

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 3 1 O=00 11 56.2 \pm 0.12s LAT=24.52 S \pm 2.22km LONG=116.00 W \pm 3.96km DEPTH= 9 km \pm 0.58km STATIONS USED = 12, STAND DEV = 2.14s</p>								<p>cS 01 27 47.0 3.7 SMN $m_B=6.4$ 8.0 13.5 SME 8.0 3.00 LN $M_S=4.8$ 10.0 1.41</p>							
KMI	144.9	279	-PKP	00 31 36.5	1.3			NJ2	19.1	286	-P	01 24 21.0	0.0		
GTA	146.4	305	PKP	00 31 39.6	1.9						PMZ	$m_B=5.7$	5.5	2.20	
<p>1986 3 1 O=00 21 15.6 \pm 0.05s LAT=36.21 N \pm 0.84km LONG= 69.73 E \pm 0.82km DEPTH=141 km \pm 0.26km STATIONS USED = 31, STAND DEV = 1.08s</p>								<p>sP 01 24 33.5 3.1 S 01 27 54.0 4.4 LN $M_S=4.9$ 10.0 1.70</p>							
KSH	5.9	55	-P	00 22 44.6	2.3			SNY	19.1	318	cP	01 24 16.7	-4.4		
			cS	00 23 47.6	-1.9						sP	01 24 31.0	0.5		
			LN			3.0	4.30				S	01 27 44.0	-5.8		
WMQ	15.7	56	+P	00 24 50.0	-0.6						SS	01 28 06.0	-9.3		
			S	00 27 37.7	-2.1						LN	$M_S=4.9$	10.0	1.41	
			PcP	00 29 50.0	7.4						LE		10.0	1.46	
LSA	19.1	104	P	00 25 31.2	0.8			CN2	19.4	325	-P	01 24 21.0	-3.5		
			cS	00 28 57.0	1.8						PMZ	$m_B=5.3$	4.0	0.60	
GTA	23.9	73	P	00 26 19.1	1.0						cS	01 27 54.0	-3.2		
CD2	28.8	91	cP	00 27 02.6	0.2						LN	$M_S=4.8$	10.0	1.50	
XAN	32.0	82	-P	00 27 30.2	-0.7			QZH	20.0	265	+iP	01 24 32.0	0.7		
GYA	32.8	97	cP	00 27 38.0	-0.4						PMZ	$m_B=5.8$	5.0	2.25	
NJ2	40.5	81	-P	00 28 43.0	0.2						PP	01 24 58.0	8.0		
<p>1986 3 1 O=01 19 56.2 \pm 0.14s LAT=28.65 N \pm 3.69km LONG=140.65 E \pm 2.85km DEPTH= 18 km \pm 1.21km STATIONS USED = 46, STAND DEV = 2.52s $M_S=4.7/18$, $m_B=5.7/19$</p>								<p>cS 01 28 19.0 8.3 SMN $m_B=5.7$ 5.5 1.27 SME 5.5 1.35 LN $M_S=4.3$ 10.0 0.44</p>							
SSE	17.1	283	P	01 23 56.0	0.4			TIA	21.2	297	cP	01 24 44.0	0.5		
			PMZ	$m_B=5.5$	6.0	1.35					PMZ	$m_B=5.9$	5.0	2.70	
			S	01 27 08.0	4.8						PP	01 25 11.0	4.7		
			SME	$m_B=5.3$	6.0	1.07					cS	01 28 43.0	9.1		
			PcP	01 28 42.0	1.0						SMN	$m_B=5.6$	7.0	0.64	
			LN	$M_S=4.6$	10.0	1.11		WHN	22.9	281	cP	01 25 02.6	1.9		
MDJ	18.2	334	+P	01 24 08.0	-2.0						PMZ	$m_B=5.8$	6.0	2.20	
			S	01 27 33.0	3.7						LN	$M_S=4.9$	9.0	1.25	
DL2	18.8	308	cP	01 24 17.0	-0.3						LE		12.0	1.00	
			PMZ	$m_B=5.7$	6.0	2.15		BJI	23.1	306	cP	01 25 02.0	-0.4		
<p>1986 3 1 O=01 19 56.2 \pm 0.14s LAT=28.65 N \pm 3.69km LONG=140.65 E \pm 2.85km DEPTH= 18 km \pm 1.21km STATIONS USED = 46, STAND DEV = 2.52s $M_S=4.7/18$, $m_B=5.7/19$</p>								<p>LE 10.0 0.75 cP 01 24 44.0 0.5 PMZ $m_B=5.9$ 5.0 2.70 PP 01 25 11.0 4.7 cS 01 28 43.0 9.1 SMN $m_B=5.6$ 7.0 0.64 SME 6.0 1.34 LN $M_S=4.6$ 10.0 0.31 LE 10.0 0.75</p>							
			PMZ	$m_B=5.7$	6.0	2.15		TIY	25.2	298	cP	01 25 22.4	-0.5		
			S	01 27 33.0	3.7						PMZ	$m_B=6.0$	6.0	2.49	
			cP	01 24 17.0	-0.3						cS	01 29 53.0	8.0		
			PMZ	$m_B=5.7$	6.0	2.15					LE	$M_S=4.6$	10.0	0.64	
			S	01 27 33.0	3.7			HHC	26.7	305	cP	01 25 35.1	-1.6		

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			S	01 30 05.0	-3.5			
			SME	$m_B = 5.5$		8.0	0.98	
			LE	$M_s = 4.9$		8.0	0.95	
XAN	27.6	289	cP	01 25 43.0	-1.6			
			cS	01 30 20.0	-3.5			
			LN	$M_s = 4.7$		11.0	0.68	
BTO	27.7	304	+iP	01 25 48.0	1.7			
			S	01 30 31.0	5.5			
			LN	$M_s = 4.6$		13.0	0.60	
			LE			13.0	0.30	
GYA	30.2	274	P	01 26 16.0	8.1			
CD2	32.0	283	cP	01 26 23.0	-1.2			
GTA	35.2	299	cP	01 26 51.5	-0.7			
			cPP	01 28 11.0	0.2			
			cS	01 32 23.5	-1.0			
			SMN	$m_B = 5.2$		6.5	0.34	
			LN	$M_s = 4.7$		9.5	0.37	
WMQ	44.6	305	cP	01 28 08.0	-1.5			
			cPP	01 29 55.0	0.7			
			cS	01 34 48.0	3.7			
KSH	53.6	300	cP	01 29 19.6	0.1			

1986 3 1

O = 06 39 12.8 ± 0.06s

LAT = 45.12 N ± 1.66km

LONG = 146.60 E ± 0.85km

DEPTH = 147 km ± 0.83km

STATIONS USED = 59, STAND DEV = 1.09s

MDJ	12.1	274	cP	06 42 02.5	1.2			
CN2	15.2	272	cP	06 42 39.6	-1.0			
SNY	17.0	267	-iP	06 43 03.8	0.3			
DL2	19.5	260	P	06 43 30.0	-1.2			
BJI	22.9	268	cP	06 44 05.0	0.4			
TIA	24.0	259	cP	06 44 15.6	0.7			
NJ2	25.2	248	+P	06 44 26.7	0.4			
HHC	25.9	273	P	06 44 31.6	-1.3			
TIY	26.5	266	P	06 44 39.4	0.5			
BTO	27.0	273	cP	06 44 46.8	3.1			
WHN	29.1	251	-P	06 45 01.5	-0.7			
XAN	30.8	262	+iP	06 45 16.7	-0.7			
GTA	34.7	277	-P	06 45 51.2	0.3			
CD2	36.2	262	-iP	06 46 03.5	0.2			
			PMZ			0.8	0.080	
GYA	36.9	253	P	06 46 08.6	-0.9			
KMI	40.5	255	cP	06 46 39.0	0.0			
WMQ	41.2	290	+iP	06 46 46.0	0.7			

1986 3 1

O = 15 09 41.5 ± 0.12s

LAT = 34.76 N ± 1.81km

LONG = 82.92 E ± 1.45km

DEPTH = 10 km ± 0.11km

STATIONS USED = 48, STAND DEV = 2.59s

$M_s = 4.6 / 13,$

KSH	7.3	312	cPn	15 11 36.8	8.7			
			cS *	15 13 03.8	-8.1			
			LG ₂	15 13 47.8	7.0			
			LN	$M_s = 5.0$		7.0	7.70	
LSA	8.6	124	P	15 11 50.7	0.9			
			cS	15 13 20.0	-8.2			
			LG ₂	15 14 30.0	4.6			
			LN	$M_s = 4.3$		10.0	1.15	
			LE			9.0	1.34	
WMQ	9.8	21	P	15 12 05.0	-0.5			
			S	15 13 55.8	-0.2			
			LG ₁	15 14 49.0	0.7			
			LN	$M_s = 4.2$		11.0	1.35	
GTA	14.3	66	cP	15 13 07.6	1.5			
			LN	$M_s = 4.6$		11.0	1.50	
LZH	17.1	80	cP	15 13 41.5	-1.3			
CD2	17.9	97	cP	15 13 52.0	-0.9			
			cS	15 17 06.0	-4.7			
			LE	$M_s = 4.9$		10.0	2.11	
XAN	21.5	84	cP	15 14 30.6	-1.9			
			LE	$M_s = 4.5$		10.0	0.63	
GYA	22.0	106	P	15 14 41.0	2.8			
BTO	22.2	67	cP	15 14 39.8	-0.1			
			cS	15 18 38.0	-1.5			
			LN	$M_s = 4.4$		10.0	0.30	
			LE			10.0	0.30	
HHC	23.4	66	cP	15 14 51.5	-0.2			
TIY	23.9	74	cP	15 14 57.4	0.2			
			S	15 19 09.0	-0.9			
			LE	$M_s = 4.7$		9.0	0.67	
WHN	26.7	90	cP	15 15 27.4	3.9			
			cS	15 20 00.0	2.5			
			LE	$M_s = 4.7$		10.0	0.63	
BJI	26.8	69	cP	15 15 24.0	-0.4			
MDJ	36.8	60	cP	15 16 50.0	-1.9			

1986 3 1

O = 16 41 39.8 ± 0.12s

LAT = 6.31 S ± 1.72km

LONG = 131.05 E ± 2.53km

DEPTH = 78 km ± 0.24km

STATIONS USED = 82, STAND DEV = 1.17s

$M_s = 4.8 / 6,$

$m_B = 5.7 / 12$

QZN	32.7	321	P	16 48 07.9	0.4			
QZH	33.3	339	+P	16 48 12.3	-0.5			
GZH	34.0	330	cP	16 48 16.5	-1.6			

			SS	20 38 04.0	0.1			
			LN	Ms = 4.0	14.0	1.11		
CN2	11.5	292	cP	20 36 44.0	-1.7			
SNY	12.7	282	cP	20 37 00.0	-1.2			
			S	20 39 18.0	-3.8			
			LN	Ms = 3.9	14.0	0.47		
DL2	14.5	270	cP	20 37 30.7	6.2			
SSE	18.0	245	cP	20 38 06.5	-3.6			
			LN	Ms = 3.9	14.0	0.29		
NJ2	19.2	251	cP	20 38 22.0	-1.7			
TIY	21.8	272	cP	20 38 51.4	0.3			
BTO	23.0	280	cP	20 39 03.1	0.0			
XAN	25.7	266	cP	20 39 29.2	0.0			
GTA	30.9	282	cP	20 40 15.7	-0.5			

1986 3 2

O = 00 42 37.4 ± 0.10s
 LAT = 32.60 N ± 1.38km
 LONG = 89.29 E ± 1.24km
 DEPTH = 11 km ± 0.18km
 STATIONS USED = 42, STAND DEV = 2.34s
 Ms = 4.4 / 6,

LSA	3.3	151	iPn	00 43 33.8	3.9			
			Pg	00 43 35.0	-0.7			
			Sn	00 44 18.0	7.4			
			Sg	00 44 22.6	1.7			
			LE			2.2	2.35	
GTA	10.9	48	cP	00 45 19.0	2.3			
			LN	Ms = 4.0	12.0	0.79		
WMQ	11.3	354	cP	00 45 24.0	2.2			
CD2	12.4	94	cP	00 45 36.2	-1.3			
			(S)	00 47 54.0	-3.1			
GYA	16.3	108	+P	00 46 26.4	-2.0			
XAN	16.5	80	cP	00 46 31.0	0.6			
			LE	Ms = 4.4	8.0	0.60		
BTO	18.4	58	cP	00 46 56.6	1.6			
TIY	19.6	68	c(P)	00 47 00.6	-7.9			
			sS	00 50 51.5	0.5			
			LE	Ms = 4.4	9.0	0.50		
HHC	19.6	59	cP	00 47 06.2	-2.9			
BJI	22.8	63	cP	00 47 43.5	1.5			
SNY	28.7	61	cP	00 48 36.0	-0.6			
CN2	30.3	58	cP	00 48 48.6	-2.8			
MDJ	33.4	57	cP	00 49 15.0	-3.3			

1986 3 2

O = 01 50 39.0 ± 0.09s
 LAT = 45.15 N ± 2.76km
 LONG = 151.16 E ± 1.80km
 DEPTH = 40 km ± 0.55km

STATIONS USED = 32, STAND DEV = 1.47s

MDJ	15.3	276	cP	01 54 15.5	1.5			
CN2	18.4	275	+P	01 54 50.0	-2.8			
SNY	20.2	270	cP	01 55 12.8	-1.1			
BJI	26.1	271	cP	01 56 11.5	0.0			
HHC	29.1	276	+P	01 56 36.8	-1.6			
BTO	30.3	276	cP	01 56 49.0	0.1			
XAN	34.0	266	cP	01 57 21.8	-0.1			
LZH	36.6	273	cP	01 57 44.0	0.2			
			PMZ					1.2 0.040
GTA	37.9	280	P	01 57 54.5	-0.2			
CD2	39.4	266	cP	01 58 08.2	1.1			
GYA	40.0	258	P	01 58 13.0	0.5			

1986 3 2

O = 03 14 40.8 ± 0.07s
 LAT = 51.66 N ± 1.79km
 LONG = 156.91 E ± 1.09km
 DEPTH = 116 km ± 0.06km

STATIONS USED = 103, STAND DEV = 1.44s

m_B = 5.5 / 10

MDJ	19.5	260	-iP	03 19 00.0	-1.1			
			pP	03 19 20.5	-1.1			
			sP	03 19 40.0	2.9			
			PP	03 19 23.0	-1.2			
			S	03 22 24.0	-5.4			
			SMN	m _B = 5.6	10.0	1.63		
			LE		10.0	2.42		
CN2	22.4	262	-P	03 19 29.5	-1.5			
			pP	03 19 56.5	1.8			
			cPP	03 20 06.0	2.1			
			sP	03 20 12.0	2.9			
			cS	03 23 18.0	-6.9			
			SMN	m _B = 5.6	8.0	0.60		
			SME		8.0	0.90		
SNY	24.7	260	-iP	03 19 52.4	0.0			
			PMZ	m _B = 5.7	5.0	1.50		
			pP	03 20 20.0	3.3			
			sP	03 20 35.0	4.1			
			S	03 23 57.0	-5.3			
			SMN	m _B = 5.4	11.0	0.99		
			sS	03 24 50.0	4.2			
DL2	27.6	256	cP	03 20 18.0	-1.7			
			esP	03 20 58.0	-0.6			
			S	03 24 43.0	-7.7			
			LN		14.0	1.80		
			LE		14.0	2.28		
BJI	30.3	264	cP	03 20 43.0	-0.4			
			cpP	03 21 13.0	4.5			
			esP	03 21 25.0	2.4			

			pP	05 49 29.0	4.3				LE	Ms = 6.1	18.0	6.40	
			eS	05 56 32.0	0.0								
			SMN	$m_B = 5.8$	7.0	0.80			1986 3 2				
			LN	$M_s = 5.8$	20.0	4.03			O = 07 09 25.9	$\pm 0.07s$			
			LE		15.0	2.40			LAT = 38.50 N	$\pm 1.61km$			
XAN	52.5	280	-iP	05 49 23.2	-0.5				LONG = 142.20 E	$\pm 1.33km$			
			pP	05 49 37.5	4.5				DEPTH = 35 km	$\pm 0.54km$			
			PP	05 51 30.0	7.2				STATIONS USED = 101,	STAND DEV = 1.70s			
			eS	05 56 42.5	-4.6				$M_s = 5.4 / 45,$	$m_B = 5.6 / 14$			
			LN	$M_s = 6.0$	10.0	5.00	MDJ	11.2 307	+P	07 12 09.7	2.2		
			LE		15.0	1.19			PP	07 12 18.0	1.7		
QZH	52.6	264	+P	05 49 26.0	1.3				S	07 14 14.0	1.4		
			pP	05 49 38.5	4.6				SS	07 14 27.0	0.2		
			S	05 56 50.0	2.4				LN	$M_s = 5.0$	14.0	8.14	
			SMN	$m_B = 5.8$	6.0	0.50	CN2	13.7 298	+P	07 12 41.0	0.9		
			SME		6.0	0.45			PP	07 12 50.8	-0.3		
			LN	$M_s = 5.1$	16.0	0.97			eS	07 15 11.0	-0.9		
LZH	54.3	285	P	05 49 37.5	0.3				LN	$M_s = 5.1$	10.5	5.60	
			PMZ		1.5	0.14	SNY	14.6 289	cP	07 12 52.4	0.0		
			pP	05 49 50.0	3.6				PMZ		15.0	1.70	
			eS	05 57 15.0	3.3				eS	07 15 28.0	-6.2		
			SMN	$m_B = 5.6$	9.0	0.68			LN	$M_s = 5.4$	13.0	6.90	
			LN	$M_s = 5.6$	16.0	2.87			LE		16.0	11.1	
GTA	54.6	291	P	05 49 38.5	-0.6		DL2	16.1 278	cP	07 13 12.0	0.9		
			pP	05 49 53.0	4.7				eS	07 16 08.0	0.0		
			S	05 57 17.5	3.8				SMN	$m_B = 5.5$	9.0	2.51	
			SME	$m_B = 5.8$	8.0	0.89			LN	$M_s = 5.0$	12.0	3.40	
			LN	$M_s = 5.3$	15.5	1.35			LE		12.0	2.00	
GZH	57.3	267	eP	05 49 58.0	-0.5		SSE	18.8 253	P	07 13 44.6	0.0		
			pP	05 50 11.8	3.9				PMZ		1.2	0.19	
CD2	57.8	281	eP	05 50 02.0	-0.4				pP	07 13 52.0	-0.3		
			eS	05 57 58.0	-0.3				sP	07 13 56.0	-1.1		
			SS	06 01 56.0	6.7				S	07 17 06.0	-2.5		
			LN	$M_s = 5.6$	20.0	2.68			SMN	$m_B = 5.3$	12.0	1.50	
WMQ	58.5	302	P	05 50 08.0	0.6				sS	07 17 22.0	0.4		
			S	05 58 11.0	4.6				LN	$M_s = 5.4$	14.0	7.70	
			LN	$M_s = 6.4$	18.0	16.2	TIA	20.1 271	cP	07 13 57.8	-1.4		
GYA	59.1	275	+P	05 50 11.2	-0.2				eS	07 17 32.0	-5.9		
			pP	05 50 24.4	3.8				LN	$M_s = 5.2$	14.0	1.65	
			S	05 58 16.8	3.1				LE		14.0	4.44	
QZN	62.5	267	eP	05 50 35.2	1.1		NJ2	20.1 258	+P	07 13 57.4	-2.2		
			eS	05 59 00.0	2.1				LN	$M_s = 5.4$	13.0	6.40	
KMJ	62.5	277	eP	05 50 35.0	0.2				LE		15.0	3.50	
			eS	05 59 02.0	2.9				BJI	20.2 283	cP	07 13 57.0	-3.6
			SME		16.0	1.37			eS	07 17 36.0	-4.7		
LSA	66.4	288	P	05 51 00.1	-0.1				SMN	$m_B = 5.6$	7.0	1.50	
			iS	05 59 51.0	3.7				ScS	07 25 27.0	0.0		
			LE	$M_s = 5.3$	8.0	0.52			LN	$M_s = 5.3$	17.0	8.03	
KSH	67.8	305	eP	05 51 12.0	3.3		TIY	23.4 277	cP	07 14 32.0	-0.9		
			eS	06 00 09.0	5.2				PP	07 15 03.5	-0.7		

1986 3 2
O = 20 42 25.2 ± 0.07s
LAT = 51.71 N ± 2.66km
LONG = 176.88 W ± 1.03km
DEPTH = 29 km ± 0.31km
STATIONS USED = 66, STAND DEV = 0.97s

MDJ	35.7	280	cP	20 49 21.5	-2.0
CN2	38.7	282	+P	20 49 48.0	-0.4
			eS	20 55 42.0	-1.3
SNY	40.9	280	+iP	20 50 08.0	1.0
DL2	43.8	278	P	20 50 30.0	-1.0
BJI	46.5	283	cP	20 50 53.0	1.0
TIA	48.3	278	cP	20 51 06.8	0.3
HHC	48.8	287	cP	20 51 09.0	-1.0
SSE	49.2	270	+P	20 51 14.5	1.2
			PMZ		0.8 0.040
BTO	49.8	288	cP	20 51 19.0	0.7
NJ2	50.0	273	+P	20 51 19.1	-0.3
TIY	50.2	283	+iP	20 51 22.6	1.5
			PMZ		0.8 0.080
WHN	53.8	275	cP	20 51 47.5	-0.7
XAN	54.8	282	+iP	20 51 55.5	0.3
LZH	56.4	287	cP	20 52 08.0	0.6
			PMZ		1.0 0.080
GTA	56.6	293	cP	20 52 07.3	-0.9
CD2	60.1	283	+iP	20 52 32.9	0.2
			PMZ		0.8 0.12
GYA	61.5	277	P	20 52 42.0	-0.3
KMI	64.9	279	+P	20 53 05.0	0.2
			eS	21 01 45.0	1.8
LSA	68.5	291	iP	20 53 28.2	0.4

1986 3 3
O = 01 24 04.6 ± 0.07s
LAT = 41.99 N ± 1.37km
LONG = 20.42 E ± 1.05km
DEPTH = 19 km ± 0.28km
STATIONS USED = 49, STAND DEV = 1.06s
Ms = 5.0 / 1,

WMQ	48.1	64	cP	01 32 45.5	0.0
LZH	62.6	65	cP	01 34 32.0	1.1
HHC	65.0	57	P	01 34 45.4	-0.9
CD2	65.5	70	cP	01 34 49.6	0.1
XAN	67.2	64	cP	01 35 00.4	0.0
TIY	67.3	59	cP	01 35 01.2	-0.2
BJI	68.3	55	cP	01 35 07.0	-0.3
GYA	70.2	72	P	01 35 20.0	1.0
CN2	71.4	48	-P	01 35 25.6	-0.4
MDJ	73.0	45	cP	01 35 37.0	1.0
NJ2	75.0	60	-P	01 35 48.8	1.5

1986 3 3
O = 10 06 54.3 ± 0.11s
LAT = 9.59 N ± 1.67km
LONG = 122.27 E ± 2.57km
DEPTH = 35 km ± 0.30km
STATIONS USED = 16, STAND DEV = 2.34s
Ms = 4.3 / 1,

SSE	21.4	357	cP	10 11 43.7	2.1
			LE	Ms = 4.3	12.0 0.42
GYA	22.4	321	cP	10 11 56.8	5.7
NJ2	22.6	352	cP	10 11 54.0	0.9
CD2	27.3	324	cP	10 12 36.6	-1.8
MDJ	35.5	9	cP	10 13 48.2	-1.7
GTA	35.8	330	cP	10 13 52.0	-1.1

1986 3 3
O = 12 29 46.5 ± 0.05s
LAT = 35.56 N ± 0.55km
LONG = 98.92 E ± 0.22km
DEPTH = 17 km ± 0.14km
STATIONS USED = 5, STAND DEV = 3.52s
M_L = 2.4 / 4,

GTA	3.9	10	Pn	12 30 47.8	1.4
			Sn	12 31 24.4	-9.3
			SMN	M _L = 2.3	0.8 0.0060
			SME		0.6 0.0080
LZH	4.0	81	cPn	12 30 50.0	1.8
			eSg	12 31 50.0	-3.0
			SME	M _L = 3.2	1.0 0.050

1986 3 3
O = 14 51 13.4 ± 0.10s
LAT = 12.00 N ± 1.61km
LONG = 125.90 E ± 2.03km
DEPTH = 55 km ± 0.33km
STATIONS USED = 63, STAND DEV = 1.37s
Ms = 4.6 / 17, m_B = 5.1 / 2

GZH	16.3	314	cP	14 55 03.0	3.1
SSE	19.5	348	cP	14 55 40.0	1.1
			S	14 59 12.0	2.2
			LE	Ms = 4.3	11.0 0.53
NJ2	21.0	343	cP	14 55 55.0	0.4
			LE	Ms = 4.6	11.0 0.80
WHN	21.3	332	cP	14 55 59.0	0.9
			pP	14 56 06.0	-4.4
			eS	14 59 54.0	7.7
			SME	m _B = 5.0	12.0 0.50
			LN	Ms = 4.5	16.0 1.05
GYA	23.1	311	P	14 56 16.4	0.5

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GYA	30.2	102	cP	00 30 58.0	4.9		
1986 3 4							
O	=02 41 58.8			± 0.12s			
LAT	=17.42 S			± 1.66km			
LONG	=167.74 E			± 1.66km			
DEPTH	= 35 km			± 0.53km			
STATIONS USED = 11, STAND DEV = 2.70s							
TIY	75.5	318	c(P)	02 53 40.5	-1.9		
XAN	75.8	313	cP	02 53 42.3	-1.7		
1986 3 4							
O	=03 37 16.7			± 0.04s			
LAT	= 7.31 N			± 1.60km			
LONG	= 94.11 E			± 1.49km			
DEPTH	= 30 km			± 0.92km			
STATIONS USED = 7, STAND DEV = 1.25s							
KMI	19.5	24	cP	03 41 46.0	0.9		
GYA	22.5	31	cP	03 42 15.4	0.2		
CD2	25.2	20	cP	03 42 40.6	-0.6		
1986 3 4							
O	=03 59 58.3			± 0.11s			
LAT	=28.52 N			± 2.30km			
LONG	=140.66 E			± 2.10km			
DEPTH	= 35 km			± 0.42km			
STATIONS USED = 16, STAND DEV = 1.77s							
Ms = 4.2 / 2,							
DL2	18.9	308	cP	04 04 15.0	-3.6		
NJ2	19.2	286	+P	04 04 23.0	1.4		
			LN			Ms = 4.3	12.0 0.60
TIA	21.3	297	cP	04 04 42.3	-1.9		
WHN	23.0	281	cP	04 05 01.5	0.6		
TIY	25.3	299	cP	04 05 23.0	-0.4		
			(S)	04 09 47.5	2.9		
XAN	27.6	290	cP	04 05 44.4	-0.5		
GYA	30.2	274	P	04 06 09.0	1.1		
CD2	32.0	283	cP	04 06 24.0	-0.4		
GTA	35.3	299	P	04 06 51.1	-1.6		
1986 3 4							
O	=06 30 08.2			± 0.09s			
LAT	= 3.15 N			± 2.48km			
LONG	=127.98 E			± 4.80km			
DEPTH	= 32 km			± 0.33km			
STATIONS USED = 19, STAND DEV = 2.26s							
XAN	35.5	332	cP	06 37 04.4	0.0		
CD2	35.8	323	cP	06 37 10.4	3.1		
BJI	38.2	345	cP	06 37 27.0	-0.4		
LSA	43.8	311	cP	06 38 16.7	3.4		

GTA	44.2	328	cP	06 38 17.1	0.2		
WMQ	53.9	325	P	06 39 29.2	-2.2		
1986 3 4							
O	=08 47 13.2			± 0.05s			
LAT	=51.65 N			± 1.88km			
LONG	=167.02 W			± 0.86km			
DEPTH	= 32 km			± 0.24km			
STATIONS USED = 84, STAND DEV = 0.81s							
Ms = 5.1 / 18, m _B = 5.7 / 14							
MDJ	41.7	286	cP	08 55 00.0	-1.0		
			pP	08 55 06.0	-4.1		
			cS	09 01 10.0	-5.9		
			SME			m _B = 5.7	6.0 0.76
			LN			Ms = 4.8	30.0 1.29
CN2	44.6	288	-P	08 55 24.0	-0.8		
			PMZ			m _B = 5.6	5.0 0.50
			cS	09 01 54.0	-4.6		
			SME			m _B = 5.3	9.0 0.40
			LN			Ms = 5.1	24.0 1.60
SNY	46.9	287	-P	08 55 43.0	0.2		
			pP	08 55 48.0	-4.0		
			S	09 02 30.0	0.0		
			SME			m _B = 5.8	10.0 1.27
			SS	09 05 45.0	-4.8		
			LN			Ms = 5.0	18.0 0.89
BJI	52.4	289	cP	08 56 25.0	0.0		
			PcP	08 57 32.0	-3.1		
			PP	08 58 27.0	3.1		
			cS	09 03 48.0	0.4		
			SMN			m _B = 5.7	6.0 0.42
			SME				9.0 0.70
			LN			Ms = 5.2	25.0 1.63
TIA	54.3	285	P	08 56 38.7	-0.8		
			cS	09 04 16.5	2.4		
			SME			m _B = 5.4	9.0 0.48
			LE			Ms = 5.1	13.5 0.64
HHC	54.5	293	-P	08 56 41.0	-0.2		
			S	09 04 19.0	3.3		
			LE			Ms = 5.1	10.0 0.58
SSE	55.3	278	+P	08 56 46.5	-0.2		
			PMZ				1.2 0.060
			S	09 04 28.0	1.8		
BTO	55.6	294	-iP	08 56 49.0	0.2		
			pP	08 56 53.0	-4.9		
			S	09 04 32.5	2.7		
			LN			Ms = 5.3	15.0 0.60
			LE				15.0 1.00
NJ2	56.1	280	-P	08 56 51.0	-1.3		
			cS	09 04 32.0	-5.7		

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O = 06 02 47.7 ± 0.15s
 LAT = 34.89 N ± 1.74km
 LONG = 88.18 E ± 1.85km
 DEPTH = 30 km ± 0.07km
 STATIONS USED = 32, STAND DEV = 2.84s
 Ms = 4.8 / 13,

LSA	5.8	153	cPn	06 04 17.2	5.2		
			cSn	06 05 27.0	8.7		
			LE	Ms = 4.3	7.0	2.63	
WMQ	8.9	358	P	06 04 54.2	-3.7		
GTA	10.3	61	cP	06 05 14.8	-2.4		
			LN	Ms = 4.5	10.0	2.23	
CD2	13.7	103	cP	06 06 01.2	-1.0		
			LN	Ms = 5.0	10.0	4.00	
XAN	17.1	87	cP	06 06 46.0	-0.7		
			LN	Ms = 4.6	12.0	1.25	
			LE		11.0	0.45	
GYA	18.0	113	P	06 06 54.6	-2.7		
			LN	Ms = 4.5	14.0	1.00	
			LE		14.0	0.70	
BTO	18.2	65	cP	06 07 01.6	1.8		
			cS	06 10 16.0	-2.8		
			LN	Ms = 4.8	15.0	2.20	
			LE		16.0	1.20	
HHC	19.4	65	cP	06 07 14.0	-0.2		
WHN	22.4	94	cP	06 07 47.0	1.5		
			cS	06 11 43.0	-2.2		
			LN	Ms = 4.8	9.0	1.07	
BJI	22.8	69	cP	06 07 49.0	0.1		
QZN	24.9	124	c(P)	06 08 13.0	3.6		
			cS	06 12 30.0	1.9		
			LN	Ms = 4.8	15.0	1.20	
			LE		13.0	0.90	

1986 3 5
 O = 08 25 09.0 ± 0.15s
 LAT = 26.45 S ± 1.29km
 LONG = 178.37 E ± 2.00km
 DEPTH = 620 km ± 1.09km
 STATIONS USED = 54, STAND DEV = 1.02s

SSE	79.1	313	P	08 36 11.8	-0.8		
			PMZ			1.0	0.020
GZH	79.9	302	cP	08 36 17.0	0.4		
QZN	80.4	297	cP	08 36 20.0	0.7		
NJ2	81.2	312	+P	08 36 24.2	0.5		
WHN	83.4	309	+P	08 36 35.2	0.7		
MDJ	83.6	327	cP	08 36 34.8	-0.6		
TIA	84.9	315	cP	08 36 42.2	0.1		
CN2	85.1	325	-P	08 36 42.4	-0.3		
GYA	86.8	302	P	08 36 51.0	0.0		

BJI	87.9	317	cP	08 36 55.5	-0.4		
TIY	88.8	314	cP	08 37 01.0	0.4		
			PMZ			1.0	0.030
			pP	08 39 10.8	-1.4		
			SKS	08 46 32.5	1.9		
			S	08 46 52.0	-2.7		
KMI	89.2	299	+P	08 37 03.5	1.3		
XAN	89.2	309	-iP	08 37 02.6	0.6		
HHC	91.2	316	cP	08 37 11.0	-0.4		
			pP	08 39 23.4	0.0		
CD2	91.3	304	cP	08 37 12.8	1.2		
			pP	08 39 23.5	-0.2		
BTO	92.0	315	cP	08 37 11.4	-3.8		

1986 3 5
 O = 10 10 26.4 ± 0.30s
 LAT = 36.81 S ± 5.70km
 LONG = 51.67 E ± 5.04km
 DEPTH = 0 km ± 0.69km
 STATIONS USED = 15, STAND DEV = 4.36s

GYA	81.5	48	cP	10 22 47.0	-0.7		
CD2	83.2	43	cP	10 22 48.3	-8.2		
WMQ	86.7	25	cP	10 23 11.8	-2.3		
GTA	87.8	35	cP	10 23 25.6	5.8		
XAN	88.4	44	cP	10 23 26.7	4.4		

1986 3 5
 O = 12 14 30.0 ± 0.04s
 LAT = 24.28 N ± 0.50km
 LONG = 121.67 E ± 0.59km
 DEPTH = 66 km ± 0.61km
 STATIONS USED = 10, STAND DEV = 1.34s
 M_L = 3.1 / 3,

QZH	2.9	284	-iP	12 15 14.4	-0.4		
			S	12 15 46.0	-2.1		
			SMN	M _L = 3.3	0.2	0.14	
			SME		0.2	0.090	
SSE	6.8	357	cP	12 16 11.5	2.0		
			LE		1.2	0.010	

1986 3 5
 O = 14 26 41.2 ± 0.05s
 LAT = 2.68 S ± 0.75km
 LONG = 139.24 E ± 1.25km
 DEPTH = 33 km ± 0.08km
 STATIONS USED = 17, STAND DEV = 1.10s

XAN	46.4	325	cP	14 35 07.5	0.8		
BJI	47.5	336	cP	14 35 16.0	0.6		
CD2	47.5	317	(P)	14 35 15.8	0.0		
CN2	47.9	347	+P	14 35 18.8	0.0		

				Ms = 4.3 / 11,		m _B = 5.6 / 9	
		pP	15 59 44.0	1.6	SSE	17.2 284	cP 19 04 10.0 2.7
		sP	16 00 12.0	-0.4			csS 19 07 24.0 -3.7
		S	16 08 05.0	0.9			LN Ms = 3.9 10.0 0.22
		SMN	m _B = 5.9	9.0 2.64			
KMI	78.3 302	+P	15 58 38.5	0.5	MDJ	18.5 334	cP 19 04 23.0 -0.5
		pP	15 59 44.5	0.6	DL2	19.0 308	cP 19 04 27.2 -2.8
		sP	16 00 12.0	-1.9	NJ2	19.3 286	+P 19 04 33.0 0.5
		S	16 08 12.0	5.0			LN Ms = 4.6 9.0 0.78
		SMN	m _B = 6.0	7.0 2.44	SNY	19.4 318	+P 19 04 33.0 -0.8
		SS	16 13 26.0	6.8			pP 19 04 41.5 0.2
CD2	80.2 307	cP	15 58 47.8	0.0			S 19 07 58.0 -7.0
		pP	15 59 55.0	0.6			LE Ms = 4.3 13.0 0.59
		sP	16 00 24.0	-0.3	QZH	20.1 265	+P 19 04 41.0 -0.5
		iS	16 08 30.5	1.9			PMZ m _B = 5.2 5.5 0.72
		SMN	m _B = 6.4	5.0 4.87			cS 19 08 14.0 -6.8
		sS	16 10 27.5	3.1			LN Ms = 4.0 10.0 0.22
BTO	80.9 318	+iP	15 58 52.0	0.6	TIA	21.4 297	cP 19 04 53.3 -1.9
		pP	15 59 58.0	0.1			LE Ms = 4.6 15.0 1.08
		sP	16 00 28.5	0.7	WHN	23.1 282	cP 19 05 14.0 2.4
		iS	16 08 39.5	3.9			PMZ m _B = 5.6 5.0 1.27
		SMN	m _B = 5.7	8.0 1.50			LN Ms = 4.7 10.0 0.55
		SME		8.0 0.60			LE 10.0 0.63
LZH	82.7 312	+iP	15 59 01.5	0.9	BJI	23.3 306	cP 19 05 15.0 0.7
		PMZ		1.5 0.42			cS 19 09 26.0 4.5
		pP	16 00 10.0	2.7			SMN m _B = 5.5 6.0 0.84
		sP	16 00 38.0	0.9	TIY	25.4 299	P 19 05 34.5 0.1
		S	16 08 55.0	3.5			(S) 19 10 04.5 7.4
		SMN	m _B = 5.8	11.0 2.51			sS 19 10 14.5 3.6
		sS	16 10 53.0	3.0			LE Ms = 4.3 12.0 0.34
GTA	87.1 313	+iP	15 59 22.3	0.1	HHC	26.9 305	P 19 05 46.2 -2.2
		pP	16 00 30.4	0.8	XAN	27.7 290	cP 19 05 53.4 -2.3
		sP	16 01 00.0	0.8	BTO	28.0 304	cP 19 05 56.4 -1.6
		SKS	16 09 21.2	2.7			cS 19 10 35.0 -3.8
		S	16 09 37.4	3.7	GYA	30.3 275	P 19 06 21.6 3.3
		SMN	m _B = 5.7	7.5 1.28	CD2	32.2 284	cP 19 06 33.4 -1.7
		LN		11.0 0.55			
LSA	89.6 301	iP	15 59 34.0	-0.5	1986 3 5		
		SKS	16 09 37.0	3.0	O = 19 58 56.4 ± 0.07s		
		S	16 09 59.0	2.0	LAT = 7.97 S ± 1.12km		
		SMN	m _B = 5.6	7.0 0.72	LONG = 130.32 E ± 1.78km		
		SS	16 16 14.0	10.0	DEPTH = 33 km ± 0.10km		
WMQ	97.1 314	P	16 00 08.4	-0.3	STATIONS USED = 28, STAND DEV = 1.46s		
		SKS	16 10 15.5	0.1	SSE	39.8 348	cP 20 06 28.6 0.1
							PMZ 1.0 0.010
					GYA	41.2 327	cP 20 06 44.0 3.8
					WHN	41.2 339	P 20 06 41.0 0.7
					NJ2	41.3 345	cP 20 06 41.0 0.4
					CD2	46.3 328	cP 20 07 21.0 -0.2
					XAN	46.4 335	cP 20 07 20.8 -1.6
					BJI	49.5 346	cP 20 07 45.0 -1.3

1986 3 5
 O = 19 00 07.4 ± 0.13s
 LAT = 28.36 N ± 2.23km
 LONG = 140.74 E ± 2.25km
 DEPTH = 30 km ± 0.60km
 STATIONS USED = 31, STAND DEV = 2.08s



HHC	51.6	342	cP	20 08 00.6	-1.3		
CN2	51.7	356	cP	20 08 02.0	-1.0		
MDJ	52.3	359	cP	20 08 06.5	-1.2		
WMQ	64.4	327	P	20 09 31.4	-0.5		
1986 3 5							
O=23 52 07.6				± 0.10s			
LAT=21.91 N				± 1.13km			
LONG=103.21 E				± 0.97km			
DEPTH= 9 km				± 0.10km			
STATIONS USED = 32,				STAND DEV = 1.80s			
Ms=4.5 / 6,				M _L =4.8 / 6,			
KMI	3.2	352	Pn	23 52 57.5	-1.6		
			Pg	23 53 08.5	3.9		
			Sn	23 53 40.0	0.7		
			Sg	23 53 54.0	5.3		
			SMN	M _L =4.5	1.5	1.30	
			SME		1.5	2.00	
			LE	M _s =4.5	8.0	10.5	
GYA	5.5	34	Pn	23 53 32.0	1.6		
			Pg	23 53 52.6	7.6		
			Sg	23 55 03.0	2.5		
			LN		3.0	6.10	
			LE		3.0	6.20	
QZN	6.8	114	Pn	23 53 50.0	1.4		
			cSn	23 55 06.0	-3.0		
			LG ₂	23 55 50.0	-3.5		
			LN	M _s =4.1	13.0	1.80	
			LE		13.0	1.30	
CD2	9.0	3	cP	23 54 19.6	-1.1		
			cS	23 55 59.3	-3.6		
			LG ₂	23 57 02.0	-1.8		
			LE	M _s =4.6	6.0	1.86	
GZH	9.4	81	cP	23 54 26.0	-1.0		
			cS	23 56 10.0	-4.4		
			LN	M _s =4.9	8.0	4.73	
			LE		5.0	1.27	
XAN	13.1	21	cP	23 55 15.0	-1.8		
			LN	M _s =4.7	9.0	1.01	
			LE		9.0	1.63	
WHN	13.2	47	cP	23 55 19.0	1.1		
			sP	23 55 25.6	0.0		
			cS	23 57 43.5	-2.2		
			LG ₁	23 58 58.0	-3.6		
			LG ₂	23 59 21.0	-1.4		
			LE	M _s =4.4	11.0	1.34	
GTA	17.7	351	P	23 56 17.2	1.0		
BTO	19.5	16	cP	23 56 38.0	-0.2		
HHC	20.2	19	cP	23 56 45.0	-0.6		
BJI	21.2	28	cP	23 56 57.0	1.1		

DL2	23.1	39	cP	23 57 17.5	2.0		
1986 3 6							
O=00 05 37.6				± 0.09s			
LAT=40.47 N				± 1.91km			
LONG= 51.51 E				± 1.30km			
DEPTH= 33 km				± 0.10km			
STATIONS USED = 97,				STAND DEV = 1.09s			
Ms=6.5 / 47,				m _B =6.2 / 22			
KSH	18.8	85	+iP	00 09 55.7	-1.2		
			pP	00 10 01.7	-2.6		
			iS	00 13 22.7	0.7		
			LE	M _s =6.5	6.0	43.0	
WMQ	26.9	71	P	00 11 18.0	-0.1		
			S	00 15 54.0	3.9		
			LN	M _s =6.6	8.0	44.7	
LSA	33.9	96	-iP	00 12 20.0	-0.6		
			PcS	00 18 43.0	0.5		
			LE	M _s =6.3	20.0	37.5	
GTA	36.7	76	+iP	00 12 43.7	-0.1		
			PP	00 14 05.0	-3.7		
			iS	00 18 28.0	3.1		
			SME		30.0	11.9	
			SS	00 20 54.0	2.2		
			LE	M _s =6.4	9.0	19.7	
LZH	40.8	79	+iP	00 13 18.5	0.1		
			PMZ		2.0	1.38	
			sP	00 13 30.0	-1.6		
			cPP	00 14 50.5	-5.2		
			PcS	00 19 05.0	-3.3		
			S	00 19 30.0	3.8		
			SMN	m _B =6.2	10.0	4.68	
			LN	M _s =6.6	15.0	34.6	
			LE		15.0	22.2	
CD2	43.0	86	cP	00 13 36.2	0.5		
			sP	00 13 46.0	-3.1		
			PP	00 15 18.0	0.1		
			S	00 19 59.0	1.5		
			ScS	00 23 33.5	2.9		
			LE	M _s =6.5	17.0	32.2	
HHC	44.8	69	+P	00 13 51.5	1.2		
			pP	00 14 00.0	0.3		
			S	00 20 27.0	3.3		
			SMN	m _B =6.4	11.0	2.66	
			SME		11.0	6.43	
			SS	00 23 36.2	-1.1		
			LN	M _s =6.6	8.0	6.45	
			LE		8.0	15.1	
KMI	45.1	94	+P	00 13 52.5	-0.6		
			PMZ		3.0	2.10	

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		S	12 55 19.5	2.5				SSE	14.6	255	cP	18 29 01.6	0.3				
		SMN	$m_B = 5.7$	11.0	1.30			NJ2	16.1	261	cP	18 29 23.0	2.4				
WHN	74.2	312	P	12 46 21.0	0.5						LN	$M_S = 4.4$	11.0	0.90			
DL2	74.9	323	cP	12 46 24.0	-0.9			TIA	16.7	277	cP	18 29 27.8	0.6				
			pP	12 47 00.0	3.2			BJI	17.5	290	cP	18 29 39.0	1.9				
			eS	12 55 43.0	-7.5			WHN	20.3	261	P	18 30 10.0	0.8				
			LN			16.0	1.27				LN	$M_S = 4.5$	16.0	1.05			
MDJ	75.1	331	+iP	12 46 25.2	-0.5			TIY	20.3	282	cP	18 30 10.0	0.3				
			S	12 55 45.0	-5.6						PP	18 30 27.0	-5.1				
TIA	75.8	318	cP	12 46 29.1	-0.8						LE	$M_S = 4.2$	10.0	0.35			
SNY	75.9	326	-P	12 46 29.9	-0.5			HHC	21.0	291	P	18 30 15.6	-1.7				
CN2	76.4	328	+iP	12 46 32.0	-1.2			BTO	22.2	290	cP	18 30 25.2	-3.6				
			PMZ			2.0	0.30				cS	18 34 25.0	0.6				
			eS	12 56 03.0	-3.7						LN	$M_S = 4.5$	15.0	0.70			
GYA	77.5	305	+P	12 46 40.4	0.8						LE		15.0	0.50			
			S	12 56 13.0	-4.3			XAN	23.6	274	cP	18 30 42.4	-0.4				
BJI	78.8	321	cP	12 46 46.0	-0.6			LZH	27.3	280	P	18 31 15.0	-2.7				
			eS	12 56 27.0	-5.8			GYA	28.1	259	P	18 31 23.4	-1.3				
TIY	79.7	317	P	12 46 51.2	-0.2			CD2	28.7	270	cP	18 31 28.6	-1.3				
			PMZ			0.8	0.050	GTA	30.1	288	cP	18 31 40.4	-1.7				
			pP	12 47 25.5	2.0						LN	$M_S = 4.4$	19.0	0.55			
			S	12 56 47.0	6.6			1986 3 6 O = 21 29 18.8 $\pm 0.05s$ LAT = 29.74 N $\pm 0.46km$ LONG = 104.86 E $\pm 0.53km$ DEPTH = 2 km $\pm 0.21km$ STATIONS USED = 6, STAND DEV = 2.58s $M_L = 3.2 / 3,$									
			SMN	$m_B = 5.9$	9.0	0.41					CD2	1.5	321	Pg	21 29 46.3	0.9	
			SME		9.0	0.89								Sg	21 30 06.0	0.1	
			LE		15.0	0.54								SMN	$M_L = 3.1$	0.6	0.16
XAN	79.9	312	P	12 46 52.4	-0.2									SME		0.6	0.36
			S	12 56 42.0	-0.7									LE		3.0	0.70
			SMN	$m_B = 5.9$	10.0	1.05					GYA	3.6	154	Pn	21 30 17.2	0.6	
			SME		10.0	0.63								Pg	21 30 27.4	4.3	
HHC	82.1	319	+P	12 47 03.5	-0.6									Sg	21 31 19.2	6.4	
BTO	82.9	318	cP	12 47 08.2	-0.1									SMN	$M_L = 3.2$	1.2	0.070
LZH	84.5	312	P	12 47 17.0	0.6									SME		1.2	0.050
			PMZ			1.2	0.10							LE			
			S	12 57 36.0	6.6												
			sS	12 58 24.0	-3.7												
GTA	89.0	313	P	12 47 37.8	0.0												
1986 3 6 O = 18 25 36.3 $\pm 0.08s$ LAT = 35.97 N $\pm 1.67km$ LONG = 137.74 E $\pm 1.74km$ DEPTH = 65 km $\pm 1.82km$ STATIONS USED = 47, STAND DEV = 1.89s $M_S = 4.3 / 10,$																	
MDJ	10.6	327	cP	18 28 06.5	-1.9												
CN2	12.2	313	cP	18 28 28.5	-1.6												
			eS	18 30 54.0	8.3												
			LN	$M_S = 3.9$	11.0	0.40											
DL2	13.1	288	cP	18 28 44.0	2.2												
			LN	$M_S = 4.3$	12.0	1.01											
1986 3 6 O = 21 32 49.6 $\pm 0.19s$ LAT = 26.67 N $\pm 2.17km$ LONG = 97.04 E $\pm 1.73km$ DEPTH = 9 km $\pm 0.16km$																	

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STATIONS USED = 47, STAND DEV = 3.23s
 $M_s = 4.2 / 11$, $M_L = 4.2 / 3$

KMI	5.4	105	ePn	21 34 12.0	1.7
			Pg	21 34 32.0	7.8
			eS _{tr}	21 35 09.0	-5.1
			Sg	21 35 35.5	-2.0
			SMN		2.5 0.38
			SME		1.5 0.30
			LN	$M_s = 4.2$	8.0 2.24
LSA	6.0	302	Pn	21 34 22.1	2.6
			Sn	21 35 27.0	-3.2
			LE	$M_s = 3.5$	9.0 0.48
CD2	7.3	53	ePn	21 34 40.7	4.6
			Sn	21 36 06.0	5.0
			LE	$M_s = 3.8$	12.0 0.89
GYA	8.6	89	+P	21 34 59.0	1.2
			S	21 36 34.0	-1.8
			LN	$M_s = 4.3$	8.0 1.00
			LE		8.0 0.90
LZH	11.0	30	(P)	21 35 21.0	-10.2
			eLG ₂	21 38 47.0	-6.8
			LN	$M_s = 3.9$	8.0 0.39
XAN	12.6	52	eP	21 35 49.5	-2.8
			eLG ₁	21 39 33.0	7.3
			LE	$M_s = 3.9$	11.0 0.45
GTA	12.9	10	eP	21 35 56.5	0.0
			LE	$M_s = 4.0$	12.0 0.55
WHN	15.7	72	eP	21 36 40.5	7.8
			LN	$M_s = 4.5$	8.0 0.62
			LE		10.0 0.83
TIY	17.0	46	eP	21 36 49.6	-0.4
			LE	$M_s = 4.2$	9.0 0.39
BTO	17.6	35	eP	21 36 56.0	-0.7
			eS	21 40 06.0	-5.0
			LN	$M_s = 4.5$	12.0 0.70
			LE		12.0 0.60
WMQ	18.7	339	P	21 37 13.5	2.6
TIA	19.6	56	eP	21 37 19.0	-1.8
NJ2	19.7	69	eP	21 37 21.5	-1.2
			LN	$M_s = 4.5$	9.0 0.70
BJI	20.8	45	eP	21 37 33.0	-0.6
SSE	21.6	73	eP	21 37 40.5	-1.5
DL2	23.9	53	eP	21 38 05.0	0.0
SNY	26.5	48	eP	21 38 27.8	-1.7
CN2	28.6	46	eP	21 38 53.6	4.8
MDJ	31.7	47	eP	21 39 20.5	4.6

1986 3 6
 $O = 21 46 16.9$ $\pm 0.21s$
 $LAT = 29.66 N$ $\pm 0.93km$

LONG = 99.14 E $\pm 2.14km$
 DEPTH = 9 km $\pm 0.06km$
 STATIONS USED = 12, STAND DEV = 3.30s
 $M_s = 4.1 / 4$, $M_L = 4.2 / 2$

CD2	4.2	72	ePn	21 47 25.8	4.5
			Pg	21 47 37.3	6.5
			eSg	21 48 33.0	5.0
			LN	$M_s = 4.2$	8.0 3.99
KMI	5.5	144	ePn	21 47 43.5	3.4
			Sg	21 49 15.5	5.2
			LE	$M_s = 4.0$	8.0 1.52
LSA	7.0	272	(Pn)	21 47 54.6	-5.2
GYA	7.4	114	Pn	21 48 08.0	2.8
			Sn	21 49 29.0	-2.2
			LN	$M_s = 4.0$	8.0 0.80
			LE		8.0 0.60
LZH	7.5	30	ePn	21 48 08.0	0.6
			eLG ₂	21 50 23.0	-2.4
			LN	$M_s = 4.1$	9.0 0.91
			LE		9.0 1.02
XAN	9.4	60	eP	21 48 34.0	-1.7

1986 3 7
 $O = 02 21 27.6$ $\pm 0.07s$
 $LAT = 40.40 N$ $\pm 1.09km$
 $LONG = 51.44 E$ $\pm 0.71km$
 $DEPTH = 39 km$ $\pm 0.36km$
 STATIONS USED = 25, STAND DEV = 0.96s

KSH	18.8	85	P	02 25 47.0	-0.1
WMQ	27.0	71	P	02 27 08.5	0.4
XAN	45.5	79	P	02 29 45.8	0.1
GYA	47.4	89	P	02 30 00.4	-0.4
CN2	53.3	60	eP	02 30 44.4	-1.0

1986 3 7
 $O = 02 46 51.7$ $\pm 0.09s$
 $LAT = 4.91 S$ $\pm 1.54km$
 $LONG = 151.90 E$ $\pm 2.37km$
 $DEPTH = 123 km$ $\pm 0.87km$
 STATIONS USED = 94, STAND DEV = 1.42s

$m_B = 6.4 / 49$

QZH	43.9	314	+iP	02 54 49.0	0.7
			PMZ	$m_B = 6.7$	6.0 7.39
			PP	02 56 30.0	-3.2
			PPMZ		4.0 2.07
			ScP	03 00 14.5	3.7
			PcS	03 00 22.5	-1.1
			iS	03 01 12.0	1.8
			isS	03 01 57.0	-1.7
			ScS	03 04 38.5	7.3

		sP	02 56 39.0	-3.6					sP	02 56 59.0	-4.7			
		PP	02 58 05.0	2.0					ScP	03 01 06.5	4.0			
		ScP	03 00 54.5	4.6					S	03 03 59.0	1.6			
		S	03 03 21.0	2.0					SMN	$m_B = 6.1$	9.0	2.27		
		sS	03 04 06.0	-3.9					SME		8.0	1.41		
		ScS	03 05 36.0	3.1					LN		15.0	2.77		
		LE			15.0	2.96			LE		15.0	1.74		
GYA	53.8	308	+P	02 56 04.0	-0.1			KMI	56.3	304	+P	02 56 23.0	0.3	
			PMZ	$m_B = 6.4$	4.0	2.20					PMZ	$m_B = 6.5$	6.0	4.30
			pP	02 56 31.0	-1.5						pP	02 56 48.0	-3.2	
			sP	02 56 45.0	-1.6						iS	03 04 03.0	1.1	
			PcP	02 57 02.0	-5.6						SMN	$m_B = 5.8$	10.0	1.82
			ScP	03 00 57.4	5.2						LN		16.0	4.30
			PcS	03 01 02.0	-3.1			CD2	58.1	311	+iP	02 56 35.0	-0.3	
			S	03 03 34.0	7.8						pP	02 57 04.0	-0.2	
			SMN	$m_B = 6.4$	10.0	3.60					PP	02 58 44.0	-2.4	
			SME		10.0	4.40					S	03 04 31.0	6.8	
			ScS	03 05 40.0	3.3						LE		18.0	8.66
			LN		16.0	6.60		HHC	58.6	325	+iP	02 56 38.0	-0.8	
			LE		16.0	3.00					PMZ	$m_B = 6.6$	6.0	5.05
CN2	54.0	337	+iP	02 56 05.0	-1.0						pP	02 57 08.0	0.4	
			PMZ	$m_B = 6.4$	5.0	2.70					S	03 04 35.0	4.5	
			sP	02 56 44.0	-4.7						SMN	$m_B = 6.7$	9.0	8.65
			PcP	02 57 10.5	1.8						SME		8.0	6.08
			ScP	03 00 56.5	3.0			BTO	59.4	324	+iP	02 56 43.0	-0.8	
			S	03 03 30.0	0.0						PMZ	$m_B = 6.5$	7.0	4.40
			SMN	$m_B = 6.1$	10.0	1.90					pP	02 57 11.0	-1.8	
			SME		10.0	1.80					S	03 04 45.0	4.9	
BJI	55.5	327	cP	02 56 16.5	-0.1						SMN	$m_B = 6.0$	11.0	3.00
			cpP	02 56 43.0	-2.3						SME		11.0	1.00
			cPP	02 58 15.0	-7.9						sS	03 05 31.0	-0.9	
			ScP	03 01 04.0	4.1						LN		18.0	3.70
			cS	03 03 51.0	0.4						LE		18.0	2.90
			csS	03 04 36.0	-4.8			LZH	60.7	316	+iP	02 56 53.0	0.0	
			LN		15.0	2.70					PMZ		2.5	1.65
			LE		13.0	1.54					pP	02 57 21.0	-1.1	
TIY	56.1	323	+iP	02 56 21.0	0.2						cS	03 05 00.0	1.3	
			PMZ		1.0	0.12					SMN	$m_B = 6.0$	10.0	2.52
			pP	02 56 47.0	-2.5						sS	03 05 49.0	-0.1	
			sP	02 57 00.0	-3.6						cScS	03 06 32.0	5.0	
			S	03 04 04.0	6.9						LN		17.0	4.64
			SMN	$m_B = 6.3$	12.0	4.63		GTA	65.1	318	+iP	02 57 22.0	-0.4	
			SME		9.0	2.28					pP	02 57 50.0	-1.7	
			sS	03 04 49.0	0.5						sP	02 58 02.0	-3.5	
			SS	03 07 53.0	7.8						PP	02 59 45.0	-3.4	
			LN		11.0	1.01					S	03 05 55.0	2.4	
			LE		17.0	4.86					LN		14.0	2.43
XAN	56.1	317	+iP	02 56 20.0	-0.9			LSA	67.6	305	+P	02 57 37.2	-0.9	
			PMZ	$m_B = 6.6$	6.0	4.93					PMZ	$m_B = 6.2$	7.0	2.47
			pP	02 56 48.0	-1.7						pP	02 58 02.5	-4.8	

