

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)
1986 10 1 O=03 57 52.0 \pm 0.09s LAT=28.96 N \pm 2.83km LONG=51.34 E \pm 1.48km DEPTH=7 km \pm 0.50km STATIONS USED = 29, STAND DEV= 1.86s															
KSH	22.8	56	cP	04 02 52.0	-5.5			SSE	16.9	350	LE			15.0	2.90
WMQ	32.5	53	cP	04 04 26.0	-0.3						cP	06 55 25.2	0.9		
GTA	41.0	62	-P	04 05 39.2	1.1						pP	06 55 31.0	2.0		
GYA	48.7	79	P	04 06 40.0	0.5						cS	06 58 31.0	-0.5		
XAN	48.8	69	cP	04 06 43.4	2.9						sS	06 58 43.0	3.8		
TIY	51.0	63	cP	04 06 57.1	-0.2						SS	06 58 53.0	1.7		
BJI	53.5	60	cP	04 07 14.0	-2.0						LN	Ms=4.9	16.0	2.54	
TIA	55.0	64	cP	04 07 26.6	-0.2						LE		14.0	1.95	
1986 10 1 O=05 40 51.0 \pm 0.09s LAT=25.34 S \pm 0.60km LONG=177.50 W \pm 1.26km DEPTH=142 km \pm 0.52km STATIONS USED = 21, STAND DEV= 2.63s															
MDJ	84.7	325	cP	05 53 10.5	-0.6			NJ2	18.3	344	-P	06 55 41.5	-0.6		
SNY	86.2	320	cP	05 53 17.0	-1.3						S	06 59 06.0	2.6		
CN2	86.4	322	cP	05 53 19.0	-0.3						LN	Ms=5.2	10.5	4.20	
TIA	86.9	313	cP	05 53 22.2	0.6			WHN	18.6	331	cP	06 55 45.0	-0.6		
BJI	89.6	315	cP	05 53 24.5	-10.2						sP	06 55 52.0	-1.9		
TIY	90.8	312	-P	05 53 41.4	1.0						cS	06 59 09.0	-1.5		
1986 10 1 O=06 51 25.6 \pm 0.14s LAT=14.39 N \pm 2.10km LONG=124.58 E \pm 3.19km DEPTH=11 km \pm 0.39km STATIONS USED = 77, STAND DEV= 2.31s Ms=5.0 / 35, m_B=5.2 / 4															
QZH	11.9	333	cP	06 54 17.0	-1.8						SMN	m _B =5.3	10.0	1.85	
			S	06 56 34.0	1.5						LN	Ms=4.8	14.0	2.08	
			LN	Ms=4.4	12.5	1.27		GYA	20.6	308	P	06 56 06.0	-2.0		
			LE		12.5	0.88					sP	06 56 16.0	-0.4		
GZH	13.7	311	cP	06 54 47.5	4.8						PP	06 56 30.0	1.3		
			cS	06 57 21.0	4.9						S	06 59 47.0	-5.7		
			LN	Ms=5.0	12.0	2.22					SS	07 00 13.0	-9.9		
			LE		13.0	4.59					LN	Ms=5.2	15.0	3.80	
QZN	14.9	290	cP	06 55 03.8	6.1						LE		15.0	2.80	
			cS	06 57 49.0	5.7			TIA	22.7	344	cP	06 56 28.3	-1.0		
			LN	Ms=4.9	14.0	3.20					cS	07 00 35.5	2.2		
											SME	m _B =5.3	10.0	1.12	
											sS	07 00 43.0	0.9		
											LE	Ms=5.1	13.0	2.70	
								KMI	23.1	301	+P	06 56 34.0	0.6		
											pP	06 56 43.0	4.4		
											S	07 00 37.0	-2.6		
											sS	07 00 50.0	0.8		
											LN	Ms=5.1	15.0	3.27	
								XAN	24.2	327	+iP	06 56 42.7	-0.5		
											sP	06 56 48.5	-3.1		
											cS	07 00 52.5	-5.9		
											LN	Ms=5.0	12.0	1.28	
											LE		13.0	1.45	
								DL2	24.6	354	cP	06 56 50.4	3.4		
											sP	06 56 57.5	2.0		
											S	07 01 08.0	3.7		
											LN	Ms=5.2	16.0	1.90	
											LE		14.0	2.73	
								CD2	25.2	314	P	06 56 52.0	-1.4		
											S	07 01 16.2	0.7		
											LN	Ms=5.4	14.0	4.90	
								TIY	25.6	337	cP	06 56 57.0	-0.2		



LONG = 126.27 E ± 0.69km
 DEPTH = 221 km ± 1.43km
 STATIONS USED = 23, STAND DEV = 2.79s

XAN	29.0	329	eP	10 42 28.7	-2.5
TIY	30.6	338	eP	10 42 43.5	-1.5
BJI	31.5	345	eP	10 42 53.0	-0.3
SNY	32.1	356	-iP	10 42 58.8	0.6
CN2	34.0	359	eP	10 43 14.0	-0.4
MDJ	34.9	4	eP	10 43 22.7	0.4

1986 10 1
 O = 11 11 42.9 ± 0.12s
 LAT = 41.92 N ± 2.06km
 LONG = 76.74 E ± 1.68km
 DEPTH = 14 km ± 0.35km
 STATIONS USED = 38, STAND DEV = 2.41s
 Ms = 4.3 / 3, ML = 4.6 / 4,

KSH	2.5	193	+iPn	11 12 28.0	3.8
			iSn	11 13 03.0	6.4
			SME	ML = 5.4	0.5 22.8
WMQ	8.3	73	P	11 13 43.2	-2.5
			S	11 15 17.0	-2.5
			LE		1.5 0.65
GTA	17.7	90	P	11 15 50.1	-0.8
			sP	11 15 55.3	-4.1
			LG ₁	11 21 05.0	6.9
			LE	Ms = 4.2	11.0 0.50
LZH	21.8	97	eP	11 16 35.5	-1.6
CD2	24.3	108	eP	11 17 05.6	4.5
BTO	25.0	82	eP	11 17 10.0	2.0
			eS	11 21 32.0	3.1
HHC	26.0	81	eP	11 17 18.7	0.5
XAN	26.4	97	eP	11 17 20.3	-1.5
TIY	27.6	87	eP	11 17 34.7	2.2
			S	11 22 20.5	9.2
			LE	Ms = 4.3	11.0 0.31
GYA	29.0	113	eP	11 18 02.4	18.2
WHN	32.2	98	eP	11 18 16.0	3.2

