STAND DEV = 2.90s

GTA	141.4	92	PKP	15 46 16.5	1.4		
XAN	142.6	107	ePKP	15 46 12.5	-4.5		
NJ2	146.2	120	+PKP	15 46 23.4	0.4		
TIY	147.2	106	ePKP	15 46 26.4	1.4		
TIA	148.6	114	ePKP	15 46 29.2	2.1		
BJI	150.9	107	ePKP	15 46 35.0	4.3		

1986 9 24

O=16 13 33.2 ± 0.08s
 LAT=11.66 S ± 0.80km
 LONG=117.25 E ± 1.50km
 DEPTH= 37 km ± 0.32km

STATIONS USED = 31, STAND DEV = 0.94s

GYA	39.3	345	P	16 21 01.0	0.5		
WHN	42.0	356	eP	16 21 24.0	0.6		
CD2	44.3	343	eP	16 21 41.3	-0.2		
XAN	46.1	350	P	16 21 55.6	-0.8		
LSA	48.2	329	-P	16 22 13.2	0.1		
LZH	49.1	346	eP	16 22 20.0	-0.1		
			PMZ			1.0	0.020
TIY	49.3	355	eP	16 22 20.5	-0.8		
BJI	51.4	359	eP	16 22 37.0	-0.4		
			esP	16 22 51.5	-0.2		
GTA	53.3	343	-iP	16 22 51.8	0.1		
MDJ	57.1	10	eP	16 23 17.4	-1.6		
WMQ	61.4	336	P	16 23 48.8	-0.1		

1986 9 24

O=16 18 17.9 ± 0.18s
 LAT=58.43 S ± 3.56km
 LONG= 23.13 W ± 3.79km
 DEPTH= 32 km ± 0.70km

STATIONS USED = 19, STAND DEV = 3.42s

GTA	139.4	92	ePKP	16 37 34.2	-9.1		
XAN	140.0	106	ePKP	16 37 44.0	-0.4		
TIY	144.7	106	PKP	16 37 51.0	-1.5		
TIA	145.8	113	PKP	16 37 55.2	0.8		
BJI	148.3	108	ePKP	16 38 02.0	3.5		

1986 9 24

O=17 53 52.3 ± 0.03s
 LAT= 0.65 N ± 0.52km
 LONG=120.80 E ± 0.37km
 DEPTH= 72 km ± 0.38km

STATIONS USED = 16, STAND DEV = 0.56s

GYA	29.0	333	P	17 59 48.0	-0.3
CD2	34.2	333	eP	18 00 32.1	-0.9
XAN	35.0	343	eP	18 00 39.8	-0.6
BJI	39.4	354	eP	18 01 17.0	-0.2
LSA	40.4	318	+P	18 01 26.0	0.3
GTA	43.1	336	P	18 01 47.8	0.3
WMQ	52.1	330	P	18 02 58.1	0.2

1986 9 25

O=00 55 39.8 ± 0.11s
 LAT=14.85 S ± 0.96km
 LONG=171.60 E ± 1.36km
 DEPTH=631 km ± 0.94km

STATIONS USED = 29, STAND DEV = 1.07s

MDJ	70.4	330	eP	01 05 54.6	0.0
CN2	72.0	327	eP	01 06 03.6	0.1
GYA	75.3	303	eP	01 06 22.6	0.5
XAN	76.9	311	eP	01 06 31.0	0.1
GTA	85.8	312	P	01 07 17.6	1.4

1986 9 25

O=11 04 59.3 ± 0.16s
 LAT= 2.87 S ± 2.28km
 LONG=139.70 E ± 2.17km
 DEPTH= 32 km ± 0.42km

STATIONS USED = 44, STAND DEV = 2.21s

SSE	38.1	334	P	11 12 18.0	0.6
NJ2	40.0	332	+P	11 12 34.0	1.1
WHN	41.1	326	eP	11 12 50.0	7.7
GYA	43.2	314	P	11 13 00.6	0.7
XAN	46.8	324	eP	11 13 26.8	-1.3
BJI	47.8	336	eP	11 13 36.0	-0.5
CD2	48.0	317	eP	11 13 36.9	-0.6
MDJ	48.1	350	eP	11 13 38.5	-0.2
CN2	48.2	346	+P	11 13 38.8	-0.4
HHC	50.5	332	eP	11 13 58.0	0.7
BTO	51.1	331	eP	11 14 01.0	-0.3
LZH	51.2	322	eP	11 14 06.5	4.0
GTA	55.8	323	P	11 14 35.8	-0.5
WMQ	65.8	321	eP	11 15 39.0	-5.0

1986 9 25

O=11 09 51.3 ± 0.10s
 LAT=11.09 S ± 0.90km
 LONG=164.50 E ± 1.34km
 DEPTH= 39 km ± 0.70km

STATIONS USED = 26, STAND DEV = 0.90s

NJ2	61.2	316	+P	11 20 04.6	-0.5
WHN	63.5	312	eP	11 20 19.5	-1.0
MDJ	63.8	333	eP	11 20 22.7	0.1

CN2	65.2	330	eP	11 20 30.6	-0.6
XAN	69.2	313	P	11 20 56.4	-0.7
KMI	70.1	302	eP	11 21 03.5	1.0
CD2	71.7	308	eP	11 21 10.0	-1.7
GTA	78.2	314	P	11 21 49.9	0.4
WMQ	88.3	315	P	11 22 40.5	-0.3

1986 9 25

O=14 29 41.9 ± 0.11s
 LAT=20.46 S ± 1.26km
 LONG=177.82 W ± 1.62km
 DEPTH=540 km ± 1.42km

STATIONS USED = 28, STAND DEV = 1.36s

MDJ	80.6	325	eP	14 41 00.0	0.0
CN2	82.4	322	eP	14 41 08.6	-0.4
WHN	82.6	306	eP	14 41 10.0	0.0
BJI	86.0	315	eP	14 41 26.5	-0.3
GYA	86.8	300	P	14 41 31.4	0.7
TIY	87.4	312	eP	14 41 34.2	0.8
XAN	88.2	307	-P	14 41 38.0	0.5

1986 9 25

O=16 22 36.6 ± 0.06s
 LAT=37.80 N ± 0.58km
 LONG=102.35 E ± 0.61km
 DEPTH= 13 km ± 0.14km

STATIONS USED = 7, STAND DEV = 2.68s

$M_L = 3.3 / 5,$

LZH	2.1	145	+Pg	16 23 12.5	-1.3
			Sg	16 23 40.0	-2.1
			SMN	$M_L = 3.3$	1.0 0.30
			SME		1.4 0.18
GTA	2.6	310	Pn	16 23 20.6	2.2
			Pg	16 23 21.6	-0.2
			Sg	16 23 54.4	-2.4
			SMN	$M_L = 3.1$	0.7 0.097
			SME		0.7 0.084

1986 9 25

O=20 06 11.7 ± 0.12s
 LAT= 3.69 N ± 1.69km
 LONG=126.73 E ± 2.26km
 DEPTH= 43 km ± 0.70km