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WMQ	35.1	313	P	22 37 20.0	-1.3		
1986 3 8							
O=03 18 07.6					± 0.08s		
LAT=26.57 N					± 0.69km		
LONG=103.14 E					± 0.85km		
DEPTH= 4 km					± 0.01km		
STATIONS USED = 5, STAND DEV = 4.33s							
M _L =2.7 / 3,							
KMI	1.5	194	cPg	03 18 35.0	0.9		
			Sg	03 18 57.5	3.4		
			SME	M _L =2.7	1.0	0.11	
CD2	4.4	7	cPg	03 19 26.8	2.2		
1986 3 8							
O=03 59 00.5					± 0.13s		
LAT=44.16 N					± 1.37km		
LONG= 82.92 E					± 1.36km		
DEPTH= 15 km					± 0.65km		
STATIONS USED = 37, STAND DEV = 2.69s							
M _L =4.4 / 5,							
WMQ	3.5	94	Pn	03 59 59.0	4.5		
			Sg	04 00 43.5	-5.6		
KSH	7.0	230	cP*	04 01 02.0	5.6		
			cSn	04 02 10.0	5.6		
			LG ₁	04 02 39.0	-1.2		
			LN			0.4	1.20
GTA	13.5	105	P	04 02 12.0	-2.1		
			PP	04 02 23.0	-1.3		
			LG ₁	04 06 08.0	4.5		
			LN			1.2	0.040
			LE			1.2	0.050
LZH	17.9	110	cP	04 03 10.5	-0.5		
BTO	20.3	91	cP	04 03 38.5	-0.5		
CD2	21.1	122	cP	04 03 47.2	0.0		
HHC	21.3	89	cP	04 03 49.0	-0.7		
XAN	22.5	108	cP	04 04 01.0	-0.1		
TIY	23.1	96	cP	04 04 07.4	-0.2		
BJI	24.9	88	cP	04 04 25.0	0.2		
GYA	26.1	125	P	04 04 36.8	1.0		
1986 3 8							
O=07 00 54.7					± 0.08s		
LAT=32.71 N					± 1.01km		
LONG=136.00 E					± 1.36km		
DEPTH=443 km					± 0.45km		
STATIONS USED = 65, STAND DEV = 1.04s							
SSE	12.7	267	+P	07 03 42.0	-1.4		
			PMZ			1.0	0.070
MEJ	12.9	339	cP	07 03 44.5	-1.1		

DL2	13.2	302	P	07 03 47.9	-0.9		
SNY	13.4	316	-iP	07 03 51.0	-0.3		
CN2	13.8	326	-iP	07 03 55.0	-0.4		
NJ2	14.5	272	-iP	07 04 02.0	-0.6		
TIA	16.0	288	cP	07 04 16.6	-0.8		
BJI	17.5	300	cP	07 04 33.0	-0.3		
WHN	18.6	269	-iP	07 04 45.0	1.6		
			PMZ			0.7	0.43
TIY	19.9	291	P	07 04 57.2	1.1		
			PMZ			0.6	0.13
BTO	22.2	298	-iP	07 05 18.7	0.3		
XAN	22.6	281	-iP	07 05 22.0	0.0		
GYA	26.2	264	P	07 05 53.6	-0.8		
CD2	27.4	275	-iP	07 06 04.6	-0.3		
GTA	29.9	293	-iP	07 06 25.5	-0.9		
LSA	38.3	278	c(P)	07 07 36.3	-1.2		
WMQ	39.0	301	P	07 07 44.5	1.3		

1986 3 8							
O=07 36 40.0					± 0.05s		
LAT= 3.16 N					± 1.05km		
LONG=125.47 E					± 1.37km		
DEPTH=181 km					± 0.05km		
STATIONS USED = 15, STAND DEV = 1.12s							
XAN	34.4	335	P	07 43 11.2	-0.9		
CD2	34.4	326	cP	07 43 12.6	0.5		
BJI	37.7	348	cP	07 43 40.0	0.4		
LSA	41.9	313	(P)	07 44 16.0	1.1		

1986 3 8							
O=10 26 48.3					± 0.07s		
LAT=40.43 N					± 1.15km		
LONG= 51.44 E					± 0.86km		
DEPTH= 53 km					± 0.27km		
STATIONS USED = 34, STAND DEV = 1.09s							
KSH	18.8	85	cP	10 31 05.9	-0.8		
			cS	10 34 34.9	4.0		
			LG ₁	10 36 35.9	-3.9		
			LG ₂	10 37 04.9	-4.7		
WMQ	27.0	71	P	10 32 28.0	0.7		
CD2	43.0	86	cP	10 34 46.6	1.9		
KMI	45.1	94	cP	10 35 03.0	0.9		
XAN	45.5	79	cP	10 35 04.3	-0.6		
WHN	51.2	80	cP	10 35 49.5	0.6		
CN2	53.3	60	cP	10 36 03.6	-1.0		

1986 3 8							
O=16 40 33.0					± 0.16s		
LAT=24.76 N					± 1.94km		
LONG=123.06 E					± 2.39km		

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DEPTH = 17 km ± 0.60km
STATIONS USED = 26, STAND DEV = 2.40s
Ms = 4.2 / 6,

QZH	4.1	273	Pn	16 41 35.5	0.7		
			Sn	16 42 27.0	3.0		
SSE	6.5	346	cPn	16 42 07.0	-1.7		
			LG ₂	16 44 14.0	5.8		
			LE	Ms = 3.8	14.0	1.17	
XAN	15.4	310	P	16 44 16.5	5.1		
			cLG ₂	16 49 09.0	8.3		
			LN	Ms = 4.4	9.0	0.41	
			LE		10.0	0.63	
TIY	15.8	327	cP	16 44 22.2	5.8		
			LE	Ms = 4.2	11.0	0.62	
CD2	18.1	294	cP	16 44 46.0	-0.1		
			LN	Ms = 4.6	7.0	0.68	
HHC	18.7	332	cP	16 44 54.8	1.6		
CN2	19.1	5	cP	16 44 57.6	-0.3		
			cS	16 48 33.0	5.9		
BTO	19.2	329	cP	16 45 01.2	2.1		
			LN	Ms = 4.2	13.0	0.30	
			LE		13.0	0.40	
LZH	20.0	309	cP	16 45 07.0	-1.3		
MDJ	20.5	13	cP	16 45 14.0	0.6		
GTA	24.4	312	cP	16 45 51.6	-0.8		
WMQ	34.5	312	P	16 47 17.3	-5.7		

1986 3 8
O = 20 53 55.7 ± 0.10s
LAT = 3.89 N ± 1.50km
LONG = 128.70 E ± 2.15km
DEPTH = 45 km ± 0.21km
STATIONS USED = 80, STAND DEV = 1.42s
Ms = 4.7 / 16, m_B = 5.2 / 4

QZH	23.1	336	cP	20 58 59.0	0.5		
			sP	20 59 11.0	-3.5		
			cS	21 03 05.5	3.3		
			SMN	m _B = 5.1	9.0	0.51	
			LN	Ms = 4.3	16.0	0.58	
QZN	23.8	311	P	20 59 04.0	-1.4		
			cS	21 03 12.0	-2.5		
			LN	Ms = 4.7	13.0	0.60	
			LE		14.0	0.90	
GZH	24.2	323	cP	20 59 08.5	-0.7		
			sP	20 59 20.7	-4.5		
			cS	21 03 28.0	6.7		
SSE	28.0	346	cP	20 59 47.0	2.4		
			sP	20 59 56.0	-4.7		
			cS	21 04 28.0	4.3		
			LE	Ms = 4.9	10.0	0.98	

NJ2	29.5	343	cP	21 00 00.0	1.8		
			cS	21 04 52.0	3.8		
			LN	Ms = 5.0	10.0	1.10	
WHN	29.8	334	cP	21 00 01.5	0.9		
			pP	21 00 10.0	-2.0		
			S	21 04 54.0	2.3		
			SMN	m _B = 5.1	8.0	0.35	
			LN	Ms = 4.6	10.0	0.50	
GYA	30.8	319	P	21 00 09.8	-0.1		
			sP	21 00 21.2	-4.8		
			S	21 05 17.0	9.2		
KMI	32.7	313	+P	21 00 26.0	-0.6		
TIA	33.9	343	cP	21 00 36.8	0.1		
			sP	21 00 49.6	-3.4		
			cS	21 05 53.0	-4.0		
			LE	Ms = 4.8	14.0	0.79	
XAN	35.2	331	P	21 00 47.0	-1.0		
			PMZ		1.0	0.030	
			S	21 06 14.0	-2.3		
CD2	35.7	322	cP	21 00 52.3	0.0		
			sP	21 01 04.0	-4.6		
			cS	21 06 25.0	-0.1		
			LE	Ms = 4.7	22.0	0.95	
TIY	36.8	338	P	21 01 01.7	0.1		
			sP	21 01 13.0	-5.0		
			S	21 06 42.0	0.9		
			ScS	21 11 02.0	-7.8		
			LE	Ms = 4.6	12.0	0.34	
BJI	37.7	344	cP	21 01 08.5	-0.8		
			cS	21 06 52.0	-4.0		
SNY	38.1	354	cP	21 01 10.8	-1.2		
			cS	21 07 03.0	2.1		
			LE	Ms = 4.9	22.0	1.23	
LZH	39.4	328	-P	21 01 24.5	1.2		
			PMZ		1.5	0.39	
			sP	21 01 36.0	-3.6		
			cS	21 07 24.0	2.4		
CN2	39.9	356	cP	21 01 30.4	3.5		
			pP	21 01 38.0	-0.4		
			LN	Ms = 4.7	22.0	0.70	
BTO	40.2	338	P	21 01 30.1	-0.2		
			csP	21 01 42.0	-4.7		
			cS	21 07 35.0	0.9		
MDJ	40.6	1	+P	21 01 33.0	0.1		
			pP	21 01 44.7	0.3		
			cS	21 07 35.0	-3.8		
			LN	Ms = 4.8	20.0	0.87	
LSA	43.8	310	cP	21 02 00.2	0.2		
GTA	44.0	327	-iP	21 02 01.2	0.1		
			sP	21 02 12.8	-4.6		

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	eS	21 08 30.5	1.0		
	SME	$m_B = 5.2$	7.0	0.29	
WMQ	53.7 324 P	21 03 16.0	-0.3		
	PcP	21 04 23.0	2.2		
	PP	21 05 17.5	-0.2		
	ScP	21 08 17.3	4.1		
	S	21 10 46.5	2.1		
	ScS	21 13 03.3	6.3		
	LN	$M_s = 4.9$	20.0	0.75	

1986 3 8

O = 23 38 51.6 ± 0.12s
 LAT = 46.72 N ± 3.41km
 LONG = 152.35 E ± 1.98km
 DEPTH = 67 km ± 0.61km
 STATIONS USED = 30, STAND DEV = 2.55s

MDJ	16.0	271	eP	23 42 35.7	1.1
CN2	19.1	271	eP	23 43 10.6	-1.6
SNY	21.1	267	+iP	23 43 34.2	1.2
BJI	27.0	269	eP	23 44 32.0	2.9
HHC	29.8	274	eP	23 44 44.8	-9.8
XAN	35.0	265	eP	23 45 40.3	0.4
GTA	38.5	279	eP	23 46 10.9	1.7
CD2	40.4	265	eP	23 46 26.8	2.0
GYA	41.2	257	P	23 46 35.6	3.8

1986 3 9

O = 01 55 23.6 ± 0.14s
 LAT = 52.18 N ± 0.97km
 LONG = 169.47 W ± 0.68km
 DEPTH = 34 km ± 1.22km
 STATIONS USED = 14, STAND DEV = 3.05s

WHN	58.3	280	eP	02 05 17.0	-1.1
XAN	59.1	287	eP	02 05 23.4	-0.2
CD2	64.4	288	eP	02 05 59.6	0.6
GYA	65.9	282	P	02 06 09.0	-0.1

1986 3 9

O = 08 41 56.2 ± 0.15s
 LAT = 8.18 S ± 2.59km
 LONG = 111.78 E ± 3.49km
 DEPTH = 116 km ± 0.34km
 STATIONS USED = 54, STAND DEV = 2.00s

QZN	27.1	356	eP	08 47 36.8	6.4
			eS	08 52 07.0	8.4
KMI	34.3	345	eP	08 48 37.0	3.4
GYA	34.8	352	P	08 48 38.8	0.8
			pP	08 49 05.6	2.1
CD2	39.6	349	eP	08 49 19.3	0.9
NJ2	40.6	9	-P	08 49 28.4	2.2

			ScP	08 55 07.0	3.5
XAN	42.1	356	P	08 49 38.8	0.2
LZH	44.7	351	eP	08 50 00.5	0.9
			pP	08 50 26.0	0.4
			S	08 56 28.0	2.4
TIY	45.7	1	eP	08 50 07.0	-0.4
			LE		11.0 0.31
BJI	48.1	5	eP	08 50 25.5	-1.4
BTO	48.6	358	-iP	08 50 30.3	0.1
GTA	48.6	348	P	08 50 30.8	0.0
			pP	08 50 58.0	0.9
			ScP	08 55 38.0	1.5
			ScS	09 00 08.1	0.5
HHC	48.8	360	-P	08 50 31.2	-0.7
SNY	50.9	11	-iP	08 50 46.9	-1.2
CN2	53.2	12	-P	08 51 02.8	-2.4
WMQ	56.2	339	P	08 51 26.0	-0.9
			pP	08 51 51.5	-2.5
			sP	08 52 06.0	-1.3

1986 3 9

O = 09 17 49.2 ± 0.05s
 LAT = 40.26 S ± 0.80km
 LONG = 173.30 E ± 0.17km
 DEPTH = 233 km ± 0.40km
 STATIONS USED = 15, STAND DEV = 0.79s

NJ2	87.8	316	-P	09 30 14.4	0.4
WHN	89.1	312	P	09 30 20.5	0.3
TIA	92.0	318	eP	09 30 33.0	-0.4
CN2	94.1	327	-P	09 30 42.6	-0.7
XAN	94.8	311	eP	09 30 46.4	-0.1

1986 3 9

O = 09 41 01.4 ± 0.15s
 LAT = 2.21 N ± 2.75km
 LONG = 127.77 E ± 3.41km
 DEPTH = 103 km ± 0.48km
 STATIONS USED = 42, STAND DEV = 1.80s

QZN	24.2	315	eP	09 46 10.9	0.9
QZH	24.3	339	eP	09 46 11.0	0.7
WHN	30.9	337	P	09 47 12.5	1.7
GYA	31.5	322	eP	09 47 16.0	-0.1
XAN	36.2	333	+iP	09 47 56.6	0.0
CD2	36.5	324	eP	09 47 58.6	-0.1
BJI	39.1	346	eP	09 48 20.5	0.0
SNY	39.6	355	eP	09 48 26.4	1.6
LZH	40.3	330	+iP	09 48 32.5	1.7
			PMZ		1.5 0.14
CN2	41.5	357	eP	09 48 39.0	-1.0
MDJ	42.3	2	eP	09 48 47.0	0.5

GTA	44.9	329	+iP	09 49 08.8	0.6
			PcP	09 50 49.1	1.5
WMQ	54.6	325	-P	09 50 21.6	-0.1
1986 3 9					
O=	12 11 53.4			± 0.07s	
LAT=	2.82 S			± 1.05km	
LONG=	140.92 E			± 1.64km	
DEPTH=	31 km			± 0.21km	
STATIONS USED = 42, STAND DEV = 1.32s					
QZN	37.5	307	P	12 19 06.5	0.1
NJ2	40.5	331	+P	12 19 32.5	0.9
GYA	44.1	314	P	12 20 02.2	1.3
SNY	47.2	342	eP	12 20 29.8	4.7
XAN	47.5	323	-P	12 20 27.6	0.0
MDJ	48.3	349	-P	12 20 33.7	-0.5
BJI	48.3	335	eP	12 20 33.5	-0.8
CN2	48.4	345	-P	12 20 33.7	-1.7
CD2	48.8	316	eP	12 20 38.8	1.0
GTA	56.5	322	-iP	12 21 35.4	-0.1
WMQ	66.5	321	P	12 22 42.9	0.1

1986 3 9					
O=	12 25 05.1			± 0.06s	
LAT=	32.45 N			± 1.31km	
LONG=	141.14 E			± 1.16km	
DEPTH=	77 km			± 0.35km	
STATIONS USED = 100, STAND DEV = 1.17s					
Ms=4.3 / 8,		m _B =5.4 / 6			
MDJ	15.1	327	eP	12 28 35.4	-0.4
CN2	16.7	317	+P	12 28 55.7	-0.4
			eS	12 32 02.0	3.4
			LN	Ms=4.3	11.0 0.60
SNY	16.8	309	-P	12 28 59.4	2.2
			eS	12 32 03.0	2.4
			LN	Ms=4.2	28.0 1.00
			LE		28.0 1.04
SSE	17.0	271	+P	12 29 01.0	1.2
			PMZ		1.0 0.11
			LE	Ms=4.4	28.0 1.93
DL2	17.1	298	eP	12 29 01.4	0.7
NJ2	18.8	275	+P	12 29 21.7	-0.1
			LE	Ms=5.3	14.0 6.80
TIA	20.2	287	eP	12 29 35.7	-0.3
QZH	21.1	255	eP	12 29 44.5	-1.2
			eS	12 33 34.0	2.6
			SS	12 34 13.0	4.4
BJI	21.5	298	eP	12 29 48.0	-1.1
			eS	12 33 44.0	6.2
WHN	22.9	272	P	12 30 03.5	0.2

			eS	12 34 10.0	6.4
			SME	m _B =5.1	10.0 0.42
TIY	24.0	291	eP	12 30 14.5	0.3
			PMZ		1.2 0.16
			S	12 34 27.5	5.3
			SME	m _B =5.4	8.0 0.66
			LE	Ms=4.3	16.0 0.51
HHC	25.1	298	+P	12 30 24.0	-0.4
			S	12 34 45.0	5.1
			SME	m _B =5.2	9.0 0.66
BTO	26.2	297	+iP	12 30 35.0	0.1
			S	12 35 03.0	4.5
			LN	Ms=4.7	18.0 0.60
			LE		20.0 1.20
XAN	26.9	282	+P	12 30 40.6	-1.0
GYA	30.5	268	-P	12 31 12.2	-1.6
			S	12 36 08.4	0.7
LZH	30.9	287	+iP	12 31 16.5	-0.8
			PMZ		1.7 0.10
QZN	31.1	252	eP	12 31 19.5	1.0
CD2	31.7	277	eP	12 31 24.0	-0.5
			eS	12 36 28.0	0.0
GTA	33.9	294	+iP	12 31 43.1	-0.6
KMI	34.3	268	+P	12 31 45.0	-1.7
WMQ	42.9	301	-P	12 32 59.5	1.5
			S	12 39 20.0	4.3
			SME	m _B =5.5	7.0 0.51
KSH	52.2	297	eP	12 34 13.0	2.1
			SME	m _B =5.4	8.0 0.40

1986 3 9					
O=	13 49 26.9			± 0.12s	
LAT=	54.23 N			± 4.41km	
LONG=	168.00 W			± 1.97km	
DEPTH=	34 km			± 0.78km	
STATIONS USED = 75, STAND DEV = 1.97s					
Ms=5.9 / 30,		m _B =5.5 / 6			
MDJ	40.5	283	eP	13 57 06.7	2.3
			S	14 03 14.0	4.1
			SS	14 06 02.0	-2.8
			LN	Ms=5.8	16.0 6.73
CN2	43.3	284	+P	13 57 26.8	-1.0
			PcP	13 59 18.0	1.9
			S	14 03 50.5	-1.5
			SMN	m _B =5.4	7.0 0.40
			eSS	14 06 58.0	-2.1
			LN	Ms=5.7	15.0 5.00
SNY	45.6	284	eP	13 57 45.3	-1.1
			S	14 04 24.0	-1.4
			SMN		18.0 1.72

CD2	18.2	294	eP	17 45 59.6	-2.4
HHC	18.7	332	(P)	17 46 10.0	1.7
CN2	19.1	5	eP	17 46 17.0	4.8
BTO	19.2	328	eP	17 46 15.8	1.5
GTA	24.5	312	P	17 47 06.4	-1.4

				Sg	20 53 37.2	2.0
				SMN	$M_L=4.0$	1.0 0.050
				SME		1.0 0.090
XAN	9.6	247	eP	20 52 20.2	4.5	
GTA	15.4	280	eP	20 53 36.6	2.9	

1986 3 9

O=19 57 13.3 ± 0.17s
 LAT= 6.90 S ± 1.98km
 LONG=154.74 E ± 2.15km
 DEPTH= 34 km ± 0.22km

STATIONS USED = 15, STAND DEV = 2.30s

XAN	59.5	316	eP	20 07 15.2	-0.6
KMI	59.8	304	eP	20 07 19.5	1.5
CD2	61.6	311	-iP	20 07 30.5	0.4
			PMZ		0.8 0.020
GTA	68.5	317	P	20 08 15.4	0.4

1986 3 9

O=20 49 54.6 ± 0.13s
 LAT=38.34 N ± 1.62km
 LONG=119.54 E ± 1.33km
 DEPTH= 13 km ± 0.58km

STATIONS USED = 19, STAND DEV = 4.32s

$M_L=3.8/13,$

DL2	1.7	70	Pn	20 50 24.4	-0.3
			Pg	20 50 27.1	2.0
			Sn	20 50 42.8	-5.6
			Sg	20 50 48.2	-0.6
			SMN	$M_L=4.2$	0.4 2.11
			SME		0.4 3.06
TIA	2.9	223	+Pn	20 50 41.0	0.5
			Sn	20 51 14.8	-1.9
			SMN	$M_L=3.7$	0.3 0.27
			SME		0.3 0.36
BJI	3.1	304	Pn	20 50 40.0	-3.8
			Pg	20 50 49.0	-0.6
			Sg	20 51 29.5	-2.8
			SMN	$M_L=3.2$	0.5 0.080
			SME		0.5 0.10
SNY	4.7	40	ePn	20 51 06.8	1.8
			Pg	20 51 20.0	3.2
			Sn	20 51 58.3	-2.7
			Sg	20 52 21.9	1.4
			SMN	$M_L=3.8$	0.6 0.15
			SME		0.5 0.10
TIY	5.6	266	Pg	20 51 35.1	0.6
			Sg	20 52 49.7	-1.8
CN2	7.0	37	ePn	20 51 41.2	3.4
			cSn	20 52 59.0	-1.1

1986 3 10

O=04 09 18.7 ± 0.12s
 LAT= 5.37 N ± 1.85km
 LONG=127.62 E ± 2.85km
 DEPTH= 69 km ± 0.57km

STATIONS USED = 55, STAND DEV = 1.88s

QZH	21.3	337	eP	04 14 09.2	7.4
QZN	22.0	310	eP	04 14 08.7	-0.2
			cS	04 18 05.0	2.4
GZH	22.4	323	eP	04 14 12.1	-0.2
WHN	28.0	335	eP	04 15 07.0	1.6
GYA	29.0	319	eP	04 15 14.6	0.1
TIA	32.2	344	eP	04 15 42.2	-0.3
XAN	33.4	331	+P	04 15 51.8	-1.3
DL2	33.8	352	eP	04 15 56.0	-0.8
CD2	33.9	321	eP	04 15 57.0	-0.4
TIY	35.0	339	P	04 16 06.5	-0.9
BJI	36.0	345	eP	04 16 15.0	-0.6
SNY	36.5	355	eP	04 16 21.0	1.6
LZH	37.6	328	+iP	04 16 29.5	0.7
			PMZ		2.0 0.060
HHC	38.1	340	P	04 16 32.0	-1.5
BTO	38.5	338	eP	04 16 37.6	1.4
GTA	42.2	327	+iP	04 17 06.8	0.0
WMQ	51.9	324	eP	04 18 23.4	0.2

1986 3 10

O=04 36 17.8 ± 0.20s
 LAT=28.17 N ± 1.96km
 LONG=140.86 E ± 2.87km
 DEPTH= 41 km ± 0.75km

STATIONS USED = 16, STAND DEV = 2.14s

SSE	17.4	284	P	04 40 18.0	-0.7
			LN	$M_s=3.9$	10.0 0.22
NJ2	19.4	287	+P	04 40 42.5	-1.1
QZH	20.2	266	+P	04 40 53.0	1.2
			pP	04 41 05.4	3.9
WHN	23.2	282	P	04 41 24.0	1.7
			PMZ	$m_B=5.2$	6.0 0.63
			S	04 45 28.0	1.4
			SMN	$m_B=5.1$	6.0 0.36
			LN	$M_s=4.5$	9.0 0.36
			LE		10.0 0.42

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BJI	23.5	307	eP	04 41 24.0	-1.5		
			eS	04 45 37.0	3.9		
			SMN	$m_B = 5.2$	6.0	0.39	
			SME		8.0	0.29	
TIY	25.6	299	P	04 41 48.0	2.6		
			eS	04 46 17.0	8.8		
			sS	04 46 26.0	0.3		
			LE	$M_s = 4.2$	12.0	0.27	
BTO	28.2	304	P	04 42 09.0	0.0		
			eS	04 46 53.0	3.0		
CD2	32.3	284	eP	04 42 43.8	-1.8		
GTA	35.6	299	eP	04 43 12.5	-1.8		

1986 3 10

O = 10 48 13.6 ± 0.05s
 LAT = 5.42 N ± 0.83km
 LONG = 125.44 E ± 1.15km
 DEPTH = 33 km ± 0.10km
 STATIONS USED = 19, STAND DEV = 2.50s

QZN	20.4	313	P	10 52 50.4	0.2		
XAN	32.3	334	eP	10 54 41.5	-1.1		
CD2	32.5	324	eP	10 54 44.0	-0.2		
BJI	35.5	348	eP	10 55 10.0	0.6		

1986 3 10

O = 12 53 23.0 ± 0.03s
 LAT = 38.41 N ± 0.33km
 LONG = 103.61 E ± 0.27km
 DEPTH = 18 km ± 0.16km
 STATIONS USED = 5, STAND DEV = 1.55s

$M_L = 2.4 / 3,$

LZH	2.3	175	ePg	12 54 04.0	-0.5		
GTA	3.1	290	Pn	12 54 12.1	0.0		
			Pg	12 54 17.8	-0.5		
			Sn	12 54 51.9	1.3		
			Sg	12 54 59.3	-1.7		
			SMN	$M_L = 2.4$	0.4	0.014	
			SME		0.4	0.012	

1986 3 10

O = 13 57 13.7 ± 0.07s
 LAT = 10.78 S ± 1.33km
 LONG = 66.44 E ± 1.50km
 DEPTH = 9 km ± 0.11km
 STATIONS USED = 23, STAND DEV = 0.98s

GYA	53.8	46	P	14 06 40.0	0.2		
CD2	54.8	40	eP	14 06 46.5	-0.2		
WMQ	57.7	18	P	14 07 07.5	-0.1		
GTA	58.8	30	P	14 07 14.8	-0.6		
XAN	60.1	40	eP	14 07 23.2	-1.3		

TIY	64.6	39	eP	14 07 53.8	-0.9		
TIA	66.8	43	eP	14 08 08.7	0.3		
BJI	68.4	39	(P)	14 08 17.0	-1.4		

1986 3 10

O = 14 50 18.2 ± 0.05s
 LAT = 7.44 N ± 0.65km
 LONG = 94.33 E ± 0.73km
 DEPTH = 32 km ± 0.07km
 STATIONS USED = 10, STAND DEV = 1.13s

LSA	22.3	353	eP	14 55 14.5	-1.1		
CD2	25.0	19	(P)	14 55 39.0	-1.7		
XAN	29.7	25	eP	14 56 25.0	1.1		
GTA	32.2	8	eP	14 56 47.1	0.9		

1986 3 10

O = 21 09 14.5 ± 0.11s
 LAT = 23.80 S ± 1.18km
 LONG = 179.12 E ± 0.42km
 DEPTH = 548 km ± 1.24km
 STATIONS USED = 14, STAND DEV = 1.22s

CN2	83.3	324	-P	21 20 45.0	-0.8		
TIA	83.6	314	eP	21 20 47.5	0.5		
XAN	88.0	309	+P	21 21 09.0	0.6		
CD2	90.4	304	eP	21 21 20.7	1.5		

1986 3 11

O = 00 35 55.7 ± 0.15s
 LAT = 23.27 N ± 1.06km
 LONG = 108.79 E ± 1.78km
 DEPTH = 16 km ± 0.61km
 STATIONS USED = 6, STAND DEV = 4.76s

$M_L = 3.7 / 4,$

GYA	3.7	329	Pn	00 36 52.0	-1.0		
			Pg	00 37 04.0	2.7		
			Sn	00 37 37.0	-1.3		
			Sg	00 37 50.0	-2.1		
			SMN	$M_L = 3.7$	1.0	0.20	
			SME		1.0	0.20	
GZH	4.2	92	ePn	00 36 56.8	-2.7		
			Sn	00 37 58.0	7.8		
			SMN	$M_L = 3.6$	1.0	0.14	
			SME		1.0	0.11	
QZN	4.3	167	ePn	00 37 04.0	2.6		

1986 3 11

O = 08 18 23.8 ± 0.10s
 LAT = 40.34 N ± 0.80km
 LONG = 51.47 E ± 0.50km
 DEPTH = 45 km ± 0.78km

STATIONS USED = 13, STAND DEV = 1.05s
 $m_B = 5.4 / 1$

KSH	18.8	85	eP	08 22 42.9	0.3
			SMN	$m_B = 5.4$	5.0 0.70
WMQ	27.0	71	eP	08 24 04.0	0.3
XAN	45.5	79	eP	08 26 41.0	-0.3
CN2	53.3	60	eP	08 27 40.0	-1.1

1986 3 11

O = 09 19 31.2 ± 0.15s

LAT = 1.75 S ± 2.13km

LONG = 134.50 E ± 3.78km

DEPTH = 10 km ± 0.18km

STATIONS USED = 40, STAND DEV = 1.91s

QZN	31.8	312	P	09 25 58.0	-0.9
			eS	09 31 03.0	-5.4
SSE	35.0	340	eP	09 26 26.0	-0.5
NJ2	36.7	337	eP	09 26 40.6	-0.4
GYA	38.8	318	eP	09 27 05.0	6.2
CD2	43.7	321	eP	09 27 39.0	0.3
SNY	44.5	348	eP	09 27 44.2	-0.8
BJI	44.8	340	eP	09 27 47.0	-0.8
CN2	46.1	351	P	09 27 56.4	-1.2
MDJ	46.4	355	eP	09 27 59.0	-1.0
LZH	47.3	326	eP	09 28 07.5	0.3
HHC	47.3	336	eP	09 28 06.0	-1.2
GTA	51.9	326	eP	09 28 42.0	-0.6
WMQ	61.7	323	eP	09 29 52.3	-0.3

1986 3 11

O = 12 32 08.3 ± 0.10s

LAT = 28.17 N ± 1.72km

LONG = 140.76 E ± 1.72km

DEPTH = 51 km ± 0.72km

STATIONS USED = 25, STAND DEV = 1.62s

$M_s = 4.3 / 5,$

$m_B = 5.3 / 14$

SSE	17.3	284	+P	12 36 07.0	-0.6
			PMZ	$m_B = 5.1$	7.0 0.62
			sS	12 39 28.0	-3.7
			LN	$M_s = 4.0$	12.0 0.36
DL2	19.2	309	eP	12 36 29.5	-1.2
			PMZ	$m_B = 5.2$	6.0 0.72
			eS	12 39 56.0	-2.6
NJ2	19.3	287	+P	12 36 34.5	2.0
			PMZ	$m_B = 5.4$	5.0 1.00
SNY	19.5	319	+P	12 36 33.0	-1.7
			pP	12 36 41.0	-4.3
			eS	12 40 06.0	-0.9
			LE	$M_s = 4.3$	12.0 0.54
QZH	20.1	266	eP	12 36 40.0	-0.6

			PMZ	$m_B = 5.1$	4.0 0.36
			PP	12 37 03.0	2.7
			eS	12 40 13.0	-5.3
			SMN	$m_B = 4.9$	7.0 0.29
			SS	12 40 37.5	-9.9
TIA	21.5	298	eP	12 36 53.1	-2.1
			PMZ	$m_B = 5.4$	4.6 0.81
			eS	12 40 51.0	5.6
			SME	$m_B = 5.3$	5.5 0.49
			LE	$M_s = 4.2$	11.0 0.33
WHN	23.1	282	eP	12 37 14.0	2.9
			PMZ	$m_B = 5.4$	5.0 0.95
			PP	12 37 47.0	5.3
			eS	12 41 21.0	6.5
			SMN	$m_B = 5.3$	6.0 0.54
			LN	$M_s = 4.5$	10.0 0.55
			LE		12.0 0.25
BJI	23.5	307	eP	12 37 14.0	-0.4
			eS	12 41 22.0	1.4
			SMN	$m_B = 5.2$	7.0 0.33
			SME		8.0 0.29
TIY	25.5	299	eP	12 37 33.5	-0.8
			S	12 41 56.0	1.3
			sS	12 42 14.5	-1.7
XAN	27.8	290	eP	12 37 53.4	-1.9
BTO	28.1	304	eP	12 37 58.0	0.1
			S	12 42 38.0	1.6
QZN	29.7	259	eP	12 38 13.0	1.0
			eS	12 43 03.5	0.8
CD2	32.2	284	eP	12 38 33.1	-1.3
GTA	35.6	299	eP	12 39 01.3	-1.9

1986 3 11

O = 15 09 19.3 ± 0.06s

LAT = 36.55 N ± 1.23km

LONG = 71.06 E ± 1.00km

DEPTH = 211 km ± 0.49km

STATIONS USED = 34, STAND DEV = 1.30s

KSH	4.8	52	eP	15 10 32.8	-0.2
			eS	15 11 27.8	-2.3
WMQ	14.6	55	eP	15 12 36.5	-1.4
LSA	18.1	106	-P	15 13 19.2	0.2
GTA	22.8	74	+P	15 14 06.8	1.7
CD2	27.7	92	eP	15 14 51.4	1.2
XAN	30.9	83	eP	15 15 18.0	-0.4
GYA	31.8	98	eP	15 15 26.8	0.1
WHN	36.3	87	eP	15 16 06.0	1.0
NJ2	39.4	82	+P	15 16 32.0	1.3
SSE	41.6	82	P	15 16 50.0	1.4
			PMZ		0.8 0.020

1986 3 12
 O=01 16 17.0 ± 0.12s
 LAT= 2.51 S ± 2.08km
 LONG=120.31 E ± 3.89km
 DEPTH= 31 km ± 0.73km
 STATIONS USED = 19, STAND DEV= 2.43s

XAN	37.9	345	cP	01 23 28.5	-5.0
BJI	42.5	355	cP	01 24 11.0	-0.6
GTA	45.8	338	P	01 24 39.0	0.9
MDJ	47.6	9	cP	01 24 50.6	-2.1
WMQ	54.6	331	cP	01 25 45.4	-0.1

1986 3 12
 O=05 19 56.6 ± 0.08s
 LAT=36.70 N ± 0.70km
 LONG=105.75 E ± 0.67km
 DEPTH= 14 km ± 0.31km
 STATIONS USED = 7, STAND DEV= 2.60s
 M_L=3.0/ 6,

LZH	1.7	249	cPn	05 20 25.0	-0.9
			cSg	05 20 46.0	-2.5
			SMN	M _L =3.0	0.5 0.22
			SME		0.5 0.13
XAN	3.7	135	cPg	05 21 00.8	-1.5
			eSg	05 21 49.3	-3.6
GTA	5.4	302	Pg	05 21 34.8	2.5
			Sg	05 22 38.3	-7.7
			SMN	M _L =2.6	0.6 0.0050
			SME		0.6 0.0060

1986 3 12
 O=06 41 26.0 ± 0.10s
 LAT=29.77 N ± 1.59km
 LONG=142.15 E ± 2.75km
 DEPTH= 35 km ± 0.40km
 STATIONS USED = 12, STAND DEV= 1.99s

MDJ	17.8	330	cP	06 45 31.7	-1.8
CN2	19.3	321	+P	06 45 54.2	3.1
BJI	23.6	303	cP	06 46 32.0	-2.4
BTO	28.3	301	cP	06 47 19.7	1.2

1986 3 12
 O=11 48 22.2 ± 0.34s
 LAT=29.87 N ± 4.41km
 LONG=130.76 E ± 3.48km
 DEPTH= 40 km ± 1.32km
 STATIONS USED = 9, STAND DEV= 3.83s

BJI	15.7	314	(P)	11 52 05.0	3.2
XAN	19.0	288	cP	11 52 43.0	-0.3

GYA	21.5	267	P	11 53 15.4	5.4
CD2	23.3	279	cP	11 53 25.1	-2.5
GTA	27.1	299	cP	11 54 01.0	-2.5

1986 3 12
 O=13 54 06.6 ± 0.11s
 LAT= 6.00 S ± 0.86km
 LONG=147.13 E ± 1.02km
 DEPTH=112 km ± 0.84km
 STATIONS USED = 47, STAND DEV= 1.01s

SSE	44.4	328	+P	14 02 09.4	0.8
			PMZ		1.0 0.040
NJ2	46.5	326	-P	14 02 25.8	1.4
WHN	48.0	321	P	14 02 37.5	0.8
SNY	52.2	338	cP	14 03 08.8	0.0
MDJ	52.8	344	cP	14 03 12.7	-0.4
CN2	53.3	341	+P	14 03 15.7	-1.1
			PcP	14 04 24.6	2.4
XAN	53.8	320	cP	14 03 19.8	-0.4
BJI	54.0	331	cP	14 03 20.5	-1.1
CD2	55.4	314	cP	14 03 32.1	0.2
HHC	56.9	328	P	14 03 41.0	-1.9
BTO	57.5	327	cP	14 03 47.2	-0.2
LZH	58.3	319	cP	14 03 53.0	0.3
GTA	62.8	320	+P	14 04 23.3	-0.2
WMQ	72.9	319	cP	14 05 26.0	0.0

1986 3 12
 O=14 06 23.1 ± 0.12s
 LAT=14.97 S ± 2.40km
 LONG=173.36 W ± 2.30km
 DEPTH= 34 km ± 0.33km
 STATIONS USED = 25, STAND DEV= 1.81s

MDJ	78.7	322	cP	14 18 23.0	-1.5
CN2	80.8	320	-P	14 18 34.6	-1.0
SNY	81.0	318	cP	14 18 35.8	-0.9
BJI	85.2	313	cP	14 19 00.0	1.8
TIY	87.0	310	cP	14 19 08.4	1.3
XAN	88.4	306	cP	14 19 15.7	1.8
BTO	89.8	312	cP	14 19 22.0	1.6

1986 3 12
 O=16 16 59.0 ± 0.08s
 LAT=12.58 N ± 1.53km
 LONG=125.36 E ± 1.87km
 DEPTH= 32 km ± 0.27km
 STATIONS USED = 69, STAND DEV= 1.28s
 M_s=4.6/ 21,

QZH	13.9	333	cP	16 20 13.0	-2.6
			pP	16 20 22.0	-0.6

$M_s = 4.4 / 19,$				$m_B = 5.6 / 14$				PMZ				$m_B = 5.9$						
SSE	17.2	284	+P	21 30	25.0	-0.6					PP	21 32	32.5	1.1				
			PMZ		$m_B = 5.4$		5.0	0.83			S	21 36	21.5	7.6				
			S	21 33	32.0	-1.4					LE		$M_s = 4.3$	11.0	0.31			
			sS	21 33	44.0	-1.9			HHC	26.9	305	+P	21 32	05.5	-1.3			
			SS	21 33	52.0	-2.6					LE		$M_s = 4.2$	12.0	0.27			
			LN		$M_s = 4.4$		10.0	0.67	XAN	27.7	290	eP	21 32	11.0	-3.2			
MDJ	18.5	334	eP	21 30	43.0	1.0					eS	21 36	55.0	2.4				
			eS	21 34	03.0	-0.7			BTO	27.9	304	P	21 32	14.0	-2.4			
			LE		$M_s = 4.3$		15.0	0.70			eS	21 36	50.0	-6.6				
DL2	19.0	308	eP	21 30	47.0	-1.4					LN		$M_s = 4.3$	13.0	0.20			
			PMZ		$m_B = 5.4$		6.0	1.07			LE			13.0	0.30			
			eS	21 34	10.0	-5.5			QZN	29.7	259	eP	21 32	33.0	1.2			
			SMN		$m_B = 5.5$		6.0	0.55			eS	21 37	25.0	0.7				
			SME				7.0	1.37			sS	21 37	35.0	-4.6				
			LN		$M_s = 4.3$		12.0	0.60			SS	21 39	00.0	1.3				
NJ2	19.2	286	+P	21 30	51.5	0.6			GYA	30.2	274	P	21 32	46.0	9.2			
			S	21 34	20.0	0.1			CD2	32.1	284	eP	21 32	52.1	-1.4			
			SMN		$m_B = 5.3$		9.0	1.10	GTA	35.4	299	eP	21 33	21.8	-0.2			
			LN		$M_s = 4.7$		8.0	0.90			ePP	21 34	39.0	-2.6				
SNY	19.3	318	-P	21 30	50.0	-2.3					eS	21 38	55.5	1.5				
			eS	21 34	17.0	-6.3					LN		$M_s = 4.4$	10.0	0.22			
			LE		$M_s = 4.4$		12.0	0.72	WMQ	44.8	305	eP	21 34	38.3	-1.0			
CN2	19.7	326	-P	21 30	53.0	-2.8												
QZH	20.0	265	eP	21 31	00.0	0.1												
			PMZ		$m_B = 5.3$		5.0	0.81										
			eS	21 34	34.0	-4.6												
			sS	21 34	46.0	-5.0												
			LE		$M_s = 4.2$		8.0	0.26										
TIA	21.4	297	eP	21 31	12.8	-0.8												
			PMZ		$m_B = 5.6$		5.0	1.35										
			sP	21 31	26.0	-0.6												
			eS	21 35	03.0	-1.1												
			PcP	21 35	15.0	-1.7												
			SS	21 35	29.0	-9.4												
			LE		$M_s = 4.4$		10.0	0.50										
WHN	23.0	282	P	21 31	30.0	0.0												
			PMZ		$m_B = 5.7$		5.0	1.58										
			PP	21 32	04.0	4.2												
			LN		$M_s = 4.6$		10.0	0.55										
			LE				14.0	0.67										
BJI	23.3	306	eP	21 31	32.0	-0.7												
			eS	21 35	38.0	-1.2												
			eSS	21 36	32.0	6.5												
			SMN		$m_B = 5.5$		6.0	0.84										
			SME				9.0	0.58										
			LN		$M_s = 4.2$		10.0	0.28										
GZH	25.2	264	+P	21 31	51.0	0.2												
			eS	21 36	10.0	-1.3												
TIY	25.4	299	eP	21 31	53.8	1.0												

1986 3 12
O = 22 04 19.8 ± 0.28s
LAT = 24.02 S ± 3.34km
LONG = 66.84 W ± 1.09km
DEPTH = 199 km ± 2.07km
STATIONS USED = 36, STAND DEV = 2.95s

KSH 145.1 55 cPKP 22 23 34.3 -0.4
WMQ 151.3 40 ePKP 22 23 51.0 6.4
MDJ 155.5 331 ePKP 22 23 50.0 -4.5
CN2 157.8 336 PKP 22 23 52.5 -0.9
PKP₂ 22 24 26.0
GTA 160.9 33 PKP 22 23 57.6 0
PKP₂ 22 24 41.5
TIA 167.4 345 cPKP 22 24 04.1 1.4
PKP₂ 22 25 02.7
XAN 169.3 19 PKP 22 24 05.4 1.5
PKP₂ 22 25 07.6
GYA 173.6 66 PKP 22 24 07.6 1.3
PP 22 29 29.6 -0.9

1986 3 13
O = 02 46 22.3 ± 0.12s
LAT = 18.30 N ± 2.20km
LONG = 119.81 E ± 2.34km
DEPTH = 37 km ± 1.00km
STATIONS USED = 70, STAND DEV = 2.50s

Ms=4.9 / 34,				m _B =5.4 / 4				esS 02 54 58.0 -0.6					
QZH	6.7	350	eP	02 47 57.5	-3.5			LE		Ms=5.2	18.0	5.39	
			eS	02 49 10.5	-6.3			BJI	21.9	352	cP	02 51 15.5	1.3
			LN		Ms=4.4	13.0	1.78	eS			02 55 14.0	5.1	
			LE			15.0	4.04	SMN		m _B =5.3	10.0	0.70	
GZH	7.7	309	P	02 48 11.8	-3.1			SME			11.0	0.71	
			S	02 49 33.5	-7.9			LN		Ms=4.8	16.0	1.34	
			LN		Ms=4.9	13.0	6.03	LE			16.0	1.34	
			LE			12.0	7.46	LZH	22.7	325	-P	02 51 23.5	1.6
QZN	9.5	276	P	02 48 35.0	-4.5			PMZ			2.5	0.21	
			iS	02 50 19.4	-6.3			eS			02 55 19.0	-4.1	
			LN		Ms=4.4	13.0	1.80	LN		Ms=5.2	12.0	3.10	
			LE			12.0	1.30	HHC	23.6	344	P	02 51 32.2	1.4
SSE	12.8	5	eP	02 49 23.5	-1.2			pP			02 51 39.0	-1.1	
			eS	02 51 48.0	1.2			S			02 55 45.0	6.8	
			SS	02 52 06.0	4.3			SMN		m _B =5.3	10.0	0.75	
			LE		Ms=4.5	12.0	1.75	SME			8.0	0.35	
WHN	13.2	339	-iP	02 49 22.5	-7.0			LN		Ms=4.8	14.0	1.40	
			LG ₁	02 53 12.0	-3.7			LE			14.0	0.67	
			LN		Ms=4.9	14.0	2.97	SNY	23.7	7	cP	02 51 23.4	-8.2
			LE			14.0	3.70	S			02 55 44.0	3.9	
NJ2	13.7	357	eP	02 49 35.0	-1.8			SMN			13.0	1.01	
			LE		Ms=4.9	15.0	4.40	SME			15.0	1.45	
GYA	14.6	306	P	02 49 48.0	-0.7			LN		Ms=4.9	13.0	0.76	
			pP	02 49 52.8	-3.3			LE			15.5	2.01	
			PP	02 50 00.2	-0.1			BTO	23.8	341	-P	02 51 34.0	1.3
			S	02 52 30.0	0.5			esP			02 51 43.0	-3.4	
			LN		Ms=4.9	14.0	4.00	S			02 55 46.0	4.3	
			LE			14.0	2.10	LN		Ms=4.8	14.0	1.00	
KMI	17.2	296	-P	02 50 24.0	1.6			LE			14.0	1.00	
			pP	02 50 32.0	1.9			CN2	25.9	9	+P	02 51 53.6	0.9
			LE		Ms=5.1	14.0	5.10	epP			02 51 58.2	-4.0	
TIA	18.0	353	eP	02 50 31.9	0.3			eS			02 56 20.0	2.2	
			LE		Ms=5.0	16.0	3.86	LE		Ms=4.9	13.0	1.50	
XAN	18.5	330	eP	02 50 37.0	-0.2			GTA	27.3	325	P	02 52 06.6	1.0
			eS	02 53 56.0	-2.6			eS			02 56 48.0	7.2	
			LN		Ms=5.1	14.0	3.34	ScP			02 59 04.0	3.5	
			LE			13.0	2.57	LE		Ms=5.0	14.0	1.75	
CD2	19.2	314	eP	02 50 46.9	0.5			MDJ	27.5	15	eP	02 52 07.0	-0.6
			eS	02 54 13.0	-2.8			S			02 56 49.0	5.5	
			LN		Ms=5.4	12.5	4.30	WMQ	37.1	320	P	02 53 33.1	1.7
			LE			12.5	5.00	PP			02 55 03.5	5.5	
TIY	20.4	343	-iP	02 51 00.0	1.0			eS			02 59 12.0	-2.8	
			S	02 54 49.5	9.4			LN		Ms=5.1	12.0	1.31	
			SME		m _B =5.5	7.0	1.24	KSH	43.3	309	eP	02 54 26.0	3.3
			LN		Ms=4.7	12.0	0.22	sP			02 54 35.0	-1.8	
			LE			15.0	1.73	LE		Ms=5.4	12.0	1.80	
DL2	20.6	4	cP	02 51 04.0	3.0								
			PP	02 51 24.0	1.6								
			S	02 54 49.0	5.3								

1986 3 13
O=05 36 28.4 ± 0.08s

NJ2	17.3	66	LN	$M_s = 5.5$	10.5	8.93	pP	08 47 04.0	-3.5			
			+P	08 45 22.3	0.7		sP	08 47 07.0	-3.4			
			eS	08 48 27.5	-5.5		cS	08 51 31.0	-6.9			
HHC	17.4	30	LN	$M_s = 5.7$	8.0	12.3	SMN	$m_B = 5.7$	10.0	1.00		
			P	08 45 22.3	-0.6		SME		10.0	1.80		
			S	08 48 30.0	-4.4		LE	$M_s = 5.3$	13.0	3.30		
			SME	$m_B = 5.3$	8.0	1.39	MDJ	30.0	45	eP	08 47 27.1	-2.0
			LN	$M_s = 5.5$	8.0	3.13	S	08 52 23.0	-1.9			
TIA	17.6	51	LE		8.0	5.91	LN	$M_s = 5.3$	20.0	4.15		
			eP	08 45 24.7	-0.2							
			S	08 48 39.0	0.7							
			SS	08 49 09.2	9.2							
			LG ₂	08 50 52.0	-5.8							
SSE	19.1	70	LN	$M_s = 5.3$	13.0	1.97						
			LE		13.0	6.67						
			eP	08 45 44.0	0.9							
			PMZ	$m_B = 5.4$	8.0	1.42	XAN	26.7	327	eP	09 05 30.0	-2.7
			pP	08 45 52.0	4.3		CD2	27.7	316	eP	09 05 41.6	-0.1
BJI	19.2	40	S	08 49 12.0	0.1		GTA	35.6	324	P	09 06 51.2	-0.2
			sS	08 49 18.0	-2.0							
			LE	$M_s = 5.3$	8.0	3.73						
			eP	08 45 44.5	-0.2							
			ePP	08 46 02.0	0.9							
WMQ	20.3	333	cS	08 49 16.0	0.4							
			SMN	$m_B = 5.3$	10.0	1.79						
			LN	$M_s = 5.4$	13.0	6.27						
			LE		12.0	4.48	GYA	43.5	314	P	12 43 12.8	1.1
			+P	08 45 56.0	-1.2		BJI	48.0	335	eP	12 43 47.0	0.2
DL2	22.0	50	PMZ	$m_B = 5.6$	5.0	1.30	MDJ	48.1	350	eP	12 43 47.0	-1.0
			S	08 49 41.0	1.7		CN2	48.2	346	P	12 43 48.2	-0.5
			SME	$m_B = 5.4$	8.0	1.44	CD2	48.2	317	eP	12 43 49.4	0.4
			LN	$M_s = 5.3$	8.0	1.42	BTO	51.2	331	eP	12 44 12.4	0.5
			LE		8.0	2.87	GTA	56.0	323	eP	12 44 46.4	-0.9
KSH	24.2	309	P	08 46 15.0	0.5		WMQ	66.0	321	P	12 45 54.5	-0.4
			S	08 50 12.0	0.2							
			sS	08 50 19.0	-2.1							
			LE	$M_s = 5.2$	13.0	3.88						
			-P	08 46 41.0	5.1							
SNY	24.8	45	eS	08 50 57.0	5.6							
			LE	$M_s = 5.7$	8.0	6.90						
			-P	08 46 41.0	-0.5							
			PMZ	$m_B = 5.5$	4.5	0.83	XAN	36.1	334	eP	14 43 23.4	0.3
			pP	08 46 44.6	-2.2		BJI	39.2	347	eP	14 43 49.0	0.3
CN2	27.0	43	sP	08 46 46.2	-3.5							
			S	08 51 00.0	-0.4							
			SMN		15.0	3.05						
			SME		15.0	3.14						
			LN	$M_s = 5.3$	12.5	1.86						
			LE		15.5	4.36						
			-P	08 47 01.0	-1.2							

1986 3 13

O = 08 59 54.2 ± 0.07s

LAT = 12.21 N ± 1.61km

LONG = 125.97 E ± 1.29km

DEPTH = 34 km ± 0.57km

STATIONS USED = 11, STAND DEV = 1.39s

1986 3 13

O = 12 35 09.0 ± 0.08s

LAT = 2.76 S ± 1.18km

LONG = 140.23 E ± 2.16km

DEPTH = 34 km ± 0.47km

STATIONS USED = 28, STAND DEV = 1.65s

1986 3 13

O = 14 36 27.9 ± 0.04s

LAT = 1.88 N ± 0.61km

LONG = 126.89 E ± 1.49km

DEPTH = 95 km ± 0.05km

STATIONS USED = 11, STAND DEV = 0.91s

1986 3 13

O = 19 07 28.9 ± 0.05s

LAT = 0.53 S ± 0.91km

LONG = 125.64 E ± 1.77km

DEPTH = 31 km ± 0.05km

STATIONS USED = 8, STAND DEV = 1.05s

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BJI 41.3 349 eP 19 15 12.5 -0.9
GTA 46.3 332 P 19 15 52.4 -1.3

1986 3 13

O=19 27 33.1 ± 0.16s
LAT=24.19 N ± 2.89km
LONG=124.50 E ± 2.21km
DEPTH= 34 km ± 0.77km

STATIONS USED = 18, STAND DEV = 3.07s

QZH 5.4 279 eP 19 28 50.4 -3.4
SSE 7.5 338 P 19 29 22.0 -0.6
XAN 16.8 309 eP 19 31 27.7 0.7
CD2 19.6 295 (P) 19 32 04.6 3.6
CN2 19.6 2 +P 19 31 59.6 -1.5
BTO 20.4 327 eP 19 32 11.7 1.8
GTA 25.8 312 P 19 32 59.8 -3.2

1986 3 14

O=01 49 01.8 ± 0.08s
LAT=11.28 N ± 1.05km
LONG=140.42 E ± 1.13km
DEPTH= 56 km ± 0.30km

STATIONS USED = 33, STAND DEV = 1.11s

M_s=4.2 / 2,

SSE 26.6 321 eP 01 54 36.8 0.0
LE M_s=4.2 20.0 0.46
CN2 34.9 341 +P 01 55 49.6 -0.7
GYA 35.2 300 P 01 55 55.0 2.0
BJI 35.8 327 eP 01 55 57.5 -0.4
TIY 36.4 321 eP 01 56 03.0 0.2
XAN 36.6 313 eP 01 56 04.0 -0.9
CD2 39.1 306 eP 01 56 26.9 0.9
GTA 45.6 315 +iP 01 57 18.8 0.0

1986 3 14

O=03 11 46.5 ± 0.19s
LAT=38.15 N ± 2.45km
LONG= 73.55 E ± 3.87km
DEPTH= 53 km ± 1.36km

STATIONS USED = 19, STAND DEV = 3.78s

M_L=4.4 / 3,

KSH 2.3 55 P 03 12 28.0 4.7
iS 03 12 54.0 4.7
SME M_L=4.8 1.0 6.40
WMQ 12.1 58 eP 03 14 34.0 -4.8
LN 2.0 0.11
GTA 20.5 78 P 03 16 18.4 -4.6

1986 3 14

O=04 15 58.0 ± 0.07s

LAT=10.72 S ± 0.85km
LONG= 27.55 E ± 1.57km
DEPTH= 8 km ± 0.21km

STATIONS USED = 24, STAND DEV = 1.07s

LSA 73.2 54 P 04 27 32.2 -0.3
GTA 83.4 48 -iP 04 28 28.8 0.6
CD2 83.9 57 eP 04 28 31.2 0.7
GYA 85.2 62 P 04 28 36.4 -0.6
XAN 88.9 55 eP 04 28 55.0 -0.1
BTO 91.2 49 eP 04 29 07.0 0.8
HHC 92.5 49 eP 04 29 11.1 -0.6

1986 3 14

O=05 36 59.9 ± 0.13s
LAT=26.23 N ± 1.25km
LONG=100.11 E ± 0.94km
DEPTH= 6 km ± 0.47km

STATIONS USED = 8, STAND DEV = 3.94s

M_L=4.3 / 2,

KMI 2.6 114 Pn 05 37 46.0 2.7
Sn 05 38 19.5 2.4
SMN M_L=5.2 1.0 10.0
SME 1.0 13.0
CD2 5.7 34 cPn 05 38 26.8 1.9
(Sg) 05 39 54.0 -3.1
XAN 10.9 42 cP 05 39 36.2 -3.5

1986 3 14

O=07 47 37.3 ± 0.14s
LAT=28.42 N ± 2.22km
LONG=140.65 E ± 2.28km
DEPTH= 33 km ± 0.36km

STATIONS USED = 61, STAND DEV = 1.89s

M_s=4.8 / 25,

m_B=5.6 / 25

SSE 17.1 284 -iP 07 51 34.0 -1.7
PMZ m_B=5.5 8.0 1.88
sS 07 54 52.0 -3.5
SS 07 55 02.0 -2.3
LN M_s=4.6 10.0 1.11
MDJ 18.4 334 -iP 07 51 51.0 -1.0
S 07 55 14.0 1.3
SNY 19.3 318 -P 07 52 01.0 -1.4
PMZ m_B=5.7 5.0 1.87
PP 07 52 19.0 -0.4
S 07 55 33.5 1.2
SMN m_B=5.6 6.0 0.83
SME 8.0 1.38
SS 07 56 02.5 3.9
LN M_s=4.9 10.0 1.12
LE 10.0 1.24