1986 10 1
 O = 13 00 05.6 ± 0.13s
 LAT = 5.58 S ± 1.55km
 LONG = 128.65 E ± 1.98km
 DEPTH = 340 km ± 0.84km
 STATIONS USED = 86, STAND DEV = 1.29s
 m_B = 5.6 / 29

QZN	30.7	323	+P	13 05 52.6	0.6
			pP	13 06 58.0	2.0
			iS	13 10 29.0	-0.6
			SMN	m _B = 5.4	10.0 1.10

			SME		10.0	
			SS	13 12 49.0	3.5	
QZH	31.9	343	eP	13 06 07.2	-0.1	
			S	13 10 44.0	-3.4	
			SMN	m _B = 5.4	8.0	0.63
			SME		7.0	1.11
			SS	13 13 10.0	-1.3	
GZH	32.2	333	-iP	13 06 05.0	0.2	
			eS	13 10 47.0	-5.8	
			SMN	m _B = 5.2	10.0	0.66
			SME		10.0	0.75
SSE	37.2	349	+iP	13 06 47.4	0.6	
			PMZ		1.2	0.060
			iS	13 12 06.0	-2.8	
			SME	m _B = 5.6	8.0	1.86
			ScP	13 12 12.4	0.4	
			SS	13 15 00.0	3.1	
GYA	38.3	327	+P	13 06 57.0	0.4	
			pP	13 08 04.0	1.1	
			PcP	13 09 04.0	1.2	
			ScP	13 12 18.8	2.4	
			S	13 12 24.0	-1.3	
			SME	m _B = 5.4	6.0	0.80
			ScS	13 16 28.0	1.5	
WHN	38.4	340	+iP	13 06 58.0	0.6	
			iS	13 12 26.0	-2.0	
			SME	m _B = 5.5	9.0	1.41
NJ2	38.6	347	-iP	13 07 00.0	1.5	
			ScP	13 12 18.5	1.2	
			iS	13 12 29.0	-0.8	
			SME	m _B = 5.6	6.0	1.30
			ScS	13 16 30.0	2.0	
KMI	39.6	322	+P	13 07 08.0	1.0	
			PMZ		3.0	0.70
			sP	13 08 56.0	4.5	
			iS	13 12 45.0	-0.3	
			SMN	m _B = 5.7	5.0	0.96
			SME		5.0	0.68
TIA	43.0	346	eP	13 07 33.4	-0.7	
			S	13 13 30.5	-2.5	
			SME	m _B = 5.6	9.0	1.33
			ScS	13 16 58.0	3.6	
CD2	43.4	328	-iP	13 07 37.5	-0.2	
			PMZ		0.6	0.12
			iS	13 13 35.1	-5.3	
			ScS	13 16 58.8	1.7	
XAN	43.6	336	P	13 07 38.5	-0.8	
			iS	13 13 38.5	-4.9	
			ScS	13 16 59.5	1.1	
TIY	45.6	342	+P	13 07 55.0	-0.5	

STATIONS USED = 35, STAND DEV = 3.36s

Ms=4.1 / 4,

SSE	7.7	291	ePn	17 33 24.2	-1.7		
			LN		Ms=4.0	11.0	0.71
			LE			10.0	0.98
NJ2	9.9	293	c(P)	17 34 02.2	3.7		
			LN		Ms=4.4	8.0	1.40
WHN	13.4	282	eP	17 34 50.0	3.8		
SNY	14.0	341	eP	17 34 55.8	1.4		
CN2	15.5	349	eP	17 35 16.0	2.6		
BJI	15.9	319	eP	17 35 17.0	-1.1		
TIY	17.0	307	eP	17 35 29.2	-3.0		
			LN		Ms=4.1	12.0	0.35
			LE			11.0	0.22
XAN	18.5	292	eP	17 35 49.6	-1.2		
HHC	19.1	314	eP	17 35 58.0	-1.1		
BTO	20.0	312	eP	17 36 06.6	-2.0		
GYA	20.4	269	P	17 36 13.0	-0.4		
CD2	22.5	282	eP	17 36 32.4	-1.9		
			eS	17 40 32.5	-2.6		
LZH	22.9	295	eP	17 36 37.0	-1.5		
GTA	26.8	301	P	17 37 13.5	-1.8		

1986 10 1

O=17 52 07.5 ± 0.49s

LAT=28.67 N ± 1.45km

LONG=129.82 E ± 2.38km

DEPTH= 42 km ± 2.22km

STATIONS USED = 19, STAND DEV = 3.03s

Ms=3.9 / 3,

WHN	13.6	282	eP	17 55 18.5	-1.6		
CN2	15.5	348	eP	17 55 49.0	4.0		
BJI	16.0	319	eP	17 55 47.0	-3.9		
XAN	18.6	292	eP	17 56 23.7	-0.4		
BTO	20.1	311	eP	17 56 39.8	-1.2		
GYA	20.6	269	eP	17 56 48.0	1.6		
CD2	22.7	282	eP	17 57 06.3	-0.8		
LZH	23.1	295	eP	17 57 10.5	-0.6		
GTA	27.0	301	P	17 57 46.6	-1.0		
			LN		Ms=4.1	18.0	0.30