STATIONS USED = 94, STAND DEV = 1.46s

$M_s = 5.7 / 44,$ $m_B = 5.7 / 14$

QZN	22.5	314	P	20 11 07.0	-1.7
			PP	20 11 40.0	3.8
			S	20 15 13.0	6.1
			SMN	$m_B = 5.7$	10.0 1.80
			SME		11.0 1.90

			LN	Ms=5.6	13.0	7.70	CD2	34.7	324	eP	20 12 58.6	-1.2			
			LE		11.0	4.20				eS	20 18 28.0	2.3			
QZH	22.5	340	+iP	20 11 08.5	-0.9					LN	Ms=5.7	14.0	6.07		
			S	20 15 06.0	-2.1		DL2	35.4	353	-iP	20 13 07.0	1.4			
			SS	20 15 44.0	-7.2					PMZ	m _B =6.2	4.0	1.83		
			LN	Ms=5.7	19.0	17.7				pP	20 13 17.0	0.4			
GZH	23.2	327	+iP	20 11 16.5	0.3					sP	20 13 21.0	-0.3			
			sP	20 11 29.0	-2.6					S	20 18 37.0	1.7			
			S	20 15 16.5	-4.0					LN	Ms=5.7	20.0	3.63		
			LN	Ms=5.4	15.0	6.86				LE		20.0	7.37		
			LE		14.0	1.88	TIY	36.3	341	+P	20 13 13.5	-0.2			
SSE	27.8	350	+iP	20 11 59.0	0.1					PMZ		0.8	0.090		
			PMZ		1.3	0.17				PP	20 14 34.0	-2.6			
			pP	20 12 09.2	-0.4					PPMZ		15.0	1.33		
			ePP	20 12 49.0	1.3					S	20 18 50.0	0.2			
			PcP	20 15 14.0	-0.2					LN	Ms=5.8	18.5	5.47		
			sS	20 16 54.0	-1.2					LE		18.0	6.61		
			SS	20 18 00.0	2.4		BJI	37.4	347	eP	20 13 23.0	0.0			
			LN	Ms=5.4	18.0	5.59				eS	20 19 09.0	1.1			
WHN	29.2	338	P	20 12 11.5	0.1					SME	m _B =5.3	11.0	0.64		
			S	20 17 03.0	4.6					LN	Ms=5.4	18.0	3.45		
			SMN	m _B =5.5	10.0	1.10	SNY	38.1	356	+iP	20 13 29.5	1.1			
			LN	Ms=5.9	20.0	11.8				PMZ	m _B =6.1	6.0	2.13		
			LE		20.0	16.6				pP	20 13 38.0	-1.6			
NJ2	29.2	346	+iP	20 12 11.5	0.0					S	20 19 20.0	3.2			
			iS	20 17 02.5	3.2					SMN	m _B =6.1	6.0	1.37		
			LN	Ms=5.4	15.0	4.10				SME		4.0	1.19		
GYA	29.7	322	P	20 12 16.0	-0.4					LN	Ms=5.6	29.0	5.04		
			PP	20 13 11.6	-1.3					LE		30.0	6.80		
			PcP	20 15 23.4	4.3		LZH	38.5	330	+iP	20 13 33.0	0.5			
			S	20 17 09.2	2.2					PMZ		1.0	0.32		
			LN	Ms=5.8	18.0	10.4				eS	20 19 23.0	-2.2			
			LE		18.0	5.40				LN	Ms=6.0	20.0	12.5		
KMI	31.4	315	+P	20 12 31.5	-0.2					LE		20.0	8.90		
			pP	20 12 41.0	-1.2					HHC	39.4	342	+P	20 13 40.0	0.1
			PP	20 13 36.0	0.9					S	20 19 38.0	0.6			
			S	20 17 34.0	0.2					LN	Ms=5.7	20.0	5.54		
			LN	Ms=5.6	18.0	6.80				LE		17.0	3.65		
TIA	33.6	346	+P	20 12 49.7	-0.4		BTO	39.7	340	eP	20 13 42.0	-0.2			
			ePP	20 14 02.0	-0.3					ePP	20 15 16.0	-1.6			
			eS	20 18 06.0	-2.2					eS	20 19 41.0	-1.8			
			SMN	m _B =5.6	10.0	0.52				LN	Ms=6.2	10.0	5.82		
			SME		8.0	0.89				LE		10.0	8.52		
			LN	Ms=5.8	18.0	1.29	CN2	40.0	359	+P	20 13 44.5	0.4			
			LE		20.0	11.6				PP	20 15 18.0	-2.2			
XAN	34.4	333	+iP	20 12 56.4	-1.5					eS	20 19 48.0	1.8			
			PP	20 14 20.0	6.5					LN	Ms=5.5	17.0	3.70		
			S	20 18 20.0	-1.2					MDJ	40.8	3	+iP	20 13 52.0	0.6
			LN	Ms=5.9	22.0	15.7				PcS	20 19 45.0	3.9			
			LE		22.0	7.28				S	20 20 01.0	2.7			

1986 9 26					BJI	30.5	351	eP	07 37 57.5	-1.5					
O=07 31 46.2 ± 0.17s					LZH	31.0	330	eP	07 38 03.0	-0.3					
LAT= 9.85 N ± 2.01km								PMZ			2.0	0.090			
LONG=122.24 E ± 2.56km								LN		Ms=4.8	13.0	0.88			
DEPTH= 34 km ± 0.29km					SNY	31.9	2	eP	07 38 09.4	-1.4					
STATIONS USED = 59, STAND DEV = 2.13s					CN2	33.9	4	+P	07 38 26.0	-2.7					
Ms=4.6/ 22, mb=5.0/ 3								cS	07 43 48.0	-2.5					
QZN	15.1	309	eP	07 35 17.0	-1.5			MDJ	35.2	9	eP	07 38 39.4	-0.3		
			eS	07 38 04.0	-0.9			GTA	35.6	329	P	07 38 42.0	-1.0		
			LN		Ms=4.7	12.0	1.00				eS	07 44 18.0	1.7		
			LE			14.0	2.00				LN		Ms=4.7	14.0	0.65
QZH	15.4	347	eP	07 35 27.4	4.6			WMQ	45.2	325	P	07 40 01.7	-0.5		
			eS	07 38 22.0	9.2			1986 9 26							
			LN		Ms=4.2	14.0	0.69	O=10 19 48.8 ± 0.65s							
GZH	15.7	328	+P	07 35 31.0	4.8			LAT=24.10 N ± 3.17km							
			LN		Ms=4.7	14.0	1.74	LONG=120.38 E ± 5.07km							
			LE			14.0	1.57	DEPTH= 15 km							
SSE	21.2	358	eP	07 36 31.0	0.1			STATIONS USED = 9, STAND DEV = 2.42s							
			PMZ			1.2	0.050	ML=3.4/ 4,							
			sP	07 36 40.0	-4.0			QZH	1.8	298	ePn	10 20 21.3	1.0		
			eS	07 40 22.0	2.4						Sg	10 20 56.2	9.8		
			sS	07 40 30.0	-3.7						SMN		ML=2.9	0.2	0.12
			LN		Ms=4.5	16.0	0.81				SME			0.2	0.090
			LE			20.0	0.98	QZN	11.0	245	eP	10 22 30.0	0.6		
WHN	21.9	341	eP	07 36 41.0	3.1			1986 9 26							
			eS	07 40 40.0	7.3			O=13 27 04.5 ± 0.13s							
			SMN		mb=5.0	11.0	0.60	LAT=17.08 S ± 1.69km							
			LE		Ms=4.5	12.0	0.75	LONG=177.85 W ± 0.60km							
GYA	22.1	320	P	07 36 42.0	1.2			DEPTH=395 km ± 1.63km							
			S	07 40 44.6	7.6			STATIONS USED = 24, STAND DEV = 1.45s							
			LN		Ms=4.8	14.0	1.20	MDJ	77.8	325	eP	13 38 21.3	-0.3		
			LE			14.0	1.10	CN2	79.7	322	eP	13 38 32.0	0.4		
NJ2	22.3	352	+P	07 36 42.0	-0.4			BJI	83.6	315	eP	13 38 52.0	0.5		
			LN		Ms=4.4	11.0	0.50	TIY	85.1	312	+P	13 39 00.7	1.5		
KMI	24.0	312	+P	07 37 00.0	1.2			XAN	86.2	307	P	13 39 04.8	0.5		
			eS	07 41 16.0	5.4			1986 9 26							
			LN		Ms=4.7	16.0	1.29	O=18 12 20.0 ± 0.24s							
TIA	26.6	351	eP	07 37 22.8	-1.3			LAT=34.30 N ± 1.78km							
			eS	07 41 56.5	1.4			LONG= 26.17 E ± 1.92km							
			LE		Ms=4.6	12.0	0.59	DEPTH= 31 km ± 2.80km							
XAN	27.0	335	eP	07 37 30.4	3.1			STATIONS USED = 36, STAND DEV = 2.01s							
			LN		Ms=4.7	14.0	1.02	WMQ	47.7	59	P	18 20 56.5	0.1		
CD2	27.1	323	eP	07 37 26.4	-1.9			LSA	54.5	76	eP	18 21 45.8	-2.0		
			PMZ			1.2	0.070	GTA	57.6	62	P	18 22 09.1	-1.1		
			pP	07 37 35.5	-1.9			LZH	61.8	64	e(P)	18 22 42.5	3.4		
			eS	07 42 02.5	-0.1			CD2	63.9	69	eP	18 22 53.2	0.4		
			LE		Ms=4.8	11.5	0.97	HHC	65.4	56	eP	18 23 03.0	0.4		
TIY	29.1	344	(P)	07 37 55.7	9.3										
			LE		Ms=4.6	11.0	0.49								