GZH	23.6	328	eP	11 46 21.2	-0.8
WHN	29.5	338	eP	11 47 22.5	5.2
NJ2	29.6	346	eP	11 47 17.0	-0.6
TIA	34.0	346	eP	11 47 55.1	-1.0
XAN	34.8	334	eP	11 48 00.6	-2.9
CD2	35.0	324	eP	11 48 04.0	-1.1
DL2	35.8	353	eP	11 48 10.6	-1.0
BJI	37.8	347	eP	11 48 28.0	-0.9
SNY	38.5	356	eP	11 48 33.8	-0.6
LZH	38.9	330	eP	11 48 37.5	-0.4
HHC	39.8	342	e(P)	11 48 46.3	0.6
BTO	40.1	340	eP	11 48 51.0	3.1
MDJ	41.3	3	eP	11 48 56.0	-1.4
LSA	42.7	312	P	11 49 11.3	1.4
GTA	43.5	329	eP	11 49 14.3	-1.4
WMQ	53.1	325	P	11 50 29.0	-1.3

1986 3 14

O=12 09 12.9 ± 0.07s
 LAT=26.24 N ± 0.69km
 LONG=100.13 E ± 0.50km
 DEPTH= 8 km ± 0.27km
 STATIONS USED = 5, STAND DEV = 3.67s

$M_L=3.8/2,$

KMI	2.6	115	ePn	12 09 58.0	2.1
			Sn	12 10 31.0	1.6
			SMN	$M_L=4.9$	1.0 4.50
			SME		1.0 7.00
CD2	5.6	34	ePn	12 10 38.6	1.1

1986 3 14

O=16 25 44.5 ± 0.13s
 LAT=24.76 N ± 1.37km
 LONG=123.00 E ± 1.83km
 DEPTH= 18 km ± 0.41km
 STATIONS USED = 21, STAND DEV = 2.34s

$M_s=4.1/5,$

QZH	4.0	273	ePn	16 26 44.5	-1.0
			Sn	16 27 29.7	-4.2
			LN	$M_s=3.7$	9.0 1.27
SSE	6.5	346	Pn	16 27 19.5	-0.4
			LG ₂	16 29 19.5	0.2
			LE	$M_s=4.1$	8.0 1.59
WHN	9.6	309	eP	16 28 09.0	4.1
XAN	15.3	310	eP	16 29 27.2	5.0
			LN	$M_s=4.7$	13.0 1.83
			LE		12.0 0.80
CD2	18.1	294	eP	16 29 56.2	-0.6
CN2	19.1	5	eP	16 30 09.0	-0.2
			eS	16 33 47.0	8.6

LZH	20.0	309	eP	16 30 19.5	0.3
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1986 3 14

O=16 55 53.1 ± 0.10s
 LAT=30.29 S ± 2.62km
 LONG=176.54 W ± 2.28km
 DEPTH= 46 km ± 1.43km
 STATIONS USED = 71, STAND DEV = 1.68s

$M_s=5.9/27,$ $m_B=6.2/18$

QZH	82.9	304	-P	17 08 15.0	-0.3
			PMZ	$m_B=6.2$	9.0 2.37
			eS	17 18 22.0	-7.4
			SMN	$m_B=6.1$	10.0 1.62
			SS	17 23 48.0	-7.2
			LN	$M_s=5.4$	15.0 0.82
			LE		15.0 0.26
SSE	85.0	310	+P	17 08 25.0	-0.7
			PMZ		1.0 0.030
			PP	17 11 46.0	2.7
			S	17 18 51.0	2.8
			sS	17 19 10.0	-1.1
			SS	17 24 34.0	9.0
			LN	$M_s=6.2$	38.0 9.80
			LE		38.0 8.08
GZH	85.7	300	-P	17 08 30.0	0.9
			S	17 19 02.0	7.0
			SMN	$m_B=6.0$	10.0 1.24
			SME		10.0 1.06
			LE	$M_s=5.9$	19.0 2.86
QZN	86.1	295	P	17 08 30.5	-0.6
			PMZ	$m_B=6.2$	10.0 2.30
			eS	17 18 57.0	-3.6
			LN	$M_s=6.1$	20.0 3.00
			LE		21.0 3.70
NJ2	87.1	310	-P	17 08 37.0	0.8
			PMZ	$m_B=6.1$	10.0 1.90
			S	17 19 12.0	3.1
			LN	$M_s=5.8$	15.0 1.90
MDJ	89.3	325	-iP	17 08 46.4	0.0
			SKS	17 19 12.0	3.1
			S	17 19 28.0	-0.7
			SS	17 25 20.0	-6.9
			LE	$M_s=6.0$	20.0 3.52
WHN	89.3	306	eP	17 08 47.0	0.5
			PMZ	$m_B=6.4$	4.0 1.29
			PcP	17 08 51.0	4.0
			SKS	17 19 08.0	-1.1
			ScS	17 19 23.5	-9.2
			LN	$M_s=6.0$	20.0 2.82
			LE		20.0 2.70

			PMZ		0.8	0.020
NJ2	24.1	344	-P	00 46 58.5	0.0	
BJI	32.4	345	eP	00 48 12.0	-1.3	
SNY	32.9	356	eP	00 48 17.5	-0.3	
MDJ	35.7	4	eP	00 48 41.0	-0.6	
WMQ	48.5	323	P	00 50 25.5	-0.8	

1986 3 15

O=01 05 44.7 ± 0.14s
 LAT=24.61 N ± 1.62km
 LONG=123.17 E ± 1.87km
 DEPTH= 12 km ± 0.79km
 STATIONS USED = 22, STAND DEV = 2.40s

Ms=4.5 / 6,

QZH	4.2	275	ePn	01 06 45.5	-3.1	
			eSn	01 07 31.6	-7.7	
			LN	Ms=3.7	12.0	1.87
NJ2	8.3	334	-P	01 07 50.0	1.7	
XAN	15.6	310	eP	01 09 29.0	3.1	
			LN	Ms=4.7	13.0	1.72
			LE		12.0	1.00
CD2	18.3	294	eP	01 10 03.0	2.8	
CN2	19.2	5	eP	01 10 11.6	-0.1	
BTO	19.4	329	eP	01 10 13.6	0.2	
			eS	01 13 40.0	-6.2	
			LN	Ms=4.6	12.0	0.50
			LE		12.0	0.90
LZH	20.2	309	+P	01 10 22.5	0.0	
			PMZ		2.0	0.060
GTA	24.6	312	eP	01 11 04.6	-1.9	
			eS	01 15 16.0	-8.8	
			LN	Ms=4.7	12.0	0.84

1986 3 15

O=05 01 23.3 ± 0.11s
 LAT=17.55 S ± 1.94km
 LONG=178.59 W ± 2.59km
 DEPTH=575 km ± 0.60km
 STATIONS USED = 35, STAND DEV = 1.55s

NJ2	77.6	309	+P	05 12 23.2	0.6	
MDJ	77.8	325	eP	05 12 23.5	-0.3	
CN2	79.6	322	+P	05 12 32.5	-1.0	
WHN	80.3	306	eP	05 12 38.0	1.3	
BJI	83.4	315	eP	05 12 53.0	0.3	
XAN	85.9	307	eP	05 13 06.0	1.1	

1986 3 15

O=11 29 43.0 ± 0.13s
 LAT=18.42 S ± 2.42km
 LONG= 67.33 W ± 2.25km

		DEPTH=217 km ± 1.39km		STATIONS USED = 74, STAND DEV = 1.05s	
				m _B =5.9 / 4	
KSH	142.0	49	ePKP	11 48 51.9	1.6
			eSKKS	11 58 33.9	
WMQ	147.1	34	PKP	11 48 59.0	0.0
MDJ	150.3	335	ePKP	11 49 02.0	-2.0
			PKP ₂	11 50 00.0	
			PP	11 52 42.0	-6.4
			LE		45.0 3.83
CN2	152.5	340	PKP	11 49 05.6	-1.7
			PP	11 52 56.0	-4.6
			PPMZ	m _B =5.9	7.0 0.80
SNY	154.9	341	PKP	11 49 10.0	-1.5
			PKP ₂	11 49 37.0	
GTA	156.3	25	PKP	11 49 12.6	0.2
			PP	11 53 23.0	0.7
			eSKKS	11 59 46.0	
LSA	157.4	56	PKP	11 49 14.2	-0.1
			PKP ₂	11 49 51.0	
			ePP	11 53 28.0	0.0
			SKKS	11 59 57.0	
HHC	157.6	2	ePKP	11 49 13.6	-0.6
BTO	157.8	5	PKP	11 49 15.0	0.6
			PKP ₂	11 49 52.0	
			ePP	11 53 34.0	3.6
DL2	158.2	341	ePKP	11 49 14.5	-0.2
			PKP ₂	11 49 52.0	
			eSS	12 13 08.0	-2.9
			LN		15.0 1.07
BJI	158.2	353	ePKP	11 49 15.0	0.2
			PKP ₂	11 50 46.0	
			PP	11 53 29.0	-4.0
			eSS	12 13 04.0	-7.9
LZH	160.8	22	PKP	11 49 18.0	0.2
			PKP ₂	11 50 02.5	
TIY	160.8	1	PKP	11 49 18.0	0.3
			PKP ₂	11 50 07.5	
			PP	11 53 50.0	3.6
			SS	12 13 44.5	6.7
			LE		17.0 0.46
TIA	161.8	348	ePKP	11 49 18.9	0.2
			PKP ₂	11 50 06.0	
XAN	164.1	11	PKP	11 49 20.8	-0.2
			PKP ₂	11 50 17.0	
			PP	11 54 05.0	0.8
			SKKS	12 00 26.0	
CD2	165.2	31	iPKP	11 49 22.4	0.3
			PKP ₂	11 50 14.0	
			PP	11 54 08.0	-1.7

			SKKS	12 00 36.0				
SSE	165.2	330	PKP	11 49 22.0	0.0			
			PKP ₂	11 50 23.5				
			PP	11 54 06.0	-3.8			
			SKKS	12 00 34.0				
NJ2	165.3	339	PKP	11 49 22.0	-0.1			
WHN	167.8	353	PKP	11 49 23.5	-0.4			
			PP	11 54 24.2	1.3			
			PPMZ		$m_B = 5.9$	5.0	0.70	
			LN			22.0	2.20	
KMI	168.6	52	-PKP	11 49 25.0	0.4			
			PP	11 54 34.0	7.2			
			PPMZ			14.0	0.80	
GYA	170.3	34	PKP	11 49 25.0	-0.5			
			PKP ₂	11 50 44.0				
			PP	11 54 34.0	-1.0			
			SKKS	12 01 02.0				
QZH	171.5	321	-PKP	11 49 26.0	-0.1			
			PP	11 54 41.0	0.0			
			LN			17.0	0.92	
GZH	175.3	352	ePKP	11 49 28.0	0.4			
			PKP ₂	11 51 06.0				
			PP	11 55 02.0	2.1			
			PPMZ		$m_B = 5.9$	11.0	1.76	
QZN	177.3	77	PKP	11 49 28.0	-0.1			
			PKP ₂	11 51 23.0				
			PP	11 55 10.0	1.7			
			SKKS	12 01 34.0				
			SS	12 16 28.0	8.4			
1986 3 15								
O = 14 58 37.1 ± 0.08s								
LAT = 26.13 N ± 0.66km								
LONG = 100.12 E ± 0.65km								
DEPTH = 2 km ± 0.43km								
STATIONS USED = 5, STAND DEV = 3.44s								
$M_L = 3.1 / 3,$								
KMI	2.6	112	eP*	14 59 23.5	1.5			
			Sn	14 59 56.5	2.6			
			SME		$M_L = 4.6$	1.0	3.00	
CD2	5.7	33	ePn	15 00 05.0	1.4			
1986 3 15								
O = 15 59 59.3 ± 0.03s								
LAT = 32.21 N ± 0.73km								
LONG = 137.64 E ± 1.05km								
DEPTH = 395 km ± 1.07km								
STATIONS USED = 29, STAND DEV = 0.64s								
SNY	14.8	315	-P	16 03 12.0	0.1			
CN2	15.0	324	-P	16 03 14.0	-0.7			

NJ2	15.9	274	+P	16 03 23.0	-0.9			
BJI	19.0	300	eP	16 03 54.0	-0.8			
WHN	20.0	271	P	16 04 05.5	1.3			
TIY	21.3	292	+iP	16 04 18.4	0.7			
XAN	24.1	282	-P	16 04 42.4	-0.6			
CD2	28.8	277	eP	16 05 24.6	-0.7			
GTA	31.3	294	P	16 05 46.3	-0.8			
WMQ	40.5	301	P	16 07 03.5	0.2			
1986 3 15								
O = 17 32 05.3 ± 0.10s								
LAT = 3.57 N ± 0.85km								
LONG = 128.40 E ± 2.52km								
DEPTH = 32 km ± 0.22km								
STATIONS USED = 11, STAND DEV = 1.21s								
XAN	35.3	331	+P	17 38 59.4	-0.7			
TIY	37.0	339	eP	17 39 13.8	-0.4			
BJI	38.0	345	eP	17 39 21.0	-1.1			
LZH	39.5	328	eP	17 39 36.0	0.8			
GTA	44.1	328	-P	17 40 12.6	-0.4			
WMQ	53.8	324	P	17 41 27.8	-0.1			
1986 3 15								
O = 18 32 09.7 ± 0.18s								
LAT = 55.72 S ± 3.59km								
LONG = 27.01 W ± 5.77km								
DEPTH = 98 km ± 1.22km								
STATIONS USED = 36, STAND DEV = 3.33s								
KSH	128.3	74	ePKP	18 51 08.8	2.6			
KMI	132.5	109	ePKP	18 51 16.0	1.7			
CD2	137.6	105	ePKP	18 51 15.0	-8.6			
WMQ	137.7	78	PKP	18 51 19.6	-4.2			
LZH	141.6	100	ePKP	18 51 27.0	-3.7			
			LN			12.0	1.70	
GTA	141.6	92	PKP	18 51 27.0	-3.8			
			LN			12.0	1.95	
NJ2	146.4	120	+PKP	18 51 42.8	3.9			
TIA	148.8	114	ePKP	18 51 43.9	1.0			
			LN			10.0	0.52	
			LE			10.0	1.87	
CN2	158.7	113	-PKP	18 51 57.0	0.3			
MDJ	161.4	117	-PKP	18 52 01.2	1.7			
1986 3 15								
O = 18 47 27.2 ± 0.15s								
LAT = 24.84 N ± 1.61km								
LONG = 122.94 E ± 1.89km								
DEPTH = 60 km ± 1.41km								
STATIONS USED = 19, STAND DEV = 3.39s								
$M_s = 4.6 / 8,$								

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SSE	6.4	346	eP	18 49 00.7	-0.8					LN	Ms=4.5	12.0	1.50
			eLG ₂	18 50 58.0	-1.1					LE		11.0	0.80
			LN		Ms=4.2	10.0	2.09	GYA	14.8	280	P	02 42 54.0	7.1
			LE			10.0	0.78			LN	Ms=5.1	9.0	3.50
GYA	14.8	280	eP	18 51 00.6	6.1					LE		9.0	1.30
			eS	18 53 41.0	4.7			XAN	15.3	310	eP	02 42 51.4	-1.9
			LN		Ms=4.6	10.0	1.40			LN	Ms=5.2	13.0	6.58
XAN	15.3	310	eP	18 51 04.7	4.0					LE		12.0	3.49
			LN		Ms=5.1	13.0	4.57	TIY	15.6	328	eP	02 43 03.8	5.4
			LE			13.0	2.57			LG ₂		02 47 57.0	4.3
SNY	16.9	2	-P	18 51 26.5	4.5					LE	Ms=5.1	10.0	3.88
			sP	18 51 38.0	-2.3			BJI	16.2	341	eP	02 43 03.0	-2.3
			LN		Ms=4.6	11.0	1.36	SNY	17.0	2	+P	02 43 17.0	2.0
HHC	18.6	332	P	18 51 44.4	2.3					SS		02 46 42.0	-0.2
			LN		Ms=4.8	15.0	1.71			LN	Ms=4.7	19.0	1.50
			LE			15.0	1.55			LE		15.0	1.74
CN2	19.0	6	eP	18 51 50.0	2.8			CD2	18.0	294	eP	02 43 21.4	-6.6
BTO	19.1	329	P	18 51 43.0	-4.9					LN	Ms=5.1	10.0	3.27
			PP	18 52 05.0	0.2			KMI	18.3	275	+P	02 43 31.5	-0.6
			LN		Ms=5.0	12.0	1.60	BTO	19.1	329	eP	02 43 45.0	3.7
			LE			12.0	2.00			eS		02 47 10.0	-0.5
										LN	Ms=5.0	16.0	2.90
										LE		16.0	3.00
1986 3 16													
O=02 39 16.4 ± 0.20s													
LAT=24.83 N ± 2.35km													
LONG=122.93 E ± 2.61km													
DEPTH= 15 km ± 0.56km													
STATIONS USED = 51, STAND DEV= 2.71s													
Ms=5.0 / 23,													
QZH	3.9	272	ePn	02 40 16.0	-0.8								
			Sn	02 41 02.5	-2.2								
			LN		Ms=4.1	13.0	5.44						
SSE	6.4	347	ePn	02 40 50.7	-0.2								
			LG ₂	02 42 48.2	-0.2								
			LN		Ms=4.5	10.0	1.73						
			LE			10.0	4.67						
NJ2	8.0	334	eP	02 41 13.0	-2.6								
			S	02 42 41.8	-5.0								
			LN		Ms=5.0	10.0	9.40						
GZH	8.9	261	e(P)	02 41 35.0	6.8								
			eS	02 43 03.0	-6.5								
			LN		Ms=4.9	8.0	2.19						
			LE			10.0	5.78						
WHN	9.5	309	eP	02 41 32.0	-3.9								
			eS	02 43 18.0	-5.4								
			LG ₁	02 44 06.0	-8.6								
			LN		Ms=5.2	12.0	11.3						
			LE			12.0	7.21						
QZN	13.4	247	eP	02 42 34.0	4.5								
			eS	02 45 04.0	4.3								
1986 3 16													
O=07 28 41.3 ± 0.15s													
LAT= 8.40 S ± 1.57km													
LONG=119.78 E ± 1.80km													
DEPTH=198 km ± 0.82km													
STATIONS USED = 30, STAND DEV= 1.67s													
GZH	31.9	349	eP	07 34 49.5	-1.2								
GYA	36.9	340	P	07 35 33.6	0.3								
NJ2	40.2	359	-P	07 36 00.5	-0.1								
CD2	42.0	339	-iP	07 36 15.1	0.0								
			PMZ									0.6	0.050
XAN	43.4	347	-iP	07 36 25.4	-1.4								
GTA	51.0	340	-iP	07 37 25.5	-0.4								
1986 3 16													
O=12 38 05.1 ± 0.11s													
LAT=42.10 N ± 0.93km													
LONG=128.63 E ± 0.47km													
DEPTH= 10 km													
STATIONS USED = 7, STAND DEV= 1.99s													
M _L =3.4 / 6,													

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MDJ	2.6	15	Pn	12 38 48.6	0.8		
			Pg	12 38 56.2	5.0		
			Sn	12 39 26.0	4.5		
			SMN	$M_L=3.4$	0.8	0.18	
CN2	2.9	307	Pn	12 38 51.3	-0.3		
SNY	3.8	268	+Pg	12 39 11.2	-0.7		
			Sg	12 40 03.4	0.0		
			SMN	$M_L=3.3$	1.0	0.090	
			SME		0.6	0.050	

1986 3 16

O=14 24 17.5 ± 0.12s
 LAT=47.03 N ± 3.08km
 LONG=153.85 E ± 1.78km
 DEPTH= 32 km ± 0.19km
 STATIONS USED = 57, STAND DEV = 1.50s
 Ms=4.6 / 5,

MDJ	17.1	271	eP	14 28 15.5	0.0		
CN2	20.2	271	eP	14 28 48.4	-3.7		
SNY	22.2	268	-P	14 29 11.9	-0.6		
			eS	14 33 04.0	-6.0		
			LN	$M_s=4.6$	16.0	0.71	
			LE		16.0	0.99	
DL2	24.8	263	eP	14 29 38.0	-0.4		
BJI	28.0	269	eP	14 30 10.0	2.1		
NJ2	30.6	253	eP	14 30 31.2	0.4		
HHC	30.8	274	P	14 30 32.4	-0.5		
TIY	31.7	268	eP	14 30 40.5	-0.2		
			LE	$M_s=4.5$	11.0	0.37	
XAN	36.0	265	-iP	14 31 18.8	0.4		
GTA	39.4	279	P	14 31 46.1	-0.7		
			LE	$M_s=4.7$	12.0	0.42	
CD2	41.4	265	+iP	14 32 04.2	1.1		
			PMZ		1.0	0.070	
GYA	42.3	258	+P	14 32 10.8	0.5		
WMQ	45.3	291	-iP	14 32 35.0	0.2		
KMI	45.8	260	eP	14 32 39.5	0.7		
LSA	50.8	273	P	14 33 18.2	0.5		

1986 3 16

O=15 09 04.8 ± 0.30s
 LAT=24.68 N ± 2.94km
 LONG=122.87 E ± 2.66km
 DEPTH= 32 km
 STATIONS USED = 51, STAND DEV = 2.85s
 Ms=4.6 / 21, $M_L=3.8 / 2$,

QZH	3.9	275	ePn	15 10 02.5	-0.4		
			Sn	15 10 56.5	7.3		
			LN	$M_s=3.9$	10.0	2.41	
SSE	6.6	347	ePn	15 10 41.6	2.0		

			LG ₁	15 12 38.0	6.9		
			LN	$M_s=4.3$	10.0	2.93	
NJ2	8.2	335	+P	15 11 03.6	-0.3		
			eS	15 12 30.4	-5.5		
			LN	$M_s=4.7$	10.0	5.30	
WHN	9.5	310	eP	15 11 18.5	-4.8		
			LN	$M_s=4.8$	12.0	4.50	
			LE		9.0	2.51	
QZN	13.3	248	eP	15 12 14.0	-0.6		
			eS	15 14 40.0	-2.7		
			LN	$M_s=4.2$	12.0	0.80	
GYA	14.7	280	P	15 12 41.2	8.1		
			LN	$M_s=4.6$	11.0	1.20	
			LE		12.0	1.00	
XAN	15.3	311	eP	15 12 38.8	-1.8		
			LN	$M_s=4.7$	12.0	1.75	
			LE		11.0	0.90	
TIY	15.7	328	eP	15 12 50.7	4.5		
			LE	$M_s=4.6$	9.0	1.12	
BJI	16.3	341	eP	15 12 53.5	0.1		
SNY	17.1	2	-P	15 13 12.0	8.6		
			LN	$M_s=4.3$	14.0	0.88	
CD2	18.0	294	eP	15 13 14.2	-0.4		
			LE	$M_s=4.8$	7.0	1.24	
BTO	19.2	329	eP	15 13 34.0	5.1		
			eS	15 17 07.0	8.7		
			LN	$M_s=4.6$	10.0	0.60	
			LE		10.0	0.70	
CN2	19.2	6	eP	15 13 28.0	-1.0		
			eS	15 17 04.0	5.5		
LZH	19.9	309	eP	15 13 37.0	-0.3		
			PMZ		2.0	0.12	
			LG ₂	15 20 06.0	3.7		
			LN	$M_s=4.6$	12.0	1.03	
MDJ	20.6	14	-iP	15 13 48.2	3.7		
			eS	15 17 30.0	1.3		
			LE	$M_s=4.6$	15.0	1.13	
GTA	24.4	313	P	15 14 20.8	-0.7		
			LN	$M_s=4.6$	12.0	0.79	
WMQ	34.4	312	P	15 15 51.5	-0.6		

1986 3 16

O=15 42 12.0 ± 0.07s
 LAT=25.10 N ± 0.92km
 LONG=123.24 E ± 0.80km
 DEPTH= 17 km ± 0.67km
 STATIONS USED = 11, STAND DEV = 4.83s
 Ms=3.6 / 2,

SSE	6.2	344	ePg	15 44 04.0	1.7		
			LN	$M_s=3.7$	10.0	0.70	

GTA 24.3 312 eP 15 47 28.0 -2.3

1986 3 16
 O=20 27 46.9 ± 0.17s
 LAT=24.65 N ± 2.08km
 LONG=123.09 E ± 2.19km
 DEPTH= 20 km ± 0.65km
 STATIONS USED = 15, STAND DEV = 2.57s
 Ms=4.1 / 2,

SSE 6.6 346 (P*) 20 29 35.0 -1.4
 eLG₂ 20 31 28.0 2.0
 LE Ms=4.0 5.0 0.71

XAN 15.5 310 eP 20 31 29.2 3.0
 TIY 15.9 328 eP 20 31 35.1 3.8
 LE Ms=4.2 10.0 0.52

CN2 19.2 5 eP 20 32 11.4 -1.2
 BTO 19.3 329 eP 20 32 12.8 -1.0
 GTA 24.5 312 P 20 33 05.6 -1.2

1986 3 17
 O=06 03 25.2 ± 0.10s
 LAT=36.53 N ± 1.71km
 LONG= 71.37 E ± 1.32km
 DEPTH= 85 km ± 0.64km
 STATIONS USED = 17, STAND DEV = 2.55s
 M_L=4.6 / 2,

KSH 4.7 50 eP 06 04 39.5 4.5
 S 06 05 32.5 4.5
 SMN M_L=4.5 0.3 0.80
 SME 0.3 0.60

WMQ 14.4 55 P 06 06 46.1 -0.7
 GTA 22.6 74 +P 06 08 22.4 2.9

1986 3 17
 O=07 12 13.6 ± 0.13s
 LAT=24.82 N ± 1.67km
 LONG=122.96 E ± 1.95km
 DEPTH= 16 km ± 0.47km
 STATIONS USED = 37, STAND DEV = 1.91s
 Ms=4.6 / 14, M_L=4.0 / 2,

QZH 4.0 273 cPn 07 13 14.0 -0.2
 Sn 07 14 02.0 -0.4
 LN Ms=4.0 9.0 3.08

SSE 6.4 346 cPn 07 13 48.2 0.0
 LG₁ 07 15 33.0 -3.0
 LG₂ 07 15 46.5 0.3
 LN Ms=4.4 12.0 4.20

NJ2 8.1 334 +P 07 14 09.8 -3.2
 S 07 15 37.6 -6.8
 LN Ms=4.5 11.0 3.80

XAN 15.3 310 eP 07 15 49.3 -1.4
 pP 07 15 56.6 0.7
 LN Ms=4.9 14.0 3.01
 LE 12.0 1.50

TIY 15.7 328 eP 07 16 01.1 5.3
 LG₂ 07 20 55.5 4.8
 LE Ms=4.7 10.0 1.74

BJI 16.2 341 eP 07 16 04.0 1.4
 SNY 17.0 2 eP 07 16 12.9 0.7
 pP 07 16 20.0 2.4
 eS 07 19 28.0 8.5
 LN Ms=4.4 16.0 0.94
 LE 16.0 0.81

CD2 18.0 294 eP 07 16 25.0 -0.4
 LN Ms=5.0 15.0 3.57

HHC 18.6 332 P 07 16 34.0 1.3
 LN Ms=4.5 11.0 0.92

CN2 19.0 6 (P) 07 16 37.6 -0.3
 BTO 19.1 329 eP 07 16 39.4 0.7
 LZH 19.9 309 eP 07 16 48.5 0.7
 PMZ 1.5 0.090

GTA 24.3 312 P 07 17 31.8 -0.2
 LN Ms=4.8 12.0 1.10

WMQ 34.4 312 eP 07 19 02.8 0.1

1986 3 17
 O=09 18 25.0 ± 0.06s
 LAT=27.48 N ± 1.20km
 LONG=139.93 E ± 1.06km
 DEPTH=476 km ± 0.27km
 STATIONS USED = 91, STAND DEV = 0.89s
 m_B=5.5 / 24

SSE 16.7 287 +iP 09 21 53.1 -0.8
 PMZ 1.0 0.12
 iS 09 24 40.0 -3.2
 SMN 13.0 5.90
 SME 13.0 6.20
 PcP 09 26 18.0 2.8

NJ2 18.8 289 -iP 09 22 14.9 0.2
 PMZ m_B=6.3 4.0 3.40
 sP 09 24 15.0 -0.4
 S 09 25 21.5 1.9
 ScP 09 29 09.9 1.3

MDJ 19.0 337 -iP 09 22 17.9 1.7
 PMZ m_B=6.3 4.0 3.82
 sP 09 24 16.0 -1.4
 ScP 09 29 09.0 0.1
 ScS 09 32 51.0 1.2

QZH 19.3 267 -iP 09 22 19.0 -0.1
 PMZ 2.5 2.25

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			iS	09 25 25.0	-3.1						ScS	09 33 20.0	-0.5		
			SME			13.0	7.02		XAN	27.4 291	-iP	09 23 32.4	-0.2		
SNY	19.6	321	+iP	09 22 22.0	0.2						PMZ			0.8	0.31
			PMZ	$m_B=6.0$		8.0	3.06				sP	09 25 47.5	-0.8		
			sP	09 24 24.0	-0.8						PcP	09 26 37.0	0.3		
			S	09 25 32.0	-0.3						iS	09 27 36.5	-2.7		
			SMN	$m_B=5.4$		7.5	4.20				SMN	$m_B=5.1$		6.0	0.89
			SME			9.0	4.53				SME			6.0	0.61
			ScP	09 29 10.8	0.5						ScP	09 29 31.5	0.5		
			ScS	09 32 52.0	0.2				BTO	27.9 306	-iP	09 23 37.0	-0.2		
CN2	20.0	328	-iP	09 22 26.2	0.1						pP	09 24 58.0	4.7		
			PMZ			2.0	1.60				esP	09 25 53.0	-0.1		
			sP	09 24 30.0	-0.5						S	09 27 48.0	1.7		
			S	09 25 48.0	8.1						PcS	09 30 17.0	-1.2		
			SMN	$m_B=5.3$		8.0	3.70		QZN	28.8 260	eP	09 23 43.0	-2.4		
			SME			6.0	2.40				pP	09 25 06.5	-1.8		
			PcP	09 26 19.5	-1.4						S	09 28 02.0	0.8		
			ScP	09 29 10.5	-0.8						SMN	$m_B=5.2$		9.5	1.00
			ScS	09 32 52.0	-1.3						SME			9.5	1.50
TIA	21.2	300	-P	09 22 37.6	0.6						PcS	09 30 23.0	1.8		
			PMZ	$m_B=6.0$		6.0	2.65				ScS	09 33 29.0	-0.6		
			esP	09 24 40.7	-4.2				GYA	29.6 276	-P	09 23 52.6	0.3		
			ScP	09 29 15.3	1.2						pP	09 25 12.0	-2.7		
			S	09 26 06.0	6.6						PcP	09 26 43.6	1.1		
			SMN	$m_B=5.5$		7.0	1.68				iS	09 28 12.0	-2.4		
			SME			7.0	5.76				ScP	09 29 40.0	1.9		
			ScS	09 32 58.8	1.4						SMN	$m_B=5.3$		5.0	0.80
WHN	22.6	284	-iP	09 22 50.3	0.8						SME			5.0	0.90
			PMZ			1.0	0.58				PcS	09 30 26.0	2.3		
			sP	09 25 00.0	-0.7						ScS	09 33 32.0	-1.4		
			SMN	$m_B=5.6$		6.0	2.33		KMI	33.3 275	-iP	09 24 25.0	0.8		
			SME			5.0	3.86				PMZ			2.0	1.10
BJI	23.3	309	-P	09 22 55.0	-1.3						pP	09 25 51.0	2.3		
			esP	09 25 06.0	-2.5						sP	09 26 40.5	-1.8		
			PcP	09 26 27.0	-0.5						S	09 29 10.5	-0.3		
			ScP	09 29 20.0	0.5						sS	09 31 44.0	1.3		
			eS	09 26 32.0	-2.5				GTA	35.3 300	-iP	09 24 39.9	-0.2		
			SME	$m_B=4.7$		10.0	1.15				PP	09 26 14.5	-0.7		
			ScS	09 33 06.0	0.6						PcP	09 26 58.5	0.3		
GZH	24.4	266	-iP	09 23 06.5	0.2						S	09 29 38.7	-1.2		
			S	09 26 50.0	-1.6						SME	$m_B=5.1$		12.0	1.06
TIY	25.2	301	-iP	09 23 13.5	-0.2						ScP	09 29 59.3	1.8		
			PMZ			2.0	1.60				SS	09 32 36.3	6.0		
			sP	09 25 27.0	-0.7				LSA	42.6 285	-iP	09 25 40.5	-0.1		
			S	09 27 05.5	0.9						sP	09 27 58.0	-3.2		
			SME	$m_B=4.8$		11.0	1.12				PcS	09 31 13.0	1.2		
HHC	26.9	307	-iP	09 23 27.0	-1.2						eS	09 31 30.0	0.0		
			sP	09 25 42.0	-1.5				WMQ	44.7 306	-iP	09 25 56.7	0.1		
			eS	09 27 30.0	-1.4						PMZ			2.0	1.68
			ScP	09 29 30.0	0.5						PcP	09 27 29.5	0.5		

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GTA	44.5	316	+iP	18 23 47.6	0.1		
LSA	47.9	300	P	18 24 14.8	0.1		
WMQ	54.5	316	+iP	18 25 04.6	-0.2		
1986 3 18							
O=01 22 35.1 ± 0.17s							
LAT=26.69 N ± 1.94km							
LONG=103.08 E ± 1.66km							
DEPTH= 15 km ± 0.18km							
STATIONS USED = 53, STAND DEV = 3.35s							
Ms=4.6/14, ML=4.6/19,							
KMI	1.6	191	Pn	01 23 03.5	0.0		
			Sn	01 23 25.0	-0.3		
			SME	ML=4.1	1.0	2.45	
GYA	3.2	93	Pn	01 23 19.8	-5.9		
			Pg	01 23 37.8	5.9		
			Sg	01 24 18.0	2.0		
			LN	Ms=4.8	5.0	12.7	
			LE		5.0	3.80	
CD2	4.2	8	ePn	01 23 43.4	3.6		
			Pg	01 23 55.0	4.9		
			Sn	01 24 35.7	4.6		
			Sg	01 24 52.7	4.5		
			SME	ML=4.8	1.2	1.88	
			LE	Ms=4.8	5.0	9.47	
XAN	8.9	33	eP	01 24 44.6	-1.8		
			LG ₁	01 27 18.0	3.6		
			LG ₂	01 27 31.0	2.5		
			LN	Ms=4.7	7.0	2.26	
			LE		7.0	1.98	
QZN	9.8	139	eP	01 25 04.2	4.7		
			eS	01 26 55.0	4.1		
			LN	Ms=4.8	9.0	3.30	
			LE		9.0	2.70	
GZH	10.0	109	eP	01 25 00.6	-0.8		
			eS	01 26 55.0	0.7		
			LN	Ms=4.0	12.0	0.88	
WHN	10.6	66	P	01 25 10.0	-0.1		
			eS	01 27 07.5	-2.4		
			LN	Ms=4.6	10.0	2.50	
LSA	10.9	289	eP	01 25 11.5	-3.6		
GTA	13.0	349	eP	01 25 34.4	-7.9		
			LE	Ms=4.0	16.5	0.80	
BTO	15.0	21	eP	01 26 06.6	-2.5		
			LN	Ms=4.4	12.0	1.10	
			LE		10.0	0.30	
TIA	15.3	48	eP	01 26 12.9	0.7		
BJI	17.2	36	eP	01 26 36.5	-0.4		
DL2	19.7	47	eP	01 27 08.5	1.0		
SNY	22.6	43	eP	01 27 37.6	0.6		

CN2	24.9	41	+P	01 28 01.2	2.1		
KSH	25.9	306	eP	01 28 12.5	3.4		

1986 3 18

O=01 46 47.2 ± 0.11s

LAT=28.51 N ± 2.64km

LONG=140.91 E ± 2.25km

DEPTH= 22 km ± 0.85km

STATIONS USED = 41, STAND DEV = 1.94s

Ms=4.7/21,

m_B=5.7/22

SSE	17.3	283	+P	01 50 50.5	1.1		
			PMZ		m _B =5.6	6.0	1.80
			eS	01 54 00.0	0.0		
			SS	01 54 16.0	-4.7		
			LN	Ms=4.4	16.0	1.16	
MDJ	18.4	334	eP	01 51 01.1	-2.3		
			S	01 54 34.0	9.2		
DL2	19.1	308	eP	01 51 09.5	-1.6		
			PMZ		m _B =5.7	6.0	2.15
			eS	01 54 46.0	6.4		
			SMN		m _B =5.8	5.0	0.84
			SME			7.0	2.73
			LN	Ms=4.7	10.0	1.13	
NJ2	19.4	286	-P	01 51 12.5	-2.0		
			PMZ		m _B =5.6	6.0	1.70
			LN	Ms=5.2	9.0	3.50	
SNY	19.4	318	+iP	01 51 17.0	2.5		
			S	01 54 50.0	4.1		
			SMN		m _B =5.4	7.0	0.62
			SME			8.0	1.22
			LN	Ms=4.7	12.0	0.97	
			LE			12.0	1.08
CN2	19.7	325	-P	01 51 18.0	0.2		
			PMZ		m _B =5.3	5.0	0.80
			eS	01 54 58.0	4.8		
			LN	Ms=4.7	10.0	1.20	
QZH	20.2	265	+P	01 51 20.0	-4.1		
			PMZ		m _B =5.7	5.0	1.71
			S	01 54 55.0	-9.8		
			LN	Ms=4.2	10.0	0.31	
TIA	21.5	297	eP	01 51 33.6	-3.1		
			PMZ		m _B =5.8	6.0	2.38
			eS	01 55 34.0	4.8		
			SMN		m _B =5.5	7.0	0.49
			SME			7.0	1.26
			LE	Ms=4.5	10.0	0.62	
WHN	23.2	282	P	01 51 55.0	1.3		
			PMZ		m _B =6.0	5.0	2.85
			PP	01 52 28.0	4.2		
			eS	01 56 00.0	-0.3		

			SMN	$m_B = 5.7$	6.0	1.62			LG ₂	03 15 16.3	-5.1					
			LN	$M_s = 4.8$	11.0	1.20			LN	$M_s = 4.3$	6.0	1.54				
BJI	23.4	306	eP	01 51 56.0	0.5				CN2	14.8	350	-P	03 15 16.5	9.1		
			eS	01 56 09.0	5.4				MDJ	15.4	2	eP	03 15 13.3	-1.7		
			SMN	$m_B = 5.6$	9.0	1.45			XAN	17.6	291	eP	03 15 45.4	2.4		
			SME		10.0	1.08			GYA	19.8	267	P	03 16 11.2	2.1		
			SS	01 56 56.0	6.3								LN	$M_s = 4.5$	11.0	0.80
			LE	$M_s = 4.5$	16.0	0.89			CD2	21.7	281	eP	03 16 29.6	0.0		
GZH	25.4	264	+P	01 52 18.0	3.2								eS	03 20 18.0	-8.0	
TIY	25.5	298	eP	01 52 14.8	-1.1								LN	$M_s = 4.7$	15.0	1.32
			PMZ	$m_B = 6.2$	5.0	2.78			GTA	25.9	301	eP	03 17 11.0	0.6		
			PP	01 52 56.5	2.0								LN	$M_s = 4.7$	18.0	1.30
			eS	01 56 44.0	4.3											
			LE	$M_s = 4.5$	11.0	0.50										
HHC	27.0	305	P	01 52 30.0	0.3											
			PMZ	$m_B = 5.9$	6.0	1.55										
			(S)	01 57 05.0	0.9											
			LN	$M_s = 4.7$	11.0	0.73										
XAN	27.8	290	+P	01 52 38.0	0.5											
			eS	01 57 20.0	2.1											
			LN	$M_s = 4.5$	11.0	0.45										
BTO	28.0	304	eP	01 52 40.0	0.7											
			PMZ	$m_B = 5.9$	6.0	1.40										
			eS	01 57 22.0	0.9											
			LN	$M_s = 4.8$	15.0	0.90										
			LE		15.0	0.70										
QZN	29.9	258	P	01 52 57.5	1.6											
			sP	01 53 11.0	4.4											
			eS	01 57 54.5	3.7											
GYA	30.4	274	P	01 53 00.0	-0.5											
			S	01 58 01.6	3.6											
CD2	32.3	283	eP	01 53 18.8	1.8											
			S	01 58 33.0	5.7											
GTA	35.5	299	P	01 53 45.0	0.0											
			PP	01 55 06.0	1.6											
			eS	01 59 22.0	3.2											
			LN	$M_s = 4.7$	9.0	0.41										
WMQ	44.8	305	P	01 55 03.0	0.8											
KSH	53.9	300	+P	01 56 13.7	1.8											
			PP	01 58 15.7	2.1											
<p>1986 3 18 $O = 03 11 34.7 \pm 0.51s$ $LAT = 29.19 N \pm 4.26km$ $LONG = 128.81 E \pm 3.12km$ $DEPTH = 4 km \pm 1.06km$ $STATIONS USED = 18, STAND DEV = 3.93s$ $M_s = 4.5 / 5,$</p>																
SSE	6.9	288	ePn	03 13 21.3	4.8											
			LG ₁	03 15 03.0	-7.5											
<p>1986 3 18 $O = 07 00 46.8 \pm 0.07s$ $LAT = 30.99 N \pm 0.91km$ $LONG = 138.20 E \pm 1.29km$ $DEPTH = 411 km \pm 0.36km$ $STATIONS USED = 35, STAND DEV = 1.04s$</p>																
DL2	15.7	305	eP	07 04 08.0	-0.3											
BJI	20.0	303	eP	07 04 51.5	0.1											
XAN	24.8	285	-iP	07 05 35.7	-0.4											
GTA	32.3	296	-iP	07 06 41.5	0.1											
WMQ	41.5	303	-iP	07 07 58.5	0.6											
<p>1986 3 18 $O = 09 13 29.3 \pm 0.21s$ $LAT = 24.85 N \pm 2.65km$ $LONG = 123.08 E \pm 2.64km$ $DEPTH = 14 km \pm 0.63km$ $STATIONS USED = 60, STAND DEV = 2.69s$ $M_s = 4.9 / 29, m_B = 5.1 / 2$</p>																
QZH	4.1	272	ePn	09 14 29.5	-2.2											
			Sn	09 15 20.0	-1.3											
			LN	$M_s = 3.2$	11.0	0.56										
SSE	6.4	345	Pn	09 15 03.4	-0.8											
			LG ₁	09 16 45.3	-6.4											
			LG ₂	09 17 00.2	-1.7											
			LN	$M_s = 4.6$	9.0	1.72										
			LE		9.0	4.26										
NJ2	8.1	334	+P	09 15 25.4	-3.9											
			LN	$M_s = 4.8$	10.0	5.00										
			LE		10.0	4.00										
GZH	9.1	261	eP	09 15 45.0	1.8											
			LN	$M_s = 4.7$	9.0	1.91										
			LE		10.0	3.82										
WHN	9.6	308	P	09 15 45.7	-4.6											
			LG ₁	09 18 29.0	-1.6											
			LG ₂	09 18 36.0	-9.8											
			LN	$M_s = 5.1$	12.0	9.50										

			LE		12.0	5.47			LAT=26.28 N	± 2.00km			
TIA	12.4	337	eP	09 16 30.4	1.4				LONG=100.16 E	± 1.46km			
			eLG ₂	09 20 21.8	2.4				DEPTH= 10 km	± 0.55km			
			LN	Ms=4.7	11.0	0.72			STATIONS USED = 11,	STAND DEV = 4.67s			
			LE		11.0	2.73			M _L =3.9 / 4,				
QZN	13.6	247	e(P)	09 16 42.7	-1.7			KMI	2.6	116	ePn	12 17 21.5	1.7
			eS	09 19 11.0	-5.1						Sn	12 17 58.0	4.9
			LN	Ms=4.6	9.0	1.20					SMN	M _L =4.0	1.2 0.50
			LE		9.0	0.80					SME		1.2 0.90
GYA	14.9	280	P	09 17 06.4	4.6			CD2	5.6	34	Pn	12 18 04.1	3.3
			S	09 19 53.0	6.1						Pg	12 18 21.8	5.9
			LN	Ms=5.0	11.0	4.00					Sn	12 19 09.1	1.8
XAN	15.3	310	eP	09 17 04.6	-3.0						SME	M _L =3.8	1.2 0.090
			pP	09 17 12.2	-0.3			GYA	5.8	87	Pn	12 18 06.6	2.3
			LN	Ms=5.1	13.0	4.86		XAN	10.8	42	eP	12 19 06.6	-9.0
			LE		13.0	3.14							
TIY	15.7	327	eP	09 17 15.0	2.7				1986 3 18				
			LN	Ms=5.1	9.0	0.59			O=15 21 00.5	± 0.05s			
			LE		10.0	3.76			LAT=26.28 N	± 0.67km			
BJI	16.2	341	eP	09 17 19.0	0.3				LONG= 99.95 E	± 0.48km			
SNY	16.9	1	eP	09 17 29.0	1.2				DEPTH= 1 km	± 0.17km			
			S	09 20 26.0	-8.4				STATIONS USED = 6,	STAND DEV = 2.88s			
			LE	Ms=4.6	18.0	2.05			M _L =3.4 / 3,				
CD2	18.1	294	P	09 17 38.0	-4.6			KMI	2.8	114	-Pn	15 21 45.5	-0.9
			LE	Ms=5.1	8.0	2.41					Sn	15 22 19.0	-3.2
KMI	18.4	275	eP	09 17 48.5	1.6						SMN	M _L =3.5	1.2 0.16
HHC	18.6	332	P	09 17 49.3	0.3						SME		1.4 0.28
			SMN	m _B =5.1	10.0	0.66		CD2	5.7	35	ePn	15 22 28.2	1.6
			SME		10.0	0.85							
			LN	Ms=5.2	11.0	4.16			1986 3 18				
			LE		11.0	1.78			O=15 42 29.0	± 0.10s			
CN2	19.0	5	eP	09 17 53.2	-0.3				LAT=33.13 N	± 1.37km			
			eS	09 21 16.0	-5.9				LONG=138.05 E	± 0.94km			
BTO	19.1	328	eP	09 17 55.0	-0.1				DEPTH=323 km	± 1.39km			
			eS	09 21 20.0	-5.0				STATIONS USED = 15,	STAND DEV = 1.51s			
			LN	Ms=5.0	12.0	1.40		MDJ	13.2	333	eP	15 45 27.0	0.0
			LE		12.0	2.70		CN2	14.5	321	P	15 45 41.6	-0.4
LZH	20.0	309	-P	09 18 04.0	-0.6			BJI	18.8	298	eP	15 46 27.0	-0.7
			PMZ		2.0	0.17		XAN	24.3	280	+P	15 47 18.9	-0.6
			eS	09 21 40.0	-3.9								
MDJ	20.4	13	-P	09 18 09.8	0.7				1986 3 18				
			iS	09 22 00.0	7.3				O=16 24 50.3	± 0.01s			
			LE	Ms=5.2	15.0	4.76			LAT=26.29 N	± 0.13km			
GTA	24.4	312	P	09 18 48.7	0.0				LONG=100.00 E	± 0.10km			
			sS	09 23 10.6	-4.1				DEPTH= 1 km	± 0.04km			
			LN	Ms=4.9	12.0	1.61			STATIONS USED = 5,	STAND DEV = 2.48s			
WMQ	34.5	312	eP	09 20 19.4	0.0				M _L =3.3 / 3,				
								KMI	2.7	115	ePn	16 25 36.5	0.8
											Sn	16 26 10.0	-1.1
											SMN	M _L =3.3	1.2 0.12

1986 3 18

O=12 16 37.1 ± 0.17s

SME				1.0	0.17							
CD2	5.7	35	Pn	16 26 17.4	1.6			sP	03 03 56.0	-0.7		
1986 3 18								PP	03 04 01.0	1.5		
O=16 51 04.2				± 0.10s				S	03 06 37.0	5.5		
LAT= 3.61 N				± 1.30km				LG ₂	03 08 24.0	0.7		
LONG=127.13 E				± 3.11km				LN	Ms=5.4	10.0	8.50	
DEPTH= 39 km				± 0.53km				LE		10.0	3.30	
STATIONS USED = 19, STAND DEV = 1.93s								XAN	15.2 310	eP	03 03 52.6	-2.4
XAN	34.7	333	eP	16 57 49.0	-3.9			PP	03 04 04.2	-2.4		
BJI	37.6	346	eP	16 58 16.5	-0.7			eS	03 06 52.0	7.8		
SNY	38.2	356	eP	16 58 23.0	0.8			LN	Ms=5.6	13.0	14.4	
GTA	43.4	329	eP	16 59 03.0	-2.4			LE		12.0	7.24	
1986 3 19								TIY	15.6 328	P	03 04 03.0	2.6
O=03 00 18.4				± 0.17s				LN	Ms=5.4	10.0	1.58	
LAT=24.82 N				± 2.42km				LE		11.0	9.91	
LONG=122.86 E				± 2.36km				BJI	16.2 341	eP	03 04 06.0	-1.4
DEPTH= 13 km				± 0.53km				SNY	17.0 2	+iP	03 04 18.0	0.5
STATIONS USED = 76, STAND DEV = 2.71s								PMZ	m _B =4.9	12.0	0.73	
Ms=5.4/35, M _L =4.5/2, m _B =5.2/4								PP	03 04 41.0	9.8		
QZH	3.9	273	ePn	03 01 16.7	-1.4			S	03 07 30.0	5.5		
			Sn	03 02 14.5	9.0			SS	03 07 49.0	4.0		
			SMN	M _L =4.3	1.2	0.87		LN	Ms=5.1	10.0	2.46	
			SME		1.2	0.50		LE		12.0	2.69	
			LN	Ms=4.7	9.0	14.4		CD2	17.9 294	eP	03 04 28.9	-0.7
NJ2	8.0	335	eP	03 02 13.1	-4.5			S	03 07 46.0	-0.4		
			S	03 03 44.0	-4.8			LN	Ms=5.6	15.0	15.1	
			LN	Ms=5.3	10.0	18.6		KMI	18.2 275	-P	03 04 34.0	0.4
GZH	8.9	261	eP	03 02 33.2	3.7			eS	03 07 54.0	-0.5		
			S	03 04 10.0	-0.1			LN	Ms=5.5	14.0	11.0	
			LN	Ms=5.3	9.0	7.13		BTO	19.0 329	-P	03 04 45.0	1.6
			LE		10.0	15.1		pP	03 04 48.0	-0.1		
WHN	9.4	309	eP	03 02 37.5	0.0			eS	03 08 16.0	3.5		
			pP	03 02 40.7	-2.0			esS	03 08 21.0	0.7		
			sP	03 02 43.7	-1.9			LN	Ms=5.5	12.0	5.50	
			S	03 04 20.0	-4.4			LE		12.0	7.90	
			LG ₁	03 05 09.0	-6.2			CN2	19.1 6	+P	03 04 42.0	-1.3
			LN	Ms=5.4	13.0	25.4		PMZ	m _B =5.1	4.0	0.40	
TIA	12.4	338	eP	03 03 23.4	5.9			sP	03 04 49.0	-2.8		
			LN	Ms=5.1	10.0	2.03		eS	03 08 09.0	-3.3		
			LE		10.0	5.30		SME	m _B =5.3	7.0	1.20	
QZN	13.4	247	eP	03 03 32.8	1.9			LN	Ms=5.2	12.0	4.70	
			eS	03 06 06.0	5.4			LZH	19.8 309	+P	03 04 51.5	-0.8
			LN	Ms=4.9	13.5	3.10		PMZ		1.5	0.14	
			LE		12.5	2.50		eS	03 08 32.0	1.9		
DL2	14.1	356	eP	03 03 36.0	-4.1			SMN	m _B =5.4	9.0	1.90	
			eS	03 06 11.0	-6.3			LN	Ms=5.4	12.0	5.90	
			LN	Ms=5.1	12.0	6.00		LE		14.0	3.70	
GYA	14.7	280	P	03 03 49.0	0.6			MDJ	20.5 14	-P	03 04 58.0	-1.1
								pP	03 05 03.5	-1.2		
								PP	03 05 22.5	3.1		
								eS	03 08 44.0	0.4		

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	sS	03 08 52.0	0.3		
	LE	Ms=5.7	15.0	14.3	
GTA	24.2 312 P	03 05 35.6	-1.1		
	eS	03 09 54.0	1.6		
	LN	Ms=5.5	12.0	5.50	
WMQ	34.3 312 eP	03 07 05.0	-2.5		
	pP	03 07 10.0	-3.3		
	PP	03 08 30.5	8.6		
	(S)	03 12 36.0	2.0		
	LN	Ms=5.4	16.0	3.96	
KSH	41.8 302 eP	03 08 11.0	0.7		

1986 3 19

O=14 44 15.0 ± 0.10s
 LAT=26.14 N ± 1.21km
 LONG=100.06 E ± 0.85km
 DEPTH= 3 km ± 0.31km
 STATIONS USED = 6, STAND DEV = 4.25s

$M_L = 3.6 / 4,$

KMI	2.6 112 Pn	14 45 00.5	1.8		
	Sn	14 45 35.0	2.3		
	SMN	$M_L = 3.6$	1.0	0.27	
	SME		1.0	0.38	
CD2	5.8 34 Pn	14 45 47.0	5.4		
	Sn	14 46 46.2	-4.1		
	SMN	$M_L = 3.5$	1.2	0.030	
	SME		1.2	0.050	
GYA	5.9 86 ePn	14 45 43.0	-1.1		

1986 3 19

O=15 29 10.9 ± 0.12s
 LAT=37.42 N ± 2.13km
 LONG= 27.02 E ± 1.36km
 DEPTH= 20 km ± 0.20km
 STATIONS USED = 25, STAND DEV = 1.57s

WMQ	45.6 62 P	15 37 34.0	1.8		
GTA	55.6 64 P	15 38 48.2	-0.1		
CD2	62.2 71 eP	15 39 34.6	0.4		
HHC	63.2 58 eP	15 39 40.2	-0.4		
XAN	64.5 66 eP	15 39 49.2	-0.2		
BJI	66.6 57 eP	15 40 02.0	-0.9		
NJ2	72.7 63 eP	15 40 40.0	0.0		

1986 3 19

O=16 24 31.0 ± 0.07s
 LAT=35.89 N ± 2.20km
 LONG= 31.33 E ± 1.03km
 DEPTH= 27 km ± 0.36km
 STATIONS USED = 15, STAND DEV = 0.75s

WMQ	43.3 62 eP	16 32 33.5	1.0		
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GTA	53.1 64 +P	16 33 49.5	0.0		
HHC	61.0 59 -P	16 34 45.0	-0.2		
XAN	62.0 67 eP	16 34 52.3	0.7		

1986 3 19

O=18 07 57.4 ± 0.02s
 LAT=24.83 N ± 0.48km
 LONG=123.54 E ± 0.24km
 DEPTH=132 km ± 0.50km
 STATIONS USED = 11, STAND DEV = 0.64s

$M_L = 3.3 / 2,$

QZH	4.5 272 +iP	18 09 04.5	-0.5		
	S	18 09 51.0	-5.6		
	SMN	$M_L = 3.3$	0.5	0.060	
	SME		0.5	0.030	
SSE	6.6 342 P	18 09 33.5	0.6		
CN2	19.0 4 (P)	18 12 11.0	-0.3		
KSH	42.4 302 eP	18 15 41.0	0.5		

1986 3 19

O=18 28 50.5 ± 0.16s
 LAT=52.29 N ± 2.37km
 LONG=173.98 E ± 0.91km
 DEPTH= 36 km ± 0.57km
 STATIONS USED = 37, STAND DEV = 0.96s

$M_s = 5.5 / 2,$

MDJ	30.0 273 eP	18 34 57.0	-1.6		
CN2	33.0 275 +P	18 35 23.3	-1.4		
DL2	38.2 271 -P	18 36 08.3	-0.3		
	LN	$M_s = 5.3$	10.0	1.35	
	LE		10.0	0.85	
HHC	43.1 280 P	18 36 50.1	0.3		
BTO	44.2 281 eP	18 37 00.0	1.4		
TIY	44.5 276 -P	18 37 03.1	1.9		
WHN	48.2 267 +P	18 37 30.0	0.2		
XAN	49.1 275 eP	18 37 37.2	0.2		
LZH	50.8 281 eP	18 37 51.0	0.7		
CD2	54.4 276 eP	18 38 17.0	0.0		
WMQ	55.0 298 +iP	18 38 21.2	-0.3		
GYA	55.8 270 P	18 38 27.0	-0.1		

1986 3 19

O=18 54 39.2 ± 0.35s
 LAT=24.55 N ± 1.78km
 LONG=122.23 E ± 3.58km
 DEPTH= 9 km ± 0.12km
 STATIONS USED = 11, STAND DEV = 3.31s

$M_s = 3.3 / 2, M_L = 4.1 / 3,$

QZH	3.3 278 ePn	18 55 29.0	-2.9		
	Pg	18 55 38.8	0.7		

	ePP	21 38 47.5	-1.3		
	S	21 44 03.5	4.8		
	SME	$m_B = 5.4$	10.0	0.49	
	LN	$M_s = 5.2$	16.0	1.30	
WMQ	55.8 315 -P	21 37 37.5	-0.1		
	pP	21 37 46.0	-3.1		
	sP	21 37 52.5	-1.4		
	PP	21 39 44.0	1.3		
	S	21 45 26.0	7.3		
	ScS	21 47 20.0	1.8		
	LN	$M_s = 5.5$	18.0	2.43	
KSH	63.6 308 -P	21 38 31.8	0.6		
	pP	21 38 41.8	-1.0		
	eS	21 47 08.8	8.3		
	LN	$M_s = 5.7$	13.0	2.10	