1986 10 1

O=19 53 39.2 ± 0.07s

LAT=44.39 N ± 0.40km

LONG= 9.82 E ± 1.19km

DEPTH= 24 km ± 0.15km

STATIONS USED = 11, STAND DEV = 0.75s

GTA	63.8	60	P	20 04 12.1	-0.7		
XAN	72.9	59	P	20 05 09.5	0.5		
GYA	76.6	66	eP	20 05 30.2	-0.1		

1986 10 1

O=20 44 36.0 ± 0.13s

LAT=33.47 N ± 0.83km

LONG=119.44 E ± 1.14km

DEPTH= 24 km ± 0.35km

STATIONS USED = 18, STAND DEV = 2.18s

M_L=3.9 / 12,

NJ2	1.5	200	iPn	20 45 03.0	1.1		
			Pg	20 45 04.9	2.2		
			Sn	20 45 18.1	-4.2		
			Sg	20 45 26.0	2.7		
			SMN		M _L =3.8	0.2	1.30
			SME			0.2	1.40
SSE	2.8	148	-iPn	20 45 19.0	-0.6		
			Pg	20 45 25.4	0.1		
			Sn	20 45 50.4	-3.9		
			S*	20 46 01.0	4.5		
			SMN		M _L =3.7	0.4	0.28
			SME			0.4	0.39
TIA	3.3	326	cPn	20 45 27.5	0.2		
			Pg	20 45 37.0	2.0		
			S*	20 46 18.0	5.8		
			SMN		M _L =4.0	1.0	0.44
			SME			1.0	0.47
WHN	5.2	237	ePn	20 45 53.5	0.5		
			Pg	20 46 14.0	5.9		
			Sg	20 47 23.0	3.5		
			LN			0.5	0.20
			LE			0.8	0.24
DL2	5.7	17	Pg	20 46 20.0	3.1		
			cSg	20 47 27.0	-8.0		
			SMN		M _L =3.9	1.0	0.090
			SME			1.0	0.11
TIY	7.1	309	cPg	20 47 01.7	20.1		
			Sg	20 48 18.7	-0.1		
			SMN		M _L =3.7	1.0	0.030
			SME			1.0	0.040
XAN	8.8	277	eP	20 46 43.9	-0.9		
GTA	16.9	296	eP	20 48 32.2	-0.3		

1986 10 2

O=03 52 28.9 ± 0.09s

LAT= 3.85 S ± 0.76km

LONG=141.27 E ± 0.51km

DEPTH= 64 km ± 0.85km

STATIONS USED = 16, STAND DEV = 1.16s

XAN	48.5	324	eP	04 01 08.0	0.3		
BJI	49.4	335	eP	04 01 14.0	-0.5		
CN2	49.5	345	eP	04 01 15.0	-0.6		

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CD2	49.7	317	cP	04 01 17.8	0.4		
GTA	57.5	323	P	04 02 15.0	0.3		
WMQ	67.5	321	P	04 03 22.0	1.0		
1986 10 2							
O=07 38 55.8				± 0.06s			
LAT= 3.04 S				± 0.88km			
LONG=147.56 E				± 1.44km			
DEPTH= 5 km				± 0.69km			
STATIONS USED = 14, STAND DEV = 1.37s							
XAN	51.8	319	cP	07 48 08.4	1.1		
CD2	53.7	312	cP	07 48 23.2	2.1		
GTA	60.9	319	cP	07 49 12.0	-0.3		
1986 10 2							
O=10 12 44.9				± 0.05s			
LAT=34.75 N				± 0.83km			
LONG= 28.25 E				± 0.95km			
DEPTH= 51 km				± 0.49km			
STATIONS USED = 81, STAND DEV = 0.85s							
Ms=4.7/ 2,							
KSH	38.0	69	cP	10 20 01.0	0.7		
			cS	10 25 50.5	2.0		
			sS	10 26 02.0	-7.9		
WMQ	46.0	60	P	10 21 05.6	-0.1		
			PMZ		2.0	0.28	
			PP	10 22 56.5	3.3		
			ScP	10 26 26.5	-1.6		
			S	10 27 49.0	3.9		
GTA	55.9	63	-iP	10 22 20.0	-0.7		
			PMZ		2.0	0.51	
			pP	10 22 30.7	-2.8		
			PcP	10 23 18.6	1.1		
			LN	Ms=4.6	26.0	0.44	
LZH	60.1	65	-iP	10 22 49.5	-0.5		
			PMZ		1.0	0.19	
CD2	62.2	70	+iP	10 23 03.3	-0.5		
			PMZ		1.0	0.17	
BTO	62.8	58	-iP	10 23 08.0	0.0		
HHC	63.7	57	cP	10 23 15.0	0.6		
KMI	64.0	76	-P	10 23 15.0	-0.9		
XAN	64.7	65	-iP	10 23 21.6	0.9		
TIY	65.7	60	-iP	10 23 27.0	0.1		
			PMZ		0.9	0.10	
			cS	10 32 03.5	-4.0		
			LN	Ms=4.8	10.0	0.18	
GYA	66.4	73	-P	10 23 30.8	-1.0		
			pP	10 23 43.0	-1.9		
BJI	67.3	56	-iP	10 23 37.0	0.2		
WHN	70.4	66	P	10 23 56.0	-0.3		

			cS	10 33 06.0	2.1		
SNY	71.3	52	-iP	10 24 01.5	-0.4		
DL2	71.5	55	P	10 24 02.8	-0.2		
CN2	71.5	49	-iP	10 24 02.9	-0.2		
			cS	10 33 18.0	1.0		
QZN	72.7	79	P	10 24 11.0	1.1		
NJ2	73.0	63	-iP	10 24 12.0	0.2		
GZH	73.4	73	-iP	10 24 14.8	0.8		
MDJ	73.7	47	cP	10 24 14.0	-1.6		
SSE	75.2	62	cP	10 24 24.0	-0.6		
			PMZ			1.0	0.050

1986 10 2							
O=17 12 27.4				± 0.08s			
LAT=85.14 N				± 1.28km			
LONG= 15.72 E				± 1.22km			
DEPTH= 9 km				± 0.16km			
STATIONS USED = 43, STAND DEV = 1.24s							
WMQ	45.0	103	cP	17 20 47.2	1.3		
CN2	48.2	66	cP	17 21 09.0	-1.8		
SNY	50.0	68	cP	17 21 24.0	-0.8		
BTO	50.1	82	cP	17 21 25.0	-0.7		
GTA	50.4	92	-P	17 21 27.8	-0.3		
BJI	51.2	76	cP	17 21 34.5	0.8		
LZH	54.1	88	cP	17 21 55.0	-0.5		
TIA	55.1	75	cP	17 22 02.3	-0.3		
XAN	56.6	84	P	17 22 13.0	-0.2		
CD2	59.2	89	cP	17 22 31.9	-0.1		
NJ2	59.4	74	cP	17 22 29.6	-3.2		
WHN	60.5	79	cP	17 22 39.5	-1.0		
SSE	60.5	72	cP	17 22 39.0	-1.6		
			sP	17 22 46.8	-1.9		
GYA	63.9	87	P	17 23 03.8	0.3		
			sP	17 23 11.0	-0.4		