XAN	66.5	64	eP	18 23 07.2	-2.0
TIY	67.4	59	eP	18 23 14.0	-1.1
GYA	68.2	72	P	18 23 21.8	1.5
BJI	68.9	55	eP	18 23 25.0	0.3
CN2	73.1	48	eP	18 23 49.0	-1.0

1986 9 26

O=19 00 55.7 ± 0.07s
 LAT=37.21 N ± 0.50km
 LONG=111.94 E ± 0.84km
 DEPTH= 13 km ± 0.19km
 STATIONS USED = 8, STAND DEV = 1.93s

 $M_L=2.7/7,$

TIY	0.6	38	+iPg	19 01 08.4	1.1		
			P11	19 01 09.9	-1.0		
			Sg	19 01 17.6	1.6		
			SMN	$M_L=2.7$	0.3	0.24	
			SME		0.3	0.35	
HHC	3.6	356	ePg	19 01 57.0	-3.2		
			Sg	19 02 46.0	-3.8		
			SMN	$M_L=2.9$	0.6	0.035	
			SME		0.6	0.030	
BTO	3.7	337	ePg	19 02 02.2	1.0		
			eSg	19 02 49.4	-2.1		
XAN	4.0	219	ePg	19 02 07.6	1.0		
			Sg	19 02 57.0	-4.3		
			SMN	$M_L=2.7$	1.0	0.020	
			SME		0.6	0.010	

1986 9 26

O=20 29 34.1 ± 0.17s
 LAT=52.81 N ± 3.23km
 LONG=162.64 E ± 1.86km
 DEPTH= 38 km ± 0.40km
 STATIONS USED = 42, STAND DEV = 1.22s

MDJ	23.1	263	eP	20 34 36.5	-1.6
CN2	26.1	265	eP	20 35 05.0	-1.3
WHN	41.4	257	eP	20 37 19.0	0.3
XAN	42.2	266	eP	20 37 24.0	-1.3
GTA	44.2	278	eP	20 37 41.7	0.1
CD2	47.5	267	eP	20 38 08.5	0.7
WMQ	48.5	291	P	20 38 16.5	0.6
GYA	49.0	260	P	20 38 20.0	0.7
LSA	56.0	276	-P	20 39 12.3	0.2
KSH	58.0	294	eP	20 39 26.0	0.1

1986 9 26

O=22 25 03.0 ± 0.11s
 LAT=25.08 N ± 1.72km
 LONG=128.21 E ± 2.13km

DEPTH= 36 km ± 0.37km
 STATIONS USED = 29, STAND DEV = 1.92s

BJI	18.0	329	eP	22 29 07.0	-5.4
TIY	18.4	317	eP	22 29 17.4	0.1
CN2	18.8	354	eP	22 29 22.0	-0.2
XAN	19.0	303	eP	22 29 21.2	-3.2
GYA	19.5	279	P	22 29 31.0	1.3
HHC	21.0	323	eP	22 29 48.0	2.2
CD2	22.3	291	eP	22 29 59.0	-0.3
KMI	23.1	276	-P	22 30 09.0	2.3
LZH	23.6	303	eP	22 30 12.5	0.6
GTA	27.8	308	P	22 30 49.2	-2.2

1986 9 26

O=22 39 55.0 ± 0.10s
 LAT= 7.87 N ± 1.34km
 LONG=126.75 E ± 1.18km
 DEPTH= 67 km ± 0.68km
 STATIONS USED = 23, STAND DEV = 1.46s

QZN	19.8	306	eP	22 44 24.5	1.6
XAN	30.8	330	eP	22 46 05.4	-1.6
MDJ	36.7	3	eP	22 46 56.3	-1.3
GTA	39.6	327	P	22 47 21.7	-0.5
LSA	39.8	308	eP	22 47 23.0	-1.3

1986 9 27

O=06 10 39.9 ± 0.07s
 LAT= 8.93 S ± 0.96km
 LONG=123.33 E ± 1.84km
 DEPTH= 34 km ± 0.22km
 STATIONS USED = 25, STAND DEV = 1.23s

GYA	38.7	336	eP	06 18 04.0	0.9
CD2	43.8	335	eP	06 18 45.2	0.1
XAN	44.9	343	P	06 18 52.7	-0.7
LSA	49.3	322	eP	06 19 27.8	-1.1
GTA	52.8	337	P	06 19 54.3	-0.6
MDJ	53.6	6	eP	06 19 59.1	-1.4
WMQ	61.6	331	eP	06 20 57.0	-0.5

1986 9 27

O=09 36 34.8 ± 0.13s
 LAT=22.58 N ± 1.99km
 LONG=121.06 E ± 1.89km
 DEPTH= 13 km ± 0.86km
 STATIONS USED = 56, STAND DEV = 1.75s

 $M_s=4.7/27, M_L=4.2/7,$

QZH	3.3	317	ePn	09 37 26.8	0.7		
			Pg	09 37 37.0	4.6		
			Sn	09 38 05.8	-1.0		
			SMN	$M_L=4.2$	1.0	0.79	

			SME			1.0	0.81			LE					120	120
			LN	Ms=4.1		8.5	3.35	CN2	21.5	9	cP	09 41 25.0	-0.6			
			LE			8.5	3.37				sP	09 41 31.0	-3.3			
GZH	7.1	276	cPn		09 38 19.6	0.2		GTA	24.7	318	P	09 41 57.6	0.5			
			Sn		09 39 38.0	-4.8					cS	09 46 16.0	0.1			
			LN	Ms=4.3		9.0	1.86				LN	Ms=4.5	11.0	0.50		
			LE			10.0	1.75	LSA	27.7	291	cP	09 42 25.2	-0.7			
SSE	8.5	1	cP		09 38 42.0	1.5		WMQ	34.7	316	P	09 43 30.0	3.0			
			cS		09 40 20.0	3.0										
			LG ₁		09 41 06.0	4.8										
			LN	Ms=4.4		10.0	2.53									
NJ2	9.6	349	+iP		09 38 53.8	-2.7										
			S		09 40 45.0	-0.5										
			LN	Ms=5.1		10.0	10.0									
WHN	9.9	324	cP		09 38 59.0	-1.8										
			S		09 40 47.5	-5.6										
			LG ₂		09 41 54.0	-9.0										
			LN	Ms=4.7		10.0	3.50	GYA	38.5	340	P	10 44 44.8	0.6			
QZN	11.1	253	cP		09 39 15.9	-0.4		KMI	38.8	334	-P	10 44 49.5	2.4			
			cS		09 41 21.7	0.7		WHN	40.5	352	cP	10 45 01.5	0.4			
			LN	Ms=4.6		16.0	3.70	CD2	43.6	339	P	10 45 25.7	-0.3			
			LE			15.0	1.20				PMZ		1.0	0.040		
GYA	13.7	289	P		09 39 53.0	1.8		XAN	45.0	346	P	10 45 36.9	-0.4			
			sP		09 39 59.6	0.2		LZH	48.3	342	cP	10 46 03.5	0.0			
			S		09 42 27.0	3.7		BJI	49.7	356	cP	10 46 11.5	-3.0			
			LN	Ms=4.8		9.0	1.90	GTA	52.6	340	-iP	10 46 56.2	20.5			
			LE			9.0	1.40	WMQ	61.2	333	P	10 47 36.5	-0.7			
TIA	14.0	347	cP		09 39 57.5	1.9										
			LE	Ms=4.9		14.0	4.34									
XAN	15.6	320	P		09 40 16.0	-0.8										
			pP		09 40 19.0	-2.5										
			LG ₂		09 45 06.0	-4.3										
			LN	Ms=4.7		12.0	1.79									
			LE			12.0	1.06	LSA	4.8	186	cPn	11 34 01.2	4.4			
CD2	17.5	302	cP		09 40 43.0	2.1					Pg	11 34 16.3	7.5			
			LG ₂		09 46 16.0	2.9					LG ₁	11 35 19.5	5.2			
			LN	Ms=5.0		8.0	2.00				LE	Ms=4.7	8.5	10.9		
BJI	17.9	348	P		09 40 46.0	0.6		GTA	8.2	50	P	11 34 47.3	1.5			
			LN	Ms=4.8		12.0	1.78	WMQ	9.9	343	cP	11 35 07.8	-1.4			
HHC	19.9	338	+P		09 41 10.0	0.6					cS	11 36 55.3	-5.4			
LZH	20.1	316	cP		09 41 12.0	0.2					LG ₁	11 38 00.0	5.8			
			PMZ			3.0	0.26				LN		2.0	0.080		
			LG ₁		09 46 57.0	-9.7		LZH	10.1	77	cP	11 35 12.0	-0.2			
			LN	Ms=4.8		8.0	0.73				LG ₁	11 38 01.0	0.2			
			LE			9.0	0.88				LN	Ms=4.4	10.0	1.82		
BTO	20.2	335	cP		09 41 13.0	-0.1		CD2	10.8	106	cP	11 35 22.8	1.2			
			cpP		09 41 16.0	-2.4					cS	11 37 24.5	1.6			
			PP		09 41 30.0	-2.3					LE	Ms=4.7	7.5	2.34		
			cS		09 44 51.0	-4.2		XAN	14.3	87	cP	11 36 05.3	-3.2			
			LN	Ms=5.0		12.0	2.11				LN	Ms=4.8	10.0	2.50		