1986 3 19

O = 21 35 16.3 ± 0.12s
 LAT = 24.82 N ± 1.43km
 LONG = 122.82 E ± 1.84km
 DEPTH = 7 km ± 0.41km
 STATIONS USED = 34, STAND DEV = 2.75s
 $M_s = 4.7 / 10, M_L = 4.3 / 2,$

QZH	3.8 273 ePn	21 36 17.5	1.4		
	Sn	21 37 09.0	5.4		
	LN	$M_s = 4.4$	9.0	7.05	
SSE	6.4 347 ePn	21 36 52.7	1.1		
	LG ₁	21 38 33.6	-4.4		
	LG ₂	21 38 50.9	2.7		
	LN		1.0	0.090	
	LE		1.5	0.52	
NJ2	8.0 335 eP	21 37 08.0	-8.1		
	LE	$M_s = 4.7$	10.0	4.70	
GZH	8.8 261 eP	21 37 31.0	3.4		
	eS	21 39 06.5	-1.9		
	LN	$M_s = 4.7$	14.0	5.43	
XAN	15.2 310 eP	21 38 49.0	-4.3		
	PP	21 38 59.5	-5.4		
	LN	$M_s = 5.2$	13.0	6.29	
	LE		12.0	3.74	
SNY	17.0 2 +P	21 39 21.0	4.8		
HHC	18.5 332 eP	21 39 35.2	-0.7		
BTO	19.0 329 eP	21 39 43.0	1.2		
CN2	19.1 6 +P	21 39 40.6	-1.4		
LZH	19.8 309 eP	21 39 51.5	0.8		
	PMZ		1.5	0.16	
MDJ	20.5 14 eP	21 39 57.5	-0.5		
GTA	24.2 312 P	21 40 36.2	1.0		
	LN	$M_s = 5.1$	20.0	3.87	

1986 3 20
 O = 09 08 40.9 ± 0.16s
 LAT = 24.89 N ± 1.40km
 LONG = 122.77 E ± 1.77km
 DEPTH = 16 km
 STATIONS USED = 14, STAND DEV = 2.72s
 $M_s = 3.7 / 5,$

QZH	3.8 272 ePg	09 09 51.0	2.9		
	LN	$M_s = 3.5$	9.0	1.10	
SSE	6.3 348 ePn	09 10 16.4	2.1		
	LG ₂	09 12 15.0	4.8		
	LN	$M_s = 3.7$	11.0	0.81	
XAN	15.1 310 e(P)	09 12 15.0	-0.9		
	LN	$M_s = 4.4$	13.0	0.86	
	LE		12.0	0.50	
CN2	19.0 6 +P	09 13 01.0	-3.9		
GTA	24.1 312 P	09 13 55.0	-2.9		
	LN	$M_s = 4.4$	16.0	0.71	

1986 3 20

O = 09 25 19.2 ± 0.14s
 LAT = 24.96 N ± 1.92km
 LONG = 122.96 E ± 1.82km
 DEPTH = 8 km ± 1.06km
 STATIONS USED = 16, STAND DEV = 3.02s
 $M_s = 4.2 / 4,$

QZH	4.0 271 ePg	09 26 33.0	3.7		
	eSg	09 27 31.0	7.5		
	LN	$M_s = 3.8$	8.0	1.54	
CN2	18.9 6 eP	09 29 45.4	2.5		
LZH	19.8 309 eP	09 29 53.0	-0.6		
GTA	24.2 312 P	09 30 37.2	-0.8		
	eS	09 34 49.9	-4.2		
	LE	$M_s = 4.5$	11.0	0.55	

1986 3 20

O = 09 25 55.6 ± 0.27s
 LAT = 24.68 N ± 2.71km
 LONG = 123.17 E ± 2.68km
 DEPTH = 16 km
 STATIONS USED = 17, STAND DEV = 4.25s
 $M_s = 4.5 / 8,$

NJ2	8.3 334 eP	09 27 54.0	-4.1		
	eS	09 29 27.0	-5.0		
	LN	$M_s = 4.5$	8.0	2.50	
GZH	9.1 262 e(P)	09 28 18.0	8.0		
	eS	09 29 54.1	0.6		
	LE	$M_s = 4.5$	10.0	2.27	
WHN	9.8 309 eP	09 28 25.0	6.3		
	LG ₁	09 31 03.0	0.8		

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			LN	Ms=4.6	15.0	3.18
			LE		9.0	2.01
GYA	15.0	280	P	09 29 34.2	4.9	
XAN	15.5	310	eP	09 29 39.2	3.3	
			LN	Ms=4.6	9.0	0.61
			LE		9.0	1.02
TIY	15.9	327	eP	09 29 41.6	0.8	
SNY	17.1	1	eP	09 30 00.4	4.3	
CD2	18.3	294	eP	09 30 08.1	-2.3	
			LE	Ms=4.8	8.0	1.37
CN2	19.2	5	eP	09 30 21.0	-0.5	
BTO	19.3	328	eP	09 30 27.3	4.0	
			LN	Ms=4.5	15.0	0.60
			LE		15.0	0.80
MDJ	20.6	13	eP	09 30 37.0	0.2	

1986 3 20

O=10 00 54.4 ± 0.13s
 LAT=42.07 N ± 1.53km
 LONG= 86.89 E ± 1.31km
 DEPTH= 14 km ± 0.58km
 STATIONS USED = 11, STAND DEV = 3.82s

M_L=4.4 / 6,

WMQ	1.8	18	iPg	10 01 27.4	0.2	
			Sg	10 01 49.0	-3.3	
			SMN	Ms=4.6	1.0	5.72
			SME		1.0	4.98
GTA	10.2	101	P	10 03 21.3	-2.1	
			LG ₁	10 06 16.7	3.0	
			LN		1.0	0.050
			LE		1.0	0.050
GYA	22.5	128	eP	10 06 02.0	6.7	

1986 3 20

O=11 40 16.5 ± 0.08s
 LAT=17.27 S ± 1.19km
 LONG=167.20 E ± 1.00km
 DEPTH= 27 km ± 0.24km
 STATIONS USED = 25, STAND DEV = 1.32s

DL2	70.3	324	eP	11 51 29.0	-1.2	
CN2	71.8	329	+P	11 51 38.4	-0.8	
GYA	73.1	305	P	11 51 47.6	0.3	
BJI	74.2	322	eP	11 51 53.0	-0.4	
XAN	75.4	313	eP	11 52 00.0	-0.2	
CD2	77.5	308	eP	11 52 12.9	0.5	
GTA	84.4	314	+P	11 52 46.8	-2.0	

1986 3 20

O=12 39 35.6 ± 0.27s
 LAT=24.75 N ± 1.56km

LONG=122.24 E ± 3.27km
 DEPTH= 7 km ± 0.49km
 STATIONS USED = 9, STAND DEV = 4.80s
 M_L=3.4 / 2,

SSE	6.4	352	ePn	12 41 03.5	-6.9	
			LG ₁	12 42 58.5	2.1	
CD2	17.5	295	eP	12 43 38.4	-3.1	

1986 3 20

O=19 10 27.4 ± 0.10s
 LAT=56.09 S ± 2.41km
 LONG= 27.57 W ± 3.62km
 DEPTH=109 km ± 0.62km
 STATIONS USED = 16, STAND DEV = 2.48s

GTA	141.9	93	ePKP	19 29 42.5	-5.2	
NJ2	146.5	122	-PKP	19 29 57.5	2.1	
TIY	147.7	108	PKP	19 30 00.2	2.8	
TIA	149.0	115	+PKP	19 30 03.4	3.9	

1986 3 20

O=19 40 08.6 ± 0.13s
 LAT=54.30 N ± 3.40km
 LONG=168.21 W ± 1.81km
 DEPTH= 32 km ± 0.23km
 STATIONS USED = 34, STAND DEV = 2.25s

Ms=5.1 / 4,

MDJ	40.3	283	eP	19 47 45.0	-0.2	
CN2	43.2	284	+P	19 48 07.0	-1.7	
SNY	45.5	283	eP	19 48 26.6	-0.7	
			eS	19 54 57.0	-9.6	
			eSS	19 58 18.0	-3.5	
			LN	Ms=5.1	28.0	1.55
			LE		28.0	1.11
BJI	50.9	287	eP	19 49 14.5	5.4	
HHC	52.9	290	eP	19 49 23.0	-1.3	
BTO	53.9	291	eP	19 49 31.5	-0.4	
			LN	Ms=5.3	16.0	1.30
			LE		16.0	0.50
XAN	59.2	286	eP	19 50 14.0	4.3	
GTA	60.2	297	P	19 50 15.1	-1.6	
			LN	Ms=5.1	16.0	0.76
WMQ	62.9	308	eP	19 50 31.0	-3.7	

1986 3 20

O=21 00 24.0 ± 0.16s
 LAT= 6.14 S ± 2.78km
 LONG=105.39 E ± 2.47km
 DEPTH= 68 km ± 0.56km
 STATIONS USED = 49, STAND DEV = 1.84s
 Ms=5.1 / 14,

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QZN	25.4	10	P	21 05 51.2	4.2		
			PP	21 06 33.0	4.9		
			sS	21 10 34.0	0.4		
			LN	Ms=5.1	10.5	1.10	
			LE		10.0	1.50	
KMI	31.2	355	cP	21 06 40.0	0.5		
GYA	32.4	2	P	21 06 50.4	0.1		
			LN	Ms=5.2	12.0	1.30	
			LE		12.0	1.60	
CD2	36.9	358	cP	21 07 28.6	0.4		
			LE	Ms=5.4	10.0	2.04	
XAN	40.1	5	cP	21 07 54.5	-0.5		
			LN	Ms=5.2	10.0	0.84	
			LE		10.0	0.63	
LZH	42.0	358	cP	21 08 11.5	0.5		
TIA	43.5	14	cP	21 08 23.7	0.5		
			LE	Ms=5.0	12.0	0.74	
TIY	44.1	8	cP	21 08 28.4	0.4		
			LE	Ms=4.9	12.0	0.62	
GTA	45.6	354	P	21 08 40.0	0.0		
			PcP	21 10 18.7	1.7		
			LN	Ms=5.0	9.0	0.52	
BTO	46.7	5	cP	21 08 49.0	0.5		
			eS	21 15 41.0	8.4		
			LN	Ms=5.2	11.0	0.60	
			LE		12.0	0.70	
BJI	47.0	11	cP	21 08 51.0	0.2		
HHC	47.1	6	eP	21 08 51.4	-0.3		
SNY	50.5	18	eP	21 09 18.0	-0.2		
WMQ	52.2	344	cP	21 09 29.5	-1.5		
CN2	52.9	18	+P	21 09 34.5	-1.5		
			eS	21 17 02.0	3.3		
			LE	Ms=5.1	14.0	0.70	
MDJ	55.0	21	cP	21 09 49.8	-1.6		

1986 3 20

O=23 46 43.7 ± 0.14s
 LAT=36.10 N ± 1.97km
 LONG= 71.51 E ± 1.84km
 DEPTH=193 km ± 0.91km
 STATIONS USED = 18, STAND DEV = 3.87s
 M_L=4.5 / 2,

KSH	4.9	45	P	23 47 55.8	-1.6		
			S	23 48 53.8	-0.1		
			SMN	M _L =4.6	0.5	0.70	
			SME		0.7	1.00	
WMQ	14.6	53	-P	23 50 01.5	-1.2		
			LE		1.5	0.030	
GTA	22.6	73	P	23 51 35.0	6.0		

1986 3 21
 O=05 39 22.8 ± 0.06s
 LAT=39.80 N ± 0.91km
 LONG= 69.14 E ± 0.91km
 DEPTH= 32 km ± 0.17km
 STATIONS USED = 15, STAND DEV = 1.60s

KSH	5.3	92	cPn	05 40 43.0	2.7		
WMQ	14.4	68	cP	05 42 46.5	-0.2		
GTA	23.6	81	P	05 44 33.5	1.5		
GYA	33.9	102	P	05 46 05.8	0.6		

1986 3 21

O=10 19 05.6 ± 0.10s
 LAT= 2.93 S ± 1.30km
 LONG=139.39 E ± 1.54km
 DEPTH= 60 km ± 0.58km
 STATIONS USED = 51, STAND DEV = 1.38s

NJ2	39.9	332	-P	10 26 37.0	1.5		
GYA	43.1	315	+P	10 27 03.0	1.2		
TIA	44.1	334	cP	10 27 10.0	-0.5		
DL2	44.7	340	cP	10 27 14.7	-0.5		
KMI	45.2	310	+P	10 27 20.0	1.0		
XAN	46.6	325	P	10 27 29.8	-0.6		
SNY	46.8	344	+P	10 27 31.0	-0.6		
TIY	47.5	331	cP	10 27 38.0	0.5		
			(S)	10 34 31.0	4.1		
BJI	47.8	336	cP	10 27 39.0	-0.2		
CD2	47.8	317	cP	10 27 40.3	0.8		
MDJ	48.1	351	+P	10 27 41.5	-0.6		
CN2	48.2	346	+P	10 27 41.5	-0.9		
			PMZ			3.0	0.30
			eS	10 34 38.0	2.2		
BTO	51.0	331	cP	10 28 04.0	0.1		
GTA	55.6	323	+P	10 28 38.1	-0.4		
LSA	56.4	309	cP	10 28 43.2	-0.9		
WMQ	65.6	321	+iP	10 29 45.7	-0.5		

1986 3 21

O=14 14 35.6 ± 0.04s
 LAT= 6.69 N ± 0.76km
 LONG=123.95 E ± 1.06km
 DEPTH= 65 km ± 0.83km
 STATIONS USED = 13, STAND DEV = 0.79s

KMI	27.3	314	+P	14 20 17.0	-0.1		
CD2	30.6	324	cP	14 20 45.8	-0.6		
BJI	33.9	349	(P)	14 21 14.0	-1.0		
MDJ	38.1	7	cP	14 21 50.2	0.0		
LSA	38.4	311	cP	14 21 53.5	0.1		
GTA	39.2	330	P	14 21 59.4	0.2		
WMQ	48.7	325	-P	14 23 17.0	0.8		

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	iS	21 52 45.3	1.8						S	24 18 33.4	4.4		
	SME	$m_B = 6.0$	4.0	1.30					LE	$M_s = 5.8$	16.0	2.13	
1986 3 21													
	O	23 56 17.8	$\pm 0.13s$						XAN	81.7 319	cP	24 08 36.2	-1.3
	LAT	54.37 N	$\pm 2.35km$								eS	24 18 42.0	-6.6
	LONG	121.81 W	$\pm 2.90km$								LN	$M_s = 6.1$	17.0 1.80
	DEPTH	19 km	$\pm 0.26km$								LE		16.0 3.94
	STATIONS USED	= 60,	STAND DEV = 1.99s						LZH	81.7 324	cP	24 08 32.5	-5.2
	$M_s = 5.9 / 17,$		$m_B = 5.6 / 4$								PMZ		1.5 0.14
MDJ	64.3 311	+P	24 06 55.7	0.9					KSH	85.3 346	cP	24 09 00.8	4.9
		pP	24 07 00.0	-1.8							eS	24 19 28.8	4.0
		S	24 15 30.0	0.9							csS	24 19 39.8	3.7
		LE	$M_s = 5.0$	40.0	1.35						LE	$M_s = 5.9$	13.0 2.20
CN2	66.7 313	eP	24 07 08.2	-2.3					CD2	86.4 322	cP	24 09 01.7	0.4
		ePP	24 09 40.0	1.8							eS	24 19 30.0	-5.4
		SMN	$m_B = 5.7$	7.5	0.60						LE	$M_s = 5.4$	20.0 0.92
		LN	$M_s = 5.5$	13.0	1.30				GYA	89.3 318	P	24 09 15.2	-0.2
SNY	69.1 313	-iP	24 07 25.0	-0.5							SKS	24 19 46.0	4.9
		S	24 16 32.0	4.3							S	24 20 08.0	7.1
		LN	$M_s = 5.7$	15.0	1.94						sS	24 20 13.0	-1.3
		LE		18.0	1.52				LSA	91.6 332	eP	24 09 25.9	-0.3
DL2	72.4 313	eP	24 07 45.0	-0.2					KMI	92.0 320	eP	24 09 28.5	0.4
		eS	24 17 04.0	-3.0							PMZ	$m_B = 5.7$	4.0 0.16
		LN	$M_s = 5.7$	16.0	1.27						LE	$M_s = 6.0$	18.0 3.40
		LE		16.0	1.92				1986 3 22				
BJI	73.7 317	eP	24 07 54.0	1.2					O	01 48 13.8	$\pm 0.12s$		
		eS	24 17 22.0	0.4					LAT	26.14 N	$\pm 1.18km$		
		SMN	$m_B = 5.5$	9.0	0.38				LONG	100.18 E	$\pm 1.10km$		
		SKS	24 17 56.0	3.2					DEPTH	19 km	$\pm 0.56km$		
		LN	$M_s = 5.6$	14.0	0.91				STATIONS USED	= 12,	STAND DEV = 3.43s		
		LE		16.0	1.32				$M_L = 3.9 / 4,$				
BTO	75.5 322	eP	24 08 02.9	-0.8					KMI	2.5 113	ePn	01 48 57.0	2.4
		pP	24 08 08.0	-2.4							Pg	01 49 04.0	5.5
		ePP	24 10 54.0	0.2							Sn	01 49 34.0	7.6
		eS	24 17 38.0	-4.6							SMN	$M_L = 4.0$	1.0 0.74
		eSKS	24 18 05.0	-1.3							SME		1.0 0.74
		LN	$M_s = 6.1$	15.0	2.50				CD2	5.7 33	ePn	01 49 40.6	2.6
		LE		15.0	3.20						Pg	01 49 57.4	3.0
TIA	76.5 315	eP	24 08 08.9	-0.6							Sn	01 50 45.6	0.6
		eS	24 17 55.0	1.2							Sg	01 51 09.9	-2.5
		LN	$M_s = 5.9$	14.0	1.48						SMN	$M_L = 3.9$	1.0 0.090
		LE		14.0	2.00						SME		1.2 0.13
TIY	77.1 319	(P)	24 08 12.7	-0.1					GYA	5.8 85	Pn	01 49 43.2	3.3
		LN	$M_s = 6.0$	16.0	1.75						Pg	01 50 01.4	4.7
		LE		17.0	3.64						Sg	01 51 13.0	-3.4
NJ2	79.4 311	-P	24 08 24.0	-0.9							SMN	$M_L = 3.9$	1.6 0.090
		S	24 18 20.0	-2.3							SME		1.6 0.080
		LN	$M_s = 5.9$	12.0	2.20				XAN	10.9 42	eP	01 50 48.3	-4.2
GTA	80.0 328	P	24 08 28.0	-0.6					1986 3 22				



O = 03 33 43.4 ± 0.13s
 LAT = 26.40 N ± 1.59km
 LONG = 99.99 E ± 1.23km
 DEPTH = 12 km ± 0.47km
 STATIONS USED = 8, STAND DEV = 4.90s
 M_L = 3.9 / 3,

KMI	2.8	117	ePn	03 34 30.0	1.5		
			Sn	03 35 02.0	-1.7		
			SMN	M _L = 3.9	1.0	0.30	
			SME		1.0	0.91	
CD2	5.6	36	Pn	03 35 09.4	2.8		
			Pg	03 35 23.0	1.2		
GYA	6.0	88	Pn	03 35 17.6	5.3		
			Pg	03 35 31.6	2.7		
			Sg	03 36 42.0	-8.7		
XAN	10.8	43	P	03 36 16.4	-5.3		

1986 3 22
 O = 04 45 32.3 ± 0.09s
 LAT = 23.49 N ± 1.37km
 LONG = 121.61 E ± 1.35km
 DEPTH = 43 km ± 0.58km
 STATIONS USED = 100, STAND DEV = 1.79s
 M_s = 5.9 / 40, m_B = 6.1 / 18

QZH	3.1	298	iP	04 46 19.6	-0.6		
			S	04 46 55.0	-0.6		
			LN	M _s = 5.2	4.0	29.9	
GZH	7.6	269	+P	04 47 22.5	-0.9		
			iS	04 48 41.0	-7.5		
			LN	M _s = 5.5	18.0	54.3	
			LE		20.0	41.7	
NJ2	8.9	345	+P	04 47 39.0	-1.9		
			S	04 49 21.0	1.2		
			LE	M _s = 6.5	7.0	202	
WHN	9.5	319	eP	04 47 48.0	-2.3		
			PMZ		0.5	0.69	
			S	04 49 40.0	3.5		
			SMN	m _B = 5.6	9.0	6.42	
			LE	M _s = 5.4	18.0	35.0	
QZN	11.8	250	P	04 48 22.0	0.6		
			S	04 50 36.0	3.9		
			SS	04 50 55.0	8.1		
			LG ₁	04 51 40.0	-3.8		
			LG ₂	04 52 11.0	8.4		
			LN	M _s = 5.7	16.0	38.0	
			LE		15.0	20.8	
TIA	13.3	344	eP	04 48 40.2	-0.3		
			PMZ	m _B = 6.3	6.0	3.31	
			S	04 51 14.0	7.5		
			LN	M _s = 5.7	13.0	11.0	

			LE			13.0	23.8
GYA	13.9	285	-P	04 48 48.0	-0.6		
			PP	04 48 57.0	-2.6		
			S	04 51 22.0	0.9		
			LN	M _s = 6.2	8.0	42.7	
			LE		8.0	19.8	
XAN	15.3	316	-iP	04 49 07.2	0.2		
			PP	04 49 26.0	7.0		
			eS	04 51 56.0	0.9		
			SS	04 52 13.0	0.3		
			LN	M _s = 6.1	8.0	28.9	
			LE		8.0	24.1	
DL2	15.4	0	-P	04 49 09.0	1.0		
			PMZ	m _B = 5.6	4.0	1.10	
			pP	04 49 19.0	2.6		
			sP	04 49 26.5	4.4		
			eS	04 52 04.0	7.1		
			LG ₂	04 53 56.0	-3.4		
			LN	M _s = 5.6	13.0	18.8	
TIY	16.2	333	-iP	04 49 21.5	2.6		
			PMZ	m _B = 6.3	5.0	6.57	
			sP	04 49 34.5	1.5		
			PP	04 49 36.5	4.7		
			PPMZ		4.0	8.00	
			LN	M _s = 6.1	9.0	19.0	
			LE		9.0	27.5	
BJI	17.1	346	eP	04 49 32.5	2.2		
			ePP	04 49 44.0	-0.5		
			eS	04 52 44.0	6.5		
			SME	m _B = 5.6	10.0	2.65	
			LN	M _s = 5.6	12.0	13.1	
KMI	17.3	279	-P	04 49 32.0	-0.4		
			PMZ	m _B = 5.3	6.0	0.96	
			PP	04 49 46.0	-0.4		
			S	04 52 46.0	5.7		
			LE	M _s = 6.0	10.0	25.4	
CD2	17.5	299	-iP	04 49 34.5	-0.5		
			PMZ	m _B = 6.0	6.0	4.44	
			PP	04 49 50.5	1.4		
			S	04 52 50.0	4.6		
			LE	M _s = 5.3	13.0	7.16	
SNY	18.4	5	+iP	04 49 46.6	1.0		
			PMZ	m _B = 5.6	6.0	1.76	
			pP	04 49 57.0	2.5		
			PP	04 50 03.0	2.4		
			S	04 53 11.0	6.2		
			sS	04 53 25.0	5.0		
			LN	M _s = 5.7	12.0	12.9	
			LE		8.0	5.58	
BTO	19.7	333	-iP	04 50 01.5	0.9		

LONG = 122.94 E ± 2.27km				Ms = 5.2			
DEPTH = 32 km ± 0.70km				Ms = 5.4			
STATIONS USED = 57, STAND DEV = 2.22s				Ms = 5.4 / 26, m _B = 5.4 / 4			
QZH	4.0	274	ePn	08 19 01.8	2.0		
NJ2	8.1	335	eP	08 19 54.5	-5.2		
			eS	08 21 26.0	-5.4		
			LN			Ms = 5.2	12.0 20.3
GZH	8.9	261	eP	08 20 13.0	2.2		
			S	08 21 53.5	2.3		
			LN			Ms = 5.4	10.0 7.77
			LE				9.0 19.1
WHN	9.6	309	eP	08 20 20.0	0.5		
			eS	08 22 06.5	-0.7		
			LG ₁	08 23 03.0	1.5		
			LG ₂	08 23 22.0	5.4		
			LN			Ms = 5.6	13.0 36.0
			LE				13.0 23.4
TIA	12.5	338	eP	08 21 04.4	5.0		
			LN			Ms = 5.2	12.0 2.96
			LE				10.0 6.86
QZN	13.4	248	eP	08 21 11.0	-0.7		
			S	08 23 39.0	-1.3		
			LN			Ms = 5.1	10.0 2.50
			LE				10.0 4.10
DL2	14.2	356	eP	08 21 21.0	-0.7		
			eS	08 23 56.0	-3.0		
			LN			Ms = 5.3	12.0 6.63
			LE				12.0 5.41
GYA	14.8	280	eP	08 21 34.0	4.1		
			S	08 24 18.0	5.1		
			LN			Ms = 5.5	11.0 10.1
			LE				11.0 5.70
XAN	15.3	310	eP	08 21 34.6	-2.2		
			PP	08 21 46.6	-2.3		
			eS	08 24 23.0	-3.3		
			LN			Ms = 5.7	13.0 19.4
			LE				12.0 10.4
TIY	15.7	328	eP	08 21 45.3	3.2		
			LG ₂	08 26 40.5	0.2		
			LN			Ms = 5.6	9.5 2.63
			LE				10.5 12.1
BJI	16.3	341	eP	08 21 49.0	-0.1		
SNY	17.1	2	eP	08 21 58.6	-0.2		
			LN			Ms = 5.2	11.0 4.63
			LE				12.0 1.86
CD2	18.0	294	eP	08 22 08.2	-2.9		
			LE			Ms = 5.8	8.0 12.3
KMI	18.3	275	+P	08 22 15.0	0.2		
HHC	18.7	332	P	08 22 20.0	1.0		
			LN				
			LE				
CN2	19.1	6	eP	08 22 22.5	-1.8		
			eS	08 25 45.0	-8.2		
BTO	19.2	329	eP	08 22 25.0	0.2		
			S	08 25 55.0	1.8		
			LN			Ms = 5.4	17.0 7.00
			LE				17.0 8.40
LZH	19.9	309	eP	08 22 33.0	-0.5		
			PMZ				1.5 0.23
			pP	08 22 38.0	-3.5		
			eS	08 26 09.5	-2.0		
			SMN			m _B = 5.5	10.0 2.07
			LN			Ms = 5.5	12.0 7.99
MDJ	20.6	14	eP	08 22 38.8	-0.9		
			S	08 26 25.0	2.4		
			LE			Ms = 5.6	14.0 12.6
GTA	24.4	312	P	08 23 18.0	0.4		
			sS	08 27 43.5	-3.2		
			LN			Ms = 5.6	12.5 8.05
WMQ	34.5	312	P	08 24 47.0	-1.2		
			sS	08 30 24.0	-4.6		
			LN			Ms = 5.6	15.0 5.37
1986 3 22							
				O = 08 32 54.1 ± 0.13s			
				LAT = 24.84 N ± 1.85km			
				LONG = 123.00 E ± 2.12km			
				DEPTH = 35 km ± 0.56km			
				STATIONS USED = 45, STAND DEV = 2.47s			
				Ms = 5.4 / 18,			
QZH	4.0	272	eP	08 33 51.8	-2.9		
			S	08 34 44.0	3.1		
GZH	9.0	261	e(P)	08 35 10.0	5.2		
			S	08 36 55.0	9.2		
			LN			Ms = 5.4	8.0 4.88
			LE				10.0 17.6
WHN	9.5	308	P	08 35 08.5	-3.7		
			(S)	08 36 52.5	-6.8		
			LG ₁	08 37 48.0	-5.6		
			LG ₂	08 38 06.5	-2.3		
			LN			Ms = 5.5	13.0 27.4
			LE				11.0 15.6
TIA	12.4	337	eP	08 35 47.0	-4.3		
			LN			Ms = 5.2	11.0 2.89
			LE				11.0 7.20
QZN	13.5	247	e(P)	08 36 12.3	6.4		
			eS	08 38 41.0	5.2		
			LN			Ms = 5.0	11.0 2.30
			LE				9.5 3.70

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DL2	14.1	356	eP	08 36 16.0	2.7		
			eS	08 38 51.0	1.8		
			LN	Ms=5.4	10.0	6.67	
			LE		10.0	6.70	
GYA	14.8	280	P	08 36 27.2	3.9		
			S	08 39 11.8	5.3		
XAN	15.3	310	eP	08 36 26.5	-2.9		
			LN	Ms=5.6	12.0	13.7	
			LE		12.0	9.70	
TIY	15.7	327	eP	08 36 39.0	4.7		
			PP	08 36 56.0	9.3		
			LG ₂	08 41 23.5	-7.7		
			LN	Ms=5.4	10.0	2.43	
			LE		10.0	8.86	
BJI	16.2	341	eP	08 36 41.0	0.1		
SNY	16.9	1	eP	08 36 51.0	0.7		
			SS	08 40 12.0	-4.7		
			LN	Ms=5.2	15.0	5.87	
			LE		15.0	4.71	
CD2	18.0	294	eP	08 37 03.2	-0.9		
			S	08 40 20.0	-0.7		
			LE	Ms=5.8	8.0	12.3	
HHC	18.6	332	+P	08 37 12.5	1.5		
			LN	Ms=5.1	11.0	2.90	
			LE		11.0	2.44	
CN2	19.0	5	eP	08 37 16.2	0.2		
			eS	08 40 36.0	-7.3		
BTO	19.1	328	P	08 37 16.2	-0.8		
MDJ	20.4	14	+P	08 37 33.0	1.6		
			eS	08 41 12.0	-1.9		
			LN	Ms=5.7	14.0	14.7	
GTA	24.3	312	P	08 38 09.0	-1.2		
			LN	Ms=5.3	17.0	5.49	
WMQ	34.4	312	eP	08 39 39.0	-1.8		
			LN	Ms=5.4	16.0	3.57	

1986 3 22

O=08 38 18.5 ± 0.08s

LAT=24.79 N ± 1.19km

LONG=122.91 E ± 1.14km

DEPTH=33 km ± 0.33km

STATIONS USED = 15, STAND DEV = 1.69s

QZH	3.9	273	eP	08 39 17.0	-1.0		
CN2	19.1	6	eP	08 42 41.0	-0.3		
MDJ	20.5	14	eP	08 42 57.0	0.2		
GTA	24.3	312	P	08 43 36.4	1.8		
WMQ	34.4	312	P	08 45 05.8	0.6		

1986 3 22

O=08 47 43.9 ± 0.17s

				LAT=24.58 N	± 2.62km		
				LONG=122.82 E	± 2.12km		
				DEPTH=43 km	± 1.32km		
				STATIONS USED = 35,	STAND DEV = 2.91s		
				Ms=5.3/10,			
QZH	3.9	276	eP	08 48 40.5	-2.0		
			S	08 49 35.5	9.2		
			LN	Ms=4.7	8.0	12.5	
WHN	9.6	310	eP	08 50 09.0	6.7		
			LN	Ms=5.3	12.0	17.5	
DL2	14.3	356	eP	08 51 10.0	4.0		
			LN	Ms=5.0	13.0	3.84	
			LE		13.0	3.26	
GYA	14.7	281	P	08 51 13.4	2.2		
XAN	15.3	311	eP	08 51 15.2	-4.2		
			LG ₂	08 56 01.0	-9.2		
			LN	Ms=5.4	13.0	10.9	
			LE		14.0	6.70	
TIY	15.8	328	eP	08 51 29.2	3.8		
			LG ₂	08 56 22.0	-3.6		
			LN	Ms=5.3	10.0	1.46	
			LE		10.0	5.85	
BJI	16.4	342	eP	08 51 33.0	0.2		
SNY	17.2	2	eP	08 51 46.6	3.6		
			LN	Ms=4.9	16.0	2.76	
			LE		16.0	1.97	
HHC	18.8	333	P	08 52 09.1	6.9		
BTO	19.2	329	P	08 52 09.0	1.3		
CN2	19.3	6	P	08 52 05.2	-3.0		
LZH	20.0	309	eP	08 52 15.5	-0.2		
			PMZ			1.5	0.12
MDJ	20.7	14	eP	08 52 22.1	-1.5		
			S	08 56 08.0	1.0		
			LN	Ms=5.1	12.0	3.33	
GTA	24.4	313	P	08 52 58.6	-1.2		
			LN	Ms=5.3	12.0	4.06	
WMQ	34.5	313	eP	08 54 28.7	-1.6		

1986 3 22

O=08 54 14.8 ± 0.12s

LAT=24.75 N ± 1.50km

LONG=122.92 E ± 1.80km

DEPTH=33 km ± 0.29km

STATIONS USED = 53, STAND DEV = 2.17s

Ms=5.5/19,

QZH	3.9	274	P	08 55 15.0	0.5		
			iS	08 56 08.0	7.8		
			LN	Ms=4.5	19.0	2.63	
			LE		19.0	17.4	
GZH	8.9	261	eP	08 56 26.0	1.6		

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GTA	24.3	312	P	09 09 22.4	-1.2		
			LN	Ms=5.4	16.0	6.61	
WMQ	34.4	312	eP	09 10 53.0	-1.1		

1986 3 22
 O=09 16 18.7 ± 0.11s
 LAT=24.78 N ± 1.32km
 LONG=122.87 E ± 1.43km
 DEPTH= 62 km ± 1.04km
 STATIONS USED = 16, STAND DEV = 2.57s
 Ms=5.0/ 4,

QZH	3.9	273	eP	09 17 22.0	4.3		
			LN	Ms=4.8	8.0	16.5	
WHN	9.5	309	eP	09 18 36.0	0.8		
			LG ₂	09 21 28.0	-3.6		
			LN	Ms=5.4	12.0	21.2	
GTA	24.3	312	P	09 21 32.0	0.3		
			LN	Ms=5.2	15.0	3.97	
WMQ	34.4	312	P	09 23 02.3	0.1		

1986 3 22
 O=09 20 34.0 ± 0.14s
 LAT=24.80 N ± 1.79km
 LONG=122.78 E ± 1.92km
 DEPTH= 65 km ± 1.00km
 STATIONS USED = 34, STAND DEV = 2.70s
 Ms=5.2/ 5,

QZH	3.8	273	eP	09 21 25.5	-6.3		
			eS	09 22 18.0	2.5		
			LN	Ms=4.6	10.0	14.3	
GYA	14.6	280	P	09 24 06.0	6.8		
TIY	15.6	328	eP	09 24 16.7	5.1		
			LG ₂	09 29 01.0	-7.7		
			LN	Ms=5.5	11.0	5.20	
			LE		12.0	11.5	
BJI	16.2	342	P	09 24 20.0	1.3		
SNY	17.0	2	eP	09 24 26.0	-2.9		
HHC	18.5	332	+P	09 24 48.2	0.2		
BTO	19.0	329	eP	09 24 55.6	1.9		
CN2	19.1	6	eP	09 24 51.8	-2.3		
LZH	19.8	309	eP	09 25 02.2	0.2		
MDJ	20.5	14	eP	09 25 08.6	-0.9		
GTA	24.2	313	P	09 25 46.0	0.0		
			LN	Ms=5.3	18.0	5.12	

1986 3 22
 O=09 22 02.6 ± 0.10s
 LAT=24.79 N ± 1.45km
 LONG=122.90 E ± 1.73km
 DEPTH= 49 km ± 0.53km

STATIONS USED = 43, STAND DEV = 1.98s
 Ms=5.6/ 15,

QZH	3.9	273	eP	09 23 03.0	1.0		
			LN	Ms=5.1	10.0	34.2	
			LE		10.0	18.1	
WHN	9.5	309	P	09 24 18.0	-1.7		
			LG ₂	09 27 18.0	2.0		
			LN	Ms=5.6	12.0	39.5	
DL2	14.1	356	eP	09 25 19.5	-2.2		
			eS	09 27 54.0	-2.9		
			LN	Ms=5.6	10.0	12.1	
			LE		10.0	11.7	
XAN	15.3	310	eP	09 25 35.5	-1.2		
			LN	Ms=5.8	13.0	25.7	
			LE		12.0	13.5	
BJI	16.2	341	eP	09 25 46.5	-2.4		
SNY	17.0	2	eP	09 26 04.2	5.5		
			LN	Ms=5.4	10.5	4.20	
			LE		10.5	5.45	
HHC	18.6	332	+P	09 26 20.0	1.4		
CN2	19.1	6	eP	09 26 23.6	-0.4		
			LN	Ms=5.7	13.0	14.6	
BTO	19.1	329	eP	09 26 21.4	-3.0		
LZH	19.9	309	eP	09 26 34.5	1.5		
			PMZ		1.5	0.42	
			LN	Ms=5.6	9.0	4.80	
			LE		11.0	6.41	
MDJ	20.5	14	+P	09 26 39.2	-0.2		
			S	09 30 18.0	-2.3		
GTA	24.3	312	P	09 27 17.7	0.6		
			LN	Ms=5.7	12.0	8.50	
LSA	28.6	287	eP	09 27 54.6	-2.6		
WMQ	34.4	312	eP	09 28 48.2	0.6		
			eS	09 34 14.0	3.1		
			LN	Ms=5.7	16.0	6.74	
KSH	41.9	302	eP	09 29 54.0	3.7		

1986 3 22
 O=09 33 18.9 ± 0.14s
 LAT=24.73 N ± 2.55km
 LONG=122.86 E ± 2.52km
 DEPTH= 30 km ± 0.85km
 STATIONS USED = 42, STAND DEV = 2.72s
 Ms=5.0/ 7,

QZH	3.9	274	ePn	09 34 11.4	-5.6		
			Sn	09 35 01.9	-1.4		
			LE	Ms=4.6	8.5	12.3	
WHN	9.5	309	P	09 35 37.0	0.1		
			LG ₁	09 38 15.0	-2.6		
			LN	Ms=5.2	11.0	13.6	

QZN	13.3	247	cP	09 36 36.4	7.4		
			LN	Ms=5.0	12.0	5.40	
XAN	15.3	311	cP	09 36 51.5	-2.8		
			LN	Ms=5.3	12.0	7.50	
			LE		12.0	4.00	
TIY	15.7	328	cP	09 37 05.2	5.4		
			LG ₂	09 41 48.5	-8.4		
			LE	Ms=5.1	10.0	4.52	
BJI	16.3	341	cP	09 37 07.0	0.0		
SNY	17.1	2	cP	09 37 21.4	4.4		
HHC	18.6	332	cP	09 37 37.5	0.7		
BTO	19.1	329	cP	09 37 43.8	1.2		
CN2	19.1	6	cP	09 37 41.0	-1.6		
LZH	19.9	309	cP	09 37 50.8	-0.3		
			PMZ		1.2	0.15	
MDJ	20.6	14	-iP	09 38 01.8	3.6		
GTA	24.3	313	P	09 38 35.6	0.2		
			LN	Ms=5.0	15.0	2.34	
LSA	28.6	287	cP	09 39 14.0	-1.3		
WMQ	34.4	312	P	09 40 03.5	-2.5		
KSH	41.9	302	cP	09 41 14.0	5.3		

1986 3 22

O=09 41 26.7 ± 0.09s
 LAT=24.90 N ± 1.19km
 LONG=122.76 E ± 1.57km
 DEPTH= 29 km ± 0.35km
 STATIONS USED = 16, STAND DEV= 2.28s
 Ms=5.1/ 2,

QZH	3.8	271	cPn	09 42 23.5	-0.1		
			Sn	09 43 09.6	0.7		
CN2	19.0	6	cP	09 45 47.0	-1.8		
LZH	19.7	309	cP	09 45 55.8	-1.3		
			PMZ		1.5	0.20	
MDJ	20.4	14	cP	09 46 04.0	-0.6		
GTA	24.1	312	P	09 46 43.2	1.6		
			LN	Ms=5.4	12.0	4.85	
WMQ	34.2	312	P	09 48 13.3	0.9		

1986 3 22

O=09 43 14.4 ± 0.14s
 LAT=24.81 N ± 1.98km
 LONG=122.82 E ± 2.40km
 DEPTH= 31 km ± 0.60km
 STATIONS USED = 23, STAND DEV= 2.77s
 Ms=5.4/ 2,

QZH	3.8	273	cPn	09 44 07.0	-4.8		
			Sn	09 44 54.5	-3.0		
XAN	15.2	310	cP	09 46 49.0	0.4		
			pP	09 46 55.7	0.2		

BJI	16.2	341	cP	09 47 07.0	5.8		
SNY	17.0	2	cP	09 47 15.4	4.0		
			LN	Ms=5.4	16.0	9.05	
			LE		16.0	5.46	
BTO	19.0	329	cP	09 47 42.0	5.0		
			LN	Ms=5.5	10.0	4.90	
			LE		10.0	4.90	
CN2	19.1	6	cP	09 47 35.4	-1.7		
LZH	19.8	309	cP	09 47 45.5	-0.1		
			PMZ		1.5	0.18	
MDJ	20.5	14	cP	09 47 51.0	-1.8		
GTA	24.2	312	P	09 48 30.8	0.9		

1986 3 22

O=09 48 03.0 ± 0.12s
 LAT=24.87 N ± 1.80km
 LONG=122.91 E ± 1.94km
 DEPTH= 14 km ± 0.41km
 STATIONS USED = 51, STAND DEV= 2.15s
 Ms=5.5/ 14, M_L=4.5/ 2,

QZH	3.9	272	cPn	09 49 04.0	0.8		
			Sn	09 49 49.6	-1.5		
			LN	Ms=5.2	7.0	30.7	
			LE		7.0	22.4	
WHN	9.5	309	cP	09 50 20.0	-2.1		
			LG ₁	09 52 55.0	-5.0		
			LN	Ms=5.6	11.0	30.0	
GYA	14.7	280	P	09 51 28.0	-5.4		
			S	09 54 08.4	-8.4		
			LN	Ms=5.5	12.0	10.2	
			LE		12.0	11.3	
XAN	15.2	310	cP	09 51 38.6	-0.9		
			pP	09 51 45.5	1.1		
			cLG ₂	09 56 23.0	-2.0		
			LN	Ms=5.8	12.0	21.0	
			LE		13.0	14.8	
TIY	15.6	328	cP	09 51 43.0	-1.6		
			LN	Ms=5.6	9.5	6.56	
			LE		10.5	12.8	
BJI	16.1	341	cP	09 51 52.5	1.0		
KMI	18.3	275	+P	09 52 24.0	5.4		
CN2	19.0	6	+P	09 52 26.8	-0.3		
LZH	19.8	309	cP	09 52 34.0	-2.8		
			PMZ		1.4	0.29	
MDJ	20.4	14	cP	09 52 43.0	0.0		
			S	09 56 22.0	-4.0		
			LE	Ms=5.8	14.0	16.8	
GTA	24.3	312	P	09 53 21.6	0.4		
			LN	Ms=5.5	16.0	8.23	
LSA	28.6	287	cP	09 54 00.3	-1.4		

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Ms = 5.3 / 4,

QZH	4.0	274	eP	10 55 57.7	-3.1		
			S	10 56 47.0	2.0		
			LN			Ms = 4.9	9.0 18.1
			LE				8.0 9.56
XAN	15.3	310	eP	10 58 33.0	-2.4		
TIY	15.7	328	eP	10 58 44.4	3.6		
BJI	16.3	341	eP	10 58 45.0	-2.6		
SNY	17.1	2	eP	10 58 57.7	0.4		
HHC	18.7	332	P	10 59 20.0	2.8		
			LN			Ms = 5.3	11.0 2.42
			LE				11.0 4.22
CN2	19.1	6	eP	10 59 21.0	-1.4		
LZH	19.9	309	eP	10 59 31.5	0.1		
			PMZ				1.5 0.20
MDJ	20.6	14	eP	10 59 38.0	0.3		
GTA	24.4	312	P	11 00 15.5	0.2		
			LN			Ms = 5.4	14.0 5.29
WMQ	34.4	312	eP	11 01 44.0	-1.7		
KSH	41.9	302	eP	11 02 53.0	4.6		

1986 3 22
O = 11 01 19.2 ± 0.18s
LAT = 24.62 N ± 3.43km
LONG = 122.41 E ± 3.05km
DEPTH = 35 km ± 2.39km
STATIONS USED = 17, STAND DEV = 3.51s

Ms = 4.9 / 2,

QZH	3.5	276	eP	11 02 07.4	-5.1		
			S	11 02 55.1	2.3		
			LN			Ms = 4.7	8.0 15.6
SNY	17.2	3	eP	11 05 24.6	6.2		
CN2	19.3	7	eP	11 05 42.0	-2.1		
MDJ	20.8	15	eP	11 05 58.0	-2.1		
LSA	28.2	287	eP	11 07 14.9	3.1		
KSH	41.6	302	eP	11 09 03.5	-2.5		

1986 3 22
O = 11 05 48.1 ± 0.12s
LAT = 24.60 N ± 2.74km
LONG = 122.80 E ± 2.56km
DEPTH = 35 km ± 1.26km
STATIONS USED = 24, STAND DEV = 2.97s

Ms = 5.1 / 3,

QZH	3.8	276	eP	11 06 40.5	-5.9		
			eS	11 07 30.5	-0.3		
			LN			Ms = 4.6	8.0 11.0
XAN	15.3	311	eP	11 09 20.0	-3.6		
			LN			Ms = 5.6	10.0 6.30
			LE				9.0 11.8

TIY	15.8	328	eP	11 09 38.0	8.3		
			LG ₂	11 14 31.0	2.2		
SNY	17.2	2	eP	11 09 50.4	3.0		
CN2	19.3	6	eP	11 10 12.0	-0.8		
LZH	19.9	309	eP	11 10 20.0	-0.2		
			PMZ				1.4 0.17
MDJ	20.7	14	eP	11 10 28.0	-0.3		
WMQ	34.4	313	P	11 12 36.0	1.0		

1986 3 22
O = 11 14 58.8 ± 0.09s
LAT = 24.70 N ± 1.40km
LONG = 122.87 E ± 1.73km
DEPTH = 32 km ± 0.31km
STATIONS USED = 26, STAND DEV = 2.02s

Ms = 5.2 / 3,

QZH	3.9	274	ePn	11 15 57.7	0.9		
			eSn	11 16 52.0	9.1		
			LN			Ms = 4.9	8.0 21.5
XAN	15.3	311	eP	11 18 35.0	0.8		
			pP	11 18 40.5	-0.8		
			LG ₂	11 23 20.0	-3.4		
			LN			Ms = 5.6	12.0 14.0
			LE				11.0 7.90
BJI	16.3	341	eP	11 18 51.5	4.6		
SNY	17.1	2	eP	11 19 01.0	4.0		
KMI	18.3	276	eP	11 19 14.0	2.1		
CN2	19.2	6	eP	11 19 22.4	-0.1		
LZH	19.9	309	eP	11 19 31.5	0.6		
			PMZ				1.2 0.11
MDJ	20.6	14	eP	11 19 38.0	0.0		
LSA	28.6	287	+P	11 20 54.4	-0.5		
WMQ	34.4	312	P	11 21 41.5	-4.3		

1986 3 22
O = 11 19 35.9 ± 0.11s
LAT = 24.71 N ± 1.66km
LONG = 122.76 E ± 2.05km
DEPTH = 32 km ± 0.34km
STATIONS USED = 56, STAND DEV = 2.27s

Ms = 5.9 / 18,

QZH	3.8	274	ePn	11 20 28.8	-3.8		
			Sn	11 21 23.2	5.5		
			LN			Ms = 5.1	8.0 32.0
QZN	13.3	247	eP	11 22 41.5	-3.1		
			S	11 25 15.0	3.5		
			LN			Ms = 5.4	12.0 8.50
			LE				12.0 9.30
DL2	14.2	356	eP	11 23 03.0	6.2		
			LN			Ms = 5.9	11.0 32.0

			LE		10.0	11.7
XAN	15.2	311	eP	11 23 09.0	-1.3	
			pP	11 23 16.5	-0.9	
			LG ₂	11 27 52.0	-5.9	
			LN	Ms=6.0	13.0	42.8
			LE		13.0	25.7
TIY	15.7	328	P	11 23 20.0	3.8	
			PMZ		1.1	0.11
			pP	11 23 28.5	5.2	
			LG ₂	11 28 07.5	-5.3	
			LN	Ms=5.9	11.0	24.2
			LE		11.0	19.6
BJI	16.3	342	eP	11 23 23.5	-0.1	
SNY	17.1	2	eP	11 23 33.2	-0.9	
			LN	Ms=5.9	16.0	25.2
			LE		14.0	17.5
HHC	18.6	333	eP	11 23 55.0	1.8	
			LN	Ms=6.0	12.0	19.0
			LE		10.0	15.6
BTO	19.1	329	eP	11 24 00.0	0.9	
			S	11 27 36.0	9.4	
			LN	Ms=6.1	12.0	25.5
			LE		11.0	20.0
CN2	19.2	6	eP	11 23 58.5	-1.2	
			eS	11 27 29.0	0.1	
			LN	Ms=6.0	13.0	28.6
MDJ	20.6	14	eP	11 24 13.5	-1.9	
			S	11 27 56.0	-2.7	
			LN	Ms=5.6	12.0	9.43
GTA	24.3	313	P	11 24 54.0	2.4	
			LN	Ms=5.9	12.0	16.5
LSA	28.5	287	-P	11 25 30.8	-0.5	
WMQ	34.3	313	eP	11 26 22.0	-0.3	
			eS	11 31 49.0	1.9	
			LN	Ms=5.9	12.0	8.17
KSH	41.8	302	eP	11 27 28.9	4.0	

1986 3 22

O=11 27 39.1 ± 0.12s
 LAT=24.83 N ± 1.48km
 LONG=122.98 E ± 1.22km
 DEPTH= 51 km ± 1.13km
 STATIONS USED = 9, STAND DEV = 3.38s

QZH	4.0	272	eP	11 28 44.0	4.6
MDJ	20.5	14	eP	11 32 15.0	-0.2

1986 3 22

O=11 40 05.3 ± 0.08s
 LAT=24.71 N ± 1.29km
 LONG=122.90 E ± 0.92km

DEPTH= 57 km ± 1.36km
 STATIONS USED = 10, STAND DEV = 1.74s

QZH	3.9	274	eP	11 41 05.5	0.7
			S	11 41 54.0	5.4
XAN	15.3	311	eP	11 43 37.0	-2.7
SNY	17.1	2	eP	11 44 04.2	2.3
MDJ	20.6	14	eP	11 44 41.0	-1.3
GTA	24.4	313	P	11 45 20.6	1.1
WMQ	34.4	312	P	11 46 50.5	0.5

1986 3 22

O=11 49 32.0 ± 0.10s
 LAT=24.84 N ± 1.90km
 LONG=122.88 E ± 1.84km
 DEPTH= 36 km ± 0.36km
 STATIONS USED = 28, STAND DEV = 3.45s
 Ms=5.0 / 4,

QZH	3.9	272	eP	11 50 36.0	4.9
			S	11 51 23.0	7.1
			LN	Ms=4.6	8.0 11.7
XAN	15.2	310	eP	11 53 06.8	0.6
TIY	15.6	328	eP	11 53 20.8	9.4
			LE	Ms=5.1	11.0 4.83
BJI	16.2	341	eP	11 53 27.5	9.2
SNY	16.9	2	eP	11 53 33.8	5.6
			LN	Ms=5.1	16.0 5.29
			LE		14.0 3.04
CN2	19.0	6	eP	11 53 55.0	1.1
MDJ	20.5	14	eP	11 54 09.4	-0.1
GTA	24.3	312	P	11 54 46.7	-0.5
WMQ	34.3	312	P	11 56 17.5	-0.4

1986, 3 22

O=11 56 12.2 ± 0.20s
 LAT=24.81 N ± 2.99km
 LONG=122.89 E ± 3.70km
 DEPTH= 31 km ± 1.01km
 STATIONS USED = 19, STAND DEV = 3.83s
 Ms=5.3 / 7,

QZH	3.9	273	ePn	11 57 09.5	-0.9
			Sn	11 57 55.0	-1.8
			LN	Ms=4.8	12.0 20.3
			LE		12.0 14.8
TIY	15.6	328	eP	12 00 01.3	8.9
			LE	Ms=5.3	10.0 6.59
SNY	17.0	2	eP	12 00 15.8	6.6
			LN	Ms=5.3	16.0 8.28
CN2	19.1	6	eP	12 00 35.6	0.6
MDJ	20.5	14	eP	12 00 50.5	0.0
GTA	24.3	312	P	12 01 27.8	-0.4

Ms = 5.3					Ms = 5.8							
18.0 5.33					14.0 25.6							
LSA	28.6	287	P	12 02 07.6	-0.8	SNY	17.1	2	+iP	12 10 31.4	0.7	
WMQ	34.4	312	P	12 02 58.0	-0.9				S	12 13 42.0	4.0	
			S	12 08 20.0	-2.9				sS	12 13 54.0	3.9	
			LN						LN		Ms = 5.9	14.0 25.6
									LE			14.0 19.5
1986 3 22					1986 3 22							
O = 12 06 32.4 ± 0.15s					O = 12 16 33.8 ± 0.18s							
LAT = 24.70 N ± 1.79km					LAT = 24.85 N ± 2.82km							
LONG = 122.96 E ± 1.90km					LONG = 122.97 E ± 3.80km							
DEPTH = 32 km					DEPTH = 16 km							
STATIONS USED = 75, STAND DEV = 2.41s					STATIONS USED = 12, STAND DEV = 4.20s							
Ms = 6.2 / 31, M _L = 5.0 / 4, m _B = 6.6 / 7												
QZH	4.0	274	ePn	12 07 27.0	-4.6	CD2	18.1	294	eP	12 10 41.6	-1.4	
			Sn	12 08 22.5	3.7				LE		Ms = 6.2	9.0 41.1
			LN			KMI	18.3	276	+P	12 10 47.5	0.9	
			LE			HHC	18.7	332	+P	12 10 52.0	1.0	
NJ2	8.2	335	+P	12 08 36.0	4.3				S	12 14 22.0	7.4	
			S	12 10 11.0	7.3				LN		Ms = 6.2	13.0 26.6
			LE						LE			10.0 30.8
						CN2	19.2	6	-P	12 10 56.0	-0.3	
GZH	8.9	262	+P	12 08 44.6	2.1				sP	12 11 04.4	-3.8	
			S	12 10 25.8	2.8				eS	12 14 33.0	7.6	
			LN						SMN		m _B = 6.6	9.0 21.6
			LE						LN		Ms = 5.9	11.0 18.9
WHN	9.6	309	eP	12 08 54.5	3.0	BTO	19.2	329	P	12 10 57.2	0.4	
			pP	12 08 56.5	-1.8				pP	12 11 02.0	-2.1	
			LG ₁	12 11 43.0	9.1				iS	12 14 29.0	2.5	
			LN						SMN		m _B = 6.4	8.0 9.60
			LE						SME			8.0 7.30
						MDJ	20.6	14	-iP	12 11 11.4	-0.2	
QZN	13.4	248	eP	12 09 42.4	-0.9				LE		Ms = 6.2	13.0 40.1
			S	12 12 12.0	0.1	GTA	24.4	313	P	12 11 48.6	-0.9	
			LN						S	12 16 07.0	3.2	
			LE						LN		Ms = 6.3	12.0 34.2
DL2	14.2	356	P	12 09 53.0	-0.7	LSA	28.7	287	eP	12 12 26.8	-2.6	
			eS	12 12 30.0	-1.3	WMQ	34.5	312	eP	12 13 17.0	-3.1	
			LN						pP	12 13 24.0	-5.0	
			LE						S	12 18 35.0	-9.8	
GYA	14.8	280	P	12 10 03.2	1.5				LN		Ms = 6.2	14.0 20.1
			S	12 12 45.0	0.0	KSH	42.0	302	eP	12 14 27.9	5.1	
			LN						LN		Ms = 6.4	13.0 22.1
			LE									
XAN	15.4	311	eP	12 10 08.5	-0.3	1986 3 22						
			pP	12 10 13.0	-2.8	O = 12 16 33.8 ± 0.18s						
			LG ₂	12 14 56.0	-3.2	LAT = 24.85 N ± 2.82km						
			LN			LONG = 122.97 E ± 3.80km						
			LE			DEPTH = 16 km						
						STATIONS USED = 12, STAND DEV = 4.20s						
TIY	15.8	328	eP	12 10 13.0	-1.2	XAN	15.3	310	eP	12 20 10.0	-0.8	
BJI	16.3	341	eP	12 10 21.0	-0.1	LZH	19.9	309	eP	12 21 06.5	-1.5	
			eS	12 13 22.0	1.1				PMZ			1.6 0.28
			SMN			GTA	24.3	312	P	12 21 52.1	-0.1	
			SME									
						1986 3 22						

O=12 37 43.9 ± 0.10s
 LAT=24.88 N ± 1.74km
 LONG=122.98 E ± 1.60km
 DEPTH= 53 km ± 1.03km
 STATIONS USED = 42, STAND DEV = 2.14s
 Ms=5.2/ 14,