1986 10 2							
O=17 17 56.5				± 0.06s			
LAT=85.29 N				± 0.94km			
LONG= 15.53 E				± 0.79km			
DEPTH= 9 km				± 0.08km			
STATIONS USED = 50, STAND DEV = 0.82s							
WMQ	45.1	103	P	17 26 16.4	1.0		
MDJ	47.7	62	cP	17 26 34.0	-1.6		
CN2	48.2	66	cP	17 26 38.0	-1.6		
SNY	50.0	68	-P	17 26 53.0	-0.5		
BTO	50.1	82	cP	17 26 55.0	0.2		
GTA	50.5	92	-P	17 26 57.0	-0.4		
BJI	51.2	76	cP	17 27 03.0	0.4		
TIY	53.2	80	cP	17 27 18.7	0.9		
LZH	54.1	88	-P	17 27 24.5	-0.1		

PMZ							1.5	0.050	LN							
TIA	55.1	75	-P	17 27 31.4	-0.1			TIA	34.5	345	+P	20 22 19.7	0.9	Ms=4.8	15.0	0.97
XAN	56.6	83	P	17 27 42.2	-0.1						cS	20 27 41.0	-2.4			
CD2	59.2	89	P	17 28 01.2	0.1						LE			Ms=4.8	10.5	0.65
SSE	60.5	72	cP	17 28 08.4	-1.1			XAN	35.5	333	-P	20 22 26.3	-0.7			
			sP	17 28 16.0	-1.7						S	20 27 57.0	-0.2			
WHN	60.5	78	cP	17 28 08.0	-1.5						LN			Ms=4.7	10.0	0.43
GYA	63.9	87	-P	17 28 32.8	0.2			CD2	35.7	324	P	20 22 27.8	-1.3			
											S	20 27 58.5	-2.4			
											LN			Ms=5.0	19.0	1.72
								DL2	36.3	352	cP	20 22 34.2	0.6			
											S	20 28 09.0	-0.4			
											LN			Ms=4.9	14.0	0.90
								TIY	37.3	340	+P	20 22 42.5	0.1			
											PMZ				1.0	0.070
											S	20 28 28.0	2.8			
											SMN			m _B =5.6	7.0	0.85
											sS	20 28 43.0	-2.4			
											SS	20 30 50.0	-8.4			
											ScS	20 32 50.0	0.7			
											LN			Ms=4.9	16.0	0.52
											LE				15.0	0.76
								BJI	38.4	346	P	20 22 51.0	-0.4			
											PMZ				1.0	0.080
											S	20 28 39.0	-2.7			
											SMN			m _B =6.0	7.0	1.73
											SME				5.0	0.73
											LN			Ms=4.6	14.0	0.44
								SNY	38.9	356	-P	20 22 56.2	0.1			
											S	20 28 48.0	-2.4			
											LN			Ms=5.0	19.0	0.90
											LE				19.0	1.00
								LZH	39.6	330	P	20 23 01.5	0.0			
											PMZ				2.0	0.090
											PP	20 24 37.0	0.6			
											cS	20 28 59.0	-1.9			
											SMN			m _B =5.4	11.0	0.69
											LN			Ms=5.1	16.0	1.46
								HHC	40.4	341	+P	20 23 09.0	0.5			
											ScP	20 28 54.0	-0.7			
											S	20 29 12.0	-0.4			
											LN			Ms=4.8	13.0	0.51
								BTO	40.7	340	cP	20 23 10.5	-0.4			
											cPP	20 24 47.0	-0.9			
											S	20 29 16.0	-0.7			
											LN			Ms=5.0	17.0	0.80
											LE				17.0	0.90
								CN2	40.8	358	cP	20 23 10.0	-1.6			
											cS	20 29 14.0	-5.2			
								MDJ	41.6	2	cP	20 23 17.0	-1.4			

1986 10 2

O=20 15 32.4 ± 0.15s

LAT= 2.86 N ± 2.26km

LONG=127.35 E ± 2.66km

DEPTH= 44 km ± 0.12km

STATIONS USED = 84, STAND DEV= 1.83s

Ms=4.9 / 32,

m_B=5.8 / 15

QZN	23.5	314	P	20 20 40.6	1.4		
			S	20 24 47.5	2.2		
			SME		m _B =5.4	12.0	1.20
			LN		Ms=4.8	15.0	1.60
QZH	23.5	340	cP	20 20 37.0	-2.5		
			cS	20 24 46.0	-0.7		
			SMN		m _B =5.0	9.0	0.34
			LN		Ms=4.8	16.0	0.97
			LE			17.0	1.33
GZH	24.3	327	-iP	20 20 46.5	-0.2		
			S	20 25 03.0	4.3		
			SME		m _B =5.8	6.0	1.59
			LN		Ms=5.1	16.0	2.67
			LE			16.0	1.64
SSE	28.7	349	cP	20 21 29.0	1.3		
			PP	20 22 26.0	5.8		
			S	20 26 10.0	-1.1		
			SMN		m _B =5.9	12.0	3.60
			SS	20 27 34.0	-5.4		
			LN		Ms=4.9	20.0	1.80
			LE			20.0	0.87
NJ2	30.1	346	-P	20 21 41.5	1.0		
			iS	20 26 37.0	2.2		
			SMN		m _B =6.1	9.0	3.80
			sS	20 26 59.0	5.2		
WHN	30.2	337	cP	20 21 40.5	-0.3		
			cS	20 26 37.0	1.6		
			LN		Ms=5.0	18.0	2.06
GYA	30.7	322	P	20 21 46.0	0.0		
			S	20 26 42.0	-1.5		
			LE		Ms=4.9	18.0	1.50
KMI	32.4	315	+P	20 22 00.0	-1.1		
			sP	20 22 12.0	-4.8		
			S	20 27 11.0	0.9		

			eS	20 29 32.0	0.5		
			LE	Ms=4.8	20.0	0.79	
GTA	44.2	329	-P	20 23 38.5	-0.6		
			eS	20 30 08.5	-0.1		
			eSS	20 33 16.0	-2.6		
			LN	Ms=5.1	23.0	1.85	
WMQ	53.8	325	-P	20 24 52.5	-0.9		
			S	20 32 21.0	-0.9		
			LN	Ms=5.5	20.0	1.74	
			LE		20.0	1.76	
KSH	59.1	315	eP	20 25 32.0	0.9		
			eS	20 33 32.0	-1.3		