1986 9 27

O = 10 37 22.5 ± 0.08s

LAT = 9.78 S ± 1.84km

LONG = 120.64 E ± 1.81km

DEPTH = 31 km ± 0.29km

STATIONS USED = 27, STAND DEV = 1.18s

GYA 38.5 340 P 10 44 44.8 0.6

KMI 38.8 334 -P 10 44 49.5 2.4

WHN 40.5 352 cP 10 45 01.5 0.4

CD2 43.6 339 P 10 45 25.7 -0.3

PMZ 1.0 0.040

XAN 45.0 346 P 10 45 36.9 -0.4

LZH 48.3 342 cP 10 46 03.5 0.0

BJI 49.7 356 cP 10 46 11.5 -3.0

GTA 52.6 340 -iP 10 46 56.2 20.5

WMQ 61.2 333 P 10 47 36.5 -0.7

1986 9 27

O = 11 32 44.7 ± 0.12s

LAT = 34.46 N ± 1.34km

LONG = 91.70 E ± 1.40km

DEPTH = 15 km ± 0.16km

STATIONS USED = 28, STAND DEV = 2.24s

Ms = 4.7 / 7,

LSA 4.8 186 cPn 11 34 01.2 4.4

Pg 11 34 16.3 7.5

LG₁ 11 35 19.5 5.2

LE Ms=4.7 8.5 10.9

GTA 8.2 50 P 11 34 47.3 1.5

WMQ 9.9 343 cP 11 35 07.8 -1.4

cS 11 36 55.3 -5.4

LG₁ 11 38 00.0 5.8

LN 2.0 0.080

LZH 10.1 77 cP 11 35 12.0 -0.2

LG₁ 11 38 01.0 0.2

LN Ms=4.4 10.0 1.82

CD2 10.8 106 cP 11 35 22.8 1.2

cS 11 37 24.5 1.6

LE Ms=4.7 7.5 2.34

XAN 14.3 87 cP 11 36 05.3 -3.2

LN Ms=4.8 10.0 2.50

GYA	15.2	118	-P	11 36 19.2	-1.1		
TIY	17.1	73	cP	11 36 42.5	-2.3		
			eS	11 39 52.0	-1.3		
			LN	Ms=4.3	12.0	0.63	
WHN	19.5	95	cP	11 37 13.0	-1.1		
BJI	20.2	67	cP	11 37 23.0	0.6		
SSE	25.0	89	c(P)	11 38 05.0	-4.5		
			LE	Ms=5.0	8.0	1.14	

1986 9 27

O=17 11 52.8 ± 0.07s
 LAT=23.34 N ± 2.66km
 LONG=123.87 E ± 2.41km
 DEPTH= 51 km ± 2.30km
 STATIONS USED = 19, STAND DEV = 2.14s

M_L=3.7 / 1,

QZH	5.1	289	cP	17 13 06.2	-2.3		
			SMN	M _L =3.7	1.0	0.11	
			SME		1.0	0.050	
SSE	8.1	343	c(P)	17 13 51.0	0.5		
			LG ₁	17 16 12.0	5.1		
			LN		1.2	0.030	
XAN	16.9	312	P	17 15 48.6	1.2		
TIY	17.4	328	cP	17 15 53.8	0.3		
BJI	17.9	340	cP	17 15 58.5	-1.3		
HHC	20.3	332	P	17 16 26.2	-1.2		
CN2	20.5	3	+P	17 16 28.4	-0.5		
BTO	20.8	329	cP	17 16 30.8	-1.7		
LZH	21.5	311	cP	17 16 39.5	-0.1		
GTA	25.9	314	P	17 17 22.4	-0.3		

1986 9 27

O=17 28 09.7 ± 0.05s
 LAT=13.67 S ± 0.96km
 LONG=167.18 E ± 1.80km
 DEPTH=276 km ± 0.53km
 STATIONS USED = 35, STAND DEV = 0.77s

NJ2	64.9	316	-P	17 38 22.0	0.1		
MDJ	67.3	332	cP	17 38 36.7	-0.7		
TIA	68.5	318	cP	17 38 43.9	-0.9		
CN2	68.7	329	cP	17 38 45.0	-1.0		
GYA	71.0	304	P	17 39 00.2	-0.2		
BJI	71.4	321	cP	17 39 02.0	-0.3		
TIY	72.4	317	cP	17 39 09.9	1.3		
XAN	72.9	312	+iP	17 39 11.3	-0.1		
KMI	73.7	302	+P	17 39 16.5	0.4		
LZH	77.5	312	cP	17 39 39.0	1.2		
			PMZ		1.2	0.060	
GTA	81.9	314	+iP	17 40 01.3	0.7		
LSA	84.9	302	cP	17 40 16.2	-0.2		

1986 9 27

O=18 45 21.0 ± 0.16s
 LAT= 4.30 N ± 2.71km
 LONG= 96.62 E ± 1.79km
 DEPTH= 70 km ± 2.53km
 STATIONS USED = 16, STAND DEV = 2.64s

Ms=4.6 / 4,

QZN	19.5	40	cP	18 49 53.0	7.4		
			cS	18 53 20.0	2.8		
			sS	18 53 32.0	-6.7		
			LE	Ms=4.5	15.0	1.20	
KMI	21.5	15	+P	18 50 07.5	1.0		
			LN	Ms=4.6	14.0	1.03	
GYA	24.0	23	+P	18 50 32.0	1.0		
			LE	Ms=5.0	9.0	1.50	
WHN	31.0	31	cP	18 51 34.5	0.0		
XAN	31.7	20	cP	18 51 40.7	-0.2		
GTA	35.1	4	P	18 52 06.4	-3.4		
			LN	Ms=4.6	10.0	0.36	
BJI	39.7	24	cP	18 52 50.0	1.4		

1986 9 27

O=19 29 24.3 ± 0.19s
 LAT=27.48 N ± 1.41km
 LONG=101.06 E ± 1.73km
 DEPTH= 10 km ± 0.39km
 STATIONS USED = 15, STAND DEV = 3.36s