QZH	4.0	272	eP	12 38 42.0	-2.2		
			S	12 39 28.5	-0.4		
			LN	Ms=5.1		8.0	32.1
WHN	9.5	308	eP	12 40 02.5	1.6		
QZN	13.5	247	eP	12 40 55.8	1.0		
			eS	12 43 26.5	3.1		
			LN	Ms=4.9		12.0	1.90
			LE			10.0	2.70
DL2	14.0	356	eP	12 41 02.5	0.8		
			LN	Ms=5.1		10.0	4.79
XAN	15.3	310	eP	12 41 15.0	-2.7		
			pP	12 41 22.5	-4.6		
			eLG ₂	12 46 05.0	-2.4		
			LN	Ms=5.3		11.0	7.00
			LE			11.0	4.70
TIY	15.6	327	eP	12 41 27.0	4.4		
			LE	Ms=5.1		10.0	4.28
BJI	16.2	341	eP	12 41 30.0	0.9		
SNY	16.9	2	eP	12 41 35.4	-3.1		
CD2	18.0	294	(P)	12 41 53.8	1.4		
			(S)	12 45 13.0	4.9		
			LE	Ms=5.6		8.0	7.54
CN2	19.0	5	eP	12 42 05.0	1.1		
BTO	19.1	328	eP	12 42 06.0	1.1		
			eS	12 45 34.0	2.5		
			LN	Ms=5.2		12.0	2.50
			LE			12.0	3.90
LZH	19.9	309	eP	12 42 08.0	-5.9		
			PMZ			1.5	0.23
MDJ	20.4	14	-P	12 42 21.0	1.7		
			S	12 45 58.0	-1.2		
			LN	Ms=5.5		12.0	8.87
GTA	24.3	312	P	12 42 56.4	-1.5		
			LN	Ms=5.0		18.0	3.02
LSA	28.6	287	eP	12 43 38.0	-0.5		
WMQ	34.4	312	eP	12 44 29.5	1.1		

1986 3 22
 O=12 49 37.1 ± 0.10s
 LAT=24.61 N ± 1.75km
 LONG=122.81 E ± 1.89km
 DEPTH= 19 km ± 0.42km
 STATIONS USED = 25, STAND DEV = 2.26s
 Ms=5.1/ 5,

QZH	3.8	276	ePn	12 50 38.1	2.3		
			Sn	12 51 31.8	9.3		
			LN	Ms=4.2		10.0	4.60
			LE			10.0	3.00
TIY	15.8	328	eP	12 53 20.0	-0.3		
			LE	Ms=5.2		10.0	5.22
SNY	17.2	2	eP	12 53 43.6	5.5		
HHC	18.7	333	eP	12 54 00.0	2.6		
			LN	Ms=5.3		10.0	4.42
			LE			10.0	2.69
CN2	19.3	6	eP	12 54 02.4	-1.2		
LZH	19.9	309	eP	12 54 10.6	-0.6		
			PMZ			1.5	0.090
MDJ	20.7	14	eP	12 54 18.8	-0.5		
GTA	24.4	313	eP	12 54 55.0	-0.6		
			LN	Ms=5.1		18.0	3.43
WMQ	34.4	313	eP	12 56 26.5	0.3		

1986 3 22
 O=12 50 38.0 ± 0.14s
 LAT=24.59 N ± 2.03km
 LONG=122.94 E ± 2.52km
 DEPTH= 34 km ± 0.45km
 STATIONS USED = 29, STAND DEV = 3.17s
 Ms=5.3/ 6,

QZH	4.0	276	eP	12 51 41.2	3.1		
			LN	Ms=4.8		8.0	15.2
			LE			8.0	7.06
DL2	14.3	356	eP	12 54 08.0	7.5		
			LE	Ms=5.3		11.0	7.91
XAN	15.4	311	eP	12 54 13.0	-1.9		
TIY	15.9	328	eP	12 54 25.2	4.6		
BJI	16.4	341	eP	12 54 28.0	0.4		
			LN	Ms=5.0		13.0	3.80
SNY	17.2	2	eP	12 54 40.8	3.4		
BTO	19.3	329	eP	12 55 07.0	4.0		
			eS	12 58 34.0	0.5		
			LN	Ms=5.3		10.0	2.50
			LE			13.0	4.40
LZH	20.0	309	eP	12 55 08.0	-3.3		
			PMZ			1.6	0.21
MDJ	20.7	14	eP	12 55 16.0	-2.1		
			S	12 59 00.0	-2.0		
			LN	Ms=5.5		12.0	7.76
GTA	24.5	313	P	12 55 55.0	-0.4		
			LN	Ms=5.3		18.0	5.03
LSA	28.7	287	eP	12 56 34.6	-0.2		

1986 3 22
 O=12 57 06.1 ± 0.12s

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LAT=24.74 N	± 1.89km				
LONG=122.93 E	± 2.14km				
DEPTH= 69 km	± 0.91km				
STATIONS USED = 30, STAND DEV = 2.60s					
Ms=5.0/ 3,					
QZH	3.9	274	eP	12 58 03.5	-2.3
			S	12 58 58.0	7.0
			LE	Ms=4.4	8.0 6.62
XAN	15.3	310	eP	13 00 35.0	-4.7
			LN	Ms=5.5	10.0 7.80
			LE		10.0 7.60
BJI	16.3	341	(P)	13 00 56.0	4.1
SNY	17.0	2	-P	13 01 04.3	2.7
CN2	19.1	6	eP	13 01 23.0	-3.5
LZH	19.9	309	eP	13 01 37.0	1.7
			PMZ		1.5 0.33
MDJ	20.6	14	-P	13 01 42.5	0.9
LSA	28.6	287	eP	13 02 58.0	-1.1
WMQ	34.4	312	eP	13 03 47.0	-2.5
KSH	41.9	302	eP	13 04 56.9	4.8

1986 3 22

O=13 00 54.7	± 0.07s				
LAT=24.88 N	± 1.24km				
LONG=123.44 E	± 1.79km				
DEPTH= 34 km	± 0.21km				
STATIONS USED = 18, STAND DEV = 1.75s					

CD2	18.4	293	(P)	13 05 09.0	-0.2
CN2	19.0	4	eP	13 05 16.4	0.5
MDJ	20.3	13	eP	13 05 34.0	3.1
GTA	24.6	312	P	13 06 11.8	-1.8

1986 3 22

O=13 05 23.3	± 0.10s				
LAT=24.67 N	± 1.34km				
LONG=123.25 E	± 1.92km				
DEPTH= 39 km	± 0.44km				
STATIONS USED = 29, STAND DEV = 2.67s					

M _L =4.5/ 1,					
QZH	4.2	275	eP	13 06 24.0	-3.3
			S	13 07 13.0	-2.7
			SMN	M _L =4.5	1.6 0.97
GYA	15.1	280	P	13 09 03.6	8.0
XAN	15.6	310	eP	13 09 01.0	-1.0
TIY	15.9	327	eP	13 09 10.3	3.6
BJI	16.4	340	eP	13 09 14.0	1.1
SNY	17.1	1	eP	13 09 24.6	3.3
CD2	18.3	294	(P)	13 09 38.7	2.2
CN2	19.2	5	+P	13 09 45.0	-1.5
MDJ	20.6	13	eP	13 10 03.0	1.6

GTA	24.6	312	P	13 10 40.1	-1.7
WMQ	34.7	312	eP	13 12 10.0	-2.0

1986 3 22

O=13 27 28.6	± 0.18s				
LAT=24.73 N	± 2.14km				
LONG=123.21 E	± 2.66km				
DEPTH= 16 km					
STATIONS USED = 37, STAND DEV = 3.04s					
Ms=5.1/ 6,					

SSE	6.6	345	ePn	13 29 05.2	-0.2
			LG ₂	13 31 11.6	5.4
			LN	Ms=5.2	11.0 26.5
XAN	15.5	310	eP	13 31 07.5	-1.4
TIY	15.9	327	eP	13 31 17.0	3.4
BJI	16.4	341	eP	13 31 20.0	0.2
			LN	Ms=5.1	14.0 5.40
SNY	17.1	1	eP	13 31 29.4	0.9
			LN	Ms=5.3	15.0 8.50
			LE		16.0 3.25
CD2	18.3	294	(P)	13 31 42.2	-1.4
CN2	19.1	5	eP	13 31 53.2	-0.7
LZH	20.1	309	eP	13 32 03.8	-1.7
			PMZ		1.2 0.050
MDJ	20.5	13	eP	13 32 10.0	0.8
GTA	24.6	312	P	13 32 49.6	0.1
WMQ	34.6	312	eP	13 34 18.6	-1.3
KSH	42.2	302	eP	13 35 26.9	4.1

1986 3 22

O=13 33 56.1	± 0.17s				
LAT=24.68 N	± 2.13km				
LONG=123.16 E	± 2.90km				
DEPTH= 16 km					
STATIONS USED = 51, STAND DEV = 3.32s					
Ms=5.4/ 11,					

QZH	4.2	275	ePn	13 34 59.5	0.0
			Sn	13 35 45.6	-4.2
			LN	Ms=4.8	11.0 16.4
			LE		12.0 16.5
SSE	6.6	345	ePn	13 35 31.0	-2.3
			LG ₁	13 37 26.5	2.3
			LG ₂	13 37 39.5	4.8
			LN		1.5 0.49
			LE		1.5 0.96
DL2	14.2	355	eP	13 37 25.5	5.9
			LN	Ms=5.6	12.0 17.5
			LE		11.0 8.22
XAN	15.5	310	eP	13 37 30.0	-6.3
			LN	Ms=5.4	9.0 5.70

	LN		Ms = 5.5	13.0	6.00
LSA	28.8	287	eP	14 33 13.7	-2.2
KSH	42.1	302	eP	14 35 12.9	3.8

1986 3 22
 O = 14 46 03.7 ± 0.08s
 LAT = 24.70 N ± 1.10km
 LONG = 122.86 E ± 1.31km
 DEPTH = 33 km ± 0.23km
 STATIONS USED = 36, STAND DEV = 1.62s

Ms = 5.3 / 9, mb = 5.5 / 2

QZH	3.9	274	eP	14 46 58.0	-4.6
			S	14 47 47.0	-0.7
			LN	Ms = 5.0	8.0 17.9
			LE		8.0 16.3
GZH	8.9	262	eP	14 48 15.0	2.6
			eS	14 49 55.0	2.9
			LN	Ms = 5.3	7.0 4.72
			LE		9.0 14.6

DL2	14.2	356	eP	14 49 24.0	-0.7
			LN	Ms = 5.4	10.0 7.89
			LE		9.0 5.48

XAN	15.3	311	eP	14 49 37.4	-1.7
			pP	14 49 44.5	-1.7
			LG ₂	14 54 28.0	-0.3
			LN	Ms = 5.6	9.0 7.10
			LE		10.0 10.9

BJI	16.3	341	eP	14 49 55.0	3.2
			SME	mb = 5.0	11.0 0.80
SNY	17.1	2	eP	14 50 05.4	3.5
			LN	Ms = 5.3	15.0 6.69
			LE		12.0 3.96

CD2	18.0	294	eP	14 50 13.0	-0.2
KMI	18.3	276	+P	14 50 18.0	1.3
CN2	19.2	6	eP	14 50 26.8	-0.7
LZH	19.9	309	eP	14 50 35.0	-0.8
			PMZ		1.5 0.21

MDJ	20.6	14	eP	14 50 41.5	-1.4
			pP	14 50 47.0	-4.4
			LN	Ms = 5.5	12.0 8.80
GTA	24.3	313	P	14 51 20.2	0.2
			LN	Ms = 5.2	17.0 4.02

LSA	28.6	287	-P	14 51 59.0	-0.8
WMQ	34.4	312	eP	14 52 50.0	-0.6
			S	14 58 11.0	-3.8
			LE	Ms = 5.5	9.0 2.48

1986 3 22
 O = 16 06 28.0 ± 0.16s
 LAT = 24.56 N ± 1.91km

LONG = 123.23 E ± 2.76km
 DEPTH = 35 km ± 0.24km
 STATIONS USED = 24, STAND DEV = 2.69s
 Ms = 5.0 / 3,

TIY	16.0	327	eP	16 10 14.0	1.3
BJI	16.5	341	eP	16 10 25.0	5.9
			LN	Ms = 4.4	12.0 1.00
SNY	17.2	1	eP	16 10 32.0	4.3
CD2	18.3	294	eP	16 10 40.8	-1.0
CN2	19.3	5	eP	16 10 51.6	-1.2
LZH	20.3	309	-P	16 11 02.0	-1.6

			PMZ		2.0 0.090
MDJ	20.7	13	eP	16 11 06.5	-1.2
			LN	Ms = 5.1	12.0 3.30
GTA	24.7	312	P	16 11 46.0	-1.5
			LE	Ms = 5.0	11.0 1.61

1986 3 22
 O = 16 16 57.4 ± 0.19s
 LAT = 25.02 N ± 2.25km
 LONG = 122.83 E ± 2.88km
 DEPTH = 11 km ± 0.77km
 STATIONS USED = 12, STAND DEV = 3.84s

M_L = 4.3 / 1,

SSE	6.2	347	(Pn)	16 18 22.5	-7.1
			LG ₂	16 20 21.0	-1.7
LZH	19.7	309	eP	16 21 33.0	3.1
			PMZ		1.5 0.070
MDJ	20.3	14	eP	16 21 38.5	2.0

1986 3 22
 O = 16 31 55.7 ± 0.13s
 LAT = 24.70 N ± 1.57km
 LONG = 122.97 E ± 2.16km
 DEPTH = 49 km ± 0.65km
 STATIONS USED = 26, STAND DEV = 2.57s

Ms = 4.8 / 2,

BJI	16.3	341	eP	16 35 46.0	2.7
SNY	17.1	2	eP	16 35 57.5	4.6
KMI	18.4	276	eP	16 36 12.5	3.8
CN2	19.2	5	eP	16 36 18.4	0.3
LZH	20.0	309	eP	16 36 28.0	0.8
			PMZ		2.0 0.17
MDJ	20.6	14	eP	16 36 33.0	-0.3
			LN	Ms = 4.9	12.0 1.90
GTA	24.4	313	P	16 37 10.7	-0.5
			LE	Ms = 4.8	11.0 1.01

1986 3 22
 O = 16 43 19.0 ± 0.09s

March, 1986

LAT=24.55 N ± 1.18km
 LONG=122.89 E ± 1.65km
 DEPTH= 73 km ± 0.65km
 STATIONS USED = 18, STAND DEV = 1.68s
 Ms=4.6/ 2,

BJI	16.4	341	eP	16 47 07.5	0.9		
			LN		Ms=4.3	11.0	0.73
SNY	17.2	2	eP	16 47 17.8	1.3		
HHC	18.8	332	eP	16 47 37.8	2.2		
CN2	19.3	6	eP	16 47 39.0	-2.0		
LZH	20.0	309	eP	16 47 48.5	-0.3		
			PMZ			2.0	0.060
MDJ	20.7	14	eP	16 47 54.0	-2.1		
GTA	24.5	313	P	16 48 33.4	0.8		
			LE		Ms=4.9	10.0	1.22
WMQ	34.5	313	P	16 50 03.3	0.5		

1986 3 22
 O=16 50 36.5 ± 0.10s
 LAT=24.73 N ± 1.32km
 LONG=123.00 E ± 1.95km
 DEPTH= 70 km ± 0.67km
 STATIONS USED = 19, STAND DEV = 2.34s
 Ms=4.7/ 3,

SSE	6.5	346	eP	16 52 06.0	-6.2		
			LG ₁	16 54 03.3	1.5		
			LG ₂	16 54 20.4	8.2		
			LE		Ms=4.2	6.0	1.21
BJI	16.3	341	eP	16 54 24.0	1.4		
SNY	17.1	1	eP	16 54 35.0	3.0		
CN2	19.1	5	eP	16 54 56.8	0.0		
LZH	20.0	309	eP	16 55 07.0	0.7		
			PMZ			1.5	0.12
MDJ	20.5	14	eP	16 55 12.0	0.1		
			LN		Ms=4.8	12.0	1.70
GTA	24.4	312	P	16 55 50.4	0.4		
			LE		Ms=4.7	10.0	0.87
WMQ	34.5	312	P	16 57 20.3	0.0		

1986 3 22
 O=16 56 51.4 ± 0.14s
 LAT= 4.07 S ± 3.18km
 LONG=104.56 W ± 3.81km
 DEPTH= 0 km ± 1.22km
 STATIONS USED = 23, STAND DEV = 2.54s

BJI	128.7	320	PKP	17 16 02.0	0.0		
CD2	142.3	318	ePKP	17 16 28.6	1.6		
KSH	144.8	359	ePKP	17 16 35.9	4.4		
KMI	146.4	311	ePKP	17 16 35.5	1.1		

1986 3 22
 O=17 06 58.6 ± 0.16s
 LAT=24.63 N ± 2.02km
 LONG=122.91 E ± 2.77km
 DEPTH= 18 km ± 0.37km
 STATIONS USED = 23, STAND DEV = 2.91s
 Ms=4.7/ 3,

TIY	15.8	328	eP	17 10 38.4	-4.1		
			S	17 13 31.0	-6.0		
			LF		Ms=4.7	9.0	1.45
BJI	16.4	341	eP	17 10 55.0	5.4		
			LE		Ms=4.4	17.0	1.42
SNY	17.2	2	eP	17 11 05.8	6.4		
TIY	18.3	276	eP	17 11 17.5	3.3		
CN2	19.2	6	eP	17 11 23.4	-1.5		
LZH	20.0	309	eP	17 11 33.0	-0.7		
			PMZ			2.0	0.14
MDJ	20.7	14	eP	17 11 39.5	-0.9		
GTA	24.4	313	P	17 12 16.9	-0.9		
			LE		Ms=4.9	10.5	1.35

1986 3 22
 O=17 28 56.5 ± 0.16s
 LAT=24.81 N ± 1.73km
 LONG=123.20 E ± 2.73km
 DEPTH= 10 km ± 0.51km
 STATIONS USED = 25, STAND DEV = 3.28s
 Ms=4.1/ 5,

OZP	4.2	273	ePn	17 30 06.5	5.7		
			Sn	17 30 58.5	6.6		
			LN		Ms=4.1	14.0	4.70
SSI	6.5	345	ePn	17 30 31.7	-1.0		
			LG ₂	17 32 33.0	1.7		
			LE		Ms=3.4	8.0	0.26
XAN	15.5	310	eP	17 32 34.8	-1.8		
TIY	15.8	327	eP	17 32 46.9	5.8		
			LE		Ms=4.6	10.0	1.27
BJI	16.3	340	eP	17 32 48.0	0.7		
SNY	17.0	1	eP	17 33 01.2	5.2		
CD2	18.2	294	eP	17 33 11.0	-0.6		
CN2	19.0	5	eP	17 33 22.0	0.5		
LZH	20.1	309	eP	17 33 32.5	-1.0		
			PMZ			2.0	0.12
MDJ	20.4	13	eP	17 33 37.0	0.0		
GTA	24.5	312	P	17 34 17.0	-0.5		
			LE		Ms=4.9	10.5	1.25

1986 3 22
 O=17 31 58.5 ± 0.04s
 LAT=25.02 N ± 0.56km

LONG = 122.33 E ± 2.18km
DEPTH = 70 km
STATIONS USED = 8, STAND DEV = 1.28s
CN2 18.9 7 eP 17 36 17.4 0.9
MDJ 20.4 15 eP 17 36 32.5 -0.2

1986 3 22
O = 17 55 03.8 ± 0.10s
LAT = 24.55 N ± 1.11km
LONG = 123.30 E ± 2.06km
DEPTH = 34 km ± 0.14km
STATIONS USED = 31, STAND DEV = 1.94s
Ms = 4.8 / 5,

SSE	6.8	344	eP	17 56 47.0	3.3		
			LG ₁	17 58 45.5	8.5		
			LE	Ms = 4.4	12.0	3.92	
TIY	16.1	327	eP	17 58 52.7	3.5		
			LE	Ms = 4.6	11.0	1.36	
BJI	16.6	340	eP	17 58 55.5	0.1		
SNY	17.2	1	eP	17 59 04.3	0.6		
KMI	18.7	276	eP	17 59 19.5	-2.4		
CN2	19.3	5	eP	17 59 28.4	-0.4		
BTO	19.5	328	eP	17 59 31.0	-0.2		
			eS	18 03 00.0	-4.0		
			LN	Ms = 4.8	10.0	0.90	
			LE		10.0	1.00	
LZH	20.3	309	eP	17 59 39.0	-1.1		
			PMZ		2.0	0.14	
MDJ	20.7	13	eP	17 59 42.5	-1.1		
			LN	Ms = 5.0	12.0	2.50	
GTA	24.7	312	P	18 00 22.0	-1.9		
			LN	Ms = 4.8	14.0	1.30	

1986 3 22
O = 18 14 41.2 ± 0.12s
LAT = 26.11 N ± 1.47km
LONG = 122.38 E ± 1.74km
DEPTH = 31 km ± 0.17km
STATIONS USED = 23, STAND DEV = 2.24s
Ms = 5.0 / 2,

XAN	14.1	307	eP	18 18 01.0	0.3		
GYA	14.1	275	P	18 18 03.4	2.2		
CD2	17.0	291	eP	18 18 36.3	-2.7		
LZH	18.7	307	eP	18 19 00.5	0.7		
			PMZ		2.0	0.12	
MDJ	19.4	16	eP	18 19 05.5	-1.8		
			LN	Ms = 5.0	12.0	3.05	
GTA	23.1	311	P	18 19 43.5	-2.0		
			LE	Ms = 5.0	11.0	1.91	
WMQ	33.2	311	P	18 21 13.4	-4.1		

1986 3 22
O = 18 31 11.5 ± 0.15s
LAT = 24.73 N ± 1.80km
LONG = 122.99 E ± 2.21km
DEPTH = 60 km ± 1.41km
STATIONS USED = 29, STAND DEV = 2.61s
Ms = 4.7 / 5,

SSE	6.5	346	(P)	18 32 41.5	-6.0		
			eLG ₂	18 34 46.0	-1.4		
			LN	Ms = 4.4	10.0	3.33	
XAN	15.4	310	eP	18 34 45.0	-1.4		
TIY	15.8	328	eP	18 34 56.8	5.3		
BJI	16.3	341	eP	18 35 00.0	1.8		
			LN	Ms = 4.3	11.0	0.70	
SNY	17.1	1	eP	18 35 10.6	2.9		
HHC	18.7	332	P	18 35 28.3	0.5		
CN2	19.1	5	eP	18 35 32.0	-0.7		
			LN	Ms = 4.7	12.0	1.30	
BTO	19.2	329	eP	18 35 34.9	1.4		
LZH	20.0	309	eP	18 35 43.0	0.9		
			PMZ		2.0	0.13	
MDJ	20.6	14	eP	18 35 47.5	-0.3		
GTA	24.4	312	P	18 36 26.2	0.3		
			LE	Ms = 4.8	10.5	1.03	
WMQ	34.5	312	eP	18 37 56.0	-0.3		

1986 3 22
O = 18 37 04.1 ± 0.08s
LAT = 24.63 N ± 0.79km
LONG = 122.92 E ± 1.68km
DEPTH = 50 km ± 0.08km
STATIONS USED = 12, STAND DEV = 1.62s
Ms = 4.6 / 3,

BJI	16.4	341	eP	18 40 56.0	3.7		
			LN	Ms = 4.6	11.0	1.40	
CN2	19.2	6	eP	18 41 26.0	-1.2		
MDJ	20.7	14	eP	18 41 41.5	-0.9		
GTA	24.4	313	P	18 42 19.5	-0.1		
			LE	Ms = 5.2	11.0	2.69	

1986 3 22
O = 18 45 32.3 ± 0.14s
LAT = 24.70 N ± 2.05km
LONG = 123.15 E ± 2.31km
DEPTH = 32 km ± 0.48km
STATIONS USED = 56, STAND DEV = 2.73s
Ms = 5.5 / 26, m_B = 5.7 / 3

QZH	4.2	274	ePn	18 46 28.5	-5.4		
			Sn	18 47 20.0	-2.9		

			LN		Ms=4.2	12.0	5.30	MDJ	20.5	13	+P	18 50 10.5	-0.5		
GZH	9.1	262	eP	18 47 49.5	4.8						pP	18 50 14.5	-4.9		
			eS	18 49 32.3	4.9						S	18 53 49.0	-4.7		
			LN		Ms=5.2	10.0	6.92				LN		Ms=6.1	12.0	29.4
			LE			10.0	10.6	GTA	24.5	312	P	18 50 50.0	-0.6		
WHN	9.7	309	eP	18 47 50.0	-3.2						(S)	18 55 12.0	5.2		
			LG ₂	18 50 46.0	-7.5						sS	18 55 17.0	-3.8		
			LN		Ms=5.7	12.0	22.8				LE		Ms=5.6	11.5	7.35
			LE			11.0	33.5	LSA	28.8	287	eP	18 51 27.4	-3.3		
QZN	13.6	248	eP	18 48 49.8	4.5			WMQ	34.6	312	eP	18 52 19.3	-1.7		
			eS	18 51 24.0	7.8						eS	18 57 43.0	-4.7		
			LN		Ms=5.1	12.0	6.40				LE		Ms=5.8	10.0	5.67
GYA	15.0	280	eP	18 48 58.4	-5.4			KSH	42.1	302	eP	18 53 28.9	5.1		
			S	18 51 39.0	-9.9										
			LN		Ms=5.6	12.0	12.0	1986 3 22							
			LE			12.0	9.50	O = 19 31 36.2 ± 0.10s							
XAN	15.5	310	eP	18 49 08.0	-2.3			LAT = 24.72 N ± 1.77km							
			pP	18 49 15.0	-2.5			LONG = 123.13 E ± 1.83km							
			LG ₂	18 54 01.0	-2.6			DEPTH = 32 km ± 0.55km							
			LN		Ms=5.6	13.0	14.3	STATIONS USED = 39, STAND DEV = 2.07s							
			LE			13.0	10.0	Ms = 4.7 / 7,							
TIY	15.9	327	eP	18 49 20.6	5.4			WHN	9.7	309	eP	19 33 55.5	-1.3		
			LG ₂	18 54 25.0	9.1						LG ₂	19 36 53.0	-3.4		
			LE		Ms=5.3	10.0	6.14				LE		Ms=4.7	10.0	4.00
BJI	16.4	341	eP	18 49 27.0	5.4			DL2	14.2	355	eP	19 35 00.0	2.7		
			eS	18 52 30.0	8.1			GYA	15.0	280	P	19 35 08.6	1.2		
			SME		m _B = 5.2	11.0	1.50	XAN	15.5	310	eP	19 35 11.0	-2.9		
			LN		Ms=5.4	12.0	9.30	TIY	15.8	327	eP	19 35 20.5	1.8		
SNY	17.1	1	eP	18 49 29.5	-0.9						LN		Ms=4.6	8.0	0.58
			LN		Ms=5.6	12.0	13.8				LE			8.0	0.83
			LE			12.0	6.26	BJI	16.4	341	eP	19 35 26.5	1.3		
CD2	18.2	294	eP	18 49 45.4	0.6						LN		Ms=4.4	11.0	0.90
			eS	18 52 58.6	-5.7			SNY	17.1	1	eP	19 35 38.6	4.5		
			LE		Ms=6.0	7.0	16.3	CD2	18.2	294	eP	19 35 48.0	-0.4		
KMI	18.5	276	eP	18 49 50.0	1.4			KMI	18.5	276	eP	19 35 52.0	-0.2		
HHC	18.8	332	P	18 49 53.0	1.2			HHC	18.8	332	P	19 35 56.5	1.1		
			LN		Ms=5.6	11.0	10.5	CN2	19.1	5	eP	19 35 59.2	-0.4		
			LE			11.0	5.55	MDJ	20.5	13	eP	19 36 14.0	-0.8		
CN2	19.1	5	eP	18 49 54.2	-1.6						LN		Ms=4.9	12.0	2.22
			eS	18 53 16.0	-8.8			GTA	24.5	312	P	19 36 53.0	-1.2		
			LN		Ms=5.9	12.0	22.7				LE		Ms=4.8	10.0	0.94
BTO	19.3	328	-iP	18 50 00.0	2.4			LSA	28.8	287	eP	19 37 30.3	-4.1		
			S	18 53 30.0	2.7			WMQ	34.6	312	P	19 38 23.5	-1.2		
			LN		Ms=5.5	12.0	7.00	KSH	42.1	302	e(P)	19 39 33.0	5.5		
			LE			12.0	5.20	1986 3 22							
LZH	20.1	309	eP	18 50 07.0	0.4			O = 19 37 34.6 ± 0.13s							
			PMZ			2.0	0.50	LAT = 5.47 S ± 1.57km							
			eS	18 53 41.5	-4.9			LONG = 150.54 E ± 3.54km							
			SME		m _B = 5.7	9.0	2.38	DEPTH = 125 km ± 0.68km							
			LN		Ms=5.4	12.0	6.61								



STATIONS USED = 26, STAND DEV = 1.78s

NJ2	48.0	323	eP	19 46 06.0	2.9		
WHN	49.8	318	eP	19 46 19.5	2.4		
DL2	51.6	331	+P	19 46 31.2	0.3		
GYA	53.0	309	P	19 46 42.0	0.5		
SNY	53.1	335	eP	19 46 42.2	0.2		
MDJ	53.3	341	-P	19 46 44.0	0.7		
CN2	54.0	338	eP	19 46 48.0	-0.6		
BJI	55.2	328	eP	19 46 57.0	-0.4		
XAN	55.6	318	eP	19 46 59.0	-1.0		
TIY	55.7	324	eP	19 47 00.2	-0.7		
CD2	57.5	312	eP	19 47 13.9	0.4		
BTO	59.0	325	-iP	19 47 24.2	0.0		

1986 3 22
 O = 19 51 35.3 ± 0.05s
 LAT = 24.75 N ± 0.71km
 LONG = 122.91 E ± 0.90km
 DEPTH = 48 km ± 0.34km
 STATIONS USED = 17, STAND DEV = 1.03s

Ms = 4.3 / 2,

XAN	15.3	310	eP	19 55 08.0	-1.8		
BJI	16.3	341	eP	19 55 22.0	-0.1		
			LN	Ms = 4.1	12.0	0.50	
SNY	17.0	2	eP	19 55 33.0	1.2		
			eS	19 58 42.0	4.2		
			LE	Ms = 4.4	15.0	1.04	
KMI	18.3	275	eP	19 55 50.0	2.2		
CN2	19.1	6	eP	19 55 57.5	0.3		
MDJ	20.5	14	eP	19 56 12.5	0.0		
WMQ	34.4	312	P	19 58 20.5	-0.2		

1986 3 22
 O = 20 26 49.5 ± 0.12s
 LAT = 24.64 N ± 1.44km
 LONG = 122.94 E ± 1.70km
 DEPTH = 42 km ± 0.30km
 STATIONS USED = 38, STAND DEV = 1.71s

Ms = 4.9 / 9,

XAN	15.4	311	eP	20 30 24.0	-1.6		
			LG ₂	20 35 10.0	-7.1		
			LN	Ms = 5.2	9.0	3.00	
			LE		9.0	4.50	
TIY	15.8	328	eP	20 30 34.8	3.7		
			LG ₂	20 35 28.5	-2.8		
			LN	Ms = 4.9	9.0	1.29	
			LE		10.0	1.97	
BJI	16.4	341	eP	20 30 41.0	2.9		
			LN	Ms = 4.8	10.0	1.70	
			LE		12.5	0.80	

SNY	17.1	2	eP	20 30 48.4	0.6		
			eS	20 33 53.0	-2.4		
			LN	Ms = 4.8	15.0	2.58	
CD2	18.1	294	eP	20 30 58.2	-1.3		
KMI	18.3	276	eP	20 31 03.5	0.7		
HHC	18.8	332	eP	20 31 08.0	0.2		
			LN	Ms = 4.9	12.0	2.27	
			LE		11.0	1.11	
CN2	19.2	6	eP	20 31 13.0	-0.1		
BTO	19.2	329	P	20 31 14.0	0.6		
			eS	20 34 43.0	0.2		
			LN	Ms = 4.9	14.0	2.00	
			LE		14.0	2.00	
LZH	20.0	309	-P	20 31 21.5	-0.3		
			PMZ		1.5	0.14	
MDJ	20.7	14	eP	20 31 27.0	-1.4		
GTA	24.4	313	P	20 32 05.0	-0.9		
			LE	Ms = 5.1	11.0	2.06	
LSA	28.7	287	eP	20 32 43.8	-1.7		
WMQ	34.5	313	P	20 33 35.5	-0.8		

1986 3 22
 O = 20 29 45.4 ± 0.15s
 LAT = 24.85 N ± 2.71km
 LONG = 123.39 E ± 2.81km
 DEPTH = 34 km ± 0.82km
 STATIONS USED = 34, STAND DEV = 2.83s

Ms = 5.0 / 3,

GYA	15.2	280	P	20 33 24.0	4.8		
XAN	15.6	309	eP	20 33 22.5	-1.7		
TIY	15.9	327	eP	20 33 31.5	3.4		
BJI	16.3	340	eP	20 33 37.0	3.3		
SNY	16.9	0	eP	20 33 44.0	2.5		
HHC	18.8	331	P	20 34 06.2	1.8		
CN2	19.0	5	eP	20 34 09.8	2.8		
BTO	19.3	328	eP	20 34 10.0	-0.4		
LZH	20.2	308	eP	20 34 20.0	-0.4		
			PMZ		1.5	0.090	
MDJ	20.4	13	eP	20 34 16.5	-5.4		
			S	20 38 03.5	0.5		
			LN	Ms = 5.0	12.0	2.83	
GTA	24.6	312	P	20 35 02.6	-1.5		
LSA	29.0	287	eP	20 35 40.0	-5.1		
WMQ	34.7	312	eP	20 36 31.0	-3.4		

1986 3 22
 O = 20 48 20.5 ± 0.09s
 LAT = 24.80 N ± 1.37km
 LONG = 122.98 E ± 1.49km
 DEPTH = 47 km ± 0.66km

STATIONS USED = 68, STAND DEV = 1.75s				Ms = 5.2 / 30, m _B = 5.5 / 7			
QZH	4.0	273	eP	20 49 22.5	1.7		
			S	20 50 08.0	2.2		
			LN			Ms = 4.7	9.0 13.1
SSE	6.5	346	eP	20 49 52.0	-0.4		
			LG ₁	20 51 37.0	-6.7		
			LG ₂	20 51 50.0	-3.9		
			LN			Ms = 5.2	8.0 15.2
			LE				8.0 11.4
WHN	9.5	309	eP	20 50 36.0	-2.4		
			LG ₁	20 53 18.0	-2.4		
			LG ₂	20 53 38.0	2.5		
			LN			Ms = 5.5	13.0 20.3
			LE				10.0 18.5
TIA	12.4	337	eP	20 51 18.0	0.4		
			LN			Ms = 5.1	12.0 3.21
			LE				12.0 5.69
DL2	14.1	356	eP	20 51 40.0	0.4		
			LN			Ms = 5.2	10.0 5.07
			LE				10.0 3.69
GYA	14.8	280	P	20 51 51.6	2.7		
			S	20 54 37.6	6.6		
			LN			Ms = 5.5	9.0 9.30
			LE				9.0 3.60
XAN	15.3	310	eP	20 51 52.0	-3.3		
			LG ₂	20 56 40.0	-5.6		
			LN			Ms = 5.5	10.0 4.20
			LE				10.0 10.1
TIY	15.7	328	-iP	20 52 05.0	4.7		
			LG ₂	20 57 08.0	9.5		
			LE			Ms = 5.2	10.0 4.98
BJI	16.2	341	eP	20 52 08.0	0.9		
			eS	20 55 10.0	5.3		
			SME			m _B = 5.1	11.0 0.90
			LN			Ms = 5.0	11.0 3.30
SNY	17.0	2	eP	20 52 16.4	-0.2		
			S	20 55 19.0	-2.5		
			SS	20 55 38.0	-4.9		
			LN			Ms = 5.3	13.0 6.43
			LE				11.0 3.08
CD2	18.0	294	eP	20 52 30.1	0.4		
			(S)	20 55 47.0	1.0		
			LE			Ms = 5.7	8.0 9.94
KMI	18.4	275	eP	20 52 35.0	1.3		
			PMZ			m _B = 5.2	8.0 0.90
			pP	20 52 43.0	0.2		
			LN			Ms = 5.3	9.0 4.70
HHC	18.6	332	P	20 52 38.3	1.4		
			LN			Ms = 5.3	11.0 4.36

CN2	19.1	5	-P	20 52 41.0	-1.0		
			PMZ				3.0 1.00
			eS	20 56 09.0	0.2		
			SMN			m _B = 5.5	9.0 1.60
			LN			Ms = 5.5	13.0 8.80
BTO	19.1	329	eP	20 52 43.0	0.3		
			S	20 56 10.0	0.5		
			LN			Ms = 5.0	12.0 2.20
			LE				13.0 2.20
LZH	19.9	309	-P	20 52 53.0	1.4		
			PMZ				2.0 0.40
			eS	20 56 24.0	-4.2		
			SMN			m _B = 5.6	9.0 1.98
			LG ₂	20 59 09.0	-9.0		
			LN			Ms = 5.2	12.0 3.82
MDJ	20.5	14	eP	20 52 57.2	-0.1		
			S	20 56 40.0	1.6		
			LN			Ms = 5.7	12.0 11.9
GTA	24.3	312	-P	20 53 35.0	-0.6		
			S	20 57 55.0	7.2		
			sS	20 58 10.5	2.8		
			LE			Ms = 4.8	11.0 1.13
LSA	28.7	287	eP	20 54 15.4	-0.5		
			S	20 58 56.0	-2.4		
			LN			Ms = 4.9	16.0 1.43
WMQ	34.4	312	eP	20 55 06.3	0.2		
			(S)	21 00 33.0	3.1		
			LE			Ms = 5.5	11.0 2.83

1986 3 22			
O	= 21 01 06.9		± 0.08s
LAT	= 24.78 N		± 1.10km
LONG	= 122.94 E		± 0.91km
DEPTH	= 57 km		± 0.53km
STATIONS USED = 15, STAND DEV = 1.38s			
XAN	15.3	310	eP 21 04 41.0 0.0
CN2	19.1	6	eP 21 05 27.0 -0.8
LZH	19.9	309	eP 21 05 36.0 -1.0
			PMZ 2.5 0.12
MDJ	20.5	14	eP 21 05 41.5 -1.5
GTA	24.3	312	P 21 06 22.3 1.4

1986 3 22			
O	= 21 32 36.5		± 0.15s
LAT	= 24.13 N		± 1.85km
LONG	= 122.89 E		± 1.49km
DEPTH	= 37 km		± 1.37km
STATIONS USED = 27, STAND DEV = 2.89s			
Ms = 4.6 / 8,			

QZH	4.0	283	eP	21 33 36.5	-0.5		
			S	21 34 27.0	4.1		
			LN		Ms=4.2	10.0	4.60
SSE	7.1	348	eP	21 34 15.5	-5.2		
			LG ₁	21 36 22.0	2.4		
			LN		Ms=4.6	12.0	4.47
			LE			12.0	2.92
GZH	8.8	265	e(P)	21 34 48.3	3.8		
			eS	21 36 26.1	2.7		
			LN		Ms=4.4	20.0	4.53
XAN	15.7	312	eP	21 36 19.0	2.3		
TIY	16.2	329	eP	21 36 26.7	3.1		
			LG ₂	21 41 36.5	4.6		
			LE		Ms=5.0	10.5	3.17
BJI	16.8	342	eP	21 36 36.0	4.7		
			LN		Ms=4.6	12.0	1.30
SNY	17.7	2	eP	21 36 41.7	0.2		
KMI	18.3	277	eP	21 36 55.0	4.7		
HHC	19.2	333	P	21 37 00.4	0.2		
LZH	20.3	310	eP	21 37 12.0	-0.3		
			PMZ			1.5	0.070
MDJ	21.2	13	eP	21 37 18.5	-2.5		
			LN		Ms=4.9	12.0	2.00

1986 3 22

O=23 17 01.3 ± 0.13s
 LAT=25.00 N ± 1.45km
 LONG=122.57 E ± 2.25km
 DEPTH= 14 km ± 0.39km
 STATIONS USED = 13, STAND DEV = 3.13s
 Ms=4.7/ 3,

XAN	14.9	310	eP	23 20 33.5	-0.2		
			LN		Ms=4.7	8.0	0.80
			LE			10.0	1.70
BJI	15.9	342	(P)	23 20 51.0	4.0		
			LN		Ms=4.3	11.0	0.70
SNY	16.8	3	eP	23 21 02.6	4.5		
LZH	19.5	309	eP	23 21 28.5	-3.0		
			PMZ			2.0	0.090
MDJ	20.4	15	eP	23 21 36.0	-4.8		
GTA	23.9	312	P	23 22 17.1	0.7		
			LE		Ms=4.7	10.0	0.88

1986 3 22

O=23 39 21.3 ± 0.15s
 LAT=24.80 N ± 2.17km
 LONG=122.97 E ± 2.34km
 DEPTH= 35 km ± 0.66km
 STATIONS USED = 40, STAND DEV = 2.78s
 Ms=4.9/ 18,

QZH	4.0	273	eP	23 40 18.0	-3.5		
			S	23 41 11.5	4.2		
			LN		Ms=4.6	8.0	7.30
			LE			8.0	6.80
SSE	6.5	346	eP	23 40 56.0	-0.6		
			LG ₁	23 42 38.0	-6.3		
			LG ₂	23 42 50.0	-4.6		
			LN		Ms=4.8	10.0	9.56
DL2	14.1	356	eP	23 42 46.2	5.2		
			LN		Ms=5.1	10.0	3.94
			LE			10.0	1.99
GYA	14.8	280	P	23 42 56.0	5.8		
XAN	15.3	310	eP	23 42 56.0	-0.6		
			LG ₂	23 47 40.0	-6.1		
			LN		Ms=5.3	8.0	3.60
			LE			9.0	5.10
TIY	15.7	328	eP	23 43 05.0	3.3		
			LG ₁	23 47 32.0	-2.2		
			LN		Ms=4.9	11.0	0.96
			LE			10.0	2.20
BJI	16.2	341	eP	23 43 14.0	5.5		
			LN		Ms=4.8	12.5	2.20
SNY	17.0	2	eP	23 43 21.2	3.2		
			LN		Ms=4.9	12.0	2.05
			LE			10.0	1.15

CD2	18.0	294	eP	23 43 28.4	-2.8		
			LE		Ms=5.3	7.0	3.42
KMI	18.3	275	+P	23 43 35.5	0.3		
HHC	18.6	332	eP	23 43 38.0	-0.5		
			LN		Ms=5.0	12.0	2.66
			LE			12.0	1.26
CN2	19.1	6	eP	23 43 43.0	-0.7		
BTO	19.1	329	eP	23 43 44.5	0.1		
			eS	23 47 12.0	-0.9		
			LN		Ms=5.1	13.0	2.30
			LE			15.0	3.20
LZH	19.9	309	eP	23 43 51.5	-1.8		
			PMZ			2.0	0.12
MDJ	20.5	14	eP	23 43 57.0	-2.1		
GTA	24.3	312	+P	23 44 37.0	-0.4		
			LE		Ms=5.2	10.0	2.30

1986 3 22

O=23 53 45.0 ± 0.11s
 LAT=24.66 N ± 1.73km
 LONG=123.24 E ± 2.17km
 DEPTH= 21 km ± 0.44km
 STATIONS USED = 58, STAND DEV = 2.57s
 Ms=5.1/ 23, M_L=4.4/ 2, m_B=5.1/ 2

QZH	4.2	275	ePn	23 54 49.5	0.7		
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				LONG = 122.85 E ± 2.68km			
				DEPTH = 32 km ± 0.70km			
				STATIONS USED = 64, STAND DEV = 2.87s			
				Ms = 5.0 / 32, ML = 4.9 / 2, mb = 5.6 / 3			
			Sn	23 55 38.5	-1.0		
			SMN	ML = 4.4	1.2	0.66	
			LN	Ms = 4.3	12.0	6.90	
SSE	6.7	345	Pn	23 55 20.0	-2.2		
			LG ₂	23 57 23.5	-1.5		
			LN	Ms = 4.9	10.0	9.78	
			LE		10.0	3.19	
DL2	14.3	355	eP	23 57 15.0	6.7		
			LN	Ms = 5.0	11.0	3.32	
			LE		10.0	2.84	
GYA	15.1	280	P	23 57 25.6	6.8		
			S	24 00 00.0	-5.3		
			LN	Ms = 5.2	9.0	4.90	
XAN	15.6	310	eP	23 57 22.0	-3.4		
			pP	23 57 29.0	-2.2		
			LG ₁	24 02 04.0	9.6		
			LN	Ms = 5.3	8.0	3.40	
			LE		10.0	5.30	
TIY	15.9	327	eP	23 57 32.4	2.2		
			LG ₂	24 02 37.0	5.8		
			LN	Ms = 4.9	10.0	1.06	
			LE		10.0	2.36	
BJI	16.4	341	eP	23 57 39.0	2.6		
			eS	24 00 43.0	5.0		
			SMN	mb = 4.9	8.0	0.40	
			SME		9.0	0.40	
			LN	Ms = 4.9	14.0	3.20	
CD2	18.3	294	eP	23 57 58.7	-1.2		
			LE	Ms = 5.6	7.0	6.51	
CN2	19.2	5	+P	23 58 10.8	0.5		
LZH	20.2	309	-P	23 58 21.5	-0.3		
			PMZ		1.5	0.090	
			pP	23 58 25.0	-3.3		
			eS	24 02 08.0	5.1		
			SMN	mb = 5.3	8.0	1.12	
			LN	Ms = 5.2	7.0	2.25	
MDJ	20.6	13	eP	23 58 25.5	0.1		
			S	24 02 04.0	-5.1		
			LN	Ms = 5.4	12.0	7.00	
GTA	24.6	312	-iP	23 59 05.0	-0.7		
			S	24 03 23.0	0.7		
			LE	Ms = 5.0	10.5	1.67	
LSA	28.9	287	eP	23 59 44.8	-0.9		
WMQ	34.7	312	eP	24 00 34.7	-1.3		
			PPP	24 02 08.0			
			LN	Ms = 5.0	13.0	1.19	
				LONG = 122.85 E ± 2.68km			
				DEPTH = 32 km ± 0.70km			
				STATIONS USED = 64, STAND DEV = 2.87s			
				Ms = 5.0 / 32, ML = 4.9 / 2, mb = 5.6 / 3			
			QZH	3.9 274	ePn	00 47 55.5	-0.4
					Sn	00 48 50.0	8.2
					SMN	ML = 4.5	1.2 1.55
					SME		1.0 0.62
SSE	6.5	347	ePn	00 48 32.0	0.1		
			LG ₁	00 50 20.0	-2.0		
			LG ₂	00 50 34.0	1.7		
			LN	Ms = 4.8	10.0	8.67	
NJ2	8.1	335	eP	00 48 55.0	-1.2		
			S	00 50 30.0	2.8		
			LE	Ms = 4.7	9.0	4.70	
GZH	8.8	261	eP	00 49 08.0	1.1		
			eS	00 50 43.5	-3.0		
			LN	Ms = 5.1	4.0	1.88	
			LE		8.0	6.90	
WHN	9.5	309	eP	00 49 15.5	-0.2		
TIA	12.4	338	eP	00 50 01.0	5.0		
			eS	00 52 15.5	0.9		
			eLG ₂	00 53 43.0	-5.6		
			LN	Ms = 4.7	11.0	1.61	
			LE		11.0	2.43	
QZN	13.3	247	eP	00 50 01.0	-7.0		
			eS	00 52 33.0	-3.3		
			LN	Ms = 4.7	12.0	1.00	
			LE		9.0	1.70	
DL2	14.2	356	eP	00 50 17.0	-1.6		
			LN	Ms = 5.1	10.0	3.66	
			LE		9.0	2.74	
GYA	14.7	280	P	00 50 33.8	7.8		
			LN	Ms = 5.1	9.0	3.20	
			LE		9.0	2.10	
XAN	15.2	311	eP	00 50 34.0	1.0		
			LG ₂	00 55 16.0	-5.3		
			LN	Ms = 5.2	9.0	2.80	
			LE		9.0	4.30	
TIY	15.7	328	eP	00 50 40.5	1.9		
			LG ₂	00 55 42.0	6.6		
			LE	Ms = 4.8	10.0	2.08	
BJI	16.2	341	eP	00 50 46.0	0.3		
			eS	00 53 52.0	7.3		
			LN	Ms = 4.8	10.0	1.70	
			LE		10.0	0.60	
SNY	17.0	2	eP	00 50 54.5	-1.3		
			LG ₁	00 55 50.0	-3.5		
			LG ₂	00 56 24.0	3.5		
			LN	Ms = 4.8	11.0	1.11	

1986 3 23

O = 00 46 58.2 ± 0.19s

LAT = 24.75 N ± 2.56km

CD2	18.0	294	LE		11.0	1.59	BJI	22.3	67	eP	01 02 26.0	3.4
			eP	00 51 06.6	-0.7		CN2	29.5	61	eP	01 03 30.0	-0.9
			eS	00 54 31.0	7.0							
			LN	Ms=5.3	8.0	4.24						
KMI	18.2	275	+P	00 51 11.5	0.5							
			pP	00 51 20.0	1.8							
			LE	Ms=5.1	10.0	3.00						
HHC	18.6	332	+P	00 51 16.0	0.5							
			LN	Ms=4.9	11.0	1.70						
			LE		11.0	0.90						
BTO	19.1	329	eP	00 51 26.5	5.1							
			S	00 54 55.0	5.9							
			LN	Ms=4.9	13.0	1.80						
			LE		13.0	1.90						
CN2	19.1	6	eP	00 51 20.5	-1.0							
			eS	00 54 58.0	7.8							
			LN	Ms=5.1	13.0	4.10						
LZH	19.9	309	+P	00 51 30.5	0.6							
			PMZ		1.5	0.16						
			eS	00 55 12.0	4.9							
			SMN	m _B =5.1	8.0	0.56						
			LN	Ms=5.0	8.0	1.96						
MDJ	20.6	14	eP	00 51 36.0	-1.0							
			S	00 55 20.0	0.1							
			LN	Ms=5.1	12.0	3.38						
GTA	24.3	313	P	00 52 13.5	-0.7							
			eS	00 56 28.5	-0.1							
			LN	Ms=5.3	10.0	2.84						
WMQ	34.4	312	P	00 53 43.9	-0.9							
KSH	41.9	302	eP	00 54 52.0	4.5							
			LE	Ms=5.9	7.0	4.00						
1986 3 23												
O=00 57 26.8 ± 0.12s												
LAT=34.39 N ± 1.46km												
LONG= 89.08 E ± 1.51km												
DEPTH= 33 km ± 0.06km												
STATIONS USED = 23, STAND DEV= 2.31s												
Ms=4.3/ 3,												
LSA	5.0	159	eP	00 58 44.4	2.3							
			LE	Ms=4.3	9.5	3.88						
WMQ	9.5	354	eP	00 59 44.0	-0.2							
GTA	9.9	57	P	00 59 50.5	-0.3							
			LE	Ms=3.8	10.0	0.47						
CD2	12.8	102	eP	01 00 31.0	0.9							
XAN	16.4	86	-iP	01 01 19.5	2.9							
GYA	17.1	113	P	01 01 23.0	-2.1							
BTO	17.7	63	eP	01 01 31.7	-1.2							
HHC	18.9	64	eP	01 01 47.0	-0.7							
TIY	19.2	73	eP	01 01 51.5	1.0							
1986 3 23												
O=01 42 49.7 ± 0.14s												
LAT=24.57 N ± 2.69km												
LONG=123.26 E ± 2.64km												
DEPTH= 42 km ± 0.81km												
STATIONS USED = 34, STAND DEV= 3.27s												
Ms=4.1/ 5,												
SSE	6.8	345	eP	01 44 24.0	-5.0							
			LG ₂	01 46 26.0	-6.6							
			LN	Ms=3.9	10.0	1.11						
WHN	9.9	309	eP	01 45 20.0	7.5							
XAN	15.7	310	eP	01 46 24.0	-5.2							
			LN	Ms=4.5	8.0	0.60						
			LE		10.0	0.84						
BJI	16.5	341	eP	01 46 44.0	3.6							
SNY	17.2	1	eP	01 46 46.8	-2.1							
CD2	18.4	294	eP	01 47 01.7	-1.6							
			LE	Ms=4.7	7.0	0.96						
HHC	19.0	332	P	01 47 14.5	4.1							
CN2	19.3	5	eP	01 47 12.4	-1.4							
BTO	19.5	328	eP	01 47 18.8	2.8							
LZH	20.3	309	+P	01 47 23.0	-1.8							
			PMZ		1.5	0.050						
MDJ	20.7	13	eP	01 47 27.5	-1.1							
GTA	24.7	312	P	01 48 04.8	-3.8							
WMQ	34.8	312	P	01 49 36.5	-2.2							
1986 3 23												
O=02 04 58.8 ± 0.15s												
LAT=24.58 N ± 2.40km												
LONG=123.18 E ± 2.54km												
DEPTH= 63 km ± 1.35km												
STATIONS USED = 29, STAND DEV= 2.77s												
Ms=4.6/ 9,												
SSE	6.7	345	eP	02 06 33.0	-4.2							
			LG ₂	02 08 35.0	-5.7							
			LN	Ms=4.1	11.0	1.90						
GYA	15.0	281	P	02 08 34.2	5.0							
			S	02 11 16.0	3.2							
			LN	Ms=5.1	12.0	4.80						
			LE		12.0	1.50						
XAN	15.6	310	eP	02 08 33.0	-3.3							
			LG ₂	02 13 30.0	-3.1							
			LN	Ms=4.6	9.0	0.81						
			LE		10.0	0.84						
TIY	16.0	328	eP	02 08 45.5	4.2							
			LG ₁	02 13 30.0	9.3							

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			LE	Ms=4.3	12.0	0.82
BJI	16.5	341	(P)	02 08 51.5	3.8	
SNY	17.2	1	eP	02 08 57.4	0.9	
			eS	02 11 58.0	-5.5	
			LN	Ms=4.4	17.0	1.12
CD2	18.3	294	eP	02 09 08.0	-2.0	
			LE	Ms=5.1	8.0	2.47
HHC	18.9	332	eP	02 09 18.0	0.7	
CN2	19.3	5	eP	02 09 19.8	-1.3	
BTO	19.4	329	eP	02 09 23.0	0.2	
LZH	20.2	309	eP	02 09 30.0	-1.4	
			PMZ			1.5 0.070
MDJ	20.7	13	eP	02 09 36.0	0.1	
GTA	24.6	312	P	02 10 14.0	-1.1	
1986 3 23						
O=02 07 33.0 ± 0.21s						
LAT=24.49 N ± 2.55km						
LONG=123.07 E ± 3.36km						
DEPTH= 11 km ± 0.76km						
STATIONS USED = 28, STAND DEV = 3.21s						
Ms=4.8 / 15,						
QZN	13.4	249	eP	02 10 40.0	-6.4	
			S	02 13 15.0	-1.3	
			LN	Ms=4.4	13.0	0.90
			LE		10.0	1.00
DL2	14.4	355	eP	02 11 06.0	6.6	
			LN	Ms=4.9	13.0	3.10
			LE		10.0	1.42
XAN	15.6	311	eP	02 11 12.0	-2.5	
			LG ₂	02 16 06.0	-0.8	
			LN	Ms=5.1	9.0	2.00
			LE		10.0	3.20
TIY	16.0	328	eP	02 11 24.0	3.9	
			LE	Ms=4.4	10.0	0.81
BJI	16.6	341	P	02 11 25.0	-2.0	
SNY	17.3	1	eP	02 11 40.2	3.9	
			LN	Ms=4.8	14.0	2.06
			LE		14.0	1.05
HHC	18.9	332	eP	02 11 57.0	0.1	
			LN	Ms=4.8	11.0	1.40
			LE		11.0	0.89
CN2	19.4	5	eP	02 12 00.4	-1.2	
			eS	02 15 40.0	5.8	
			LN	Ms=4.9	12.0	2.00
BTO	19.4	329	eP	02 12 06.0	3.5	
			eS	02 15 34.0	-1.9	
			LN	Ms=4.7	12.0	1.30
			LE		12.0	0.80
LZH	20.2	309	eP	02 12 10.5	-0.5	

			PMZ			2.5 0.12
MDJ	20.8	13	eP	02 12 16.0	-0.9	
			LN	Ms=5.0	12.0	2.27
GTA	24.6	313	P	02 12 55.6	0.6	
			S	02 17 20.0	7.5	
			LE	Ms=5.3	10.0	3.05
1986 3 23						
O=02 53 12.9 ± 0.14s						
LAT=25.25 N ± 2.02km						
LONG=122.55 E ± 2.40km						
DEPTH= 33 km ± 1.05km						
STATIONS USED = 7, STAND DEV = 4.06s						
Ms=4.1 / 3,						
QZH	3.6	266	eP	02 54 12.0	4.2	
			LN	Ms=3.5	10.0	1.09
CD2	17.5	293	eP	02 57 16.7	0.3	
			LE	Ms=4.8	8.0	1.51
GTA	23.8	312	P	02 58 20.0	-3.6	
1986 3 23						
O=03 50 43.2 ± 0.09s						
LAT=28.52 N ± 1.57km						
LONG=130.14 E ± 1.62km						
DEPTH= 34 km ± 0.37km						
STATIONS USED = 68, STAND DEV = 1.76s						
Ms=4.9 / 16,						
NJ2	10.4	293	+P	03 53 13.6	0.8	
			LE	Ms=4.8	12.0	4.40
DL2	12.5	328	eP	03 53 41.0	-1.3	
			LN	Ms=4.9	14.0	4.10
			LE		14.0	3.64
TIA	13.4	308	eP	03 53 55.0	1.3	
			LN	Ms=4.7	12.0	0.86
			LE		12.0	2.51
SNY	14.3	340	eP	03 54 07.9	2.3	
			LN	Ms=5.0	12.0	3.99
			LE		13.0	2.95
CN2	15.7	347	eP	03 54 27.6	3.8	
BJI	16.3	319	eP	03 54 32.0	1.1	
			eS	03 57 33.0	3.2	
			LN	Ms=4.9	13.5	2.90
			LE		13.0	1.60
TIY	17.4	306	eP	03 54 46.6	1.2	
			PMZ			0.9 0.060
			LE	Ms=3.9	13.0	0.26
XAN	18.9	292	+iP	03 55 03.0	-1.3	
			eS	03 58 32.0	1.1	
			LN	Ms=4.6	13.0	0.86
			LE		12.0	1.00