1986 10 2

O=21 40 34.8 ± 0.09s
 LAT= 2.97 N ± 1.26km
 LONG=127.49 E ± 2.22km
 DEPTH= 32 km ± 0.46km
 STATIONS USED = 11, STAND DEV= 2.27s

TIY	37.2	340	eP	21 47 45.8	0.1		
BJI	38.3	346	P	21 47 55.5	1.0		

1986 10 3

O=07 06 54.4 ± 0.12s
 LAT= 1.65 N ± 1.51km
 LONG= 98.92 E ± 1.76km
 DEPTH=127 km ± 1.26km
 STATIONS USED = 71, STAND DEV= 1.40s

QZN	20.3	31	eP	07 11 26.6	4.1		
KMI	23.6	9	-P	07 11 56.5	1.3		
GYA	25.8	16	P	07 12 15.2	-0.2		
			PP	07 13 01.0	-0.1		
			S	07 16 35.0	2.8		
			ScP	07 19 12.6	4.6		
			ScS	07 23 01.0	4.8		
CD2	29.5	8	+iP	07 12 47.3	-1.5		
XAN	33.6	15	-iP	07 13 23.6	-0.9		
LZH	34.6	7	eP	07 13 32.0	-1.3		
			PMZ			1.5	0.090
SSE	36.1	34	eP	07 13 47.6	1.8		
			cS	07 19 20.0	4.7		
			ScP	07 19 47.6	5.6		
GTA	37.6	1	-iP	07 13 58.5	-0.2		
			PcP	07 16 14.6	0.9		
			eS	07 19 39.0	0.3		
			ScP	07 19 52.7	5.0		
			ScS	07 23 58.6	3.5		
			PMZ			1.3	0.23
TIY	38.0	18	eP	07 14 01.6	-0.3		
			S	07 19 50.0	6.7		

			PcS	07 20 04.0	1.7		
			LN			9.0	0.23
BTO	40.1	13	eP	07 14 19.5	0.4		
			csP	07 14 54.0	-8.2		
			eS	07 20 17.0	1.4		
HHC	40.7	15	eP	07 14 26.0	1.9		
BJI	41.3	20	eP	07 14 30.0	0.8		
			cScP	07 20 05.0	3.0		
			eS	07 20 35.0	1.1		
KSH	43.0	334	eP	07 14 45.0	1.4		
WMQ	43.2	348	-P	07 14 44.7	0.2		
SNY	45.7	26	+iP	07 15 05.2	0.2		
CN2	48.1	26	P	07 15 23.4	-0.4		
MDJ	50.6	28	eP	07 15 44.0	0.9		

1986 10 3

O=07 48 36.5 ± 0.09s
 LAT=39.54 N ± 1.74km
 LONG= 75.25 E ± 1.22km
 DEPTH= 14 km ± 0.48km
 STATIONS USED = 33, STAND DEV= 2.14s

Ms=4.3/ 4, ML=4.5/ 2,

KSH	0.6	99	-iPg	07 48 48.0	1.0		
			Sg	07 48 55.0	0.2		
WMQ	10.2	61	P	07 51 06.5	0.1		
			LG ₂	07 54 14.5	0.2		
			LN	Ms=4.5	4.0	0.82	
GTA	19.0	83	P	07 52 59.3	-0.8		
			cLG ₂	07 58 56.5	-5.3		
			LN	Ms=4.2	7.0	0.28	
BTO	26.5	76	eP	07 54 16.4	0.3		
XAN	27.4	91	eP	07 54 24.0	-0.1		
GYA	29.2	107	P	07 54 53.0	13.0		
WHN	33.0	94	eP	07 55 13.0	-0.9		

1986 10 3

O=15 21 04.2 ± 0.12s
 LAT=51.60 N ± 1.99km
 LONG=178.74 W ± 0.72km
 DEPTH= 35 km ± 0.36km
 STATIONS USED = 18, STAND DEV= 0.99s

TIY	49.1	282	P	15 29 51.0	0.2		
			cS	15 36 49.0	-3.7		
XAN	53.7	281	eP	15 30 25.0	-0.2		
GTA	55.5	292	+P	15 30 38.7	-0.2		
CD2	59.0	282	eP	15 31 03.2	-0.1		

1986 10 3

O=18 01 09.5 ± 0.08s
 LAT= 2.94 S ± 0.92km

LONG = 139.14 E \pm 1.32km
 DEPTH = 31 km \pm 0.17km
 STATIONS USED = 19, STAND DEV = 1.38s

SSE	37.9	335	cP	18 08 27.0	0.8
			cS	18 14 17.0	1.2
XAN	46.5	325	cP	18 09 36.4	0.1
CN2	48.1	347	cP	18 09 47.6	-1.4
GTA	55.5	323	P	18 10 44.2	-0.4

1986 10 3

O = 20 09 37.5 \pm 0.08s
 LAT = 32.74 N \pm 0.68km
 LONG = 137.60 E \pm 0.98km
 DEPTH = 368 km \pm 0.56km
 STATIONS USED = 19, STAND DEV = 0.83s

BJI	18.7	299	cP	20 13 32.0	0.2
TIY	21.1	291	P	20 13 56.8	1.2
XAN	24.0	281	P	20 14 22.0	0.1
GTA	31.1	293	-P	20 15 24.3	-1.0
WMQ	40.2	301	P	20 16 42.0	0.8

1986 10 4

O = 02 00 08.0 \pm 0.08s
 LAT = 2.98 N \pm 1.10km
 LONG = 128.13 E \pm 1.10km
 DEPTH = 109 km \pm 0.42km
 STATIONS USED = 97, STAND DEV = 0.88s