M_L=3.1 / 9,

KMI	2.8	147	P*	19 30 12.0	0.0		
			Pg	19 30 16.0	2.5		
			Sg	19 30 56.0	4.3		
			SMN	M _L =3.0	1.0	0.070	
			SME		1.0	0.080	
CD2	4.2	34	cPn	19 30 30.6	2.4		
			Pg	19 30 37.5	-0.1		
			Sg	19 31 28.2	-6.2		
			SMN	M _L =3.5	0.8	0.080	
			SME		0.8	0.11	
GYA	5.1	100	P*	19 30 43.4	-6.3		
			S*	19 31 44.0	-9.3		
			SMN	M _L =3.9	1.2	0.090	
			SME		1.2	0.18	
XAN	9.4	44	cP	19 31 49.0	5.9		

1986 9 27

O=19 38 41.3 ± 0.08s
 LAT=27.88 N ± 1.69km
 LONG=142.84 E ± 1.69km
 DEPTH= 31 km ± 0.52km

STATIONS USED = 82, STAND DEV = 1.12s
 Ms=4.7/18,

SSE	19.1	285	cP	19 43 04.8	0.1		
			cpP	19 43 13.5	1.5		
			cS	19 46 30.0	-3.3		
			sS	19 46 43.0	-2.0		
			LN	Ms=4.7	7.0	0.85	
MDJ	19.8	331	cP	19 43 12.0	0.0		
			S	19 46 41.5	-6.1		
SNY	21.0	317	+P	19 43 22.8	-2.0		
			cS	19 47 12.0	-0.2		
			LN	Ms=4.7	16.0	1.65	
			LE		16.0	0.70	
CN2	21.2	323	cP	19 43 24.2	-2.4		
			cS	19 47 06.0	-9.6		
			LN	Ms=4.8	16.0	2.20	
NJ2	21.2	287	-iP	19 43 26.4	-0.2		
			LE	Ms=4.6	13.0	1.10	
QZH	21.9	268	cP	19 43 32.5	-1.4		
			S	19 47 32.0	3.4		
TIA	23.3	297	-P	19 43 47.0	-0.5		
			S	19 47 56.0	2.6		
			LN	Ms=4.7	13.5	1.09	
WHN	25.0	283	cP	19 44 04.5	0.5		
			S	19 48 20.0	-2.6		
			LN	Ms=4.6	14.0	0.88	
BJI	25.1	306	cP	19 44 05.0	-0.3		
			S	19 48 24.0	-1.0		
TIY	27.3	299	+iP	19 44 24.7	-0.7		
			S	19 48 59.5	-0.8		
			LN	Ms=4.6	13.0	0.63	
			LE		14.0	0.40	
HHC	28.7	305	P	19 44 37.6	-0.8		
			S	19 49 15.0	-8.4		
			LE	Ms=4.9	14.0	1.20	
XAN	29.6	290	+P	19 44 45.6	-1.0		
			LN	Ms=4.6	14.0	0.68	
QZN	31.4	261	P	19 45 05.1	2.5		
			cS	19 50 11.0	3.6		
GYA	32.1	276	-P	19 45 08.4	-0.4		
			S	19 50 23.0	5.5		
LZH	33.9	294	-iP	19 45 23.5	-0.6		
			PMZ		1.5	0.12	
			(S)	19 50 54.0	8.0		
			LN	Ms=4.6	16.0	0.56	
CD2	34.1	285	cP	19 45 24.5	-0.9		
			PMZ		0.8	0.24	
			S	19 50 46.0	-1.4		
KMI	35.9	275	+P	19 45 41.0	-0.1		
GTA	37.3	299	+P	19 45 51.9	-1.1		

			pP	19 46 03.9	2.2		
			cS	19 51 44.5	6.0		
			LN	Ms=4.7	13.0	0.47	
LSA	45.0	285	cP	19 46 56.0	-0.9		
WMQ	46.6	305	+P	19 47 08.7	-0.2		
KSH	55.7	300	cP	19 48 18.0	0.3		
1986 9 27							
			O	= 23 48 47.4	± 0.18s		
			LAT	= 3.88 N	± 1.34km		
			LONG	= 126.47 E	± 1.47km		
			DEPTH	= 89 km	± 1.94km		
STATIONS USED = 20, STAND DEV = 2.28s							
BJI	37.2	347	cP	23 55 52.0	0.1		
LSA	42.1	311	cP	23 56 34.4	0.9		
GTA	42.8	329	P	23 56 38.8	0.0		
1986 9 28							
			O	= 00 02 44.2	± 0.11s		
			LAT	= 20.75 N	± 1.75km		
			LONG	= 122.00 E	± 1.81km		
			DEPTH	= 19 km	± 0.69km		
STATIONS USED = 79, STAND DEV = 1.71s							
Ms=4.6/27, ML=4.0/6,							
QZH	5.2	324	cPn	00 04 02.2	0.5		
			Sn	00 04 58.0	-5.5		
			SMN	ML=4.0	0.8	0.17	
			SME		0.8	0.17	
			LN	Ms=4.0	9.0	1.18	
			LE		9.0	1.56	
GZH	8.4	288	cP	00 04 44.4	-3.1		
			cS	00 06 13.5	-8.8		
			LN	Ms=4.1	10.0	0.88	
			LE		12.0	1.06	
SSE	10.3	356	P	00 05 14.0	-0.7		
			cS	00 07 10.0	-1.0		
			LG ₁	00 08 12.0	3.4		
			LG ₂	00 08 24.0	-0.9		
			LE	Ms=4.4	10.0	1.82	
QZN	11.6	264	P	00 05 30.1	-1.5		
			S	00 07 34.8	-6.0		
			LN	Ms=4.6	11.5	1.90	
			LE		12.0	1.40	
NJ2	11.6	347	cP	00 05 31.0	-1.1		
			LE	Ms=4.6	10.0	2.30	
WHN	11.9	326	cP	00 05 36.0	-0.7		
			cS	00 07 46.0	-4.4		
			LG ₁	00 09 06.0	6.8		
			LE	Ms=4.6	12.0	2.70	
GYA	15.2	295	cP	00 06 20.0	0.6		