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DEPTH = 38 km ± 1.25km				STATIONS USED = 63, STAND DEV = 2.46s				Ms = 5.1 / 29, ML = 4.2 / 2, mb = 5.7 / 2							
QZH	4.2	274	eP	10 38 28.0	-1.2			BTO	19.3	328	eS	10 45 16.0	-1.0		
			eS	10 39 21.5	4.2						LN		Ms = 5.1	12.5	3.50
			SMN		ML = 4.2	1.5	0.42				eP	10 41 50.0	-0.8		
			LN		Ms = 4.5	11.0	9.56	LZH	20.2	309	eS	10 45 18.0	-3.3		
SSE	6.6	345	eP	10 38 59.5	-3.6						LN		Ms = 5.1	10.0	1.50
			LG1	10 40 53.5	0.0						LE			12.0	3.40
			LG2	10 41 08.0	4.0						eP	10 42 00.5	0.6		
			LN		Ms = 4.8	8.0	2.12				PMZ			1.6	0.29
			LE			9.0	8.04				eS	10 45 46.0	6.5		
NJ2	8.3	333	+P	10 39 23.0	-3.1			MDJ	20.5	13	eP	10 42 03.5	-0.1		
			S	10 40 52.0	-6.7						S	10 45 42.0	-3.6		
			LE		Ms = 4.6	10.0	3.80				LN		Ms = 5.4	12.0	6.90
TIA	12.6	337	eP	10 40 33.3	7.8			GTA	24.6	312	P	10 42 43.2	-0.6		
			eS	10 42 47.5	2.1						LE		Ms = 5.3	11.0	3.37
			LN		Ms = 4.8	15.0	1.40	LSA	28.9	287	eP	10 43 26.0	2.0		
			LE			11.0	3.20	WMQ	34.7	312	eP	10 44 13.0	-1.1		
QZN	13.6	248	eP	10 40 39.0	0.0						eS	10 49 40.0	-0.4		
			eS	10 43 11.0	1.0						LN		Ms = 5.2	14.0	1.74
			LN		Ms = 4.7	10.5	1.70								
			LE			12.0	1.20								
DL2	14.2	355	eP	10 40 47.5	0.8										
			LN		Ms = 5.2	12.0	6.67								
			LE			12.0	3.10								
GYA	15.0	280	eP	10 40 56.4	-1.1										
			S	10 43 38.0	-4.7										
			LN		Ms = 5.1	9.0	3.50								
			LE			9.0	2.20								
XAN	15.5	310	eP	10 41 03.3	-0.6										
			LG2	10 45 50.0	-8.3										
			LN		Ms = 5.3	12.0	7.50								
			LE			12.0	4.00								
TIY	15.9	327	eP	10 41 09.6	1.1										
			LE		Ms = 5.1	11.0	4.96								
BJI	16.4	341	eP	10 41 14.0	-0.8										
SNY	17.1	1	eP	10 41 23.0	-0.4										
			SS	10 44 50.0	-1.2										
			LN		Ms = 5.0	14.0	2.83								
			LE			15.0	2.67								
CD2	18.3	294	eP	10 41 37.6	-0.8										
			(S)	10 44 55.0	-2.9										
			LE		Ms = 5.4	9.0	6.41								
KMI	18.6	276	+P	10 41 44.0	1.8										
HHC	18.8	332	P	10 41 45.0	0.0										
			eS	10 45 18.0	7.9										
			LN		Ms = 5.0	11.0	1.87								
			LE			11.0	1.55								
CN2	19.1	5	eP	10 41 48.0	-0.6										

1986 3 23				O = 10 42 19.4 ± 0.22s				LAT = 24.63 N ± 2.12km				LONG = 122.75 E ± 3.13km				DEPTH = 35 km ± 0.46km				STATIONS USED = 15, STAND DEV = 3.22s			
TIY	15.7	328	eP	10 45 54.2	-6.2																		
SNY	17.2	2	eP	10 46 24.4	6.0																		
CN2	19.3	6	eP	10 46 42.4	-1.5																		
LZH	19.9	309	eP	10 46 52.0	1.0																		
			PMZ											1.5	0.050								
GTA	24.3	313	P	10 47 35.6	0.3																		

1986 3 23				O = 10 54 40.5 ± 0.10s				LAT = 24.74 N ± 1.26km				LONG = 122.88 E ± 1.51km				DEPTH = 35 km ± 0.56km				STATIONS USED = 18, STAND DEV = 1.85s			
SSE	6.5	347	eP	10 56 14.5	-1.9																		
			LG2	10 58 16.0	0.9																		
			LN		Ms = 4.8	11.0	9.04																
			LE			11.0	4.48																
BJI	16.3	341	eP	10 58 33.0	4.9																		
			LN		Ms = 5.1	13.0	4.03																
			LE			17.0	3.36																
CD2	18.0	294	eP	10 58 50.4	0.6																		

		LE		Ms = 5.2	10.0	4.26
CN2	19.1	6	eP	10 59 05.2	1.6	
MDJ	20.6	14	eP	10 59 18.0	-1.1	
GTA	24.3	313	P	10 59 55.0	-1.5	
		LN		Ms = 5.2	12.0	3.01

1986 3 23
 O = 11 08 19.7 ± 0.13s
 LAT = 24.63 N ± 1.61km
 LONG = 123.25 E ± 1.97km
 DEPTH = 46 km ± 0.84km
 STATIONS USED = 38, STAND DEV = 2.92s
 Ms = 4.6 / 6,

GYA	15.1	280	P	11 11 56.6	4.9	
XAN	15.6	310	eP	11 11 54.0	-4.3	
			LG ₂	11 17 00.0	5.4	
			LN	Ms = 4.6	11.0	1.50
TIY	16.0	327	eP	11 12 06.3	3.2	
			LE	Ms = 4.5	10.0	0.93
BJI	16.5	341	P	11 12 12.0	2.7	
SNY	17.2	1	eP	11 12 20.0	2.2	
			LN	Ms = 4.7	14.0	1.30
			LE		13.0	1.48
CD2	18.3	294	eP	11 12 31.2	-1.3	
CN2	19.2	5	eP	11 12 41.6	-1.1	
BTO	19.4	328	eP	11 12 48.0	3.0	
LZH	20.2	309	eP	11 12 53.0	-1.0	
			PMZ		1.5	0.090
MDJ	20.6	13	eP	11 12 58.0	0.4	

1986 3 23
 O = 12 26 04.1 ± 0.08s
 LAT = 25.05 N ± 1.00km
 LONG = 122.77 E ± 1.26km
 DEPTH = 20 km ± 0.26km
 STATIONS USED = 12, STAND DEV = 2.09s
 Ms = 4.1 / 3,

QZH	3.8	269	ePn	12 27 06.0	4.0	
			eSn	12 27 55.8	7.9	
			LN	Ms = 3.7	10.0	1.75
XAN	15.0	310	eP	12 29 36.0	-1.2	
CD2	17.8	293	eP	12 30 11.5	-0.9	
			LE	Ms = 4.7	6.0	0.76
CN2	18.8	6	eP	12 30 25.4	-0.1	
MDJ	20.3	14	eP	12 30 40.0	-1.8	
GTA	24.0	312	P	12 31 20.0	0.6	

1986 3 23
 O = 13 15 54.0 ± 0.31s
 LAT = 25.11 N ± 2.75km

LONG = 123.74 E ± 2.80km
 DEPTH = 16 km
 STATIONS USED = 45, STAND DEV = 2.82s
 Ms = 4.6 / 15, M_L = 4.3 / 2,

QZH	4.7	269	ePg	13 17 18.0	1.4	
			eS *	13 18 11.0	1.2	
			SME	M _L = 4.1	1.2	0.28
			LN	Ms = 3.8	8.0	1.27
SSE	6.4	340	ePn	13 17 25.0	-2.7	
			LG ₂	13 19 31.0	6.8	
			LN	Ms = 4.4	9.0	2.79
			LE		10.0	2.11
NJ2	8.1	329	eP	13 17 50.4	-4.2	
			LN	Ms = 4.7	9.0	4.10
DL2	13.9	353	eP	13 19 16.0	3.4	
			LE	Ms = 4.5	12.0	1.69
GYA	15.4	279	P	13 19 37.6	4.2	
XAN	15.6	308	eP	13 19 32.5	-3.5	
			eLG ₁	13 24 10.0	4.5	
			LN	Ms = 4.7	9.0	1.20
			LE		9.0	1.00
TIY	15.8	325	eP	13 19 40.3	2.1	
			LE	Ms = 4.4	9.0	0.78
BJI	16.2	339	eP	13 19 42.5	-0.2	
SNY	16.7	360	eP	13 19 49.8	0.9	
			LN	Ms = 4.6	14.0	1.53
CD2	18.6	293	eP	13 20 11.1	-1.4	
			LE	Ms = 4.9	9.0	1.74
HHC	18.7	330	eP	13 20 12.2	-2.1	
			LN	Ms = 4.7	10.0	0.90
			LE		10.0	0.77
BTO	19.2	327	eP	13 20 20.0	-0.7	
MDJ	20.0	12	eP	13 20 31.2	1.7	
LZH	20.3	307	eP	13 20 30.5	-1.8	
			PMZ		2.0	0.060
GTA	24.7	311	P	13 21 13.7	-2.1	
			LE	Ms = 4.6	10.0	0.59
WMQ	34.7	312	eP	13 22 44.5	-1.6	

1986 3 23
 O = 13 30 27.9 ± 0.08s
 LAT = 47.57 N ± 2.36km
 LONG = 154.32 E ± 1.32km
 DEPTH = 44 km ± 0.28km
 STATIONS USED = 49, STAND DEV = 1.18s
 Ms = 5.0 / 2, m_B = 5.6 / 2

MDJ	17.4	269	eP	13 34 28.9	-0.2	
CN2	20.5	270	eP	13 35 02.0	-2.7	
SNY	22.5	267	eP	13 35 25.4	0.2	
			LN	Ms = 5.3	16.0	4.82

LAT=24.93 N ± 0.61km
 LONG=122.90 E ± 0.77km
 DEPTH= 7 km ± 0.18km
 STATIONS USED = 14, STAND DEV = 0.98s
 Ms=4.3/ 1,

BJI	16.1	341	(P)	14 37 25.0	-0.6		
			LN			Ms=4.3	11.0 0.70
CN2	18.9	6	eP	14 38 01.2	-0.1		
LZH	19.8	309	eP	14 38 10.0	-1.2		
			PMZ				2.0 0.060
MDJ	20.4	14	eP	14 38 18.0	0.6		
GTA	24.2	312	P	14 38 55.3	-0.3		

1986 3 23
 O=14 43 58.9 ± 0.16s
 LAT=24.63 N ± 2.78km
 LONG=123.10 E ± 2.63km
 DEPTH= 19 km ± 1.08km
 STATIONS USED = 56, STAND DEV = 2.78s
 Ms=4.9/ 23, m_B=5.5/ 2

QZH	4.1	275	Pn	14 45 01.5	0.4		
SSE	6.7	346	ePn	14 45 34.0	-2.2		
			LG ₂	14 47 36.0	-2.5		
			LN			Ms=4.7	9.0 6.86
NJ2	8.3	334	eP	14 46 03.6	2.5		
			LN			Ms=4.7	8.0 3.90
WHN	9.7	309	eP	14 46 19.0	-2.3		
QZN	13.5	248	eP	14 47 17.0	4.7		
			S	14 49 50.0	7.5		
			LN			Ms=4.6	11.0 1.70
DL2	14.3	355	eP	14 47 27.5	5.0		
			LN			Ms=5.0	10.0 2.82
			LE				10.0 2.27
GYA	14.9	280	P	14 47 36.6	5.3		
			S	14 50 22.0	5.4		
			LN			Ms=5.1	9.0 3.20
			LE				9.0 1.90
XAN	15.5	310	eP	14 47 35.0	-3.4		
			LG ₂	14 52 27.0	-3.2		
			LN			Ms=5.1	9.0 2.20
			LE				9.0 3.50
TIY	15.9	328	eP	14 47 48.0	4.4		
			LG ₂	14 52 35.0	-8.4		
			LN			Ms=4.7	9.0 1.35
BJI	16.4	341	eP	14 47 49.5	-0.8		
			eS	14 50 46.0	-5.8		
			LN			Ms=4.7	10.0 1.30
			LE				9.0 0.50
SNY	17.2	1	eP	14 48 03.2	3.8		
			LG ₂	14 53 20.0	-4.9		

			LE			Ms=4.7	17.0 2.56
KMI	18.5	276	+P	14 48 17.5	1.3		
HHC	18.8	332	+P	14 48 20.0	-0.4		
			LN			Ms=4.8	10.0 1.33
			LE				10.0 0.77
CN2	19.2	5	eP	14 48 24.3	-0.5		
BTO	19.3	329	eP	14 48 27.0	0.9		
			eS	14 51 55.0	-2.8		
			LN			Ms=4.8	12.0 0.90
			LE				12.0 1.30
MDJ	20.6	13	eP	14 48 39.5	-0.6		
			eS	14 52 18.0	-7.1		
			LN			Ms=5.0	12.0 2.80
GTA	24.5	312	+P	14 49 18.1	-0.9		
			LN			Ms=4.9	12.0 1.63
KSH	42.1	302	eP	14 51 52.8	0.6		

1986 3 23
 O=17 40 60.0 ± 0.23s
 LAT=24.99 N ± 3.33km
 LONG=123.72 E ± 3.62km
 DEPTH= 31 km ± 0.95km
 STATIONS USED = 21, STAND DEV = 3.94s
 Ms=4.4/ 3,

SSE	6.5	340	ePn	17 42 30.5	-3.2		
			LG ₁	17 44 16.5	-7.1		
			LN			Ms=4.0	8.0 1.27
NJ2	8.2	330	eP	17 43 01.0	0.8		
			LN				1.2 0.13
GYA	15.4	279	P	17 44 46.6	9.0		
XAN	15.7	308	eP	17 44 37.0	-3.9		
CD2	18.6	293	eP	17 45 14.6	-2.4		
HHC	18.8	330	eP	17 45 20.4	0.8		
CN2	18.8	4	eP	17 45 20.8	1.0		
LZH	20.3	308	eP	17 45 35.5	-1.3		
GTA	24.7	311	P	17 46 16.5	-3.8		

1986 3 23
 O=18 12 17.2 ± 0.27s
 LAT=24.69 N ± 4.07km
 LONG=122.11 E ± 3.39km
 DEPTH= 8 km ± 0.85km
 STATIONS USED = 16, STAND DEV = 5.05s
 Ms=4.8/ 2,

CD2	17.4	295	eP	18 16 24.0	2.0		
			LE			Ms=5.0	8.0 2.06
LZH	19.4	310	eP	18 16 45.0	-1.7		
MDJ	20.8	15	eP	18 17 08.0	6.3		
GTA	23.8	313	P	18 17 26.0	-6.2		
			LE			Ms=4.7	10.0 0.80

1986 3 23
O = 19 55 42.9 ± 0.13s
LAT = 24.75 N ± 1.61km
LONG = 122.97 E ± 1.80km
DEPTH = 57 km ± 0.64km
STATIONS USED = 28, STAND DEV = 1.92s
Ms = 4.7 / 12,

QZH	4.0	274	eP	19 56 46.0	2.8		
			LN	Ms = 4.0	12.0	3.69	
XAN	15.3	310	eP	19 59 15.0	-2.6		
			LG ₂	20 04 04.0	-5.1		
			LN	Ms = 4.8	12.0	2.20	
			LE		12.0	1.20	
SNY	17.0	2	eP	19 59 40.5	1.4		
			LN	Ms = 4.4	16.0	1.18	
CD2	18.1	294	eP	19 59 50.1	-1.7		
			LE	Ms = 4.9	7.0	1.37	
KMI	18.4	275	eP	19 59 55.0	-0.5		
HHC	18.7	332	eP	20 00 01.0	1.8		
			LN	Ms = 4.8	12.0	1.56	
			LE		12.0	0.80	
CN2	19.1	5	eP	20 00 04.5	0.3		
			(S)	20 03 37.0	5.9		
			LN	Ms = 4.6	12.5	1.10	
BTO	19.2	329	eP	20 00 08.0	3.1		
			LN	Ms = 4.7	13.0	0.90	
			LE		12.0	1.00	
LZH	20.0	309	eP	20 00 14.0	0.5		
			PMZ		2.0	1.09	
MDJ	20.5	14	eP	20 00 18.5	-0.9		
GTA	24.4	312	P	20 00 57.2	-0.2		
			LE	Ms = 4.8	11.5	1.13	
WMQ	34.5	312	P	20 02 27.5	-0.3		

1986 3 23
O = 20 21 33.3 ± 0.10s
LAT = 24.76 N ± 1.14km
LONG = 122.98 E ± 1.74km
DEPTH = 31 km ± 0.37km
STATIONS USED = 26, STAND DEV = 3.09s
Ms = 4.5 / 7,

SSE	6.5	346	ePn	20 23 07.5	0.2		
			LG ₂	20 25 10.5	2.6		
			LN	Ms = 4.1	11.0	1.81	
GYA	14.8	280	P	20 25 10.4	7.6		
XAN	15.3	310	eP	20 25 10.0	0.6		
			LN	Ms = 4.6	12.0	1.20	
			LE		11.0	0.90	
TIY	15.7	328	eP	20 25 21.5	6.9		

			LG ₂	20 30 21.0	8.7		
			LE	Ms = 4.3	10.0	0.69	
SNY	17.0	2	eP	20 25 34.8	3.9		
			LN	Ms = 4.4	13.0	0.95	
CD2	18.1	294	eP	20 25 45.1	1.2		
			LE	Ms = 4.7	8.0	0.96	
LZH	20.0	309	eP	20 26 06.5	0.4		
			PMZ		2.0	0.090	
MDJ	20.5	14	eP	20 26 11.5	-0.4		
GTA	24.4	312	P	20 26 50.0	-0.3		
			LE	Ms = 4.5	12.0	0.56	

1986 3 23
O = 21 58 45.6 ± 0.51s
LAT = 24.35 N ± 4.42km
LONG = 123.60 E ± 3.38km
DEPTH = 15 km
STATIONS USED = 22, STAND DEV = 2.26s
Ms = 4.1 / 5,

QZH	4.6	278	ePn	21 59 55.0	-0.1		
			eSn	22 00 51.0	0.7		
			LN	Ms = 4.0	8.0	1.83	
SSE	7.1	343	ePn	22 00 26.0	-2.8		
			LG ₂	22 02 29.0	-9.2		
			LN	Ms = 4.1	9.0	1.29	
TIY	16.4	327	eP	22 02 40.5	3.4		
			LG ₂	22 07 47.5	1.4		
			LE	Ms = 4.4	11.0	0.87	
BJI	16.8	340	(P)	22 02 41.5	-1.4		
SNY	17.4	360	eP	22 02 51.8	1.6		
			LN	Ms = 4.5	11.0	0.81	
			LE		13.0	0.71	
HHC	19.3	331	P	22 03 13.0	-0.1		
CN2	19.5	4	-P	22 03 16.6	1.7		
BTO	19.8	328	eP	22 03 20.0	1.1		
MDJ	20.8	12	eP	22 03 26.5	-2.8		
GTA	25.1	312	+P	22 04 10.6	-1.0		
			S	22 08 39.0	7.0		

1986 3 23
O = 22 09 45.8 ± 0.19s
LAT = 24.68 N ± 2.32km
LONG = 123.48 E ± 2.60km
DEPTH = 26 km ± 0.50km
STATIONS USED = 30, STAND DEV = 3.04s
Ms = 4.5 / 5,

QZH	4.4	274	(Pn)	22 11 02.5	10.5		
			Sn	22 11 54.2	9.4		
			LN	Ms = 3.7	12.0	1.69	
SSE	6.7	343	ePn	22 11 22.0	-1.1		

			LG ₂	22 13 34.0	6.9		
			LN	Ms=4.2	9.0	1.72	
DL2	14.3	354	eP	22 13 17.0	8.5		
GYA	15.3	280	P	22 13 26.4	4.6		
XAN	15.7	310	P	22 13 24.0	-3.7		
TIY	16.0	327	eP	22 13 36.0	4.3		
			LE		1.0	0.69	
BJI	16.5	340	eP	22 13 43.5	6.1		
CD2	18.5	294	eP	22 14 00.9	-1.6		
			LE	Ms=4.8	9.0	1.39	
KMI	18.8	276	eP	22 14 05.0	-1.5		
CN2	19.1	4	+P	22 14 10.8	0.7		
LZH	20.4	309	eP	22 14 22.5	-1.1		
			PMZ		2.0	0.090	
GTA	24.8	312	P	22 15 05.4	-1.8		
			LN	Ms=4.5	15.0	0.72	

1986 3 23

O=22 44 22.7 ± 0.07s
 LAT= 6.86 S ± 1.40km
 LONG=155.69 E ± 2.00km
 DEPTH= 70 km ± 1.01km
 STATIONS USED = 19, STAND DEV= 1.68s

GYA	57.9	307	P	22 54 12.2	1.5		
XAN	60.1	316	eP	22 54 22.0	-3.7		
GTA	69.1	317	P	22 55 24.5	0.2		
KSH	86.4	310	P	22 57 02.6	2.8		

1986 3 23

O=22 52 58.8 ± 0.17s
 LAT=24.34 N ± 2.13km
 LONG=121.19 E ± 2.85km
 DEPTH= 8 km ± 0.64km
 STATIONS USED = 10, STAND DEV= 3.40s
 Ms=4.5 / 1,

CD2	16.8	297	(P)	22 57 01.0	5.1		
HHC	18.3	336	P	22 57 11.8	-3.7		
LZH	19.0	312	eP	22 57 23.0	-0.6		
CN2	19.7	9	eP	22 57 35.2	3.3		
GTA	23.5	315	P	22 58 08.0	-2.2		
			LE	Ms=4.5	10.0	0.56	

1986 3 23

O=23 55 20.6 ± 0.12s
 LAT=24.63 N ± 1.49km
 LONG=123.61 E ± 1.52km
 DEPTH= 10 km ± 0.31km
 STATIONS USED = 20, STAND DEV= 2.10s
 Ms=4.1 / 3,

QZH	4.6	275	ePn	23 56 34.2	4.0		
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			Sn	23 57 23.9	-1.6		
			LN	Ms=3.5	10.0	0.88	
GYA	15.4	280	eP	23 59 03.0	2.9		
TIY	16.2	326	eP	23 59 13.0	3.2		
			LE	Ms=4.1	10.0	0.41	
BJI	16.6	340	eP	23 59 15.0	-0.2		
CD2	18.6	294	eP	23 59 36.3	-4.5		
HHC	19.1	331	P	23 59 45.6	-0.4		
CN2	19.2	4	eP	23 59 47.4	0.0		
BTO	19.6	328	eP	23 59 51.4	-0.5		
LZH	20.5	308	eP	24 00 00.5	-1.4		
MDJ	20.5	12	eP	24 00 02.0	-0.1		

1986 3 24

O=00 37 30.5 ± 0.10s
 LAT=24.81 N ± 1.32km
 LONG=122.94 E ± 1.27km
 DEPTH= 32 km ± 0.33km
 STATIONS USED = 13, STAND DEV= 1.72s
 Ms=4.7 / 3,

SSE	6.5	346	ePn	00 39 03.5	-0.2		
			LG ₁	00 41 00.0	6.9		
			LN	Ms=4.2	11.0	1.95	
			LE		10.0	1.47	
XAN	15.3	310	eP	00 41 05.2	-0.6		
			eLG ₂	00 46 00.0	5.4		
			LN	Ms=4.7	9.0	0.81	
			LE		10.0	1.26	
CD2	18.0	294	eP	00 41 40.8	0.5		
			LE	Ms=4.7	7.0	0.82	
CN2	19.1	6	eP	00 41 50.0	-3.1		
LZH	19.9	309	eP	00 42 04.0	1.4		
MDJ	20.5	14	eP	00 42 08.2	-0.4		
GTA	24.3	312	P	00 42 49.0	2.2		

1986 3 24

O=02 01 28.2 ± 0.09s
 LAT=28.57 N ± 1.54km
 LONG=130.11 E ± 1.55km
 DEPTH= 27 km ± 0.37km
 STATIONS USED = 91, STAND DEV= 1.76s
 Ms=6.3 / 38, m_B=6.1 / 21

SSE	8.1	290	+iP	02 03 29.0	1.3		
			PMZ		1.0	0.53	
			sP	02 03 39.0	0.6		
			S	02 05 02.0	2.4		
			LN	Ms=6.2	14.0	91.3	
			LE		14.0	220	
NJ2	10.3	292	-P	02 03 59.0	1.1		
			S	02 05 55.0	1.5		

			LE		Ms = 6.6	15.0	431				SMN		m _B = 5.8	12.0	5.10
QZH	10.9	253	-iP	02 04 09.0		3.1					SME			10.0	4.30
			PMZ		m _B = 6.2	6.0	3.15	TIY	17.4	306	+iP	02 05 22.5		-8.1	
			PP	02 04 22.0		7.8					PMZ			0.8	2.59
			S	02 06 16.0		8.2					sP	02 05 45.0		3.5	
			SMN		m _B = 5.5	11.0	5.39				PP	02 05 49.0		4.3	
			LN		Ms = 6.0	15.0	78.8				S	02 08 47.0		6.3	
			LE			15.0	50.3				SMN		m _B = 5.3	7.0	1.04
DL2	12.5	328	+iP	02 04 28.0		0.8					sS	02 08 56.0		4.0	
			PMZ		m _B = 6.8	5.0	10.1				LN		Ms = 6.8	13.0	132
			sP	02 04 41.0		3.1					LE			13.0	169
			S	02 06 50.0		4.0		XAN	18.9	292	+iP	02 05 49.0		-0.6	
			LN		Ms = 6.5	14.0	132				PMZ		m _B = 6.2	7.0	8.50
			LE			14.0	139				sP	02 06 01.0		0.5	
TIA	13.3	308	P	02 04 40.0		1.3					S	02 09 18.0		2.6	
			PMZ		m _B = 6.7	7.0	9.62				SMN			13.0	10.1
			sP	02 04 52.0		2.5					LN		Ms = 6.1	12.0	26.0
			S	02 07 07.0		0.2					LE			12.0	27.5
			SMN		m _B = 5.1	8.0	0.70	HHC	19.5	314	+P	02 05 55.5		-1.1	
			SME			8.0	0.95				PMZ		m _B = 5.7	8.0	3.32
			SS	02 07 22.0		-0.3					S	02 09 25.5		-3.8	
			LN		Ms = 6.6	15.0	48.6				LN		Ms = 6.5	15.0	67.1
			LE			8.0	148				LE			14.0	69.4
WHN	13.9	282	P	02 04 46.0		0.6		BTO	20.4	311	-iP	02 06 06.4		0.4	
			PMZ		m _B = 6.1	8.0	2.65				PMZ		m _B = 5.6	8.0	2.20
			sP	02 04 58.0		1.8					PP	02 06 24.0		-2.0	
			PP	02 05 01.0		4.6					S	02 09 46.5		-1.1	
			S	02 07 27.0		8.0					SS	02 10 15.0		-2.2	
			LN		Ms = 6.1	14.0	79.0				LZ		Ms = 6.4	14.0	73.0
SNY	14.3	340	+iP	02 04 53.0		2.4		QZN	20.8	247	+iP	02 06 10.0		-0.3	
			S	02 07 34.0		5.6					PP	02 06 32.5		0.4	
			LN		Ms = 6.4	10.0	77.8				S	02 09 55.0		-0.7	
			LE			10.0	49.4				sS	02 10 10.0		1.6	
CN2	15.6	347	+iP	02 05 10.0		1.2					SS	02 10 32.0		4.7	
			PMZ		m _B = 6.3	6.0	8.00				LN		Ms = 6.2	17.0	42.7
			eS	02 08 04.0		2.2					LE			17.0	37.7
			SME		m _B = 6.1	8.0	9.20	GYA	20.9	270	+P	02 06 10.6		-0.8	
			LN		Ms = 6.2	12.0	62.0				sP	02 06 22.0		-0.8	
MDJ	16.0	359	-P	02 05 15.7		2.1					PP	02 06 32.0		-1.3	
			pP	02 05 23.0		2.9					S	02 09 56.4		-1.0	
			sP	02 05 27.0		2.5					LN		Ms = 6.6	13.0	69.3
			PP	02 05 30.0		3.8					LE			13.0	66.5
			S	02 08 16.0		6.3		CD2	23.0	282	eP	02 06 30.6		-1.6	
			SMN		m _B = 6.0	8.0	6.50				S	02 10 39.0		3.1	
			LN		Ms = 6.1	12.0	47.1				SME		m _B = 6.1	9.0	5.57
GZH	16.0	254	+P	02 05 14.0		0.1					LE		Ms = 6.6	12.0	83.1
			LN		Ms = 5.8	22.0	43.9	LZH	23.4	295	+iP	02 06 35.4		-0.7	
			LE			25.0	24.3				PMZ			2.0	1.12
BJI	16.2	319	+P	02 05 17.5		1.6					PP	02 07 00.0		-6.9	
			PP	02 05 32.0		3.2					S	02 10 42.0		-0.9	

				Ms = 6.0 / 34, ML = 4.6 / 3, mB = 5.9 / 4			
		SME	15.0 13.1	QZH	3.9 272	cPn	02 34 54.5 -1.0
		LN	Ms = 6.6 11.0 32.0			Sn	02 35 47.6 5.2
		LE	12.0 62.6			SMN	ML = 4.8 1.4 3.46
KMI	24.6 268	+P	02 06 48.0 -0.4			SME	1.4 1.27
		PMZ	mB = 5.8 7.0 2.40			LN	Ms = 5.0 8.0 26.1
		pP	02 06 58.0 1.9	SSE	6.3 347	ePn	02 35 29.5 -0.1
		PP	02 07 27.0 3.0			LG1	02 37 12.0 -3.8
		S	02 11 08.0 3.4			LG2	02 37 24.0 -1.8
		LN	Ms = 6.4 12.0 43.5			LN	Ms = 5.7 12.0 63.3
GTA	27.2 301	+iP	02 07 10.0 -2.5			LE	12.0 61.1
		PMZ	17.0 3.15	NJ2	7.9 335	ePn	02 35 51.0 -0.6
		eS	02 11 42.5 -6.0			Sn	02 37 20.2 -3.3
		SME	22.0 14.8			LE	1.6 1.10
		LE	Ms = 6.7 14.0 83.9	GZH	8.9 260	eP	02 36 10.3 3.3
LSA	33.9 282	+P	02 08 11.0 -1.3			S	02 37 51.8 4.5
		PcP	02 10 54.0 4.7			LN	Ms = 5.8 12.0 60.9
		S	02 13 37.0 3.7			LE	13.0 16.6
		LN	Ms = 6.2 15.0 19.7	WHN	9.4 309	+P	02 36 10.5 -3.7
WMQ	37.0 306	P	02 08 36.5 -1.7			LG1	02 38 54.5 3.0
		PP	02 10 12.0 7.7			LN	Ms = 5.6 12.0 14.6
		S	02 14 24.0 3.0			LE	10.0 27.2
		LE	Ms = 6.5 25.0 62.4	TIA	12.3 338	eP	02 36 53.7 -0.3
KSH	45.6 299	eP	02 09 49.0 0.7			eLG2	02 40 43.4 1.1
		eS	02 16 26.0 -2.6	QZN	13.4 247	eP	02 37 09.0 0.4
		LE	Ms = 6.8 13.0 42.6			eS	02 39 34.0 -4.2
						LN	Ms = 5.7 12.0 23.0
						LE	11.0 14.1
				DL2	14.0 356	eP	02 37 17.0 0.4
						eS	02 39 50.0 -2.7
						LN	Ms = 6.0 10.0 33.8
						LE	10.0 17.0
				GYA	14.7 280	eP	02 37 24.2 -1.3
						S	02 40 01.4 -6.6
						LN	Ms = 5.9 10.0 25.3
						LE	10.0 17.8
				XAN	15.2 310	P	02 37 29.8 -1.9
						PP	02 37 38.0 -5.3
						LN	Ms = 6.3 11.0 67.6
						LE	11.0 36.0
				TIY	15.6 328	eP	02 37 42.0 5.1
						LG2	02 42 31.5 1.9
						LE	Ms = 6.3 11.0 76.2
				BJI	16.1 341	eP	02 37 44.0 0.1
						(S)	02 40 33.0 -9.1
						LN	Ms = 5.8 10.0 21.4
				SNY	16.9 2	+P	02 37 54.0 0.0
						PMZ	mB = 6.0 10.0 6.90
						eS	02 40 56.0 -4.5
						LN	Ms = 6.0 9.0 23.7

1986 3 24

O = 02 23 24.5 ± 0.08s

LAT = 7.26 S ± 1.39km

LONG = 120.34 E ± 2.01km

DEPTH = 413 km ± 0.20km

STATIONS USED = 31, STAND DEV = 1.58s

QZN	28.1 339	eP	02 28 41.6 -1.0
		pP	02 29 57.8 2.2
GYA	36.0 339	P	02 29 51.6 0.9
CD2	41.1 338	eP	02 30 33.1 0.7
XAN	42.5 346	+P	02 30 42.8 -0.3
DL2	45.9 1	P	02 31 10.0 -0.4
LSA	46.2 324	+iP	02 31 12.8 -0.3
BJI	47.2 356	eP	02 31 20.0 -0.2
SNY	48.9 3	eP	02 31 32.8 -0.5
MDJ	52.3 8	eP	02 31 57.3 -1.0
WMQ	58.8 333	P	02 32 44.0 0.1

1986 3 24

O = 02 33 56.4 ± 0.16s

LAT = 24.90 N ± 2.10km

LONG = 122.84 E ± 2.23km

DEPTH = 18 km ± 0.47km

STATIONS USED = 68, STAND DEV = 2.50s

CD2	18.6	293	eP	03 26 24.4	-2.8		
			LE			Ms=5.5	8.0 5.83
CN2	19.0	4	eP	03 26 30.0	-1.6		
MDJ	20.3	12	eP	03 26 47.0	0.8		
LZH	20.4	308	+P	03 26 45.5	-1.8		
			S	03 30 33.0	5.1		
			LN			Ms=5.9	13.0 23.9
GTA	24.8	312	P	03 27 28.6	-2.1		
			LE			Ms=4.9	13.0 1.59

LAT=24.26 N		± 1.77km					
LONG=122.07 E		± 0.79km					
DEPTH= 52 km		± 1.89km					
STATIONS USED = 8, STAND DEV = 4.58s							
M _L =3.4 / 1,							
QZH	3.2	283	eP	05 27 58.5	5.9		
			SME			M _L =3.4	1.4 0.12
XAN	15.1	313	eP	05 30 31.0	-3.0		
CD2	17.5	296	eP	05 31 04.6	-0.7		
GTA	24.1	314	P	05 32 18.0	2.9		

1986 3 24

O=03 49 59.6 ± 0.16s
 LAT=29.24 N ± 2.48km
 LONG=129.52 E ± 2.50km
 DEPTH= 38 km ± 0.49km
 STATIONS USED = 50, STAND DEV = 3.23s
 Ms=4.7 / 7,

NJ2	9.6	290	eP	03 52 16.0	-2.5		
			S	03 53 56.5	-9.3		
			LE			Ms=4.6	12.0 3.30
SNY	13.5	341	eP	03 53 14.8	4.2		
			eS	03 55 40.0	0.4		
			LE			Ms=4.8	12.0 3.18
CN2	14.9	348	-P	03 53 33.3	3.8		
			LN			Ms=4.8	11.0 2.60
MDJ	15.4	0	eP	03 53 35.0	-0.4		
BJI	15.4	318	eP	03 53 38.0	2.5		
TIY	16.6	305	P	03 53 54.0	3.2		
			LE			Ms=4.6	11.0 1.24
XAN	18.2	291	eP	03 54 03.6	-7.4		
HHC	18.7	313	+P	03 54 17.0	-0.2		
			S	03 57 33.0	-7.0		
			LN			Ms=4.7	10.0 0.71
			LE				10.0 1.15
BTO	19.6	311	eP	03 54 26.0	-1.3		
GYA	20.4	268	P	03 54 35.6	-0.6		
QZN	20.6	245	eP	03 54 32.0	-6.3		
			LN			Ms=4.6	10.0 0.80
			LE				12.0 0.50
LZH	22.6	294	eP	03 54 58.0	-0.8		
KMI	24.2	267	eP	03 55 13.0	-0.7		
GTA	26.4	300	P	03 55 32.3	-3.1		
			S	03 59 57.0	-6.5		
			LE			Ms=4.8	13.0 1.11
LSA	33.3	280	+P	03 56 34.6	-2.2		
WMQ	36.2	305	P	03 56 59.3	-2.1		
KSH	44.8	298	eP	03 58 18.0	5.9		

1986 3 24

O=05 27 02.8 ± 0.14s

1986 3 24

O=07 11 42.2 ± 0.19s
 LAT=24.81 N ± 2.50km
 LONG=123.43 E ± 2.80km
 DEPTH= 15 km ± 0.69km
 STATIONS USED = 40, STAND DEV = 3.46s
 Ms=4.8 / 13,

QZH	4.4	273	ePn	07 12 42.8	-6.1		
			eSn	07 13 32.5	-9.4		
			LN			Ms=4.2	10.0 3.50
			LE				10.0 2.41
SSE	6.6	343	ePn	07 13 17.5	-1.2		
			LG ₁	07 15 01.0	-7.6		
			LG ₂	07 15 12.0	-7.0		
			LN			Ms=4.4	8.0 1.27
			LE				8.0 2.66
GYA	15.2	280	P	07 15 21.6	2.9		
XAN	15.6	309	eP	07 15 20.6	-3.3		
			pP	07 15 26.0	-2.8		
			LG ₁	07 19 56.0	3.2		
			LN			Ms=5.0	12.0 3.75
			LE				12.0 1.75
TIY	15.9	327	eP	07 15 33.0	5.3		
			LG ₁	07 20 09.0	6.9		
			LE			Ms=4.8	11.0 2.48
BJI	16.4	340	eP	07 15 33.0	-0.3		
SNY	17.0	0	eP	07 15 39.2	-1.9		
			LE			Ms=4.6	11.0 1.32
HHC	18.8	331	P	07 16 05.0	0.9		
			LN			Ms=4.5	12.0 0.54
			LE				12.0 0.80
CN2	19.0	4	eP	07 16 06.5	0.1		
BTO	19.3	328	eP	07 16 11.5	1.4		
LZH	20.2	308	eP	07 16 19.0	-1.3		
			PMZ				2.0 0.21
			LN			Ms=5.4	22.0 12.5
MDJ	20.4	13	eP	07 16 22.7	1.1		
GTA	24.6	312	P	07 17 03.4	-0.6		
			S	07 21 31.0	9.6		

DEPTH = 69 km ± 4.56km
STATIONS USED = 23, STAND DEV = 2.58s

TIA	123.1	333	ePKP	10 52 47.6	0.1
GTA	125.7	349	+iPKP	10 52 53.0	0.4
LZH	128.0	344	+PKP	10 52 58.5	1.4
XAN	128.3	338	+PKP	10 52 58.4	0.8
CD2	132.9	342	ePKP	10 53 08.1	1.8
GYA	136.0	336	PKP	10 53 13.6	1.5
LSA	136.3	357	+PKP	10 53 13.2	0.1

1986 3 24
O = 11 16 49.5 ± 0.11s
LAT = 28.79 N ± 3.30km
LONG = 141.08 E ± 6.92km
DEPTH = 40 km ± 3.47km
STATIONS USED = 17, STAND DEV = 2.02s
Ms = 4.4 / 8, m_B = 5.5 / 5

DL2	19.0	307	P	11 21 11.0	0.0
			eS	11 24 38.0	0.2
			LN	Ms = 4.6	9.0 0.81
SNY	19.3	317	eP	11 21 16.0	2.2
			eS	11 24 47.0	3.5
			LE	Ms = 4.3	10.0 0.49
NJ2	19.4	285	+P	11 21 15.0	-0.6
			PMZ	m _B = 5.7	5.0 1.80
			S	11 24 52.0	5.5
			LN	Ms = 4.8	10.0 1.40
CN2	19.5	324	+P	11 21 13.0	-3.6
			PMZ	m _B = 5.3	4.0 0.60
			eS	11 24 41.0	-8.4
			LN	Ms = 4.5	10.0 0.80
TIA	21.5	296	eP	11 21 34.5	-2.6
			PMZ	m _B = 5.5	6.0 1.46
			eS	11 25 29.0	1.1
			SMN	m _B = 5.5	6.0 0.41
			SME		5.0 0.68
			LE	Ms = 4.3	10.0 0.37
BJI	23.3	305	eP	11 21 53.5	-1.8
TIY	25.5	298	eP	11 22 16.5	0.4
			PMZ	m _B = 5.9	5.0 1.52
			S	11 26 40.5	3.3
			sS	11 26 55.0	-0.1
			LE	Ms = 4.3	12.0 0.34
XAN	27.9	289	eP	11 22 37.5	-0.6
BTO	28.0	303	eP	11 22 38.0	-1.2
CD2	32.3	283	eP	11 23 19.7	1.9
GTA	35.5	298	P	11 23 44.5	-0.6
WMQ	44.8	304	P	11 25 03.7	1.8

1986 3 24

O = 11 45 29.4 ± 0.10s
LAT = 23.92 N ± 1.53km
LONG = 122.96 E ± 1.19km
DEPTH = 45 km ± 0.79km
STATIONS USED = 25, STAND DEV = 2.83s
Ms = 4.4 / 9,

QZH	4.1	285	eP	11 46 32.5	1.0
			S	11 47 21.4	3.4
			LN	Ms = 4.1	10.0 3.72
			LE		10.0 1.85
SSE	7.3	348	eP	11 47 08.0	-8.6
			LE	Ms = 4.4	14.0 3.90
NJ2	8.9	337	eP	11 47 32.0	-6.1
			LE	Ms = 4.4	10.0 2.00
QZN	13.1	251	eP	11 48 35.4	-0.6
			S	11 51 05.0	4.4
			LN	Ms = 4.4	16.0 1.60
			LE		12.0 0.60
TIY	16.4	329	eP	11 49 20.8	2.0
			LG ₂	11 54 33.5	1.6
			LN	Ms = 4.5	11.0 0.39
			LE		12.0 0.96
BJI	17.1	342	eP	11 49 29.5	3.0
			eS	11 52 42.0	9.0
			LE	Ms = 4.2	13.0 0.60
HHC	19.4	333	eP	11 49 57.0	2.1
			LN	Ms = 4.5	11.0 0.53
			LE		10.0 0.48
CN2	19.9	5	eP	11 50 03.2	2.6
LZH	20.5	311	-P	11 50 07.0	0.5
MDJ	21.3	13	eP	11 50 13.4	-1.7
GTA	24.9	314	P	11 50 50.4	0.0
			LN	Ms = 4.8	11.0 1.00

1986 3 24
O = 15 30 52.8 ± 0.08s
LAT = 44.00 N ± 2.56km
LONG = 146.74 E ± 1.66km
DEPTH = 81 km ± 1.01km
STATIONS USED = 35, STAND DEV = 1.80s

MDJ	12.3	279	eP	15 33 47.8	1.2
CN2	15.3	277	eP	15 34 24.4	-1.8
SNY	17.1	271	+P	15 34 49.5	1.4
DL2	19.5	264	eP	15 35 14.0	-1.8
BJI	23.0	271	eP	15 35 50.5	-0.8
NJ2	24.9	251	+P	15 36 10.4	0.8
HHC	26.0	275	-P	15 36 21.0	0.3
TIY	26.6	268	eP	15 36 25.5	0.0
BTO	27.2	276	eP	15 36 32.0	0.4
LZH	33.5	271	-iP	15 37 26.5	-0.3

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CD2	36.1	264	eP	15 37 49.3	-0.2
GYA	36.7	255	P	15 37 53.4	-0.8
			S	15 43 27.6	-2.8
KMI	40.3	257	eP	15 38 24.5	0.3
WMQ	41.7	291	+P	15 38 36.4	0.5

1986 3 24

O = 15 36 25.8 ± 0.20s
 LAT = 24.70 N ± 2.53km
 LONG = 123.52 E ± 3.02km
 DEPTH = 36 km ± 0.44km
 STATIONS USED = 45, STAND DEV = 3.36s
 Ms = 5.2 / 21, m_B = 5.4 / 3

QZH	4.5	274	e(P)	15 37 44.0	10.8	
SSE	6.7	343	eP	15 37 58.5	-5.9	
			LG ₁	15 39 56.3	0.1	
			LN	Ms=4.9	11.0 9.51	
			LE		11.0 5.82	
QZN	13.9	249	eP	15 39 43.0	0.3	
			eS	15 42 23.0	6.3	
			SS	15 42 41.0	8.4	
			LN	Ms=4.6	9.0 1.00	
GYA	15.3	280	eP	15 40 06.4	5.0	
			XAN	15.8	310	eP
TIY	16.1	327	+P	LG ₁	15 44 50.0	9.4
				LN	Ms=5.2	12.0 5.00
			LN	Ms=4.9	12.0 1.08	
				LE		12.0 2.75
BJI	16.5	340	eP	15 40 15.0	-1.3	
			LN	Ms=4.9	11.5 2.90	
SNY	17.1	0	eP	15 40 24.0	0.3	
			S	15 43 25.0	-5.5	
			LN	Ms=5.2	12.0 5.33	
CD2	18.5	294	eP	15 40 40.0	-1.8	
			eS	15 44 04.0	-0.2	
			LE	Ms=5.6	8.0 7.27	
KMI	18.9	276	eP	15 40 46.0	0.0	
			sP	15 40 59.0	0.5	
			LE	Ms=5.2	10.0 4.10	
CN2	19.1	4	eP	15 40 42.0	-6.8	
BTO	19.5	328	eP	15 40 54.0	1.2	
LZH	20.4	308	eP	15 41 00.5	-2.1	
			SMN	m _B = 5.7	6.0 1.50	
			LN	Ms = 5.0	11.0 2.19	
			LE		12.0 1.25	
MDJ	20.5	12	eP	15 41 03.7	0.3	

			pP	15 41 08.0	-4.3
			S'	15 44 44.0	-1.3
			LN	Ms = 5.7	12.0 12.2
GTA	24.8	312	P	15 41 44.0	-2.2
			S	15 46 02.5	-0.2
			LE	Ms = 5.5	11.0 5.38
WMQ	34.9	312	P	15 43 14.0	-2.3

1986 3 24

O = 16 42 10.9 ± 0.07s
 LAT = 18.07 S ± 0.60km
 LONG = 177.99 W ± 0.56km
 DEPTH = 602 km ± 0.80km
 STATIONS USED = 15, STAND DEV = 0.83s

MDJ	78.5	325	eP	16 53 12.8	-0.3
CN2	80.4	322	eP	16 53 22.0	-0.7
BJI	84.2	315	eP	16 53 42.0	0.3
XAN	86.7	307	+P	16 53 55.0	1.2

1986 3 24

O = 18 10 30.5 ± 0.19s
 LAT = 24.79 N ± 2.34km
 LONG = 123.62 E ± 2.70km
 DEPTH = 35 km ± 0.52km
 STATIONS USED = 41, STAND DEV = 3.30s
 Ms = 4.5 / 9,

QZH	4.6	273	eP	18 11 45.0	5.9
SSE	6.6	342	eP	18 12 01.5	-6.8
			LG ₂	18 14 04.0	-5.4
			LN	Ms=4.2	11.0 2.38
DL2	14.2	354	eP	18 13 59.0	8.0
			LN	Ms=4.5	11.0 1.21
			LE		12.0 0.88
GYA	15.4	280	eP	18 14 10.8	3.8
			S	18 16 53.4	-2.6
XAN	15.8	309	eP	18 14 08.0	-3.8
			LN	Ms=4.6	10.0 0.84
			LE		10.0 0.84
TIY	16.0	326	eP	18 14 23.6	8.4
			LE	Ms=4.3	12.0 0.69
BJI	16.4	339	eP	18 14 20.0	-0.3
SNY	17.0	360	eP	18 14 28.4	1.1
			LN	Ms=4.6	12.0 1.28
CD2	18.6	294	eP	18 14 44.0	-3.1
			LE	Ms=5.0	8.0 2.06
HHC	18.9	331	-P	18 14 51.0	-0.3
			LN	Ms=4.5	12.0 0.86
			LE		12.0 0.55
CN2	19.0	4	+P	18 14 52.8	0.3
BTO	19.4	327	eP	18 14 56.6	-0.6

MDJ	20.4	12	eP	18 15 09.0	2.0		
LZH	20.4	308	eP	18 15 06.0	-1.5		
			PMZ			2.0	1.47
GTA	24.8	312	P	18 15 48.2	-2.8		
			LE	Ms=4.5		13.0	0.61
WMQ	34.9	312	P	18 17 19.0	-2.1		

1986 3 24

O=19 11 06.3 ± 0.15s
 LAT=14.03 N ± 3.15km
 LONG= 51.69 E ± 2.07km
 DEPTH= 10 km ± 0.23km
 STATIONS USED = 1., STAND DEV = 2.60s

WMQ	42.7	39	P	19 19 07.5	1.5		
KMI	49.1	69	+P	19 19 56.0	-0.6		
CD2	50.5	61	eP	19 20 12.2	4.9		
GYA	52.7	67	P	19 20 26.0	2.1		
XAN	55.2	58	eP	19 20 36.0	-6.4		
TIY	58.5	54	P	19 21 04.6	-1.0		
CN2	68.7	48	eP	19 22 11.6	-1.5		

1986 3 24

O=19 31 39.0 ± 0.07s
 LAT= 2.47 S ± 1.25km
 LONG=138.67 E ± 1.51km
 DEPTH= 29 km ± 0.07km
 STATIONS USED = 85, STAND DEV = 1.16s
 Ms=6.7/38, m_B=6.7/19

QZH	33.5	326	-P	19 38 19.0	0.5		
			PMZ	m _B =6.8		6.0	8.61
			PP	19 39 38.0	7.7		
			S	19 43 38.0	1.1		
			LN	Ms=6.7		20.0	72.9
			LE			20.0	41.8
GZH	35.4	317	+P	19 38 35.5	0.5		
			PMZ	m _B =6.5		8.0	7.32
			S	19 44 16.0	9.3		
			SMN			16.0	28.3
			SME			17.0	28.8
			LN	Ms=6.7		16.0	63.7
			LE			16.0	34.0
QZN	35.5	308	+iP	19 38 35.5	-0.2		
			pP	19 38 42.5	-1.7		
			sP	19 38 47.5	-0.3		
			PP	19 39 54.0	-1.7		
			PPMZ			9.5	15.6
			iS	19 44 12.5	3.8		
			sS	19 44 27.0	4.3		
			SS	19 46 37.0	9.7		
			LN	Ms=6.7		17.0	53.4

			LE			18.0	43.4
SSE	37.3	335	P	19 38 50.5	-0.4		
			pP	19 38 59.0	-0.4		
			PP	19 40 20.0	1.7		
			S	19 44 40.0	4.5		
			sS	19 44 52.0	1.4		
			PcS	19 44 57.0	0.1		
			SS	19 47 07.0	-0.7		
			LN	Ms=6.7		17.0	46.5
			LE			16.0	36.0
NJ2	39.1	333	+P	19 39 06.0	-0.3		
			S	19 45 07.5	4.0		
			SMN	m _B =6.7		11.0	16.0
			LN	Ms=6.9		15.0	83.0
WHN	40.2	327	+P	19 39 16.2	1.2		
			PMZ	m _B =6.9		5.0	11.0
			pP	19 39 25.0	1.4		
			PcP	19 41 16.0	-2.8		
			iS	19 45 27.0	6.7		
			SME	m _B =7.0		12.0	30.1
			LN	Ms=6.7		17.0	42.3
			LE			16.0	38.2
GYA	42.2	315	+P	19 39 33.0	1.1		
			pP	19 39 43.0	2.7		
			PP	19 41 07.0	-5.7		
			S	19 45 44.6	-4.8		
			LN	Ms=6.8		19.0	67.6
			LE			19.0	37.0
TIA	43.4	334	eP	19 39 39.6	-1.9		
			PMZ	m _B =6.4		6.0	3.71
			pP	19 39 48.5	-1.6		
			sP	19 39 54.0	0.2		
			eS	19 46 09.0	1.2		
			SMN	m _B =6.2		10.0	2.70
			SME			11.0	2.73
			LN	Ms=6.6		17.0	26.1
			LE			17.0	31.0
DL2	44.1	341	P	19 39 46.0	-0.7		
			pP	19 39 55.0	-0.4		
			eS	19 46 12.0	-5.2		
			LN	Ms=6.6		20.0	35.4
			LE			13.0	18.0
KMI	44.3	310	+P	19 39 50.0	0.9		
			pP	19 39 59.0	1.5		
			S	19 46 19.0	-1.1		
			LN	Ms=6.7		18.0	47.5
XAN	45.9	325	+iP	19 40 00.6	-0.5		
			PMZ	m _B =6.8		6.0	7.88
			cpP	19 40 09.0	-0.7		
			PP	19 41 50.0	1.6		

			S	19 46 44.0	2.1				pP	19 40 44.0	0.4		
			SMN		14.0	23.4			sP	19 40 48.0	0.8		
			SME		14.0	27.1			PP	19 42 29.0	-1.6		
			LN	Ms=6.7	16.0	28.1			iS	19 47 38.0	-6.6		
			LE		16.0	31.0			SMN	m _B =6.7	10.0	6.40	
SNY	46.2	344	eP	19 40 02.8	-0.7				SME		10.0	9.30	
			PMZ	m _B =6.3	6.0	2.94			LN	Ms=6.9	18.0	61.4	
			pP	19 40 12.0	-0.2				LE		19.0	32.6	
			PP	19 41 51.0	-0.5			LZH	50.3	323	+iP	19 40 36.0	0.4
			PcS	19 45 31.4	-0.6				PMZ		2.0	1.16	
			LN	Ms=6.7	15.0	43.6			pP	19 40 45.0	1.0		
			LE		13.0	9.29			PP	19 42 32.0	1.0		
TIY	46.8	331	eP	19 40 07.5	-1.0				S	19 47 39.0	-5.0		
			PMZ	m _B =6.8	6.0	7.84			SME		16.0	32.6	
			S	19 46 55.5	0.3				LN	Ms=6.8	18.0	43.8	
			LN	Ms=6.2	18.0	13.2			LE		21.0	44.5	
			LE		15.0	3.75		GTA	54.9	324	+iP	19 41 09.6	-0.2
CD2	47.0	318	eP	19 40 10.8	0.9				iS	19 48 52.8	4.8		
			pP	19 40 20.3	1.8				SME		26.0	20.9	
			S	19 47 02.0	4.1				LE	Ms=6.4	12.0	13.7	
			LE	Ms=6.7	16.0	43.0		LSA	55.5	309	+P	19 41 14.0	-1.0
BJI	47.1	336	eP	19 40 09.5	-1.0				pP	19 41 23.0	-0.3		
			epP	19 40 19.5	0.4				iS	19 49 01.5	3.8		
			S	19 47 00.0	1.0				SMN	m _B =6.4	11.0	5.74	
			esS	19 47 15.0	0.7				LN	Ms=6.5	18.0	15.1	
			SMN	m _B =6.6	9.0	8.40			LE		17.0	15.9	
			LN	Ms=6.7	17.0	44.7		WMQ	64.8	322	+iP	19 42 18.0	-0.1
CN2	47.6	347	+iP	19 40 17.0	2.5				S	19 51 00.0	5.5		
			PMZ	m _B =6.7	6.0	6.00			LN	Ms=6.8	24.0	50.5	
			pP	19 40 23.0	-0.1			KSH	70.9	313	eP	19 42 59.4	3.3
			eS	19 47 07.0	-0.3				LE	Ms=7.0	17.0	42.8	
			SMN	m _B =6.8	12.0	12.0							
			SME		12.0	12.0							
			eSS	19 50 27.0	-1.6								
MDJ	47.6	351	+P	19 40 13.5	-1.1								
			pP	19 40 23.0	-0.2								
			sP	19 40 27.0	0.2								
			S	19 47 08.0	1.7								
			SMN		18.0	44.9							
			SS	19 50 32.0	3.3								
			LE	Ms=6.7	22.0	60.5							
HHC	49.7	333	+P	19 40 30.5	-0.7								
			pP	19 40 40.0	0.4								
			PP	19 42 21.0	-4.7								
			S	19 47 34.0	-2.1								
			SMN	m _B =6.9	10.0	10.8							
			SME		11.0	14.6							
			LN	Ms=6.8	17.0	48.4							
			LE		16.0	11.8							
BTO	50.2	332	P	19 40 34.0	-1.2								

1986 3 24

O=20 45 50.2 ± 0.11s
 LAT=24.72 N ± 1.75km
 LONG=123.30 E ± 1.39km
 DEPTH= 15 km ± 0.49km
 STATIONS USED = 34, STAND DEV = 3.00s
 Ms=4.9 / 7,

QZH	4.3	274	ePg	20 47 15.0	9.1		
			LN	Ms=4.4	10.0	6.35	
			LE		10.0	3.01	
SSE	6.6	344	ePn	20 47 26.0	-1.4		
			LG ₁	20 49 26.0	7.8		
			LN	Ms=5.0	6.0	2.78	
			LE		6.0	7.28	
GYA	15.1	280	P	20 49 33.4	8.1		
XAN	15.6	310	eP	20 49 28.0	-3.4		
			pP	20 49 35.5	-0.9		
			LN	Ms=5.1	10.0	3.57	

1986 3 24
 O=23 59 32.5 ± 0.19s
 LAT=24.65 N ± 2.86km
 LONG=123.29 E ± 2.33km
 DEPTH= 39 km ± 0.72km
 STATIONS USED = 33, STAND DEV = 3.86s
 Ms=4.7/ 11,