$m_B = 6.2 / 38$

QZH	23.7	338	+iP	02 05 12.0	1.2		
			PMZ			3.0	8.56
			sP	02 05 52.0	4.8		
			iS	02 09 15.0	0.2		
			SMN	$m_B = 6.8$	12.0	21.7	
			SME		12.0	15.1	
QZN	24.0	313	+iP	02 05 15.0	1.5		
			PMZ	$m_B = 6.2$	4.0	3.80	
			pP	02 05 38.0	1.6		
			sP	02 05 51.0	1.2		
			iS	02 09 20.0	0.5		
			SMN	$m_B = 6.3$	12.0	4.90	
			SME		13.0	7.50	
			sS	02 10 04.0	4.6		
GZH	24.6	326	+iP	02 05 20.0	0.5		
			PMZ	$m_B = 6.3$	4.0	5.62	
			pP	02 05 42.0	-0.4		
			sP	02 05 55.0	-0.8		
			PP	02 06 02.0	1.7		
			S	02 09 32.0	2.7		
			SMN	$m_B = 6.9$	7.0	11.9	
			SME		7.0	16.2	

SSE	28.7	348	sS	02 10 12.0	1.6		
			+iP	02 05 56.5	-1.0		
			PMZ			1.4	0.32
			pP	02 06 20.0	-1.1		
			sP	02 06 35.0	0.6		
			PP	02 06 56.0	1.8		
			iS	02 10 36.0	-1.5		
			SMN	$m_B = 5.7$	10.0	1.53	
			SME		8.0	1.42	
			sS	02 11 20.0	1.0		
			PcS	02 12 42.0	-4.0		
			LN		16.0	2.97	
			LE		16.0	1.55	
NJ2	30.2	344	+iP	02 06 10.5	-0.2		
			PMZ	$m_B = 6.1$	4.0	1.50	
			sP	02 06 50.0	2.3		
			iS	02 10 56.0	-5.0		
			SMN	$m_B = 6.0$	9.0	5.00	
			ScP	02 12 40.0	0.6		
WHN	30.4	336	P	02 06 12.5	0.5		
			PMZ		3.0	2.63	
			pP	02 06 37.0	1.2		
			sP	02 06 50.6	1.5		
			cS	02 11 02.0	-1.3		
			SMN	$m_B = 6.0$	9.0	4.64	
GYA	31.1	321	+P	02 06 19.0	0.1		
			PcP	02 09 11.0	0.0		
			S	02 11 16.0	1.4		
			SMN	$m_B = 6.2$	6.0	2.80	
			SME		6.0	3.30	
			ScP	02 12 42.6	0.2		
			PcS	02 12 54.0	0.2		
			ScS	02 16 40.0	1.7		
			LN		15.0	2.80	
			LE		15.0	2.60	
KMI	32.9	314	+iP	02 06 35.0	0.6		
			PMZ		3.0	0.50	
			sP	02 07 15.0	3.6		
			PP	02 07 45.0	-2.2		
			PcP	02 09 17.0	1.2		
			iS	02 11 43.0	-0.5		
			SMN	$m_B = 6.1$	6.0	2.00	
			SME		7.0	2.90	
			sS	02 12 26.0	0.8		
			ScP	02 12 50.0	1.5		
			PcS	02 13 03.0	3.1		
			ScS	02 16 52.0	4.7		
			SS	02 13 51.0	2.3		
TIA	34.6	344	+P	02 06 48.0	-0.7		
			esP	02 07 28.0	1.9		

		PcP	02 09 21.1	0.5				iS	02 13 12.0	-2.8		
		eS	02 12 05.0	-4.4				SMN			16.0	5.29
		SME	$m_B = 5.9$		9.0	2.95		LN			20.0	2.06
		sS	02 12 52.0	0.5				LE			21.0	1.63
		ScS	02 16 58.7	2.5			LZH	39.9	329	+iP	02 07 34.5	1.5
XAN	35.7	332	+iP	02 06 58.3	0.0			PMZ			1.5	1.23
		PMZ			2.0	1.88		pP	02 07 59.5	2.0		
		pP	02 07 22.0	-0.7				PP	02 09 10.0	0.6		
		sP	02 07 39.0	3.2				ScP	02 13 14.0	0.0		
		PP	02 08 18.5	-2.0				S	02 13 30.0	1.6		
		S	02 12 20.0	-5.7				SMN	$m_B = 6.2$		11.0	5.33
		SMN	$m_B = 6.2$		12.0	4.64		sS	02 14 13.0	0.7		
		SME			10.0	3.81		LN			7.0	5.06
		LN			11.0	2.67		LE			8.0	2.69
		LE			14.0	2.70	HHC	40.6	341	+iP	02 07 39.0	0.3
CD2	36.1	323	+iP	02 07 01.2	-0.1			PMZ			3.0	0.70
		PMZ			1.0	0.38		pP	02 08 05.5	2.3		
		pP	02 07 27.0	1.2				sP	02 08 18.5	2.3		
		iS	02 12 30.3	-1.9				PP	02 09 16.0	-0.2		
		ScP	02 13 00.0	0.3				PPMZ			6.0	1.38
		PcS	02 13 14.0	2.9				PcS	02 13 29.0	0.9		
		SS	02 15 10.0	9.4				S	02 13 41.0	2.3		
		LE			8.5	2.71		SMN	$m_B = 6.4$		8.0	2.87
DL2	36.2	351	+P	02 07 03.0	0.3			SME			8.0	4.62
		S	02 12 33.0	-0.8				LN			10.0	1.21
		LN			14.0	2.70	CN2	40.7	357	+P	02 07 38.6	-1.3
		LE			14.0	1.37		PMZ			2.0	0.40
TIY	37.4	339	+iP	02 07 13.0	0.1			sP	02 08 17.0	-0.6		
		PMZ			1.0	0.17		PP	02 09 17.0	-0.9		
		pP	02 07 39.0	1.7				PPMZ			5.0	0.80
		sP	02 07 52.0	1.7				PcP	02 09 38.8	-0.6		
		PP	02 08 34.0	-7.9				ScP	02 13 16.0	-1.4		
		S	02 12 51.0	-1.0				eS	02 13 37.0	-5.1		
		sS	02 13 36.0	0.3				SMN	$m_B = 5.7$		10.0	1.30
		SS	02 15 33.0	2.5				SME			10.0	0.90
		LN			11.0	1.76		sS	02 14 21.0	-4.2		
BJI	38.4	345	+iP	02 07 21.0	-0.1			eSS	02 16 33.0	-9.0		
		PMZ			3.0	0.96		ScS	02 17 30.0	-0.9		
		epP	02 07 47.0	1.3				LN			13.0	1.40
		esP	02 08 01.0	2.3			BTO	40.9	339	eP	02 07 40.1	-1.1
		PcP	02 09 31.0	-1.2				pP	02 08 07.0	1.2		
		SMN	$m_B = 5.9$		7.5	1.59		sP	02 08 18.0	-0.8		
		SME			10.0	1.49		PP	02 09 17.0	-2.4		
		eScS	02 17 20.0	2.3				S	02 13 44.0	0.7		
		LN			11.5	0.63		sS	02 14 27.5	0.1		
SNY	38.9	355	+iP	02 07 24.5	-0.3			SS	02 16 45.0	-0.1		
		pP	02 07 48.5	-0.9				LN			19.0	2.80
		sP	02 08 02.5	0.1				LE			17.0	2.30
		PcP	02 09 34.0	0.4			MDJ	41.5	2	+iP	02 07 46.2	0.0
		ScP	02 13 06.5	-3.8				PMZ			2.0	0.78