			S	00 09 13.0	6.2				O = 06 14 31.3	± 0.39s			
			LN	Ms = 4.6	12.0	1.30			LAT = 21.33 S	± 4.96km			
			LE		12.0	0.80			LONG = 173.88 W	± 3.32km			
TIA	16.0	346	eP	00 06 31.4	1.4				DEPTH = 24 km	± 1.13km			
XAN	17.6	322	P	00 06 50.3	0.1				STATIONS USED = 25, STAND DEV = 1.31s				
			pP	00 06 55.5	-0.4			MDJ	83.4	323	eP	06 26 59.0	-0.1
			LG ₁	00 12 00.0	3.6			CN2	85.3	321	eP	06 27 08.4	-0.2
			LG ₂	00 12 26.5	2.2			TIA	86.7	311	eP	06 27 14.9	-0.4
			LN	Ms = 4.7	11.0	1.38		BJI	89.2	314	(P)	06 27 27.0	-0.3
			LE		12.0	1.06		GYA	90.4	298	eP	06 27 34.0	0.9
DL2	18.1	359	eP	00 06 53.0	-3.5			TIY	90.7	310	eP	06 27 36.4	1.9
			LN	Ms = 4.6	10.0	0.84		XAN	91.7	306	P	06 27 41.0	1.9
			LE		14.0	0.92		KMI	93.2	296	-P	06 27 48.0	2.1
KMI	18.3	287	eP	00 07 01.5	2.7			1986 9 28					
			eS	00 10 23.0	3.6			O = 13 47 55.4	± 0.07s				
			SS	00 10 51.0	9.3			LAT = 27.73 N	± 0.91km				
			LE	Ms = 4.4	11.0	0.70		LONG = 142.64 E	± 1.41km				
TIY	18.8	336	+iP	00 07 06.1	0.5			DEPTH = 34 km	± 0.19km				
			PMZ			1.2	0.080	STATIONS USED = 25, STAND DEV = 0.83s					
			S	00 10 34.5	3.3			MDJ	19.8	332	eP	13 52 24.6	-1.8
			LN	Ms = 5.0	12.5	1.79		SNY	21.0	317	eP	13 52 38.6	0.2
			LE		12.5	2.32		WHN	24.8	283	eP	13 53 18.0	1.6
CD2	19.3	305	P	00 07 11.2	0.6			TIY	27.2	299	eP	13 53 38.2	-0.2
			S	00 10 40.0	-0.8			XAN	29.5	291	P	13 53 59.0	-0.3
			LN	Ms = 5.0	8.0	1.93		GYA	32.0	276	P	13 54 21.0	-0.2
BJI	19.9	347	eP	00 07 16.5	-0.8			CD2	33.9	285	P	13 54 38.0	0.0
			(S)	00 10 49.0	-5.9			GTA	37.2	299	-iP	13 55 05.8	-0.2
			LN	Ms = 4.4	12.0	0.66		WMQ	46.5	305	P	13 56 22.0	-0.2
SNY	21.1	3	-P	00 07 30.8	1.0			1986 9 28					
			LE	Ms = 4.7	15.0	1.39		O = 16 59 00.3	± 0.08s				
HHC	21.9	338	eP	00 07 39.0	0.4			LAT = 43.73 N	± 2.57km				
			S	00 11 32.0	-2.1			LONG = 148.11 E	± 1.55km				
			LN	Ms = 4.7	12.0	0.57		DEPTH = 52 km	± 1.27km				
			LE		12.0	0.85		STATIONS USED = 36, STAND DEV = 1.73s					
BTO	22.3	335	eP	00 07 44.0	1.9			MDJ	13.3	280	eP	17 02 09.7	0.8
			ePP	00 08 11.0	3.0			BJI	24.0	272	eP	17 04 11.5	0.4
			eS	00 11 43.0	1.5			TIY	27.6	270	eP	17 04 45.2	0.4
			LN	Ms = 5.1	14.0	2.90		WHN	29.7	255	eP	17 05 03.5	-0.8
			LE		14.0	1.60		XAN	31.7	266	eP	17 05 22.0	-0.1
CN2	23.2	6	-P	00 07 52.0	1.1			LZH	34.5	273	eP	17 05 45.5	-0.3
MDJ	24.6	13	eP	00 08 06.8	1.8			GTA	36.0	280	+P	17 05 58.0	-0.7
GTA	26.6	319	-P	00 08 23.6	-0.2			GYA	37.6	257	eP	17 06 12.2	0.1
			LN	Ms = 4.5	10.0	0.45		WMQ	42.7	292	P	17 06 54.5	-0.3
LSA	29.2	294	+P	00 08 48.0	0.2			1986 9 28					
WMQ	36.6	317	P	00 09 52.5	0.8			O = 20 15 57.0	± 0.07s				
KSH	43.4	306	P	00 10 51.0	2.7			LAT = 37.73 N	± 0.65km				
			eS	00 17 19.0	3.4			LONG = 101.59 E	± 0.56km				
			LN	Ms = 5.2	14.0	1.30							

1986 9 28

September, 1986



DEPTH = 13 km ± 0.30km
 STATIONS USED = 7, STAND DEV = 3.29s
 M_L = 2.9 / 7,

GTA	2.2	321	Pn	20 16 33.5	0.0		
			Pg	20 16 34.6	-0.9		
			Sg	20 17 01.6	-3.7		
			SMN	M _L = 2.6	0.6	0.072	
			SME		0.6	0.019	
LZH	2.4	132	Pg	20 16 41.0	0.6		
			Sg	20 17 13.0	-0.6		
			SMN	M _L = 2.9	0.8	0.063	
			SME		1.0	0.082	

1986 9 28
 O = 20 25 48.3 ± 0.16s
 LAT = 24.05 N ± 1.65km
 LONG = 122.33 E ± 1.81km
 DEPTH = 22 km ± 0.39km
 STATIONS USED = 51, STAND DEV = 1.76s
 M_s = 4.5 / 15, M_L = 4.0 / 8,

QZH	3.5	285	+Pn	20 26 42.7	0.4		
			Sn	20 27 22.0	-3.1		
			SMN	M _L = 3.7	1.5	0.26	
			SME		1.0	0.15	
			LE	M _s = 3.7	9.0	1.74	
SSE	7.1	352	Pn	20 27 31.8	0.4		
			PMZ		0.5	0.040	
			pP	20 27 34.5	-5.2		
			eLG ₁	20 29 30.0	-1.2		
			LN	M _s = 4.0	13.0	1.50	
GZH	8.3	265	e(P)	20 27 50.0	-0.5		
			eS	20 29 26.5	2.0		
			LN		3.0	1.47	
			LE		3.0	0.74	
NJ2	8.5	340	eP	20 27 52.3	-1.6		
			LN	M _s = 4.5	11.0	3.40	
WHN	9.6	314	eP	20 28 07.5	-1.1		
			LG ₁	20 30 55.0	5.0		
			LE	M _s = 4.1	12.0	1.00	
GYA	14.4	283	P	20 29 14.0	0.9		
			sP	20 29 21.0	-2.0		
			S	20 31 51.8	-0.5		
			LE	M _s = 4.5	9.0	1.10	
XAN	15.4	313	eP	20 29 26.1	0.2		
			LG ₁	20 34 00.0	8.9		
			LN	M _s = 4.5	6.0	0.61	
TIY	16.0	330	eP	20 29 35.9	1.3		
			LG ₂	20 34 28.0	-9.6		
			LN	M _s = 4.5	13.0	1.11	
			LE		12.0	0.48	

BJI	16.8	343	eP	20 29 46.0	2.3		
KMI	17.9	277	eP	20 29 59.0	1.4		
			eS	20 33 05.0	-8.9		
			LN	M _s = 4.6	13.0	1.32	
HHC	19.0	334	eP	20 30 12.2	0.2		
BTO	19.5	331	eP	20 30 16.0	-0.9		
			epP	20 30 23.0	-0.2		
			LN	M _s = 4.7	13.0	1.20	
			LE		13.0	0.70	
CN2	19.9	7	eP	20 30 24.8	3.6		
			(S)	20 33 56.0	-2.8		
LZH	20.0	311	eP	20 30 22.0	-0.4		
			PMZ		2.0	0.070	
GTA	24.4	314	P	20 31 05.8	-1.3		
			LE	M _s = 4.3	12.5	0.43	
WMQ	34.5	313	P	20 32 35.5	-2.1		

1986 9 28
 O = 21 37 48.1 ± 0.09s
 LAT = 10.58 N ± 2.30km
 LONG = 57.21 E ± 1.70km
 DEPTH = 11 km ± 0.17km
 STATIONS USED = 17, STAND DEV = 1.83s

GYA	49.2	64	eP	21 46 40.6	1.8		
XAN	52.6	55	P	21 47 04.8	0.1		
TIY	56.2	52	eP	21 47 27.0	-4.4		
CN2	67.1	47	+P	21 48 44.2	-0.1		

1986 9 29
 O = 01 39 44.0 ± 0.08s
 LAT = 37.87 N ± 1.02km
 LONG = 101.64 E ± 0.74km
 DEPTH = 7 km ± 0.40km
 STATIONS USED = 9, STAND DEV = 3.91s
 M_L = 3.5 / 6,

GTA	2.1	318	+iPn	01 40 20.2	0.1		
			Pg	01 40 20.8	-0.3		
			Sg	01 40 49.6	-0.1		
			SMN	M _L = 3.5	0.5	0.37	
			SME		0.8	0.40	
LZH	2.5	135	Pn	01 40 26.0	0.2		
			Pg	01 40 27.5	-0.9		
			Sn	01 40 55.5	-2.9		
			Sg	01 40 57.0	-5.7		
			SMN	M _L = 3.5	0.8	0.25	
			SME		0.5	0.30	
XAN	7.0	121	ePg	01 41 50.8	2.3		
			Sg	01 43 20.8	-3.7		