NJ2	8.3	333	eP	24 01 41.0	7.1		
			LN			Ms=4.7	11.0 5.10
DL2	14.3	355	eP	24 03 01.5	7.3		
			LN			Ms=4.6	11.0 1.51
GYA	15.1	280	P	24 03 10.6	5.4		
XAN	15.6	310	eP	24 03 09.0	-2.7		
			LG ₁	24 07 53.0	10.0		
			LN			Ms=4.9	10.0 1.30
			LE				10.0 2.30
TIY	16.0	327	eP	24 03 22.4	6.1		
			LN			Ms=4.6	10.0 0.46
			LE				10.0 1.10
BJI	16.5	340	(P)	24 03 25.0	2.6		
			LN			Ms=4.4	11.0 0.87
SNY	17.1	1	eP	24 03 33.0	2.3		
			LN			Ms=4.7	14.0 1.71
			LE				12.0 1.02
CD2	18.4	294	eP	24 03 44.6	-1.5		
			LE			Ms=5.1	8.0 2.40
CN2	19.2	5	+P	24 03 55.8	0.0		
LZH	20.2	309	eP	24 04 07.0	-0.5		
			LN			Ms=4.7	8.0 0.95
MDJ	20.6	13	eP	24 04 11.0	0.3		
GTA	24.6	312	P	24 04 49.2	-2.0		

1986 3 25
 O=01 32 32.5 ± 0.15s
 LAT=26.90 N ± 2.50km
 LONG= 54.78 E ± 1.65km
 DEPTH= 34 km ± 0.16km
 STATIONS USED = 44, STAND DEV = 1.63s
 Ms=5.4/ 1,

WMQ	31.4	49	P	01 38 53.5	0.0		
LSA	32.1	76	eP	01 38 58.2	-1.1		
GTA	39.3	60	P	01 40 01.0	0.3		
LZH	42.5	65	eP	01 40 29.0	2.5		
			PMZ				1.5 0.050
KMI	42.9	81	eP	01 40 34.0	3.5		
GYA	46.1	78	P	01 40 58.0	2.3		
BTO	47.2	58	eP	01 41 05.0	0.5		
QZN	51.0	87	eP	01 41 32.6	-0.9		
BJI	51.9	59	eP	01 41 40.0	-0.6		

TIA	53.1	64	eP	01 41 48.9	-0.8		
DL2	56.3	60	eP	01 42 10.4	-2.0		
			LN			Ms=5.4	12.0 1.29
SNY	57.3	56	eP	01 42 18.1	-1.7		
CN2	58.4	53	+P	01 42 26.2	-1.2		

1986 3 25
 O=01 41 34.6 ± 0.14s
 LAT=38.47 N ± 3.51km
 LONG= 25.21 E ± 2.13km
 DEPTH= 2 km ± 0.40km
 STATIONS USED = 56, STAND DEV = 1.64s
 Ms=5.6/ 13, m_B=5.7/ 3

KSH	39.1	72	eP	01 49 09.0	3.7		
			eS	01 55 10.0	4.5		
WMQ	46.4	62	P	01 50 03.7	-1.0		
			PP	01 51 53.5	0.6		
			LE			Ms=5.8	16.0 5.03
LSA	54.3	78	eP	01 51 06.0	0.5		
			S	01 58 42.5	1.4		
			SMN			m _B =5.8	6.0 0.68
GTA	56.4	64	P	01 51 20.0	-0.7		
			eS	01 59 13.5	2.4		
			LN			Ms=5.3	28.0 2.34
LZH	60.8	66	eP	01 51 50.0	-0.9		
			PMZ				1.5 0.050
BTO	62.9	58	eP	01 52 06.0	0.7		
			eS	02 00 39.0	4.3		
CD2	63.2	71	eP	01 52 07.4	0.1		
HHC	63.8	58	eP	01 52 12.0	0.7		
			LN			Ms=5.6	11.0 1.26
			LE				10.0 0.58
XAN	65.4	65	eP	01 52 20.5	-1.0		
			LN			Ms=5.6	12.0 1.00
			LE				12.0 1.00
KMI	65.5	77	+P	01 52 21.0	-1.2		
			S	02 01 07.0	1.9		
			SME			m _B =5.7	6.0 0.40
			LN			Ms=5.3	16.0 1.00
TIY	66.0	60	eP	01 52 25.0	-0.2		
			LN			Ms=5.5	13.0 0.58
			LE				12.0 1.03
BJI	67.2	56	eP	01 52 32.0	-1.3		
			eS	02 01 30.0	2.0		
			SMN			m _B =5.6	8.0 0.39
			LN			Ms=5.5	17.0 1.67
GYA	67.7	73	P	01 52 35.8	-0.7		
			S	02 01 35.0	2.6		
TIA	69.9	59	eP	01 52 49.0	-1.0		
			LE			Ms=5.4	14.0 0.99

WMQ	34.3	312	P	LN	Ms=4.9	12.0	1.66
					10 24 27.8	-0.1	
1986 3 25							
					O=10 44 05.7	± 0.27s	
					LAT=24.83 N	± 3.39km	
					LONG=123.75 E	± 3.60km	
					DEPTH= 36 km	± 0.87km	
					STATIONS USED = 41,	STAND DEV = 4.11s	
					Ms=4.9 / 22,	m _B =5.2 / 3	
QZH	4.7	272	eP	LN	Ms=4.2	8.0	3.13
					10 45 16.8	0.8	
					10 46 07.5	-2.0	
SSE	6.6	341	eP	LN	Ms=4.2	8.0	3.13
					10 45 38.5	-5.0	
					LG ₁	10 47 36.5	2.2
					LG ₂	10 47 51.5	6.7
					LN	Ms=4.3	9.0
WHN	10.1	306	eP	LN	Ms=4.3	9.0	2.36
					10 46 32.0	0.7	
					S	10 48 33.0	9.1
					LN	Ms=5.2	12.0
					LE	10.0	7.50
DL2	14.1	353	eP	LN	Ms=5.2	12.0	8.84
					10 47 33.5	7.7	
					LN	Ms=4.6	11.0
					LE	11.0	1.22
GYA	15.5	280	P	LN	Ms=4.6	11.0	1.22
					10 47 51.8	8.3	
XAN	15.8	309	eP	LN	Ms=5.1	12.0	3.88
					10 47 43.5	-4.3	
					LG ₁	10 52 30.0	7.0
					LN	Ms=5.1	12.0
					LE	12.0	2.25
TIY	16.1	326	eP	LN	Ms=5.1	12.0	3.88
					10 47 56.0	5.2	
					LG ₁	10 52 23.0	-7.2
					LG ₂	10 52 53.5	-2.1
					LE	Ms=4.8	11.0
SNY	17.0	360	eP	LN	Ms=4.8	11.0	2.42
					10 48 06.2	4.3	
					LN	Ms=4.6	22.0
					LE	18.0	2.17
CD2	18.7	293	eP	LN	Ms=4.6	22.0	1.13
					10 48 18.8	-4.5	
					(S)	10 51 48.0	0.9
					LN	Ms=5.3	8.0
CN2	19.0	4	eP	LN	Ms=5.3	8.0	3.57
					10 48 27.5	0.5	
					PMZ	m _B =5.1	5.0
					LN	Ms=4.8	12.0
BTO	19.5	327	eP	LN	Ms=4.8	12.0	1.70
					10 48 32.4	-0.2	
					eS	10 52 11.0	6.0
					LN	Ms=4.9	11.0
					LE	11.0	1.70
MDJ	20.3	12	eP	LN	Ms=4.9	11.0	1.00
					10 48 43.0	1.6	
					LE	Ms=5.1	15.0
LZH	20.5	308	eP	LN	Ms=5.1	15.0	4.11
					10 48 41.0	-2.2	
					PMZ	1.5	0.40

GTA	24.8	312	eP	LN	Ms=4.9	11.0	1.76
					10 49 24.6	-2.0	
					LE	Ms=5.0	11.0
WMQ	34.9	312	eP	LN	Ms=5.0	11.0	1.76
					10 50 55.5	-1.1	
1986 3 25							
					O=11 25 00.7	± 0.12s	
					LAT=39.87 N	± 2.61km	
					LONG= 53.66 E	± 1.63km	
					DEPTH= 34 km	± 0.13km	
					STATIONS USED = 30,	STAND DEV = 1.46s	
KSH	17.2	84	eP	LN	Ms=4.9	11.0	1.76
					11 29 01.9	1.7	
					S	11 32 05.9	-2.2
WMQ	25.6	70	P	LN	Ms=4.9	11.0	1.76
					11 30 29.8	1.3	
					PP	11 31 09.0	1.4
LZH	39.3	79	eP	LN	Ms=4.9	11.0	1.76
					11 32 30.5	1.6	
CD2	41.3	86	eP	LN	Ms=4.9	11.0	1.76
					11 32 47.0	1.4	
XAN	43.9	79	eP	LN	Ms=4.9	11.0	1.76
					11 33 06.8	0.0	
GYA	45.7	90	P	LN	Ms=4.9	11.0	1.76
					11 33 21.8	0.7	
DL2	51.3	68	eP	LN	Ms=4.9	11.0	1.76
					11 34 03.0	-1.5	
CN2	52.1	61	+P	LN	Ms=4.9	11.0	1.76
					11 34 09.5	-0.5	
NJ2	52.3	77	-P	LN	Ms=4.9	11.0	1.76
					11 34 12.0	0.3	
MDJ	54.5	58	eP	LN	Ms=4.9	11.0	1.76
					11 34 24.0	-4.1	
1986 3 25							
					O=11 46 44.0	± 0.14s	
					LAT=27.14 N	± 1.30km	
					LONG=102.99 E	± 1.41km	
					DEPTH= 15 km	± 0.24km	
					STATIONS USED = 47,	STAND DEV = 2.62s	
					Ms=4.5 / 12,	M _L =4.4 / 7,	
KMI	2.0	186	+Pn	LN	Ms=4.5	11.0	2.42
					11 47 19.0	0.7	
					Sn	11 47 44.0	-0.8
					SME	3.0	2.25
GYA	3.4	101	Pn	LN	Ms=4.5	11.0	2.42
					11 47 40.4	3.9	
					Pg	11 47 52.6	9.3
					Sn	11 48 25.0	7.2
					SMN	M _L =4.3	1.2
					SME	1.2	0.93
					LN	Ms=4.4	6.0
					LE	6.0	4.50
CD2	3.8	10	Pn	LN	Ms=4.4	6.0	4.50
					11 47 46.3	3.6	
					Pg	11 47 55.8	4.4
					Sg	11 48 45.8	2.2
					SMN	M _L =4.2	0.6
					SME	0.6	0.61
					LN	Ms=4.6	5.0
					LE	5.0	6.93
XAN	8.6	35	eP	LN	Ms=4.6	5.0	6.93
					11 48 48.8	-1.9	
					S	11 50 22.0	-5.7
					LG ₂	11 51 24.0	-2.6

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			LN	Ms=4.7	9.0	3.04	TIA	12.6	337	eP	12 16 51.2	4.1	
			LE		9.0	2.85				LN	Ms=5.1	12.0	3.39
LZH	8.9	4	eP	11 49 02.5	6.4					LE		11.0	5.76
QZN	10.2	141	eP	11 49 11.6	-2.2		DL2	14.2	355	eP	12 17 09.0	0.6	
			epP	11 49 21.0	1.6					epP	12 17 16.0	0.4	
			eS	11 51 09.0	-0.5					eS	12 19 43.0	-3.2	
			LN	Ms=4.7	10.0	2.40				LN	Ms=5.3	13.0	8.07
			LE		10.0	2.00				LE		11.0	4.38
TIY	13.2	35	eP	11 49 52.0	-2.1		XAN	15.5	310	eP	12 17 24.6	-0.9	
			LN	Ms=4.4	10.0	0.61				SS	12 20 34.0	-0.7	
			LE		10.0	0.93				LG ₁	12 21 51.0	-4.1	
BTO	14.6	22	eP	11 50 11.0	-1.7					LG ₂	12 22 15.0	-4.7	
			LG ₁	11 54 21.0	-2.5					LN	Ms=5.6	10.0	6.70
			LG ₂	11 54 46.0	-0.6					LE		10.0	13.0
			LN	Ms=4.3	10.0	0.50	TIY	15.9	327	+P	12 17 35.5	5.3	
			LE		10.0	0.60				LG ₂	12 22 37.5	5.8	
TIA	15.0	50	eP	11 50 18.0	0.0					LE	Ms=5.3	10.5	6.04
HHC	15.4	25	P	11 50 20.0	-2.8		BJI	16.4	341	eP	12 17 36.0	-0.5	
			LN	Ms=4.5	8.0	0.63	SNY	17.1	1	eP	12 17 45.5	0.4	
			LE		9.0	0.55				LN	Ms=5.3	12.0	6.05
BJI	16.9	37	eP	11 50 41.5	-0.2					LE		11.0	3.26
DL2	19.5	48	eP	11 51 14.5	0.9		KMI	18.6	276	eP	12 18 05.5	1.6	
WMQ	20.7	327	P	11 51 25.6	-1.3					pP	12 18 14.0	2.9	
SNY	22.3	44	eP	11 51 44.6	1.5					LN	Ms=5.4	10.0	6.50
CN2	24.6	42	eP	11 52 05.4	0.3		HHC	18.8	332	+P	12 18 06.5	-0.3	
										LN	Ms=5.3	11.0	5.08
										LE		10.0	2.50
1986 3 25							CN2	19.1	5	+iP	12 18 10.5	0.1	
O=12 13 47.0				± 0.13s						PMZ	m _B =5.4	4.0	0.70
LAT=24.69 N				± 1.71km						eS	12 21 34.0	-5.3	
LONG=123.21 E				± 2.11km						SMN	m _B =5.5	8.0	1.60
DEPTH=33 km				± 0.39km						LN	Ms=5.6	13.0	11.7
STATIONS USED = 73, STAND DEV = 2.30s							BTO	19.3	328	+P	12 18 13.0	0.5	
Ms=5.4/34, M_L=4.2/2, m_B=5.5/7										S	12 21 36.0	-6.6	
QZH	4.2	274	eP	12 14 45.0	-5.5					LN	Ms=5.3	12.0	2.20
			S	12 15 30.5	-8.5					LE		12.0	5.80
			LN	Ms=4.7	12.0	18.2	LZH	20.2	309	-P	12 18 21.0	-0.7	
			LE		12.0	5.76				PMZ		2.0	0.58
SSE	6.6	345	eP	12 15 18.5	-6.1					PP	12 18 41.0	-0.2	
			LG ₁	12 17 06.0	-9.0					S	12 22 06.0	5.2	
			LG ₂	12 17 20.5	-5.0					LN	Ms=5.3	12.0	4.80
			LN	Ms=4.6	10.0	1.78							
			LE		10.0	5.16	MDJ	20.5	13	-P	12 18 25.0	-0.5	
NJ2	8.3	333	eP	12 15 53.2	5.6					eS	12 22 00.0	-8.8	
			eS	12 17 22.0	1.1					LN	Ms=5.8	12.0	16.6
			LN	Ms=5.3	10.0	21.0	GTA	24.6	312	P	12 19 04.6	-1.0	
WHN	9.8	309	eP	12 16 11.0	2.5					LE	Ms=5.6	10.5	7.00
			LG ₁	12 18 50.0	-4.2		LSA	28.9	287	+P	12 19 44.1	-1.7	
			LG ₂	12 19 11.0	1.3					LN	Ms=5.0	15.0	1.86
			LN	Ms=5.6	12.0	18.6	KSH	42.2	302	eP	12 21 39.9	1.1	
			LE		10.0	23.8				eS	12 27 49.9	-6.8	

	LE		Ms=5.6	11.0	2.60		
1986 3 25							
	O=13 00 28.4		± 0.17s				
	LAT=24.73 N		± 2.08km				
	LONG=122.73 E		± 2.14km				
	DEPTH= 38 km		± 1.13km				
	STATIONS USED = 29,		STAND DEV = 2.72s				
	Ms=4.4 / 8,						
QZH	3.8	274	eP	13 01 26.0	0.4		
			S	13 02 18.5	9.8		
			LN		Ms=4.0	9.0	2.32
			LE			9.0	2.46
SSE	6.5	348	eP	13 02 03.0	-1.0		
			LG ₂	13 03 59.0	-3.5		
			LN		Ms=4.3	10.0	0.89
			LE			10.0	2.46
NJ2	8.1	336	eP	13 02 30.5	4.6		
			eS	13 03 56.4	0.1		
			LN		Ms=4.9	6.0	5.10
XAN	15.2	311	eP	13 04 01.7	-0.4		
			eLG ₂	13 08 52.0	2.7		
			LN		Ms=4.8	10.0	1.89
			LE			10.0	1.26
BJI	16.2	342	eP	13 04 18.5	3.1		
SNY	17.1	2	eP	13 04 29.8	3.8		
BTO	19.1	329	eP	13 04 52.0	1.3		
			LN		Ms=4.5	11.0	0.40
			LE			11.0	0.70
CN2	19.2	6	eP	13 04 51.0	-0.6		
LZH	19.8	309	eP	13 05 00.5	1.7		
MDJ	20.6	14	eP	13 05 07.5	0.3		
GTA	24.2	313	P	13 05 44.4	1.2		

1986 3 25							
	O=13 13 18.6		± 0.12s				
	LAT=23.47 N		± 1.96km				
	LONG=143.38 E		± 2.47km				
	DEPTH= 34 km		± 0.23km				
	STATIONS USED = 47,		STAND DEV = 2.21s				
	Ms=4.3 / 2,						
MDJ	23.9	335	eP	13 18 32.6	1.9		
DL2	24.1	315	eP	13 18 31.0	-1.0		
			LN		Ms=4.5	10.0	0.56
TIA	26.0	305	eP	13 18 49.3	-1.1		
BJI	28.3	312	eP	13 19 09.0	-2.3		
TIY	30.0	305	eP	13 19 34.1	7.1		
HHC	31.8	311	P	13 19 37.0	-5.7		
XAN	31.9	297	eP	13 19 41.0	-2.2		
GYA	33.4	283	P	13 19 58.4	2.1		

CD2	35.9	291	eP	13 20 17.4	-0.4		
KMI	37.0	281	eP	13 20 28.5	1.2		
GTA	40.0	304	eP	13 20 53.2	0.6		
LSA	46.8	289	+P	13 21 48.6	0.8		
WMQ	49.6	308	P	13 22 09.0	-0.4		
1986 3 25							
	O=15 03 15.2		± 0.05s				
	LAT=37.93 N		± 0.47km				
	LONG=112.46 E		± 0.41km				
	DEPTH= 15 km		± 0.18km				
	STATIONS USED = 8,		STAND DEV = 1.44s				
	M _L =3.1 / 6,						
BTO	3.3	325	ePn	15 04 07.4	0.8		
			Pg	15 04 12.6	-0.4		
			Sn	15 04 48.5	1.5		
			Sg	15 04 54.8	-3.0		
TIA	4.1	113	ePg	15 04 27.5	-0.3		
			Sg	15 05 17.6	-6.3		
			SMN		M _L =2.7	0.3	0.013
			SME			0.3	0.017
XAN	4.8	218	ePn	15 04 27.5	-0.3		
			Pg	15 04 42.5	2.1		
			Sg	15 05 45.5	-0.8		

1986 3 25							
	O=16 20 01.6		± 0.10s				
	LAT=24.82 N		± 1.67km				
	LONG=122.95 E		± 1.12km				
	DEPTH= 48 km		± 0.98km				
	STATIONS USED = 17,		STAND DEV = 2.04s				
QZH	4.0	273	eP	16 21 05.0	3.5		
SSE	6.4	346	eP	16 21 39.0	2.5		
			LG ₂	16 23 40.0	5.7		
XAN	15.3	310	eP	16 23 33.5	-2.4		
CD2	18.0	294	eP	16 24 09.4	-1.0		
CN2	19.0	6	eP	16 24 22.2	-0.6		
LZH	19.9	309	eP	16 24 32.0	-0.3		
			PMZ			2.0	0.050
MDJ	20.5	14	eP	16 24 37.5	-0.7		
GTA	24.3	312	eP	16 25 15.6	-0.7		
WMQ	34.4	312	eP	16 26 45.5	-1.3		

1986 3 25							
	O=17 10 56.5		± 0.09s				
	LAT= 6.33 S		± 1.59km				
	LONG=104.08 E		± 1.83km				
	DEPTH= 48 km		± 0.41km				
	STATIONS USED = 78,		STAND DEV = 1.26s				
	Ms=5.8 / 33,		m _B =6.1 / 15				

SNY	51.1	19	+iP	17 19 56.0	-1.2		
			PMZ	$m_B = 6.3$	5.0	1.80	
			eS	17 27 03.0	-7.1		
			LN	$M_s = 5.9$	18.0	6.18	
			LE		18.0	3.51	
WMQ	52.1	345	+iP	17 20 04.4	0.1		
			pP	17 20 16.5	0.0		
			PP	17 22 03.5	1.2		
			S	17 27 26.0	4.1		
			sS	17 27 46.0	2.0		
			ScS	17 29 50.0	4.4		
			LN	$M_s = 5.8$	17.0	4.79	
KSH	52.4	333	+iP	17 20 07.9	0.7		
			pP	17 20 20.9	1.6		
			PcP	17 21 17.9	1.5		
			iS	17 27 29.9	1.5		
			SMN	$m_B = 6.5$	5.0	3.10	
CN2	53.5	19	+iP	17 20 13.7	-1.3		
			PMZ	$m_B = 6.2$	4.0	1.30	
			pP	17 20 26.7	-0.6		
			eScP	17 25 15.0	2.7		
			eS	17 27 38.5	-4.2		
			SMN	$m_B = 5.8$	6.0	0.70	
			LN	$M_s = 6.0$	17.0	7.10	
MDJ	55.7	22	+P	17 20 30.0	-0.7		
			PMZ	$m_B = 5.9$	4.0	0.62	
			pP	17 20 45.0	1.9		
			S	17 28 15.0	4.5		
1986 3 25							
O = 18 15 51.3				± 0.12s			
LAT = 10.36 S				± 1.70km			
LONG = 161.40 E				± 2.13km			
DEPTH = 100 km				± 0.58km			
STATIONS USED = 55, STAND DEV = 1.65s							
NJ2	58.6	318	-P	18 25 40.0	-0.5		
DL2	61.4	325	eP	18 25 58.0	-2.0		
MDJ	61.8	335	-P	18 26 02.3	-0.4		
SNY	62.5	329	+P	18 26 06.5	-0.5		
CN2	63.0	332	-P	18 26 10.0	-0.7		
GYA	64.5	306	P	18 26 20.4	-0.2		
BJI	65.3	323	eP	18 26 24.5	-1.1		
TIY	66.2	319	eP	18 26 30.6	-0.8		
XAN	66.5	314	eP	18 26 32.0	-1.4		
KMI	67.1	303	eP	18 26 37.0	-0.4		
BTO	69.4	321	+iP	18 26 51.6	0.3		
LZH	71.2	314	eP	18 27 02.0	0.0		
GTA	75.5	315	-iP	18 27 27.8	0.3		
LSA	78.4	303	eP	18 27 43.3	-0.5		
WMQ	85.6	316	P	18 28 20.7	-0.1		

1986 3 25							
O = 21 40 11.3				± 0.15s			
LAT = 24.93 N				± 1.70km			
LONG = 122.77 E				± 2.18km			
DEPTH = 56 km				± 1.33km			
STATIONS USED = 13, STAND DEV = 3.04s							
$M_s = 4.4 / 1,$							
SSE	6.3	347	(P)	21 41 41.0	-2.9		
			LG ₂	21 43 36.3	-2.9		
			LN			1.2	0.030
			LE			1.5	0.11
XAN	15.1	310	eP	21 43 45.0	2.3		
			LN	$M_s = 4.4$		13.0	1.14
HHC	18.4	332	P	21 44 24.0	-0.6		
BTO	18.9	329	eP	21 44 31.4	0.9		
CN2	19.0	6	eP	21 44 27.4	-3.3		
LZH	19.7	309	eP	21 44 43.0	3.9		
			PMZ			2.0	0.060
GTA	24.1	312	P	21 45 23.0	-0.3		
1986 3 25							
O = 22 27 52.4				± 0.17s			
LAT = 28.30 N				± 3.01km			
LONG = 140.46 E				± 3.46km			
DEPTH = 25 km				± 0.83km			
STATIONS USED = 24, STAND DEV = 3.21s							
$M_s = 4.3 / 6,$							
DL2	18.9	309	eP	22 32 12.2	-1.5		
			LN	$M_s = 4.4$		12.0	0.67
NJ2	19.0	287	+P	22 32 09.0	-6.6		
			LE	$M_s = 4.3$		9.0	0.40
SNY	19.3	319	eP	22 32 12.0	-6.1		
			LN	$M_s = 4.6$		10.0	0.70
			LE			10.0	0.70
CN2	19.6	326	-P	22 32 18.0	-4.0		
			LN	$M_s = 4.4$		10.0	0.60
TIA	21.2	298	eP	22 32 40.8	1.9		
BJI	23.2	307	eP	22 32 58.0	-0.4		
TIY	25.2	299	eP	22 33 18.2	-0.1		
			LE	$M_s = 4.2$		12.0	0.27
HHC	26.8	305	P	22 33 32.0	-0.6		
BTO	27.8	304	+P	22 33 42.0	-0.1		
GYA	30.0	275	P	22 34 04.4	2.5		
CD2	31.9	284	eP	22 34 20.2	1.4		
GTA	35.3	299	eP	22 34 47.4	-0.3		
WMQ	44.6	305	-P	22 36 07.0	1.8		
1986 3 25							
O = 23 49 33.9				± 0.09s			

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LAT=40.37 N ± 1.97km
 LONG= 63.66 E ± 1.30km
 DEPTH= 33 km ± 0.14km
 STATIONS USED = 67, STAND DEV= 1.31s
 Ms=5.1/ 8,

KSH	9.5	92	cP	23 51 49.3	-2.5		
			eS	23 53 32.8	-6.1		
			LG ₂	23 54 38.0	-9.6		
			LN			Ms=5.9	4.0 23.6
WMQ	18.1	71	P	23 53 41.5	-3.9		
			S	23 57 10.0	6.8		
			LG ₁	23 59 12.0	8.0		
			LN			Ms=5.1	6.0 1.98
LSA	24.8	107	-P	23 54 56.0	0.9		
GTA	27.6	80	P	23 55 21.2	0.1		
			LE			Ms=5.2	11.0 2.22
LZH	31.7	85	cP	23 55 56.5	-0.5		
			PMZ				1.5 0.070
BTO	34.9	74	cP	23 56 25.5	0.2		
KMI	35.9	103	-P	23 56 34.5	1.0		
HHC	36.0	73	P	23 56 33.5	-0.9		
XAN	36.3	85	cP	23 56 36.4	-0.2		
TIY	37.6	78	cP	23 56 48.0	0.3		
			(S)	24 02 37.5	2.5		
			LE			Ms=4.8	11.0 0.56
GYA	38.1	98	P	23 56 52.4	0.4		
BJI	39.6	73	eP	23 57 05.5	1.1		
TIA	41.6	78	+P	23 57 22.2	1.0		
WHN	41.9	87	cP	23 57 25.5	1.9		
DL2	44.0	72	cP	23 57 40.2	0.0		
			LN			Ms=5.1	9.0 0.60
SNY	44.4	68	cP	23 57 43.4	0.0		
NJ2	44.7	83	-P	23 57 47.0	1.2		
QZN	44.8	104	cP	23 57 48.0	1.1		
CN2	45.0	64	-P	23 57 49.0	0.2		
SSE	46.9	82	cP	23 58 04.0	0.7		
			LN			Ms=4.9	18.0 0.76
MDJ	47.6	62	cP	23 58 10.0	0.9		

1986 3 25

O=23 59 05.7 ± 1.19s
 LAT=22.38 N ± 9.59km
 LONG=125.02 E ± 8.03km
 DEPTH= 40 km
 STATIONS USED = 10, STAND DEV= 3.72s
 Ms=4.7/ 7,

QZH	6.4	295	cP	24 00 37.0	-3.3		
			LN			Ms=4.3	8.0 2.08
			LE				8.0 1.10
TIA	15.4	335	cP	24 02 46.6	4.7		

GYA	17.2	287	P	24 03 10.4	5.5		
TIY	18.7	327	cP	24 03 22.4	-1.5		
			LN			Ms=4.7	10.0 0.43
			LE				10.0 1.10
BJI	19.1	339	cP	24 03 25.0	-3.5		
			LN			Ms=4.5	11.0 0.87
SNY	19.4	357	cP	24 03 33.0	1.3		
			LN			Ms=4.8	14.0 1.71
			LE				12.0 1.02
CD2	20.8	299	cP	24 03 44.6	-1.7		
			LE			Ms=5.2	8.0 2.40
HHC	21.6	331	cP	24 03 56.0	1.1		
			LN			Ms=4.7	8.0 0.83
LZH	22.9	311	cP	24 04 07.0	-0.6		
			LN			Ms=4.8	8.0 0.95
GTA	27.4	314	P	24 04 49.2	-0.5		

1986 3 26

O=00 23 23.2 ± 0.04s
 LAT=26.11 N ± 0.84km
 LONG=124.61 E ± 0.71km
 DEPTH=231 km ± 0.78km
 STATIONS USED = 39, STAND DEV= 0.98s

QZH	5.6	259	+P	00 24 44.5	-1.7		
SSE	5.8	330	iP	00 24 48.4	-1.0		
			PMZ				0.7 0.080
NJ2	7.8	321	-P	00 25 14.5	0.1		
TIY	15.5	321	cP	00 26 52.4	0.8		
XAN	15.7	304	cP	00 26 54.0	0.0		
GYA	16.1	275	P	00 27 00.0	1.2		
CN2	17.7	2	eP	00 27 15.2	-0.9		
CD2	18.9	289	cP	00 27 29.3	0.2		
LZH	20.3	304	P	00 27 43.5	0.1		
GTA	24.6	309	-P	00 28 23.7	-0.8		

1986 3 26

O=03 10 47.8 ± 0.24s
 LAT=24.89 N ± 2.82km
 LONG=122.91 E ± 3.42km
 DEPTH= 8 km ± 0.90km
 STATIONS USED = 14, STAND DEV= 3.43s
 Ms=3.7/ 3,

QZH	3.9	272	cPn	03 11 50.7	2.0		
			Sn	03 12 42.5	5.5		
			LN			Ms=3.5	11.0 1.17
SSE	6.4	347	P*	03 12 36.4	2.3		
			cLG ₂	03 14 18.0	0.0		
			LE			Ms=3.7	12.0 0.88
GYA	14.7	280	P	03 14 23.8	4.9		
XAN	15.2	310	cP	03 14 26.4	1.4		

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			S	13 54 16.0	0.3		
CD2	32.8	270	eP	13 49 07.8	0.3		
GTA	33.5	287	P	13 49 14.0	0.5		
			LE			Ms=4.5	16.2 0.45
KMI	36.2	262	eP	13 49 36.0	-0.5		
WMQ	41.6	297	+P	13 50 23.0	1.4		
			(S)	13 56 35.5	-1.2		
LSA	43.3	275	eP	13 50 35.5	-0.3		

1986 3 26

O=14 26 18.5 ± 0.10s
 LAT=14.22 S ± 1.40km
 LONG=167.53 E ± 2.57km
 DEPTH=206 km ± 0.40km
 STATIONS USED = 52, STAND DEV = 0.86s

NJ2	65.5	316	-P	14 36 42.4	0.2		
WHN	67.8	312	eP	14 36 57.0	0.3		
MDJ	68.0	332	eP	14 36 57.0	-0.8		
DL2	68.0	323	eP	14 36 57.5	-0.8		
CN2	69.3	329	+iP	14 37 06.0	-0.3		
			pP	14 37 52.0	-2.1		
GYA	71.6	304	P	14 37 20.6	0.4		
BJI	72.0	321	eP	14 37 22.5	0.1		
TIY	73.1	317	P	14 37 29.0	0.4		
			pP	14 38 16.8	0.1		
XAN	73.5	312	+P	14 37 31.5	0.1		
			pP	14 38 17.3	-2.2		
KMI	74.3	302	-P	14 37 37.0	1.3		
			pP	14 38 27.0	3.3		
HHC	75.4	319	-P	14 37 41.0	-0.9		
CD2	75.9	307	eP	14 37 45.4	0.6		
BTO	76.2	319	-iP	14 37 47.5	0.9		
LZH	78.2	312	eP	14 37 58.5	1.0		
GTA	82.5	314	+iP	14 38 21.0	0.7		
WMQ	92.6	315	P	14 39 08.7	0.1		

1986 3 26

O=17 20 35.1 ± 0.14s
 LAT=24.71 N ± 1.92km
 LONG=122.86 E ± 2.05km
 DEPTH=31 km ± 0.42km
 STATIONS USED = 78, STAND DEV = 2.39s

Ms=5.3/41, ML=4.3/2, mb=5.1/3

QZH	3.9	274	ePn	17 21 33.2	0.1		
			Sn	17 22 27.5	8.2		
			LN			Ms=4.8	13.0 27.0
SSE	6.5	347	ePn	17 22 08.0	-1.5		
			LG ₂	17 24 09.0	-1.5		
			LN			Ms=5.0	12.0 7.11
			LE				12.0 15.2

NJ2	8.1	335	eP	17 22 29.8	-4.0		
			S	17 24 01.0	-4.3		
			LN			Ms=4.5	10.0 2.80
GZH	8.9	261	eP	17 22 40.0	-4.0		
			S	17 24 28.0	4.4		
			LN			Ms=5.1	11.0 10.0
			LE				11.0 7.33
WHN	9.5	309	eP	17 22 49.0	-4.2		
			S	17 24 42.0	1.9		
			LG ₁	17 25 25.0	-9.1		
			LG ₂	17 25 47.0	-2.2		
			LN			Ms=5.4	11.0 17.1
			LE				11.0 14.7
TIA	12.5	338	eP	17 23 37.4	3.8		
QZN	13.3	247	eP	17 23 49.0	4.0		
			eS	17 26 19.0	5.7		
			LN			Ms=4.9	14.0 3.90
			LE				11.0 1.90
DL2	14.2	356	eP	17 23 53.0	-3.2		
			esP	17 24 05.0	-2.8		
			eS	17 26 30.0	-3.7		
			LN			Ms=5.1	12.0 5.36
			LE				12.0 3.72
GYA	14.7	280	P	17 24 05.0	1.7		
			pP	17 24 11.8	1.7		
			S	17 26 49.6	4.0		
			LN			Ms=5.4	12.0 10.4
XAN	15.3	311	eP	17 24 09.3	-1.2		
			sP	17 24 17.2	-4.8		
			sS	17 27 10.0	-0.5		
			LG ₁	17 28 32.0	-3.1		
			LG ₂	17 28 52.0	-7.3		
			LN			Ms=5.5	12.0 11.2
			LE				12.0 6.20
TIY	15.7	328	eP	17 24 18.0	1.8		
			S	17 27 17.0	8.0		
			LG ₁	17 28 55.0	6.3		
			LN			Ms=5.3	14.0 7.66
			LE				11.0 4.61
BJI	16.3	341	eP	17 24 23.0	-0.3		
			epP	17 24 30.0	-0.4		
			eS	17 27 20.0	-2.7		
			esS	17 27 32.0	-2.0		
			LN			Ms=5.0	11.0 3.16
			LE				12.0 1.49
SNY	17.1	2	+P	17 24 32.0	-1.4		
			SS	17 28 00.0	-1.6		
			LN			Ms=5.2	24.0 1.94
			LE				19.0 8.39
CD2	18.0	294	eP	17 24 43.6	-1.1		

			SKKS	22 31 28.0					PKP ₂	22 26 32.0			
SNY	142.8	341	iPKP	22 25 22.2	-1.9				PP	22 30 10.0	-6.6		
			PP	22 28 40.5	-2.3				SKKS	22 36 02.0			
			SKKS	22 29 00.0					SS	22 49 33.0	-2.2		
DL2	146.1	341	iPKP	22 25 29.0	-0.7			GYA	160.6	4	PKP	22 25 52.0	2.1
			PP	22 28 57.0	-5.2				PKP ₂	22 26 37.0			
			PPMZ	$m_B=6.0$	6.0	0.93			PP	22 30 20.0	-2.3		
BJI	146.4	349	iPKP	22 25 31.0	0.8				PPMZ	$m_B=6.2$	8.0	2.80	
			ePP	22 28 59.0	-5.2			KMI	161.3	16	iPKP	22 25 51.5	0.9
			SKKS	22 34 50.0					PKP ₂	22 26 38.5			
BTO	146.6	358	iPKP	22 25 31.5	0.8				PP	22 30 23.0	-2.7		
			PKP ₂	22 25 36.5					PPMZ	$m_B=5.8$	8.0	1.10	
			PP	22 29 02.0	-3.1			GZH	163.3	343	iPKP	22 25 54.5	2.1
			eSKKS	22 34 51.0					PKP ₂	22 26 48.5			
			SS	22 47 10.0	-5.2				ePP	22 30 28.0	-7.9		
GTA	146.9	12	iPKP	22 25 31.9	0.6				PPMZ	$m_B=5.9$	6.0	0.94	
TIY	149.2	354	iPKP	22 25 36.0	1.1			QZN	168.0	353	iPKP	22 25 58.0	1.8
			PP	22 29 18.0	-1.9				PKP ₂	22 27 08.5			
			PPMZ	$m_B=6.3$	6.0	1.87			PP	22 30 59.0	-0.5		
			SKKS	22 35 09.5					PPMZ	$m_B=6.1$	7.0	1.90	
TIA	149.9	346	PKP	22 25 37.1	1.3				eSS	22 50 52.0	-7.0		
			PKP ₂	22 25 54.0				1986 3 26					
			PP	22 29 26.0	2.4			O = 23 29 32.6	± 0.35s				
			PPMZ	$m_B=6.0$	5.0	0.81		LAT = 25.18 N	± 2.54km				
			SKKS	22 31 47.0				LONG = 124.91 E	± 2.66km				
LZH	150.8	7	iPKP	22 25 39.0	1.6			DEPTH = 37 km	± 2.49km				
			PKP ₂	22 25 52.0				STATIONS USED = 13, STAND DEV = 2.86s					
LSA	152.3	33	iPKP	22 25 40.8	1.0			Ms = 3.8 / 3,					
			PKP ₂	22 26 01.0				SSE	6.7	332	eP	23 31 13.8	2.0
			PP	22 29 32.5	-4.4				LG ₂	23 33 17.0	1.9		
			PPMZ	$m_B=5.8$	7.0	0.79			LN	$M_s=3.8$	10.0	0.89	
			SKKS	22 31 29.0				SNY	16.6	357	eP	23 33 27.8	3.0
XAN	153.1	359	iPKP	22 25 41.6	1.1			CN2	18.6	1	eP	23 33 50.2	1.2
			PP	22 29 33.0	-8.9			1986 3 27					
			PPMZ	$m_B=5.8$	8.0	0.93		O = 00 32 53.7	± 0.18s				
			SKKS	22 35 28.5				LAT = 24.70 N	± 2.10km				
SSE	153.2	335	iPKP	22 25 41.7	1.2			LONG = 123.39 E	± 2.47km				
			PKP ₂	22 26 04.5				DEPTH = 39 km	± 0.49km				
			SKKS	22 36 27.0				STATIONS USED = 34, STAND DEV = 2.78s					
			SS	22 48 20.0	-7.2			Ms = 4.6 / 12,					
			LN	28.0	1.04			QZH	4.4	274	eP	00 33 56.5	-2.9
NJ2	153.2	340	iPKP	22 25 41.6	1.0				eS	00 34 43.5	-5.7		
			PKP ₂	22 26 03.8					LN	$M_s=3.8$	10.0	1.93	
			PP	22 29 39.6	-2.9			SSE	6.7	343	eP	00 34 36.2	4.4
CD2	155.9	10	iPKP	22 25 45.6	1.4				LG ₂	00 36 31.5	-2.2		
			PP	22 29 50.0	-7.2				LN	$M_s=4.4$	10.0	2.67	
WHN	155.9	347	-iPKP	22 25 45.2	1.0				LE	9.0	1.70		
			PP	22 29 53.0	-4.5			QZN	13.8	248	eP	00 36 12.0	3.1
			PPMZ	$m_B=5.7$	8.0	0.71							
QZH	159.6	332	iPKP	22 25 50.0	1.3								

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		eS	00 38 43.0	1.7			
		LE	Ms=4.1	10.0	0.50		
GYA	15.2	280	P	00 36 30.4	2.8		
XAN	15.7	310	eP	00 36 35.3	1.8		
		LG ₂	00 41 28.0	-2.5			
		LN	Ms=4.8	9.0	0.81		
		LE		10.0	1.68		
BJI	16.5	340	eP	00 36 42.0	-1.5		
		eS	00 39 43.0	-1.1			
		LN	Ms=4.3	11.0	0.68		
SNY	17.1	0	eP	00 36 52.5	1.1		
HHC	18.9	331	eP	00 37 16.5	2.5		
		LN	Ms=4.6	12.0	0.81		
		LE		13.0	1.04		
CN2	19.1	5	-P	00 37 17.6	1.1		
		eS	00 40 46.0	1.3			
BTO	19.4	328	eP	00 37 22.0	2.3		
LZH	20.3	309	eP	00 37 28.0	-1.2		
MDJ	20.5	13	eP	00 37 31.7	0.4		
GTA	24.7	312	P	00 38 10.0	-2.9		
		eS	00 42 37.2	7.7			
		LE	Ms=4.7	10.5	0.87		

1986 3 27

O=01 14 16.0 ± 0.22s
 LAT=24.72 N ± 3.00km
 LONG=123.48 E ± 2.87km
 DEPTH= 17 km ± 0.68km
 STATIONS USED = 23, STAND DEV = 4.15s
 Ms=4.0/ 2,

QZH	4.4	274	ePn	01 15 21.0	-2.2		
			eSn	01 16 07.0	-9.6		
			LN	Ms=3.6	11.0	1.12	
GYA	15.3	280	eP	01 18 02.0	8.9		
XAN	15.7	310	eP	01 18 01.5	2.8		
			LN	Ms=4.5	9.0	0.86	
			LE		12.0	0.50	
CN2	19.1	4	eP	01 18 41.4	0.4		
LZH	20.3	308	eP	01 18 52.5	-2.3		
			PMZ		2.0	0.080	
MDJ	20.5	13	eP	01 19 02.5	6.6		
GTA	24.7	312	eP	01 19 37.0	-1.5		

1986 3 27

O=03 00 09.3 ± 0.10s
 LAT=24.76 N ± 1.21km
 LONG=123.00 E ± 1.51km
 DEPTH= 15 km ± 0.39km
 STATIONS USED = 16, STAND DEV = 4.18s
 Ms=4.3/ 4,

SSE	6.5	346	ePn	03 01 52.3	7.2		
			LG ₂	03 03 45.0	0.7		
			LE	Ms=4.2	5.0	1.09	
WHN	9.6	309	e(P)	03 02 38.0	7.8		
			LG ₁	03 05 20.0	9.4		
			LG ₂	03 05 31.0	5.2		
			LN	Ms=4.5	12.0	2.65	
GYA	14.8	280	P	03 03 42.8	1.9		
XAN	15.4	310	eP	03 03 49.0	1.5		
			eLG ₂	03 08 40.0	4.2		
			LN	Ms=4.3	8.0	0.60	
GTA	24.4	312	P	03 05 25.5	-3.2		

1986 3 27

O=06 03 40.6 ± 0.23s
 LAT=24.83 N ± 3.07km
 LONG=122.38 E ± 3.24km
 DEPTH= 11 km ± 1.11km
 STATIONS USED = 27, STAND DEV = 4.24s
 Ms=4.7/ 9,

QZH	3.4	273	ePn	06 04 36.5	2.0		
			Sg	06 05 28.2	-0.2		
			LN	Ms=4.1	12.0	5.35	
			LE		10.0	2.93	
XAN	14.9	311	eP	06 07 12.0	-1.0		
			LG ₂	06 11 56.0	4.5		
			LN	Ms=4.9	13.0	3.43	
			LE		13.0	2.00	
BJI	16.0	343	(P)	06 07 36.0	7.9		
			LN	Ms=4.5	12.0	1.30	
SNY	17.0	3	eP	06 07 40.0	-0.1		
			LN	Ms=4.7	14.0	1.77	
			LE		14.0	1.17	
KMI	17.8	275	eP	06 07 54.0	3.4		
HHC	18.4	333	eP	06 08 05.8	8.5		
BTO	18.8	330	eP	06 08 07.3	4.3		
			LN	Ms=4.8	12.0	1.10	
			LE		12.0	1.50	
CN2	19.1	7	+P	06 08 00.0	-6.2		
MDJ	20.6	15	eP	06 08 25.0	2.3		
GTA	23.9	313	P	06 08 53.6	-2.4		
			LN	Ms=4.8	15.0	1.64	

1986 3 27

O=07 55 34.1 ± 0.03s
 LAT=24.78 N ± 0.49km
 LONG=122.85 E ± 0.48km
 DEPTH= 7 km ± 0.18km
 STATIONS USED = 9, STAND DEV = 3.33s
 Ms=3.5/ 2,

March, 1986

XAN	20.2	332	-P	13 13 09.0	-0.5
CD2	20.7	317	eP	13 13 15.2	0.6
TIY	22.3	344	P	13 13 31.2	1.0
			PMZ		1.0 0.050
DL2	22.5	3	eP	13 13 31.5	-0.7
BJI	23.8	353	eP	13 13 46.0	1.0
LZH	24.3	327	eP	13 13 52.0	1.7
SNY	25.5	6	eP	13 14 00.0	-1.7
BTO	25.6	342	eP	13 14 03.0	0.3
CN2	27.7	9	eP	13 14 21.0	-0.7
GTA	28.9	326	-iP	13 14 32.9	0.2
MDJ	29.3	14	eP	13 14 35.0	-0.8

1986 3 27

O = 13 37 43.1 ± 0.08s
 LAT = 25.55 S ± 2.48km
 LONG = 13.69 W ± 2.20km
 DEPTH = 9 km ± 0.26km
 STATIONS USED = 18, STAND DEV = 1.86s

BJI	136.0	58	ePKP	13 57 06.0	0.2
SNY	141.3	54	ePKP	13 57 13.4	-2.2
CN2	142.2	51	ePKP	13 57 15.0	-2.1
MDJ	144.8	48	ePKP	13 57 19.3	-2.3

1986 3 27

O = 18 18 00.2 ± 0.19s
 LAT = 24.72 N ± 1.99km
 LONG = 122.93 E ± 2.45km
 DEPTH = 33 km ± 0.41km
 STATIONS USED = 35, STAND DEV = 2.40s

QZH	3.9	274	eP	18 19 04.0	4.0
			S	18 19 53.5	7.9
			LN	Ms=4.3	9.5 3.94
			LE		9.5 5.36
NJ2	8.1	335	eP	18 20 00.0	1.1
			LE	Ms=4.5	11.0 3.40
GZH	8.9	261	eP	18 20 10.5	0.7
			S	18 21 52.0	2.0
			LN	Ms=5.0	9.0 2.31
			LE		9.0 6.42
QZN	13.4	248	eP	18 21 09.0	-1.7
			eS	18 23 40.0	0.5
			LN	Ms=4.4	13.0 1.40
XAN	15.3	311	eP	18 21 33.0	-3.0
			LG ₁	18 26 04.0	2.4
			LG ₂	18 26 28.0	2.1
			LN	Ms=5.0	10.0 2.94
			LE		10.0 2.10
TIY	15.7	328	eP	18 21 46.0	4.6

			LN	Ms=4.7	17.0 2.01
			LE		16.0 1.74
BJI	16.3	341	eP	18 21 48.5	0.2
			SME	m _B =4.7	7.0 0.29
			LN	Ms=4.3	11.0 0.62
SNY	17.1	2	-P	18 22 00.0	1.9
			eS	18 25 13.0	7.4
			LE	Ms=4.5	13.0 1.12
CD2	18.0	294	eP	18 22 08.2	-2.0
			(S)	18 25 27.0	-0.6
			LN	Ms=5.0	10.0 2.90
KMI	18.3	276	eP	18 22 09.5	-4.4
HHC	18.7	332	eP	18 22 20.5	2.3
			S	18 25 50.0	8.6
			LN	Ms=4.7	10.0 1.01
			LE		13.0 1.23
CN2	19.1	6	+P	18 22 20.0	-3.7
			PMZ	m _B =5.1	5.0 0.50
			pP	18 22 27.0	-4.3
			eS	18 25 51.0	-1.5
BTO	19.2	329	eP	18 22 25.0	1.0
			esP	18 22 35.0	-1.3
			eS	18 25 59.0	5.7
			LN	Ms=4.8	11.0 0.80
			LE		11.0 1.40
LZH	19.9	309	eP	18 22 31.5	-1.1
MDJ	20.6	14	eP	18 22 39.0	-0.1
			S	18 26 27.0	5.1
			LE	Ms=4.7	15.0 1.73
GTA	24.4	313	+P	18 23 15.3	-1.5
			LN	Ms=4.9	9.0 1.10

1986 3 27

O = 19 51 48.8 ± 0.11s
 LAT = 19.96 N ± 2.89km
 LONG = 122.13 E ± 1.62km
 DEPTH = 33 km ± 1.16km
 STATIONS USED = 38, STAND DEV = 1.65s

QZH	5.9	327	P	19 53 14.0	-2.8
GZH	8.7	292	P	19 53 53.0	-3.1
QZN	11.6	267	P	19 54 35.4	-0.2
			eS	19 56 40.2	-5.2
GYA	15.6	297	P	19 55 28.4	0.0
XAN	18.3	323	eP	19 56 03.4	1.5
KMI	18.6	290	eP	19 56 08.5	2.2
DL2	18.9	359	eP	19 56 10.0	0.7
TIY	19.6	337	P	19 56 16.7	-0.7
			PMZ		1.0 0.040
			LE	Ms=4.5	14.0 0.94

March, 1986

CD2	19.8	307	eP	19 56 20.8	1.0
BJI	20.7	347	eP	19 56 26.5	-2.0
SNY	21.8	3	eP	19 56 41.8	1.3
HHC	22.7	339	P	19 56 47.2	-1.9
LZH	22.7	319	eP	19 56 50.5	1.1
BTO	23.0	336	eP	19 56 53.5	1.0
			eS	20 00 54.0	-3.1
CN2	23.9	6	e(P)	19 57 11.0	10.3
MDJ	25.4	13	eP	19 57 13.7	-1.1
GTA	27.3	320	eP	19 57 33.0	0.2

1986 3 27

O=21 17 59.5 ± 0.35s
 LAT=25.34 N ± 4.97km
 LONG=123.06 E ± 4.19km
 DEPTH= 1 km ± 1.84km
 STATIONS USED = 25, STAND DEV = 3.66s
 Ms=4.4/11,

SSE	6.0	344	ePn	21 19 28.5	-0.6		
			LN		Ms=3.6	10.0	0.67
QZN	13.8	245	eP	21 21 21.0	2.7		
			eS	21 23 59.0	6.0		
			LN		Ms=4.1	11.0	0.44
			LE			11.0	0.35
XAN	15.0	309	eP	21 21 37.2	2.2		
			LG ₂	21 26 13.0	-2.1		
			LN		Ms=4.6	13.0	1.49
			LE			12.0	0.70
TIY	15.3	326	eP	21 21 43.4	5.0		
			LN		Ms=4.1	18.0	0.75
BJI	15.7	340	eP	21 21 45.0	0.6		
SNY	16.4	1	eP	21 22 01.0	7.7		
CD2	17.9	292	(P)	21 22 07.3	-4.3		
HHC	18.2	331	P	21 22 15.2	-0.1		
CN2	18.5	5	-P	21 22 18.2	-1.1		
BTO	18.7	328	eP	21 22 18.0	-3.7		
			eS	21 25 42.0	-6.3		
LZH	19.6	308	eP	21 22 30.0	-2.9		
			PMZ			2.0	0.060
			eS	21 26 10.0	0.2		
MDJ	19.9	14	eP	21 22 35.2	-0.9		
			eS	21 26 25.0	9.2		
			LE		Ms=4.7	15.0	1.51
GTA	24.0	311	P	21 23 13.4	-4.0		
			LE		Ms=4.5	11.0	0.58

1986 3 27

O=23 46 43.1 ± 0.19s
 LAT=24.68 N ± 1.96km
 LONG=122.98 E ± 2.06km

DEPTH= 51 km ± 0.44km
 STATIONS USED = 28, STAND DEV = 2.10s

XAN	15.4	311	eP	23 50 16.0	-2.6
TIY	15.8	328	eP	23 50 28.0	4.0
BJI	16.3	341	eP	23 50 30.0	-0.8
SNY	17.1	2	eP	23 50 43.4	3.1
CD2	18.1	294	eP	23 50 52.2	-0.4
HHC	18.7	332	P	23 51 00.2	-0.2
CN2	19.2	5	+P	23 51 05.2	-0.2
BTO	19.2	329	eP	23 51 06.4	0.3
MDJ	20.6	14	eP	23 51 19.8	-0.8
GTA	24.4	313	P	23 51 58.0	-0.5

1986 3 28

O=01 59 16.8 ± 0.25s
 LAT=24.78 N ± 2.38km
 LONG=123.29 E ± 2.79km
 DEPTH= 16 km ± 0.32km
 STATIONS USED = 43, STAND DEV = 2.53s
 Ms=4.6/19,

QZH	4.3	273	cPn	02 00 21.0	-0.5		
			cSn	02 01 11.5	-1.5		
			LN		Ms=4.3	8.0	3.54
			LE			8.0	2.74
SSE	6.6	344	ePn	02 00 55.2	2.2		
			eLG ₁	02 02 39.2	-3.5		
			eLG ₂	02 02 51.5	-1.6		
			LN		Ms=4.6	10.0	2.69
			LE			7.0	3.49
WHN	9.8	308	eP	02 01 45.5	5.4		
			LG ₂	02 04 34.0	-5.4		
			LN		Ms=4.9	11.0	3.18
			LE			9.0	4.94
QZN	13.7	248	eP	02 02 38.5	5.1		
			eS	02 05 05.0	-1.6		
			LN		Ms=4.4	8.0	0.65
			LE			10.0	0.66
GYA	15.1	280	P	02 02 54.0	2.5		
			S	02 05 39.0	0.6		
			LN		Ms=4.7	9.0	1.10
			LE			9.0	1.30
XAN	15.5	310	eP	02 02 56.0	-1.2		
			LG ₁	02 07 25.0	0.3		
			LG ₂	02 07 49.0	-0.3		
			LN		Ms=5.0	9.0	2.43
			LE			10.0	2.10
BJI	16.3	340	eP	02 03 09.5	2.0		
			(S)	02 06 10.0	1.7		
			LN		Ms=4.2	10.0	0.46
SNY	17.0	1	eP	02 03 15.0	-0.8		

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		LN	Ms=4.4	15.0	1.17
CD2	18.3 294	eP	02 03 30.1	-2.1	
KMI	18.6 275	eP	02 03 34.5	-1.9	
CN2	19.1 5	+P	02 03 40.0	-1.2	
		eS	02 07 01.0	-9.0	
BTO	19.3 328	eP	02 03 45.0	1.0	
		eS	02 07 11.0	-4.5	
		LN	Ms=4.6	12.0	0.70
		LE		12.0	0.90
LZH	20.2 309	eP	02 03 54.0	0.3	
		eS	02 07 31.0	-3.7	
		LN	Ms=4.9	8.0	1.10
		LE		8.0	0.60
MDJ	20.4 13	eP	02 03 58.2	1.7	
		eS	02 07 40.0	-0.1	
		LN	Ms=4.6	15.0	1.30
GTA	24.6 312	+P	02 04 34.6	-3.0	
		LN	Ms=4.7	11.0	0.88

1986 3 28

O=02 56 26.9 ± 0.09s
 LAT=22.90 S ± 2.47km
 LONG=178.66 W ± 1.83km
 DEPTH=386 km ± 0.56km
 STATIONS USED = 68, STAND DEV = 1.02s

$m_B = 5.7 / 8$

SSE	78.8 311	eP	03 07 49.5	-0.4	
NJ2	80.9 310	-P	03 08 02.0	0.6	
		PMZ	$m_B = 5.7$	4.0	0.60
QZN	81.3 295	P	03 08 05.0	1.8	
		sP	03 10 12.0	2.5	
		eS	03 17 38.0	-3.2	
MDJ	82.1 326	-P	03 08 07.0	-0.5	
		PMZ		3.0	0.85
		pP	03 09 38.0	3.4	
		sP	03 10 18.0	4.1	
		S	03 17 41.5	-6.4	
DL2	83.1 317	-iP	03 08 11.0	-1.2	
		esP	03 10 14.0	-4.8	
		eS	03 17 49.0	-9.9	
WHN	83.4 307	P	03 08 14.0	0.2	
		PMZ	$m_B = 5.9$	4.0	0.81
SNY	83.6 321	-P	03 08 14.5	-0.7	
		sP	03 10 20.0	-1.8	
CN2	83.8 323	-iP	03 08 15.6	-0.5	
		PMZ	$m_B = 5.9$	4.0	0.90
		pP	03 09 40.0	-3.5	
		ePP	03 11 32.0	-4.4	
TIA	84.4 313	eP	03 08 19.0	-0.2	
BJI	87.2 316	eP	03 08 32.5	0.2	

GYA	87.3 300	P	03 08 33.8	0.7	
		SKS	03 18 25.0	4.3	
		S	03 18 36.0	-1.7	
		sS	03 21 11.0	-3.3	
TIY	88.4 312	eP	03 08 38.5	0.2	
		PMZ		1.6	3.22
XAN	89.1 308	P	03 08 41.6	0.2	
		epP	03 10 13.6	3.7	
		SKS	03 18 30.0	-1.7	
		cS	03 18 50.0	-5.9	
		SME	$m_B = 5.1$	9.0	0.40
KMI	89.9 297	+P	03 08 47.5	2.2	
		PMZ	$m_B = 5.8$	4.0	0.70
		S	03 19 05.5	4.3	
HHC	90.6 315	-P	03 08 48.0	-0.4	
CD2	91.6 303	cP	03 08 55.0	2.1	
		esP	03 11 02.0	1.6	
		S	03 19 14.0	-1.9	
GTA	98.0 309	+iP	03 09 23.0	0.6	