	pP	02 08 11.5	0.6		
	sP	02 08 25.5	1.6		
	PP	02 09 24.0	-1.9		
	iS	02 13 50.0	-3.4		
	SME	$m_B = 6.2$	6.0	2.90	
	sS	02 14 36.0	-0.6		
	SS	02 16 54.0	-3.1		
GTA	44.5 328	+iP	02 08 11.0	0.5	
	PMZ			3.0	0.71
	pP	02 08 37.5	2.3		
	sP	02 08 53.5	5.3		
	PcP	02 09 52.0	0.1		
	ScP	02 13 32.4	0.0		
	S	02 14 36.0	0.2		
	SMN		14.0	1.46	
	ScS	02 17 55.2	1.4		
	LN		28.0	4.98	
WMQ	54.1 325	-iP	02 09 24.5	-0.2	
	pP	02 09 50.0	-0.2		
	sP	02 10 01.5	-1.3		
	S	02 16 51.7	1.4		
	SME	$m_B = 6.5$	6.0	3.66	
	sS	02 17 38.0	1.8		
	ScS	02 18 58.0	-0.7		
KSH	59.5 315	-iP	02 10 03.8	0.9	
	pP	02 10 31.0	2.1		
	sP	02 10 44.0	2.6		
	PcP	02 10 49.0	0.9		
	ScP	02 14 38.0	0.9		
	iS	02 18 06.0	3.3		
	SME	$m_B = 6.1$	6.0	2.00	
	esS	02 18 57.0	9.1		
	LE		16.0	3.70	

1986 10 4
 O=04 29 57.4 ± 0.08s
 LAT=42.26 N ± 1.15km
 LONG= 84.71 E ± 0.93km
 DEPTH= 29 km ± 0.27km
 STATIONS USED = 20, STAND DEV= 2.25s

$M_L = 4.4 / 6,$

WMQ	2.7 53	Pn	04 30 43.0	3.6	
		Sg	04 31 19.9	-2.2	
KSH	7.2 250	cP*	04 31 54.0	-1.2	
		S*	04 33 21.3	-1.0	
		SMN	$M_L = 4.4$	0.5	0.20
		SME		0.5	0.10
		LG ₂	04 33 55.0	0.7	
GTA	11.8 99	P	04 32 45.5	-1.5	
XAN	20.7 105	cP	04 34 36.8	-1.2	

TIY	21.7 93	cP	04 34 47.3	-0.8	
GYA	23.9 124	P	04 35 11.2	1.0	

1986 10 4
 O=09 10 34.7 ± 0.10s
 LAT= 6.91 S ± 1.21km
 LONG=123.85 E ± 1.74km
 DEPTH=645 km ± 1.13km
 STATIONS USED = 44, STAND DEV= 1.27s

GYA	37.1 334	-P	09 16 56.2	0.8	
		PcP	09 18 59.0	1.4	
		sP	09 19 46.0	-5.7	
		S	09 22 03.0	3.7	
		ScS	09 25 57.0	3.4	
WHN	38.3 347	cP	09 17 06.5	1.5	
NJ2	39.0 353	-P	09 17 11.6	1.0	
CD2	42.2 334	P	09 17 36.3	0.1	
		S	09 23 10.0	-2.8	
TIA	43.4 352	cP	09 17 41.1	-3.7	
TIY	45.7 347	P	09 18 02.0	-0.5	
LZH	46.7 338	cP	09 18 11.5	0.9	
		PMZ		1.5	0.070
BJI	47.2 352	cP	09 18 14.0	-0.4	
		cPcP	09 19 33.0	1.0	
SNY	48.5 360	-P	09 18 22.9	-0.8	
CN2	50.5 1	P	09 18 37.4	-0.9	
		PcP	09 19 44.0	0.0	
GTA	51.2 336	-iP	09 18 44.0	0.6	
		PMZ		0.9	0.020
		PcP	09 19 47.9	1.3	
		ScS	09 27 25.9	2.2	
MDJ	51.5 5	-iP	09 18 46.5	0.6	
WMQ	60.1 330	cP	09 19 46.0	1.1	

1986 10 5
 O=03 25 57.0 ± 0.18s
 LAT=51.21 N ± 1.94km
 LONG=176.22 W ± 1.21km
 DEPTH= 35 km ± 1.60km
 STATIONS USED = 63, STAND DEV= 1.18s

MDJ	36.2 281	cP	03 32 57.5	-1.3	
CN2	39.2 283	cP	03 33 23.0	-0.6	
SNY	41.4 281	cP	03 33 42.8	0.7	
BJI	47.0 284	cP	03 34 27.5	0.4	
HHC	49.3 288	cP	03 34 46.0	0.9	
BTO	50.4 288	+P	03 34 54.0	0.6	
NJ2	50.4 274	cP	03 34 53.5	-0.3	
TIY	50.7 284	P	03 34 57.5	1.4	
		PMZ		1.0	0.060
WHN	54.3 276	cP	03 35 22.0	-0.6	