1986 9 29



O = 03 38 31.9 ± 0.08s
LAT = 40.63 N ± 0.62km
LONG = 122.96 E ± 0.84km
DEPTH = 16 km
STATIONS USED = 6, STAND DEV = 2.19s

$M_L = 3.0 / 6,$

SNY	1.3	21	-iPg	03 38 57.0	2.3		
			Sg	03 39 14.2	1.9		
			SMN	$M_L = 3.0$	0.4	0.33	
			SME		0.4	0.20	
DL2	2.0	211	+iPg	03 39 06.8	-0.6		
			Sg	03 39 32.5	-2.4		
			SMN	$M_L = 3.4$	0.5	0.32	
			SME		0.5	0.33	
CN2	3.7	29	-Pn	03 39 26.6	-1.9		
			-Pg	03 39 40.8	4.1		
			Sn	03 40 11.8	-1.6		
			Sg	03 40 29.6	2.7		
			SMN	$M_L = 3.1$	0.6	0.052	
			SME		0.6	0.037	

1986 9 29

O = 06 31 31.6 ± 0.11s
LAT = 14.86 S ± 1.14km
LONG = 167.33 E ± 2.05km
DEPTH = 123 km ± 0.54km
STATIONS USED = 66, STAND DEV = 1.18s

NJ2	65.8	316	+P	06 42 06.2	-0.3		
QZN	65.8	299	eP	06 42 08.8	2.0		
WHN	68.1	312	P	06 42 20.0	-0.7		
MDJ	68.4	332	eP	06 42 22.7	-0.2		
TIA	69.5	318	eP	06 42 28.4	-1.0		
CN2	69.8	329	+P	06 42 31.0	-0.3		
GYA	71.8	305	eP	06 42 44.2	0.5		
BJI	72.4	321	eP	06 42 47.0	0.1		
TIY	73.4	317	+P	06 42 53.6	0.8		
			PMZ			1.0	0.040
XAN	73.8	313	+P	06 42 55.5	0.2		
KMI	74.4	302	+P	06 43 00.0	1.1		
HHC	75.7	320	+P	06 43 06.5	0.3		
CD2	76.1	308	P	06 43 09.0	0.5		
			S	06 52 44.0	4.3		
BTO	76.6	319	eP	06 43 10.0	-0.9		
GTA	82.8	314	+iP	06 43 45.4	0.9		
WMQ	92.9	315	P	06 44 33.0	0.3		

1986 9 29

O = 07 10 36.7 ± 0.16s
LAT = 10.56 N ± 3.30km
LONG = 57.11 E ± 2.16km

DEPTH = 10 km ± 0.04km
STATIONS USED = 66, STAND DEV = 1.64s
 $M_s = 5.0 / 6,$

KSH	33.3	27	eP	07 17 16.0	-1.5		
			eS	07 22 32.0	-5.5		
			LN	$M_s = 5.0$	12.0	1.10	
LSA	37.0	54	P	07 17 48.1	-1.2		
WMQ	42.4	33	P	07 18 33.1	-0.7		
KMI	45.6	65	eP	07 19 00.0	0.6		
GTA	47.6	45	-P	07 19 15.6	0.5		
			LE	$M_s = 4.9$	13.0	0.54	
CD2	47.7	58	eP	07 19 15.0	-1.0		
LZH	49.3	51	eP	07 19 28.5	0.2		
GYA	49.3	64	P	07 19 28.0	-0.3		
QZN	51.5	74	eP	07 19 41.8	-3.6		
XAN	52.7	55	+P	07 19 53.3	-0.9		
BTO	55.3	48	eP	07 20 13.4	0.0		
TIY	56.3	52	+P	07 20 20.0	-0.8		
			(S)	07 28 12.5	2.7		
			LE	$M_s = 5.1$	15.0	0.76	
HHC	56.5	48	c(P)	07 20 21.8	-0.2		
WHN	56.6	60	eP	07 20 22.0	-0.4		
BJI	59.7	50	eP	07 20 44.0	-0.4		
TIA	59.7	54	eP	07 20 43.2	-1.3		
NJ2	60.6	59	+P	07 20 49.0	-1.4		
SSE	62.5	60	eP	07 21 02.3	-0.9		
			eS	07 29 26.0	-3.2		
SNY	65.5	49	-P	07 21 22.3	-0.9		
CN2	67.2	47	+P	07 21 33.0	-0.6		
			eS	07 30 24.0	-2.9		
MDJ	70.2	46	eP	07 21 50.6	-1.9		

1986 9 29

O = 10 41 23.7 ± 0.11s
LAT = 24.77 S ± 1.38km
LONG = 179.98 E ± 1.43km
DEPTH = 494 km ± 0.65km
STATIONS USED = 35, STAND DEV = 1.17s

QZN	81.0	296	eP	10 52 48.0	0.1		
NJ2	81.2	311	+P	10 52 49.2	0.1		
TIA	84.8	314	eP	10 53 07.4	0.2		
GYA	87.2	301	P	10 53 18.8	0.2		
TIY	88.8	313	eP	10 53 26.5	0.5		
XAN	89.3	308	+P	10 53 28.9	0.6		
KMI	89.7	298	-P	10 53 31.0	0.7		
CD2	91.5	303	P	10 53 39.6	0.8		