1986 3 28

O=03 11 44.9 ± 0.18s
 LAT=24.79 N ± 2.03km
 LONG=122.69 E ± 2.03km
 DEPTH=9 km ± 0.44km
 STATIONS USED = 20, STAND DEV = 2.56s
 $M_s = 4.1 / 5,$

QZH	3.7 273	ePn	03 12 43.5	0.6	
		eSn	03 13 34.5	5.6	
		LN	$M_s = 3.9$	12.0	3.12
		LE		12.0	1.64
SSE	6.4 348	ePn	03 13 19.5	-0.5	
		LN	$M_s = 4.1$	9.0	1.59
XAN	15.1 311	eP	03 15 18.8	-1.9	
		sP	03 15 27.7	-0.9	
		LN	$M_s = 4.5$	10.0	1.05
		LE		12.0	0.50
SNY	17.0 2	eP	03 15 52.0	7.2	
CN2	19.1 6	P	03 16 13.8	3.1	
LZH	19.7 309	eP	03 16 19.0	0.9	
MDJ	20.6 14	eP	03 16 25.0	-1.8	

1986 3 28

O=04 02 28.5 ± 0.21s
 LAT=24.72 N ± 2.48km
 LONG=123.06 E ± 2.34km
 DEPTH=37 km ± 1.61km
 STATIONS USED = 37, STAND DEV = 3.77s
 $M_s = 4.2 / 14,$

QZH	4.1 274	eP	04 03 38.0	8.1	
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			ScS	16 21 04.0	-0.6				TIY	55.6	324	eP	16 12 35.0	0.3		
			LE	Ms=5.1		11.0	0.79					pP	16 12 53.0	-2.6		
QZN	46.4	303	eP	16 11 24.7	-0.7							PP	16 14 44.5	3.9		
			sP	16 11 51.0	-5.0							S	16 20 19.5	8.5		
			eS	16 18 10.0	3.9							LN	Ms=5.2	14.0	0.77	
			LN	Ms=5.2		13.0	0.50					LE		13.0	0.55	
			LE			13.0	1.00		CD2	57.2	313	eP	16 12 44.9	-1.1		
NJ2	47.8	324	-P	16 11 38.9	2.3							eS	16 20 35.0	1.8		
			pP	16 11 56.3	-0.8							LE	Ms=5.4	36.0	3.64	
			ScP	16 16 51.6	2.8				HHC	58.2	327	eP	16 12 51.6	-1.9		
			S	16 18 28.0	2.7							pP	16 13 11.0	-3.4		
			SMN	m _B =5.9		10.0	1.70					ScP	16 17 37.0	3.4		
			LN	Ms=5.3		12.0	1.20					eS	16 20 50.0	2.8		
WHN	49.6	319	-P	16 11 52.1	2.0							SMN	m _B =5.1	11.0	0.33	
DL2	51.6	332	eP	16 12 05.0	-0.7							LN	Ms=5.2	15.0	0.89	
			pP	16 12 22.5	-3.9				BTO	58.9	325	P	16 12 57.0	-1.2		
			LN	Ms=5.0		10.0	0.45					S	16 21 00.0	5.2		
TIA	51.9	326	eP	16 12 07.3	0.0							LN	Ms=5.3	15.0	0.70	
			ScP	16 17 07.8	2.0							LE		15.0	1.00	
			LN	Ms=5.4		17.0	1.09		LZH	59.9	318	eP	16 13 05.5	0.2		
			LE			17.0	1.79					PMZ		1.5	0.070	
GYA	52.6	310	P	16 12 13.4	0.0							pP	16 13 22.0	-4.3		
			pP	16 12 29.4	-4.6							S	16 21 11.0	3.1		
			ScP	16 17 13.0	3.8				GTA	64.4	319	P	16 13 35.2	-0.1		
			S	16 19 41.0	9.2							pP	16 13 52.3	-4.2		
SNY	53.2	336	+iP	16 12 18.2	1.0							S	16 22 09.0	4.5		
			pP	16 12 35.0	-3.0				LSA	56.3	306	P	16 13 46.1	-1.8		
			eS	16 19 49.0	8.9				WMQ	74.5	318	P	16 14 37.6	0.7		
			LN	Ms=5.1		10.0	0.52					pP	16 14 54.2	-4.5		
MDJ	53.5	342	+P	16 12 19.0	-0.4							S	16 24 04.0	1.5		
			pP	16 12 38.0	-2.2				KSH	81.3	311	eP	16 15 12.3	-2.2		
			S	16 19 40.0	-3.0							S	16 25 16.0	0.6		
CN2	54.1	339	+P	16 12 22.8	-1.5							SMN	m _B =6.0	9.0	1.00	
			PMZ	m _B =6.0		5.0	0.90					SKS	16 25 21.0	1.0		
			ScP	16 17 17.0	1.3											
			eS	16 19 57.0	3.9											
			SMN	m _B =5.7		12.0	1.30									
			eSS	16 23 38.0	4.4											
KMI	55.1	306	-P	16 12 32.0	0.7											
			pP	16 12 48.0	-4.0											
			eS	16 20 10.0	4.0											
BJI	55.2	329	eP	16 12 32.5	0.7											
			pP	16 12 50.5	-2.3											
			eS	16 20 06.0	-1.0											
			LN	Ms=5.1		14.0	0.69									
XAN	55.3	319	+P	16 12 31.8	-1.3											
			pP	16 12 50.0	-4.0											
			ScP	16 17 24.0	3.0											
			S	16 20 07.5	-0.6											
			SMN	m _B =5.3		9.0	0.41									

1986 3 28
 O = 17 47 00.2 ± 0.24s
 LAT = 53.84 N ± 3.70km
 LONG = 160.87 E ± 2.31km
 DEPTH = 38 km ± 0.47km
 STATIONS USED = 29, STAND DEV = 1.79s

CN2	25.1	261	eP	17 52 21.6	-2.0		
TIY	36.6	264	eP	17 54 05.0	-0.3		
GTA	43.0	276	P	17 54 58.1	0.0		
WMQ	47.2	289	P	17 55 31.8	0.4		

1986 3 28
 O = 18 02 19.6 ± 0.12s
 LAT = 8.90 S ± 2.05km
 LONG = 118.97 E ± 2.67km

DEPTH = 101 km ± 0.39km
STATIONS USED = 47, STAND DEV = 1.75s

QZN	29.2	342	cP	18 08 18.0	4.2
GYA	37.1	342	P	18 09 23.6	1.0
KMI	37.3	335	cP	18 09 26.0	1.6
WHN	39.5	354	cP	18 09 43.4	1.5
NJ2	40.7	360	-P	18 09 54.0	1.8
CD2	42.2	340	cP	18 10 05.2	0.9
XAN	43.8	348	+P	18 10 16.4	-0.7
TIY	46.8	353	cP	18 10 40.8	-0.3
LSA	46.8	326	P	18 10 39.1	-2.6
LZH	47.0	343	+P	18 10 43.0	0.3
			PMZ		1.5 0.080
BJI	48.8	357	cP	18 10 56.0	-0.5
BTO	49.9	351	P	18 11 05.1	-0.6
HHC	50.0	353	cP	18 11 03.6	-2.4
SNY	50.7	4	cP	18 11 09.8	-1.2
GTA	51.2	341	+iP	18 11 15.4	-0.3
MDJ	54.1	9	cP	18 11 35.5	-1.4
WMQ	59.6	334	+P	18 12 15.0	-1.1
KSH	62.5	323	P	18 12 33.8	-1.4

LSA	51.3	273	P	18 33 07.2	-0.6
KSH	54.9	292	cP	18 33 34.8	0.5

1986 3 28

O = 19 00 50.5 ± 0.02s

LAT = 32.52 N ± 0.22km

LONG = 103.03 E ± 0.25km

DEPTH = 6 km ± 0.09km

STATIONS USED = 6, STAND DEV = 2.04s

M_L = 3.3 / 2,

CD2	1.7	159	cPn	19 01 22.2	0.8
			Pg	19 01 23.8	2.9
			Sg	19 01 48.6	4.2
			SMN	M _L = 3.3	1.0 0.18
			SME		1.2 0.50
LZH	3.6	11	cPn	19 01 49.0	1.3
			PMZ		1.0 0.040
XAN	5.2	71	Pg	19 02 21.0	-0.9
			Sg	19 03 26.8	-5.6
			SMN	M _L = 3.3	1.2 0.050
			SME		1.0 0.020

1986 3 28

O = 18 24 09.6 ± 0.07s

LAT = 48.95 N ± 2.22km

LONG = 154.77 E ± 1.45km

DEPTH = 86 km ± 0.40km

STATIONS USED = 73, STAND DEV = 1.20s

M_s = 4.5 / 2,

MDJ	17.7	265	cP	18 28 12.5	-0.2
CN2	20.8	267	cP	18 28 42.2	-3.9
SNY	22.9	264	cP	18 29 08.7	1.7
DL2	25.7	260	cP	18 29 33.0	-0.8
			LN	M _s = 4.5	13.0 0.53
BJI	28.7	267	cP	18 30 00.0	-0.8
SSE	31.0	247	-P	18 30 21.6	0.6
			PMZ		1.0 0.030
HHC	31.3	272	P	18 30 22.7	-1.5
NJ2	31.7	251	-P	18 30 26.2	-1.6
TIY	32.4	266	cP	18 30 34.0	0.4
BTO	32.4	272	cP	18 30 33.4	-0.8
WHN	35.6	254	P	18 31 01.0	0.0
XAN	36.8	264	+P	18 31 12.0	0.3
GTA	39.8	277	+iP	18 31 35.9	-0.1
CD2	42.2	264	cP	18 31 56.6	0.6
GYA	43.3	257	P	18 32 05.6	0.6
WMQ	45.2	290	P	18 32 20.0	-0.3
QZN	46.7	247	P	18 32 34.0	1.6
			cS	18 39 17.0	1.8
KMI	46.7	259	cP	18 32 32.5	-0.2

1986 3 28

O = 20 06 16.8 ± 0.25s

LAT = 24.71 N ± 3.02km

LONG = 123.38 E ± 3.22km

DEPTH = 18 km ± 0.77km

STATIONS USED = 23, STAND DEV = 3.98s

M_s = 4.4 / 5,

QZH	4.4	274	cPn	20 07 24.0	1.4
			Sn	20 08 15.0	0.2
			LN	M _s = 3.7	12.0 1.66
SSE	6.6	344	cPn	20 08 02.5	8.4
			LG ₁	20 09 52.4	6.7
			LN	M _s = 4.0	12.0 1.80
GYA	15.2	280	cP	20 09 54.8	2.3
XAN	15.6	310	cP	20 09 56.8	-1.6
			LG ₂	20 15 02.0	9.0
			LN	M _s = 4.5	12.0 1.00
			LE		12.0 0.50
TIY	16.0	327	cP	20 10 10.0	7.4
			LE	M _s = 4.4	11.0 0.81
HHC	18.9	331	cP	20 10 45.5	6.4
CN2	19.1	5	cP	20 10 44.4	2.6
BTO	19.4	328	cP	20 10 41.0	-3.9
LZH	20.3	309	cP	20 10 55.0	0.4
			PMZ		2.0 0.060
MDJ	20.5	13	cP	20 10 51.0	-5.8
GTA	24.7	312	P	20 11 34.2	-4.2
			LE	M _s = 4.6	11.5 0.69

1986 3 28
 O = 20 37 34.4 ± 0.08s
 LAT = 24.95 N ± 1.12km
 LONG = 122.42 E ± 1.25km
 DEPTH = 24 km ± 0.42km
 STATIONS USED = 6, STAND DEV = 2.88s
 Ms = 3.4 / 2,

QZH	3.5	271	cPn	20 38 25.0	-2.4		
			Sn	20 39 13.0	3.5		
			LN			Ms = 3.3	12.0 1.04
LZH	19.4	309	+P	20 42 03.5	1.2		

1986 3 28
 O = 21 19 23.0 ± 0.42s
 LAT = 1.50 S ± 1.78km
 LONG = 78.08 W ± 1.31km
 DEPTH = 164 km ± 3.94km
 STATIONS USED = 25, STAND DEV = 2.27s

SSE	145.4	330	+PKP	21 38 42.5	0.2		
LZH	145.5	357	-PKP	21 38 45.0	2.2		
XAN	147.0	349	+PKP	21 38 46.3	1.3		
CD2	150.7	357	cPKP	21 38 58.3	7.4		

1986 3 28
 O = 23 57 46.6 ± 0.19s
 LAT = 24.66 N ± 2.08km
 LONG = 123.31 E ± 2.41km
 DEPTH = 32 km ± 0.42km
 STATIONS USED = 33, STAND DEV = 2.80s
 Ms = 4.5 / 7,

QZH	4.3	275	cPn	23 58 55.8	5.6		
			LN			Ms = 4.0	7.0 1.76
SSE	6.7	344	cPn	23 59 20.5	-2.5		
GYA	15.1	280	P	24 01 24.4	4.3		
XAN	15.6	310	cP	24 01 24.0	-2.4		
			LN			Ms = 4.6	8.0 0.60
			LE				11.0 0.99
TIY	16.0	327	cP	24 01 35.4	4.4		
			LN			Ms = 4.4	12.0 0.58
			LE				10.0 0.69
BJI	16.5	340	cP	24 01 41.0	4.0		
SNY	17.1	1	cP	24 01 49.9	4.6		
CD2	18.4	294	cP	24 01 59.1	-1.9		
HHC	18.9	332	cP	24 02 10.4	3.0		
CN2	19.2	5	cP	24 02 09.6	-0.9		
BTO	19.4	328	cP	24 02 16.0	2.9		
LZH	20.3	309	cP	24 02 20.5	-1.9		
			PMZ				2.0 0.090
MDJ	20.6	13	cP	24 02 24.0	-1.4		

GTA 24.7 312 P 24 03 04.0 -2.2
 LE Ms = 4.5 11.0 0.60

1986 3 29
 O = 02 06 47.7 ± 0.11s
 LAT = 19.27 S ± 3.19km
 LONG = 67.55 W ± 6.06km
 DEPTH = 213 km
 STATIONS USED = 27, STAND DEV = 2.86s

WMQ	147.9	35	PKP	02 26 05.5	0.0		
MDJ	151.0	334	+PKP	02 26 15.0	4.8		
CN2	153.2	339	cPKP	02 26 18.8	5.3		
GYA	171.1	36	cPKP	02 26 31.8	0.6		

1986 3 29
 O = 02 58 45.8 ± 0.07s
 LAT = 37.76 N ± 1.79km
 LONG = 142.52 E ± 1.81km
 DEPTH = 33 km ± 0.78km
 STATIONS USED = 58, STAND DEV = 1.44s
 Ms = 4.7 / 14,

MDJ	11.9	309	cP	03 01 41.0	4.7		
			S	03 03 58.0	9.5		
CN2	14.3	300	cP	03 02 08.2	0.6		
SNY	15.1	292	cP	03 02 19.0	0.3		
			LN			Ms = 4.6	14.0 1.06
			LE				18.0 1.87
DL2	16.4	280	cP	03 02 35.0	-0.6		
			LN			Ms = 5.0	12.0 4.00
SSE	18.8	256	cP	03 03 03.0	-2.0		
			sP	03 03 14.0	-3.2		
			eS	03 06 30.0	-0.1		
			LN			Ms = 4.4	20.0 1.20
NJ2	20.2	261	cP	03 03 19.5	-1.2		
			LN			Ms = 4.7	13.0 1.30
BJI	20.6	285	cP	03 03 24.0	-0.9		
			LE			Ms = 4.1	13.0 0.33
TIY	23.7	279	cP	03 03 55.4	-0.9		
HHC	24.1	287	c(P)	03 03 57.0	-2.7		
WHN	24.3	261	-P	03 04 02.5	0.6		
			sP	03 04 12.3	-2.6		
			eS	03 08 18.0	1.5		
			LN			Ms = 4.7	12.0 0.88
BTO	25.3	287	cP	03 04 08.9	-2.2		
			eS	03 08 26.0	-6.6		
			LN			Ms = 4.6	13.0 0.30
			LE				13.0 0.80
XAN	27.4	272	+P	03 04 30.2	-0.4		
			pP	03 04 37.5	-2.0		
GZH	29.0	248	cP	03 04 45.0	0.4		

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LZH	30.8	279	eP	03 05 02.0	0.6
GYA	32.2	260	P	03 05 14.0	0.4
CD2	32.6	270	eP	03 05 16.4	-0.1
			(S)	03 10 28.0	-0.9
			LN	Ms=5.0	13.0 1.16
KMI	35.9	261	eP	03 05 46.0	0.2
WMQ	41.3	296	P	03 06 33.0	2.6
LSA	43.0	275	eP	03 06 44.4	-0.5

1986 3 29

O=03 42 13.1 ± 0.16s
 LAT= 8.94 N ± 2.65km
 LONG=126.50 E ± 3.37km
 DEPTH= 57 km ± 0.77km
 STATIONS USED = 43, STAND DEV = 2.64s
 Ms=4.4/ 3,

GZH	18.9	320	eP	03 46 32.0	0.3
			(S)	03 50 05.0	8.8
QZN	19.0	304	P	03 46 35.0	2.0
			LN	Ms=4.4	14.0 0.50
			LE		15.0 0.60
SSE	22.6	348	eP	03 47 09.7	-0.3
			LN	Ms=3.9	20.0 0.30
NJ2	24.1	344	eP	03 47 24.0	-0.3
GYA	25.6	315	P	03 47 43.0	3.5
TIA	28.5	344	eP	03 48 07.4	2.2
XAN	29.8	330	eP	03 48 14.0	-2.8
BJI	32.3	345	(P)	03 48 36.0	-3.2
SNY	32.9	356	eP	03 48 41.8	-2.2
HHC	34.4	340	eP	03 48 58.5	0.8
CN2	34.7	359	eP	03 49 01.0	0.8
MDJ	35.6	4	eP	03 49 08.3	0.4
GTA	38.6	326	P	03 49 30.2	-2.7
LSA	39.0	307	eP	03 49 35.4	-1.0

1986 3 29

O=05 19 07.1 ± 0.13s
 LAT=24.70 N ± 1.52km
 LONG=122.96 E ± 1.81km
 DEPTH= 36 km ± 0.34km
 STATIONS USED = 26, STAND DEV = 2.30s
 Ms=4.8/ 4,

GYA	14.8	280	P	05 22 42.0	5.9
XAN	15.4	311	eP	05 22 45.0	1.8
			LG ₂	05 27 34.0	-0.1
			LN	Ms=4.7	8.0 1.20
			LE		10.0 1.10
BJI	16.3	341	eP	05 22 57.0	1.5
CD2	18.1	294	eP	05 23 14.4	-3.0
			S	05 26 30.0	-4.2

			LN	Ms=4.9	8.0 1.38
			LE		8.0 1.10
CN2	19.2	5	eP	05 23 30.2	-0.4
BTO	19.2	329	eP	05 23 33.0	1.9
			eS	05 27 07.0	6.4
			LN	Ms=4.4	12.0 0.40
			LE		12.0 0.50
LZH	20.0	309	eP	05 23 38.0	-1.7
MDJ	20.6	14	eP	05 23 44.0	-1.9
GTA	24.4	313	+P	05 24 22.8	-1.0

1986 3 29

O=06 44 45.0 ± 0.12s
 LAT=26.07 N ± 1.03km
 LONG= 98.93 E ± 1.15km
 DEPTH= 14 km ± 0.58km
 STATIONS USED = 17, STAND DEV = 2.99s
 M_L=3.7/ 3,

KMI	3.6	104	ePn	06 45 45.0	4.5
			Pg	06 45 52.0	4.1
			Sg	06 46 41.5	4.8
			SMN		2.0 0.50
			SME		2.0 0.90
CD2	6.4	40	ePn	06 46 23.6	3.9
GYA	7.0	85	Pn	06 46 30.0	3.0
XAN	11.7	45	eP	06 47 32.3	-3.1
WHN	14.3	68	P	06 48 08.2	-1.1
BJI	20.0	42	eP	06 49 20.5	-0.2

1986 3 29

O=09 27 44.8 ± 0.24s
 LAT=25.04 N ± 2.33km
 LONG=122.79 E ± 2.48km
 DEPTH= 3 km ± 0.45km
 STATIONS USED = 18, STAND DEV = 2.54s
 Ms=3.6/ 2,

QZH	3.8	269	ePn	09 28 43.5	-1.1
			Sn	09 29 31.5	-0.4
			LN	Ms=3.7	8.0 0.83
			LE		8.0 0.97
SSE	6.2	347	ePn	09 29 15.0	-2.4
			LE	Ms=3.6	14.0 0.81
GYA	14.6	279	eP	09 31 21.6	7.0
XAN	15.0	310	eP	09 31 19.4	-0.7
			sP	09 31 26.2	-1.0
			LG ₂	09 36 10.0	9.5
CN2	18.8	6	eP	09 32 09.7	1.3
LZH	19.6	309	eP	09 32 18.0	0.1

1986 3 29

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1986 3 29					1986 3 29							
O = 13 22 57.3 ± 0.08s					O = 14 17 58.8 ± 0.08s							
LAT = 45.06 N ± 1.71km					LAT = 17.89 S ± 1.10km							
LONG = 147.40 E ± 1.00km					LONG = 178.48 W ± 1.41km							
DEPTH = 134 km ± 0.85km					DEPTH = 607 km ± 0.40km							
STATIONS USED = 41, STAND DEV = 1.26s					STATIONS USED = 72, STAND DEV = 0.62s							
MDJ	12.7	274	cP	13 25 54.0	0.4	QZH	74.6	303	+iP	14 28 39.1	-0.2	
SNY	17.6	268	cP	13 26 53.4	-2.0	SSE	75.7	310	P	14 28 45.0	-0.2	
			LE		17.0	1.05	NJ2	77.9	310	+P	14 28 57.0	0.0
DL2	20.1	261	cP	13 27 24.0	1.6	MDJ	78.1	325	+iP	14 28 58.5	0.1	
			LE		12.0	0.68	DL2	79.5	317	-P	14 29 05.0	-0.8
BJI	23.5	269	cP	13 27 55.5	-0.2	SNY	79.9	320	+iP	14 29 07.6	-0.2	
TIA	24.5	259	cP	13 28 06.4	0.7	CN2	80.0	322	+iP	14 29 07.6	-0.5	
			LE		12.0	0.74			PMZ		2.0	0.40
NJ2	25.7	249	cP	13 28 16.4	-0.3			sP	14 32 15.6	1.5		
HHC	26.4	274	+P	13 28 22.7	-1.1			cS	14 38 21.0	-3.2		
TIY	27.1	267	cP	13 28 30.6	0.9	WHN	80.5	306	+P	14 29 11.0	0.0	
BTO	27.6	274	cP	13 28 34.0	-0.6			S	14 38 30.0	1.7		
WHN	29.6	252	cP	13 28 51.0	-1.5			SME	m _B = 5.4	5.0	0.40	
XAN	31.4	263	cP	13 29 06.3	-1.6	TIA	81.2	312	cP	14 29 14.1	-0.2	
			LN		13.0	1.70	BJI	83.7	315	cP	14 29 26.5	-0.5
			LE		12.0	0.75	GYA	85.0	300	P	14 29 33.8	0.5
GZH	35.3	243	cP	13 29 42.0	0.2	TIY	85.2	312	cP	14 29 34.7	0.4	
			LN		9.0	0.74			PMZ		0.8	0.070
			LE		10.0	1.10	XAN	86.2	307	+iP	14 29 39.4	0.4
CD2	36.7	263	cP	13 29 54.0	0.3			PMZ		1.0	0.090	
			LN		9.0	1.26			S	14 39 28.6	6.0	
			LE		10.0	1.16			SMN	m _B = 5.5	5.0	0.33
GYA	37.4	254	P	13 29 59.6	0.0	HHC	87.2	314	+P	14 29 43.0	-0.9	
1986 3 29					1986 3 29							
O = 13 25 48.6 ± 0.20s					O = 15 05 43.0 ± 0.21s							
LAT = 24.92 N ± 2.58km					LAT = 17.81 S ± 3.96km							
LONG = 123.16 E ± 2.77km					LONG = 174.34 W ± 3.50km							
DEPTH = 28 km ± 0.62km					DEPTH = 35 km ± 0.55km							
STATIONS USED = 25, STAND DEV = 3.51s					STATIONS USED = 74, STAND DEV = 1.89s							
M _s = 4.6 / 5,					M _s = 5.5 / 17,							
SSE	6.4	345	cPn	13 27 20.5	-0.9							
			eLG ₂	13 29 20.5	0.9							
			LN	M _s = 3.8	14.0	1.17						
TIY	15.7	327	cP	13 29 30.6	1.0							
CD2	18.2	294	cP	13 29 54.0	-6.6							
			LN	M _s = 4.8	9.0	1.26						
			LE		10.0	1.16						
KMI	18.5	275	cP	13 30 06.0	0.8	QZH	77.9	301	cP	15 17 43.9	4.1	
CN2	18.9	5	cP	13 30 10.0	-0.1				S	15 27 34.0	5.9	
LZH	20.0	308	cP	13 30 22.0	-0.1				LN	M _s = 5.2	24.0	0.81
			PMZ		2.0	0.060	SSE	78.7	308	cP	15 17 42.0	-2.2



			pP	15 17 52.0	-2.2							SKS	15 28 52.0	-4.1
			S	15 27 40.0	3.5							S	15 29 10.0	-3.1
			LN	$M_s = 5.4$	20.0	0.60	XAN	89.3	306	+P	15 18 38.2	0.3		
			LE		21.0	1.11					pP	15 18 46.8	-1.2	
MDJ	80.4	323	cP	15 17 49.0	-4.3						cSKS	15 29 11.0	9.2	
NJ2	80.9	308	+P	15 17 56.0	0.0						cS	15 29 32.0	8.5	
GZH	81.5	297	-P	15 17 58.0	-1.1		HHC	90.0	313	+P	15 18 40.4	-0.9		
			PMZ			13.0	1.46				PMZ	$m_B = 6.1$	5.0	0.74
			eS	15 28 12.0	4.7						LN	$M_s = 5.3$	18.0	0.63
DL2	82.2	315	+P	15 18 03.0	0.1		BTO	91.0	312	+P	15 18 46.5	0.6		
			pP	15 18 11.0	-1.9						sP	15 18 57.0	-3.0	
			cS	15 28 11.0	-3.8						SKS	15 29 14.0	2.2	
			LN	$M_s = 5.6$	19.0	1.46					S	15 29 36.5	-0.3	
CN2	82.4	321	-iP	15 18 02.0	-1.6		KMI	91.3	296	+P	15 18 49.0	1.8		
			PMZ	$m_B = 5.9$	6.0	0.90					PMZ	$m_B = 6.1$	4.0	0.50
			pP	15 18 11.0	-2.6						pP	15 18 58.0	0.9	
			sP	15 18 13.5	-4.2						S	15 29 34.0	-5.2	
			cS	15 28 11.0	-5.2		CD2	92.3	302	cP	15 18 52.6	0.8		
			SMN	$m_B = 5.7$	8.0	0.50					cS	15 29 48.0	-2.2	
SNY	82.4	318	+iP	15 18 04.2	0.1						sS	15 30 03.0	-4.1	
			PMZ	$m_B = 6.0$	5.0	0.97					LE	$M_s = 5.7$	26.0	2.04
			pP	15 18 14.5	0.4		LZH	93.9	307	cP	15 19 05.0	5.6		
			S	15 28 14.0	-1.4		GTA	98.0	309	P	15 19 17.5	-0.3		
			LN	$M_s = 5.7$	43.0	3.64					LE	$M_s = 5.5$	28.0	1.43
			LE		42.0	2.15	KSH	116.2	306	cPKP	15 24 20.0	-3.8		
QZN	83.0	292	P	15 18 06.0	-0.8									
			cS	15 28 19.5	-2.9									
			LE	$M_s = 5.6$	19.0	1.40								
WHN	83.7	305	+P	15 18 11.0	0.5									
			PMZ	$m_B = 6.1$	5.0	0.95								
			SKS	15 28 31.0	5.6									
			S	15 28 34.0	6.0									
			SMN	$m_B = 5.7$	8.0	0.53								
			LN	$M_s = 5.5$	18.0	1.18								
TIA	84.4	311	cP	15 18 12.4	0.0		KSH	39.2	72	cP	18 44 09.3	1.4		
			cS	15 28 27.0	-6.5						cS	18 50 06.0	-2.4	
			SME	$m_B = 5.8$	7.0	0.54					LN	$M_s = 5.5$	14.0	3.10
			LE	$M_s = 5.4$	19.0	0.90	WMQ	46.5	62	+P	18 45 07.5	0.2		
BJI	86.5	314	cP	15 18 24.5	0.3						LE	$M_s = 5.4$	20.0	2.64
			epP	15 18 35.0	0.7		LSA	54.4	78	P	18 46 05.6	-2.3		
			cSKS	15 28 44.0	0.1						S	18 53 45.0	1.4	
			cS	15 28 55.0	-1.8						SMN	$m_B = 5.4$	5.5	0.28
			LN	$M_s = 5.2$	14.0	0.46	LZH	60.9	65	cP	18 46 52.5	-0.9		
TIY	88.1	311	+P	15 18 33.0	0.7		BTO	63.0	58	cP	18 47 05.2	-2.5		
			PMZ			1.2	0.050				cS	18 55 28.0	-9.3	
			pP	15 18 43.0	0.7						LN	$M_s = 5.2$	13.0	0.50
			S	15 29 08.0	-2.6						LE		13.0	0.50
			LE	$M_s = 5.6$	20.0	1.47	CD2	63.4	71	cP	18 47 09.6	-0.1		
GYA	88.4	298	P	15 18 35.0	1.4						(S)	18 55 34.0	-7.1	
			pP	15 18 43.6	0.0						LE	$M_s = 5.1$	26.0	1.12
							HHC	63.9	57	cP	18 47 12.5	-1.2		

1986 3 29
 O = 18 36 37.0 ± 0.25s
 LAT = 38.37 N ± 3.75km
 LONG = 25.08 E ± 2.65km
 DEPTH = 8 km ± 0.41km
 STATIONS USED = 64, STAND DEV = 2.01s
 $M_s = 5.2 / 11,$ $m_B = 5.6 / 2$

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			LN	Ms=5.2	13.0	0.61	GZH	8.9	261	eP	03 58 24.0	1.3	
XAN	65.5	65	eP	18 47 23.0	-0.8					eS	04 00 03.0	0.0	
KMI	65.6	77	+P	18 47 23.5	-1.0					LN	Ms=4.9	12.0	8.36
TIY	66.1	60	e(P)	18 47 27.2	-0.3					LE		12.0	1.95
			LE	Ms=5.3	14.0	0.82	QZN	13.4	248	eP	03 59 25.0	1.3	
BJI	67.4	56	eP	18 47 36.0	0.3					eS	04 01 48.0	-4.4	
			eS	18 56 36.0	5.5					LN	Ms=4.6	16.0	2.20
			LN	Ms=5.2	14.0	0.64				LE		16.0	1.40
GYA	67.9	73	P	18 47 40.4	1.6		GYA	14.8	280	P	03 59 49.4	7.6	
TIA	70.1	59	eP	18 47 55.9	3.5					S	04 02 34.0	9.4	
CN2	71.1	49	eP	18 48 00.0	1.4					LN	Ms=4.8	9.0	1.40
			eS	18 57 16.0	1.4					LE		9.0	1.40
			eSS	19 01 53.0	4.6		XAN	15.3	310	eP	03 59 47.4	-1.4	
SNY	71.1	51	eP	18 47 56.4	-2.2					pP	03 59 54.0	-2.1	
			S	18 57 12.5	-0.7					LG ₂	04 04 30.0	-8.5	
			LN	Ms=5.4	22.0	1.13				LN	Ms=4.8	12.0	2.25
			LE		25.0	1.04				LE		12.0	1.30
WHN	71.3	66	eP	18 48 01.0	1.4		TIY	15.7	328	eP	03 59 57.5	3.3	
NJ2	73.6	62	eP	18 48 13.0	-0.4					eS	04 02 54.5	6.7	
										LG ₂	04 04 55.0	2.7	
										LN	Ms=4.7	16.0	1.95
										LE		15.0	1.62
							BJI	16.3	341	(P)	04 00 03.0	1.8	
										eS	04 03 06.0	5.5	
										LE	Ms=4.5	14.5	1.28
							SNY	17.1	2	eP	04 00 11.6	0.6	
										eS	04 03 21.0	2.6	
										SS	04 03 40.0	1.1	
										LE	Ms=4.8	16.0	2.61
							CD2	18.0	294	eP	04 00 22.6	-0.5	
										eS	04 03 35.0	-5.4	
										LN	Ms=5.0	9.0	2.23
							KMI	18.3	275	eP	04 00 27.0	0.2	
							HHC	18.7	332	eP	04 00 31.0	-0.1	
										LN	Ms=4.7	13.0	0.98
										LE		13.0	1.50
							CN2	19.1	6	+P	04 00 36.0	-0.6	
										pP	04 00 42.0	-2.3	
										eS	04 04 06.0	0.6	
										LE	Ms=4.7	14.0	1.50
							BTO	19.2	329	eP	04 00 36.5	-0.4	
										sP	04 00 47.0	-2.1	
										eS	04 04 03.0	-3.0	
							LZH	19.9	309	eP	04 00 44.0	-1.5	
										PMZ		1.5	0.14
										eS	04 04 15.0	-8.3	
										LN	Ms=4.6	11.0	0.90
							MDJ	20.6	14	eP	04 00 52.0	0.0	
										eS	04 04 33.0	-2.6	
										LE	Ms=4.8	15.0	1.95

1986 3 29

O=23 07 13.9 ± 0.03s

LAT=26.91 N ± 0.67km

LONG=140.02 E ± 0.58km

DEPTH=554 km ± 0.22km

STATIONS USED = 21, STAND DEV = 0.52s

SSE	17.0	289	eP	23 10 42.4	0.0
NJ2	19.1	291	+P	23 11 02.8	0.1
XAN	27.7	292	-P	23 12 18.8	-0.9
GYA	29.8	277	P	23 12 37.8	-0.1
CD2	31.9	286	eP	23 12 55.8	-0.2
GTA	35.6	301	-iP	23 13 26.2	-0.9
WMQ	45.1	306	P	23 14 43.5	0.3

1986 3 30

O=03 56 13.2 ± 0.22s

LAT=24.73 N ± 2.60km

LONG=122.92 E ± 2.84km

DEPTH=33 km ± 0.61km

STATIONS USED = 58, STAND DEV = 2.95s

Ms=4.7/25,

QZH	3.9	274	eP	03 57 11.0	-1.9
			LN	Ms=4.4	12.0 7.83
			LE		12.0 4.82
SSE	6.5	347	eP	03 57 48.5	-1.0
			eLG ₁	03 59 33.0	-5.2
			eLG ₂	03 59 43.0	-5.5
			LN	Ms=4.3	10.0 3.11
NJ2	8.1	335	eP	03 58 08.0	-3.8
			LE	Ms=4.5	12.0 4.00

GTA 24.4 313 -P 04 01 29.6 -0.1
 LN Ms=4.8 11.0 1.14
 WMQ 34.4 312 P 04 03 00.0 -0.3

1986 3 30
 O=05 28 39.2 ± 0.15s
 LAT= 0.92 S ± 2.11km
 LONG=127.21 E ± 3.18km
 DEPTH= 41 km ± 0.47km
 STATIONS USED = 67, STAND DEV = 2.14s

QZN 26.2 320 P 05 34 11.8 -0.1
 SSE 32.4 350 eP 05 35 08.2 0.9
 WHN 33.6 340 eP 05 35 21.0 2.9
 GYA 33.7 325 P 05 35 18.6 -0.3
 ScP 05 41 40.8 3.5
 NJ2 33.7 347 +P 05 35 21.0 1.7
 ScP 05 41 40.5 3.0
 KMI 35.1 319 eP 05 35 31.5 0.3
 TIA 38.1 347 eP 05 35 56.4 -0.1
 CD2 38.7 327 eP 05 36 02.4 -0.9
 XAN 38.8 335 +iP 05 36 02.4 0.3
 eS 05 41 57.4 0.8
 DL2 40.0 353 eP 05 36 11.0 -0.8
 TIY 40.8 342 eP 05 36 19.5 0.7
 BJI 42.0 347 eP 05 36 27.0 -1.5
 LZH 42.8 332 eP 05 36 36.5 1.4
 PMZ 1.5 0.090
 HHC 43.9 343 -P 05 36 43.5 -1.1
 CN2 44.6 358 eP 05 36 43.8 -5.5
 MDJ 45.4 2 +P 05 36 55.8 -0.2
 LSA 45.9 315 eP 05 37 01.0 0.1
 GTA 47.3 331 -P 05 37 12.3 0.7
 WMQ 56.8 327 +P 05 38 28.6 6.1
 pP 05 38 38.0 4.5
 ScP 05 43 13.5 2.3
 S 05 46 11.5 1.6

1986 3 30
 O=08 53 52.2 ± 0.10s
 LAT=26.15 S ± 2.03km
 LONG=132.89 E ± 1.93km
 DEPTH= 8 km ± 0.24km
 STATIONS USED = 81, STAND DEV = 1.07s

Ms=5.4/28, m_B=5.8/12
 QZN 50.2 331 P 09 02 51.4 0.5
 S 09 10 02.5 1.6
 LN Ms=5.3 16.0 1.46
 LE 16.0 0.85
 GZH 52.5 337 -P 09 03 08.4 0.2
 eS 09 10 28.0 -5.6

LN Ms=5.3 13.0 0.75
 LE 15.0 0.93
 SSE 58.0 348 eP 09 03 48.3 -0.1
 eS 09 11 46.0 -1.7
 SME m_B=5.8 12.0 1.33
 eSS 09 15 40.0 1.0
 LN Ms=5.4 20.0 1.86
 GYA 58.1 332 P 09 03 49.6 0.5
 pP 09 03 54.4 0.1
 S 09 11 50.0 2.4
 ScS 09 13 37.0 2.6
 LE Ms=5.4 17.0 1.50
 KMI 58.7 328 eP 09 03 54.0 0.5
 pP 09 03 58.5 -0.1
 PP 09 06 07.0 3.0
 S 09 11 47.0 -8.6
 LE Ms=5.8 20.0 4.60
 WHN 59.1 341 -P 09 03 56.5 0.5
 sP 09 04 05.0 1.0
 S 09 12 03.0 2.2
 SME m_B=5.7 8.0 0.79
 LE Ms=5.2 16.0 0.94
 NJ2 59.4 346 +P 09 03 58.2 0.1
 S 09 12 08.0 3.3
 LE Ms=5.2 16.0 0.90
 CD2 63.2 332 -iP 09 04 24.2 0.3
 PMZ 0.8 0.080
 sP 09 04 31.0 -0.8
 iS 09 12 51.0 -3.4
 SME m_B=6.2 5.0 1.39
 LE Ms=5.7 20.0 2.96
 TIA 63.8 346 eP 09 04 26.4 -1.2
 SME m_B=5.6 9.0 0.54
 LE Ms=5.3 17.0 1.14
 XAN 64.0 338 +P 09 04 28.2 -1.2
 S 09 13 04.0 0.6
 LE Ms=5.4 14.0 1.00
 DL2 65.6 350 eP 09 04 37.7 -1.5
 sP 09 04 48.0 0.9
 S 09 13 17.0 -5.2
 ScS 09 14 30.0 -0.4
 LN Ms=5.3 14.0 0.90
 TIY 66.4 342 eP 09 04 44.0 -0.4
 PMZ 0.8 0.090
 S 09 13 36.0 4.0
 SME m_B=5.3 11.0 0.33
 LE Ms=5.0 12.0 0.36
 BJI 67.7 346 eP 09 04 52.0 -0.5
 LZH 67.7 335 eP 09 04 53.0 0.0
 eS 09 13 47.0 -2.7

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SNY	68.2	353	+P	09 04 55.2	-0.6			
			PcP	09 05 20.0	-0.8			
			S	09 13 49.0	-4.8			
			SMN	$m_B = 6.0$		12.0	1.03	
			SME			12.0	1.20	
			ScS	09 14 50.0	-0.6			
			SS	09 18 12.0	-5.6			
			LN	$M_s = 5.5$		18.0	1.47	
LSA	68.4	321	P	09 04 57.2	-0.7			
			iS	09 14 00.1	1.0			
			SME	$m_B = 5.9$		5.0	0.54	
HHC	69.5	343	+P	09 05 03.2	-1.1			
			iS	09 14 14.0	2.5			
			SMN	$m_B = 6.1$		5.0	0.86	
BTO	69.7	342	cP	09 05 05.0	-0.5			
			csP	09 05 13.0	-0.3			
			S	09 14 10.0	-2.1			
			LN	$M_s = 5.5$		18.0	1.20	
			LE			18.0	1.20	
CN2	69.9	354	+P	09 05 05.0	-1.7			
			PMZ	$m_B = 5.7$		4.0	0.40	
			pP	09 05 11.0	-0.9			
			PP	09 07 43.0	0.8			
			S	09 14 10.0	-4.6			
			SME	$m_B = 5.9$		8.0	0.80	
MDJ	70.5	358	-P	09 05 09.6	-0.4			
			PP	09 07 48.0	1.1			
			S	09 14 20.0	-1.0			
			SS	09 18 56.0	2.5			
			LN	$M_s = 5.6$		20.0	2.40	
GTA	72.2	334	+iP	09 05 20.7	0.4			
			S	09 14 44.5	4.1			
			LE	$M_s = 5.3$		20.0	1.15	
WMQ	81.0	329	P	09 06 10.5	0.5			
			S	09 16 20.0	3.2			
			LE	$M_s = 5.3$		19.0	0.79	
KSH	84.1	319	cP	09 06 28.0	2.0			
			pP	09 06 33.0	1.9			
			iS	09 16 53.0	2.8			
			LE	$M_s = 5.8$		16.0	2.20	
1986 3 30								
O = 16 04 12.3 ± 0.17s								
LAT = 24.70 N ± 1.99km								
LONG = 123.36 E ± 2.04km								
DEPTH = 17 km ± 0.43km								
STATIONS USED = 33, STAND DEV = 2.21s								
$M_s = 3.8 / 5,$								
QZH	4.3	274	cPn	16 05 19.5	1.5			
			Sn	16 06 14.7	4.5			

			LN	$M_s = 3.6$		12.0	1.20	
SSE	6.7	344	cPn	16 05 52.0	2.1			
			cLG ₂	16 07 52.0	0.0			
			LN	$M_s = 3.8$		11.0	0.95	
GYA	15.2	280	cP	16 07 53.0	5.0			
XAN	15.6	310	cP	16 07 52.0	-2.0			
			pP	16 07 57.4	-1.9			
			LG ₂	16 12 44.0	-4.3			
			LN	$M_s = 4.1$		13.0	0.57	
TIY	16.0	327	cP	16 08 02.2	3.8			
			LG ₂	16 13 09.0	9.6			
			LE	$M_s = 3.8$		13.0	0.28	
BJI	16.4	340	(P)	16 08 10.0	5.7			
CD2	18.4	294	cP	16 08 27.8	-1.0			
HHC	18.9	331	cP	16 08 35.0	0.2			
CN2	19.1	5	cP	16 08 37.4	-0.3			
BTO	19.4	328	cP	16 08 41.4	0.7			
LZH	20.3	309	cP	16 08 48.5	-1.8			
			PMZ			1.0	0.040	
GTA	24.7	312	+P	16 09 32.6	-1.5			
			LE	$M_s = 4.4$		10.0	0.38	
1986 3 30								
O = 18 03 30.7 ± 0.09s								
LAT = 5.12 S ± 1.29km								
LONG = 131.78 E ± 2.34km								
DEPTH = 70 km ± 0.37km								
STATIONS USED = 79, STAND DEV = 1.28s								
QZN	32.3	319	P	18 09 55.4	-0.1			
GZH	33.3	328	P	18 10 04.0	-0.4			
SSE	37.4	345	cP	18 10 40.0	0.9			
NJ2	39.0	342	+P	18 10 53.5	1.5			
WHN	39.2	336	-iP	18 10 55.0	1.1			
			PMZ			0.8	0.060	
GYA	39.7	323	+P	18 10 59.0	0.5			
KMI	41.2	318	+P	18 11 12.0	0.9			
TIA	43.4	343	cP	18 11 27.0	-1.2			
XAN	44.5	333	+iP	18 11 37.1	-0.7			
CD2	44.7	325	cP	18 11 39.2	-0.2			
TIY	46.3	339	P	18 11 51.2	-0.4			
			PMZ			0.6	0.040	
BJI	47.2	344	cP	18 11 58.5	-0.1			
SNY	47.3	352	-iP	18 11 59.2	-0.5			
CN2	49.0	354	cP	18 12 12.0	-1.0			
HHC	49.4	340	P	18 12 14.3	-1.4			
MDJ	49.6	358	+P	18 12 16.7	-0.3			
BTO	49.7	338	-iP	18 12 17.7	-0.6			
LSA	52.1	314	+iP	18 12 36.9	-0.1			
GTA	53.2	329	+iP	18 12 45.0	0.0			
WMQ	62.8	326	P	18 13 52.0	-0.2			

		eS	18 22 13.0	-1.9			
KSH	67.8	316	eP	18 14 27.5	3.2		
1986 3 31							
O = 01 09 08.6				± 0.12s			
LAT = 24.83 N				± 1.71km			
LONG = 122.76 E				± 1.46km			
DEPTH = 78 km				± 1.06km			
STATIONS USED = 34,				STAND DEV = 2.58s			
Ms = 4.2 / 8,							
SSE	6.4	348	eP	01 10 41.0	-1.2		
			eLG ₂	01 12 43.5	3.8		
			LN	Ms = 3.8	12.0	1.20	
NJ2	8.0	335	eP	01 11 02.3	-1.7		
			LN	Ms = 4.1	13.0	1.60	
DL2	14.1	356	eP	01 12 25.0	-0.7		
			LN	Ms = 4.2	12.0	0.76	
GYA	14.6	280	P	01 12 41.8	9.0		
XAN	15.1	310	eP	01 12 38.4	-1.2		
			LG ₁	01 17 13.0	8.8		
			LE	Ms = 4.4	11.0	0.90	
TIY	15.6	328	eP	01 12 50.2	5.1		
			LN	Ms = 4.1	11.0	0.25	
			LE		11.0	0.44	
BJI	16.1	342	eP	01 12 52.0	-0.2		
SNY	17.0	2	eP	01 13 03.1	0.6		
CD2	17.9	294	eP	01 13 12.7	-0.8		
			eS	01 16 37.0	9.7		
			LE	Ms = 4.4	8.0	0.55	
CN2	19.1	6	eP	01 13 26.0	-1.5		
LZH	19.8	309	eP	01 13 36.5	1.3		
			PMZ		2.0	0.090	
MDJ	20.5	14	eP	01 13 42.3	-0.5		
GTA	24.2	312	P	01 14 20.4	1.3		

1986 3 31							
O = 01 19 22.4				± 0.34s			
LAT = 6.84 N				± 2.70km			
LONG = 73.18 W				± 2.12km			
DEPTH = 148 km				± 2.68km			
STATIONS USED = 34,				STAND DEV = 2.29s			
WMQ	126.7	17	PKP	01 38 10.5	0.9		
GTA	133.5	7	-iPKP	01 38 24.3	1.6		
XAN	139.3	357	PKP	01 38 24.8	-8.5		
CD2	142.4	4	ePKP	01 38 36.2	-2.5		
GYA	146.9	0	PKP	01 38 50.4	3.9		

1986 3 31							
O = 03 32 01.1				± 0.08s			
LAT = 35.36 N				± 0.62km			

LONG = 103.46 E				± 0.85km			
DEPTH = 11 km				± 0.32km			
STATIONS USED = 7,				STAND DEV = 2.64s			
				M _L = 3.4 / 7,			
LZH	0.8	24	+Pg	03 32 15.5	0.1		
			Sg	03 32 29.0	3.0		
			SMN	M _L = 3.4	0.5	1.07	
			SME		0.5	1.09	
CD2	4.4	177	ePg	03 33 21.4	1.6		
			Sg	03 34 11.1	-9.4		
			SMN	M _L = 3.2	1.2	0.040	
			SME		1.2	0.040	
GTA	5.0	325	+iPn	03 33 16.1	-0.2		
			Pg	03 33 32.9	4.0		
			Sg	03 34 44.0	7.1		
			SMN	M _L = 3.8	0.8	0.12	
			SME		0.8	0.10	

1986 3 31							
O = 07 08 52.4				± 0.15s			
LAT = 16.65 S				± 2.07km			
LONG = 167.20 E				± 2.18km			
DEPTH = 47 km				± 0.45km			
STATIONS USED = 23,				STAND DEV = 2.96s			
MDJ	69.9	332	eP	07 20 01.6	0.2		
CN2	71.2	329	P	07 20 08.0	-1.3		
BJI	73.7	322	(P)	07 20 24.5	0.6		
XAN	74.9	313	eP	07 20 31.4	0.3		
GTA	83.9	314	+P	07 21 20.5	0.7		

1986 3 31							
O = 10 55 29.6				± 0.20s			
LAT = 24.48 N				± 2.27km			
LONG = 123.58 E				± 2.35km			
DEPTH = 11 km				± 0.55km			
STATIONS USED = 17,				STAND DEV = 2.48s			
Ms = 4.0 / 2,				M _L = 4.5 / 1,			
QZH	4.6	277	cPn	10 56 40.5	1.6		
			eSn	10 57 34.5	0.6		
			SMN	M _L = 4.5	0.9	1.14	
			SME		0.9	0.48	
XAN	15.9	310	eP	10 59 18.0	2.3		
CD2	18.7	294	eP	10 59 49.0	-1.1		
HHC	19.2	331	eP	10 59 55.0	-1.1		
CN2	19.3	4	eP	10 59 57.0	-0.9		
LZH	20.5	309	eP	11 00 09.5	-1.9		
GTA	25.0	312	eP	11 00 52.0	-3.0		

1986 3 31							
O = 11 55 40.2				± 0.16s			

LAT=37.59 N	± 4.03km
LONG=121.93 W	± 2.70km
DEPTH= 11 km	± 1.24km
STATIONS USED = 37, STAND DEV = 2.37s	
Ms=5.7/ 4,	
MDJ 75.8 316 eP	12 07 29.5 0.6
CN2 78.6 317 eP	12 07 40.0 -4.5
SNY 80.9 316 eP	12 07 49.3 -7.8
	PP 12 10 56.0 -6.9
	S 12 18 07.0 3.6
	SS 12 23 20.0 -0.5
	LN Ms=5.7 22.0 1.75
	LE 20.0 1.14
BJI 86.2 319 eP	12 08 26.0 2.3
HHC 87.9 322 P	12 08 34.0 1.9
TIA 88.5 316 eP	12 08 34.7 -0.1
BTO 88.8 323 eP	12 08 36.5 -0.1
	eS 12 19 29.0 6.5
	LN Ms=5.7 20.0 1.40
	LE 20.0 1.50
TIY 89.8 320 eP	12 08 44.0 2.6
	S 12 19 32.0 2.0
	LE Ms=5.6 20.5 1.38
GTA 94.3 329 eP	12 09 05.0 2.9
	eS 12 20 07.2 -4.2
	LN Ms=5.8 18.0 1.86
XAN 94.5 320 eP	12 09 02.8 0.0
WMQ 94.6 339 eP	12 09 07.0 3.5

1986 3 31

O=13 01 19.9 ± 0.18s

LAT= 4.82 S ± 2.14km

LONG=151.91 E ± 2.61km

DEPTH=128 km ± 0.78km

STATIONS USED = 36, STAND DEV = 1.98s

WHN 50.3 317 -P	13 10 07.0 1.5
GYA 53.7 308 P	13 10 32.8 1.4
TIY 56.0 323 eP	13 10 47.6 -0.4
	LN 15.0 0.44
XAN 56.0 317 -iP	13 10 48.0 -0.2
KMI 56.3 304 eP	13 10 50.5 0.5
CD2 58.1 311 eP	13 11 03.3 0.7
BTO 59.3 324 -iP	13 11 11.4 0.4
LZH 60.6 316 eP	13 11 20.0 -0.3
GTA 65.1 318 +P	13 11 49.7 0.1
WMQ 75.2 318 P	13 12 50.5 -0.2

1986 3 31

O=14 35 48.4 ± 0.20s

LAT= 3.16 S ± 2.88km

LONG=129.06 E ± 5.31km

DEPTH= 79 km ± 1.17km

STATIONS USED = 20, STAND DEV = 3.90s

KMI 38.0 319 P	14 43 03.0 2.1
	S 14 48 36.5 -9.4
XAN 41.6 334 eP	14 43 28.8 -1.7
BJI 44.6 346 eP	14 44 02.0 7.2
CN2 46.9 356 eP	14 44 20.0 7.2
LSA 48.8 315 P	14 44 23.3 -5.3
GTA 50.2 330 P	14 44 38.9 0.2
WMQ 59.7 326 eP	14 45 46.0 -1.6

1986 3 31

O=15 19 26.3 ± 0.06s

LAT=12.16 N ± 1.27km

LONG=143.85 E ± 1.28km

DEPTH= 31 km ± 0.19km

STATIONS USED = 24, STAND DEV = 1.07s

BJI 37.0 324 eP	15 26 34.0 -1.0
GYA 37.7 298 eP	15 26 43.4 2.0
XAN 38.5 310 eP	15 26 47.8 -0.3
CD2 41.4 303 eP	15 27 12.8 0.7
GTA 47.4 313 P	15 28 00.0 -0.2
WMQ 57.4 314 P	15 29 14.5 -0.5

1986 3 31

O=16 30 42.8 ± 0.05s

LAT=35.41 N ± 0.98km

LONG=137.01 E ± 0.62km

DEPTH=311 km ± 0.96km

STATIONS USED = 19, STAND DEV = 1.11s

MDJ 10.8 331 eP	16 33 13.0 1.2
CN2 12.2 317 +P	16 33 30.0 0.8
DL2 12.8 290 -iP	16 33 36.2 0.6
TIY 19.9 284 P	16 34 52.0 -0.4
XAN 23.1 275 eP	16 35 23.4 -0.2
GYA 27.4 259 P	16 36 02.4 -0.7
GTA 29.7 289 P	16 36 22.7 -0.3

1986 3 31

O=20 39 46.5 ± 0.15s

LAT= 7.60 S ± 4.68km

LONG= 73.86 W ± 7.30km

DEPTH=154 km

STATIONS USED = 28, STAND DEV = 3.02s

BJI 146.5 346 ePKP	20 59 09.0 0.0
HHC 146.5 353 ePKP	20 59 07.0 -2.2
BTO 147.0 355 ePKP	20 59 11.8 1.9
GTA 147.8 9 PKP	20 59 11.2 -0.2
LZH 151.6 4 ePKP	20 59 22.0 4.8

XAN	153.6	355	ePKP	20 59 19.6	2.1		
1986 3 31							
O=	21 43 18.5			± 0.20s			
LAT=	25.82 N			± 2.16km			
LONG=	100.45 E			± 1.73km			
DEPTH=	22 km			± 0.84km			
STATIONS USED = 10, STAND DEV = 4.69s							
M _L = 4.1 / 2,							
KMI	2.2	108	Pn	21 43 49.8	-4.5		
			Pg	21 44 05.0	7.8		
			Sn	21 44 27.0	4.9		
			Sg	21 44 37.0	9.8		
GYA	5.6	82	P*	21 44 49.8	-1.5		
CD2	5.8	29	Pn	21 44 46.6	2.2		
			Pg	21 45 03.2	1.4		
			Sg	21 46 18.9	-2.9		
			SMN	M _L = 3.8	1.4	0.10	
			SME		1.2	0.060	
XAN	11.0	40	eP	21 45 52.2	-5.7		

BJI	33.0	74	P	22 00 40.5	0.6
WHN	34.4	91	-P	22 00 53.5	0.8
NJ2	37.4	86	eP	22 01 19.0	1.6
CN2	39.1	65	eP	22 01 31.4	0.0

1986 3 31							
O=	21 54 14.4			± 0.08s			
LAT=	38.44 N			± 1.76km			
LONG=	73.38 E			± 1.24km			
DEPTH=	121 km			± 0.46km			
STATIONS USED = 49, STAND DEV = 1.76s							
M _L = 5.4 / 3,							
KSH	2.3	63	iP	21 54 52.8	0.6		
			iS	21 55 20.8	0.8		
			SMN	M _L = 5.6	0.5	35.8	
WMQ	12.1	59	P	21 57 01.0	-2.5		
			LE		4.0	1.13	
LSA	17.1	115	P	21 58 06.3	-1.5		
			S	22 01 19.0	7.7		
			SME		3.0	0.51	
GTA	20.6	79	+iP	21 58 46.3	0.6		
			S	22 02 27.7	4.5		
			LE		8.0	0.60	
LZH	24.3	86	eP	21 59 23.5	1.2		
			pP	21 59 52.0	4.9		
CD2	26.0	98	eP	21 59 40.4	2.3		
KMI	28.1	110	eP	22 00 03.0	5.3		
BTO	28.2	74	eP	21 59 58.0	-0.4		
XAN	28.9	88	+P	22 00 03.4	-0.9		
HHC	29.3	73	eP	22 00 07.0	-1.5		
GYA	30.4	103	P	22 00 19.6	2.2		
			S	22 05 16.4	9.5		
			ScP	22 06 47.0	3.3		
TIY	30.6	79	e(P)	22 00 20.0	0.5		