1986 9 29

O = 12 20 42.7 ± 0.20s
LAT = 51.34 N ± 2.75km

LONG = 174.96 W ± 1.50km						cS 14 54 25.4 9.4					
DEPTH = 32 km ± 2.05km						LN Ms=4.6 24.0 0.49					
STATIONS USED = 76, STAND DEV = 1.15s						GYA 49.0 63 P 14 47 31.0 0.0					
Ms = 5.0 / 6,						LZH 49.2 50 cP 14 47 33.0 -0.1					
MDJ	36.9	282	eP	12 27 50.0	-1.0	XAN	52.6	54	P	14 47 57.3	-1.1
CN2	39.9	283	+P	12 28 15.7	-0.1	BTO	55.3	47	cP	14 48 19.2	0.5
			eS	12 34 16.0	-2.8	TIY	56.3	51	cP	14 48 25.0	-0.6
SNY	42.2	282	+iP	12 28 35.0	0.8				S	14 56 18.5	5.6
			eS	12 34 48.0	-4.0				SME	m _B = 5.3	7.0 0.29
			LN	Ms = 4.8	18.0 0.48				LE	Ms = 5.0	15.0 0.57
			LE		20.0 0.60	WHN	56.3	60	cP	14 48 24.5	-1.3
BJI	47.7	285	cP	12 29 19.5	0.6	HHC	56.5	47	cP	14 48 27.5	0.1
TIA	49.6	280	cP	12 29 32.7	-0.3	BJI	59.7	49	cP	14 48 49.0	-0.4
HHC	50.0	288	+P	12 29 37.0	0.4	NJ2	60.4	59	-P	14 48 52.5	-1.5
BTO	51.1	289	+P	12 29 46.0	1.2	SNY	65.5	48	cP	14 49 25.0	-3.3
			eS	12 36 56.0	-3.3	CN2	67.2	47	cP	14 49 38.2	-0.8
NJ2	51.2	275	cP	12 29 44.6	-1.1				eS	14 58 37.0	4.4
TIY	51.5	285	+iP	12 29 48.9	1.3	MDJ	70.3	46	cP	14 49 57.1	-0.9
			PMZ		1.0 0.10	1986 9 29					
			eS	12 37 03.0	-1.4	O = 15 39 56.3	± 0.09s				
			LN	Ms = 5.1	16.0 0.52	LAT = 10.64 N	± 2.11km				
			LE		16.0 0.68	LONG = 57.11 E	± 1.51km				
WHN	55.1	277	cP	12 30 13.5	-0.7	DEPTH = 10 km	± 0.11km				
XAN	56.0	284	+P	12 30 20.8	-0.4	STATIONS USED = 53, STAND DEV = 1.07s					
LZH	57.7	289	+iP	12 30 34.0	0.7	LSA	36.9	54	cP	15 47 07.5	-0.9
			PMZ		1.5 0.16	WMQ	42.3	33	cP	15 47 54.3	1.5
			pP	12 30 40.5	-1.9	KMI	45.5	65	cP	15 48 20.5	1.8
GTA	57.8	294	+iP	12 30 33.2	-0.8	CD2	47.6	58	cP	15 48 34.0	-1.2
			LN	Ms = 5.0	16.0 0.61	LZH	49.2	51	cP	15 48 48.0	0.5
CD2	61.3	284	cP	12 30 58.2	0.0	GYA	49.2	64	P	15 48 48.0	0.4
WMQ	61.4	305	+P	12 30 58.0	-0.5	XAN	52.6	55	+P	15 49 12.7	-0.7
			PcP	12 31 40.4	0.9	BTO	55.2	48	cP	15 49 32.4	-0.2
GYA	62.7	279	P	12 31 07.2	-0.4	TIY	56.3	52	-iP	15 49 39.8	-0.3
KMI	66.1	281	+P	12 31 30.0	0.3	HHC	56.4	48	cP	15 49 41.4	0.2
QZN	66.2	271	cP	12 31 32.0	2.1	WHN	56.5	60	cP	15 49 41.5	-0.2
			eS	12 40 17.0	1.7	BJI	59.6	50	cP	15 50 03.5	-0.1
LSA	69.7	292	+iP	12 31 53.1	0.7	TIA	59.6	54	cP	15 50 02.7	-1.1
KSH	70.5	309	cP	12 31 53.9	-2.9	NJ2	60.5	59	+P	15 50 09.8	0.1
1986 9 29						SNY	65.5	49	-P	15 50 41.5	-1.0
O = 14 38 41.8	± 0.14s					CN2	67.1	47	+P	15 50 52.4	-0.5
LAT = 9.61 N	± 4.04km					MDJ	70.1	46	cP	15 51 11.6	-0.2
LONG = 57.93 E	± 2.06km					1986 9 29					
DEPTH = 10 km	± 0.22km					O = 16 06 20.8	± 0.15s				
STATIONS USED = 44, STAND DEV = 1.57s						LAT = 10.53 N	± 2.99km				
Ms = 4.8 / 2,	m _B = 5.3 / 1					LONG = 57.07 E	± 1.98km				
WMQ	42.8	32	P	14 46 42.0	0.2	DEPTH = 8 km	± 0.23km				
KMI	45.2	64	cP	14 47 04.0	2.2	STATIONS USED = 35, STAND DEV = 1.34s					
CD2	47.5	57	cP	14 47 14.9	-4.8	LSA	37.0	54	cP	16 13 33.5	-0.5
GTA	47.6	44	P	14 47 22.0	1.1						

WMQ	42.5	33	P	16 14 20.0	1.5
LZH	49.3	51	cP	16 15 13.0	0.0
GYA	49.3	64	P	16 15 12.6	-0.4
XAN	52.7	55	P	16 15 38.3	-0.6
BTO	55.3	48	cP	16 15 56.7	-1.4
TIY	56.4	52	cP	16 16 05.1	-0.4
HHC	56.5	48	cP	16 16 07.2	0.5
BJI	59.7	50	cP	16 16 29.0	0.0
SNY	65.6	49	-P	16 17 07.0	-0.8
CN2	67.2	47	+P	16 17 18.0	-0.3
MDJ	70.2	46	cP	16 17 31.6	-5.6

1986 9 30

O=00 01 56.7 ± 0.17s
 LAT=23.39 N ± 2.38km
 LONG= 93.95 E ± 1.70km
 DEPTH= 70 km ± 0.55km
 STATIONS USED = 35, STAND DEV= 2.87s

 $M_L=4.3/3,$

LSA	6.8	339	-P	00 03 35.0	-1.1
			S	00 04 43.5	-8.2
			SMN	$M_L=4.0$	0.7 0.070
			LE		3.5 0.66
KMI	8.2	76	+P	00 03 57.5	1.7
CD2	11.5	47	cP	00 04 45.0	4.6
GYA	11.9	73	P	00 04 44.0	-2.3
QZN	15.4	103	P	00 05 36.3	4.3
GTA	16.7	16	P	00 05 46.6	-1.7
XAN	16.9	48	cP	00 05 48.3	-1.6
WHN	19.5	64	cP	00 06 17.0	-4.2
WMQ	21.0	347	c(P)	00 06 41.5	4.5

1986 9 30

O=07 11 38.0 ± 0.09s
 LAT=35.63 N ± 0.99km
 LONG=105.79 E ± 0.83km
 DEPTH= 6 km ± 0.32km
 STATIONS USED = 10, STAND DEV= 3.84s

 $M_L=3.0/6,$

XAN	3.0	121	cPn	07 12 26.7	-0.1
			Pg	07 12 31.0	-0.4
			Sn	07 12 58.9	-6.4
			Sg	07 13 07.4	-5.4
			SMN	$M_L=2.9$	0.4 0.050
			SME		0.4 0.040
TIY	5.7	67	Pn	07 13 05.2	1.1
			Pg	07 13 19.0	-0.2
			S*	07 14 21.5	-4.2
			SMN	$M_L=3.6$	0.5 0.050
			SME		0.5 0.050

GTA	6.1	310	iPn	07 13 08.9	0.1
			Pg	07 13 29.7	4.6
			Sn	07 14 16.8	-3.9
			Sg	07 14 44.4	-3.7
			SMN	$M_L=2.8$	0.5 0.0087
			SME		0.5 0.0054

1986 9 30

O=12 37 06.5 ± 0.08s
 LAT=13.86 N ± 1.93km
 LONG=120.68 E ± 2.14km
 DEPTH=128 km ± 1.14km

STATIONS USED = 49, STAND DEV= 1.65s

QZN	11.6	298	P	12 39 50.4	1.3
			S	12 41 52.4	-3.7
WHN	17.6	342	cP	12 41 06.0	0.8
NJ2	18.2	355	+P	12 41 13.6	1.6
TIA	22.5	352	cP	12 41 57.2	1.2
XAN	22.7	334	P	12 41 59.1	0.5
CD2	23.0	320	cP	12 42 01.6	0.3
TIY	24.9	344	+P	12 42 19.0	0.0
			PMZ		1.0 0.030
BJI	26.4	352	cP	12 42 33.0	0.1
LZH	26.8	329	P	12 42 37.0	0.0
			PMZ		1.5 0.050
HHC	28.0	345	cP	12 42 48.8	0.5
BTO	28.2	343	P	12 42 49.3	-0.6
GTA	31.4	328	+P	12 43 17.5	-0.5
LSA	31.5	305	cP	12 43 18.4	-0.8
MDJ	31.6	12	cP	12 43 19.4	-0.1
WMQ	41.1	323	P	12 44 41.0	1.6

1986 9 30

O=23 03 10.0 ± 0.05s
 LAT=29.77 N ± 1.92km
 LONG=142.03 E ± 2.04km
 DEPTH= 63 km ± 1.26km

STATIONS USED = 31, STAND DEV= 1.87s

MDJ	17.8	330	cP	23 07 12.7	-2.4
CN2	19.2	321	cP	23 07 30.6	-1.6
			(S)	23 11 03.0	2.6
NJ2	20.0	282	+P	23 07 39.0	-1.4
BJI	23.5	303	cP	23 08 17.0	2.0
WHN	23.9	279	cP	23 08 19.5	0.2
TIY	25.8	296	cP	23 08 34.4	-2.8
			S	23 13 05.5	7.3
HHC	27.1	302	cP	23 08 48.0	-1.2
BTO	28.2	301	cP	23 08 57.0	-2.1
			cS	23 13 40.0	1.9
XAN	28.4	287	P	23 08 57.9	-2.8

September, 1986



LZH	32.5	291	cP	23 09 36.0	-1.6
GTA	35.8	297	+iP	23 10 04.7	-0.9
WMQ	44.9	304	c(P)	23 11 19.4	-1.7