October, 1986

XAN	55.3	283	+P	03 35 29.4	-0.5		
LZH	57.0	288	+P	03 35 42.5	0.2		
			PMZ			1.5	0.16
			S	03 43 37.0	5.7		
GTA	57.1	293	+iP	03 35 42.6	-0.7		
WMQ	60.8	304	+P	03 36 07.8	-0.8		
GYA	62.0	278	P	03 36 17.0	0.6		
KMI	65.4	280	+P	03 36 38.5	-0.4		
KSH	69.9	308	P	03 37 08.0	0.5		

MDJ	126.2	309	cPKP	07 40 41.5	-0.7		
BTO	141.0	306	cPKP	07 41 10.0	0.0		
XAN	142.9	296	PKP	07 41 13.0	-0.2		
GYA	145.0	283	PKP	07 41 16.2	-0.6		
LZH	146.7	300	cPKP	07 41 21.0	1.1		
KMI	148.4	280	+PKP	07 41 27.0	4.4		
GTA	148.9	308	PKP	07 41 24.0	0.7		
WMQ	154.2	326	+PKP	07 41 32.0	0.8		
KSH	162.9	339	cPKP	07 41 45.0	3.5		

1986 10 5

O=05 12 15.1 ± 0.11s
 LAT=34.56 N ± 1.94km
 LONG= 23.24 E ± 1.74km
 DEPTH= 23 km ± 1.28km

STATIONS USED = 76, STAND DEV = 1.08s

KSH	41.9	67	cP	05 20 07.0	0.9		
			pP	05 20 17.0	3.5		
			PP	05 21 48.0	1.9		
			cS	05 26 22.0	-1.2		
			sS	05 26 34.0	-1.5		
WMQ	49.7	59	+iP	05 21 08.0	0.3		
			PMZ			1.0	0.080
			PP	05 23 02.0	-0.1		
			S	05 28 12.0	-1.0		
GTA	59.6	61	+iP	05 22 20.0	-0.5		
BTO	66.3	56	cP	05 23 05.0	0.1		
HHC	67.3	55	+P	05 23 10.5	-0.3		
KMI	68.0	74	+P	05 23 15.5	0.1		
XAN	68.5	63	+P	05 23 18.6	0.1		
TIY	69.3	58	+iP	05 23 23.5	0.0		
GYA	70.4	71	+P	05 23 30.0	-0.3		
BJI	70.8	54	cP	05 23 32.0	-0.3		
TIA	73.3	57	cP	05 23 47.1	-0.4		
WHN	74.2	64	cP	05 23 50.5	-2.3		
SNY	74.7	50	+P	05 23 54.6	-0.7		
CN2	74.7	47	+P	05 23 55.6	-0.2		
			pP	05 24 05.0	1.5		
NJ2	76.7	60	-P	05 24 07.0	0.0		
MDJ	76.7	45	cP	05 24 07.5	0.3		
QZN	76.7	76	cP	05 24 08.8	1.6		
SSE	78.9	60	cP	05 24 18.4	-0.8		
			PMZ			1.0	0.020

1986 10 5

O=07 21 37.8 ± 0.20s
 LAT=23.71 S ± 5.11km
 LONG=112.01 W ± 4.93km
 DEPTH= 8 km ± 0.91km
 STATIONS USED = 27, STAND DEV = 3.04s

1986 10 5

O=13 15 46.3 ± 0.19s
 LAT=23.59 S ± 5.11km
 LONG=112.01 W ± 4.57km
 DEPTH= 9 km ± 0.84km
 STATIONS USED = 35, STAND DEV = 2.18s

BJI	136.4	304	cPKP	13 35 09.0	-0.8		
TIY	139.6	301	cPKP	13 35 17.9	2.1		
BTO	141.0	306	cPKP	13 35 17.8	-0.5		
XAN	142.9	296	cPKP	13 35 17.9	-3.6		
GYA	144.9	283	PKP	13 35 24.0	-1.1		
LZH	146.7	300	cPKP	13 35 28.5	0.3		
CD2	147.5	291	PKP	13 35 29.0	-0.4		
KMI	148.4	280	cPKP	13 35 35.0	4.1		
GTA	148.8	308	PKP	13 35 33.6	2.0		
WMQ	154.1	326	PKP	13 35 38.0	-1.4		
KSH	162.8	339	cPKP	13 35 54.0	4.3		

1986 10 5

O=18 36 00.4 ± 0.15s
 LAT=34.54 N ± 1.34km
 LONG= 90.78 E ± 1.70km
 DEPTH= 11 km ± 0.27km
 STATIONS USED = 8, STAND DEV = 2.45s
 Ms=4.3 / 2,

GTA	8.7	53	cP	18 38 07.0	-2.6		
			LN			Ms=3.8	10.0 0.53
WMQ	9.6	346	cP	18 38 20.5	-0.9		
			S	18 40 04.0	-5.7		
			LG ₁	18 41 04.0	3.1		
			LN			2.0	0.050
GYA	15.9	116	P	18 39 46.4	0.5		

1986 10 5

O=21 57 19.3 ± 0.07s
 LAT=43.35 N ± 2.35km
 LONG=127.37 W ± 1.68km
 DEPTH= 17 km ± 0.74km
 STATIONS USED = 56, STAND DEV = 0.99s
 Ms=5.4 / 12, m_R=5.6 / 3

CN2	71.6	313	-P	22 08 41.2	-1.2		
			ePP	22 11 20.2	-1.9		
			eS	22 17 56.0	-4.1		
			SMN			15.0	0.80
SNY	73.9	313	-P	22 08 56.2	-0.1		
			eS	22 18 23.0	-3.9		
			LN	Ms=5.1		30.0	1.03
BJI	79.1	316	eP	22 09 24.0	-1.4		
			eS	22 19 28.0	4.7		
HHC	80.8	319	eP	22 09 35.2	0.6		
TIA	81.5	312	eP	22 09 38.2	0.2		
BTO	81.7	320	eP	22 09 39.5	0.1		
			eS	22 19 47.5	-3.3		
			SKS	22 19 55.0	2.2		
			LN	Ms=5.7		17.0	1.00
			LE			16.0	1.30
TIY	82.8	316	eP	22 09 45.0	0.1		
			S	22 20 08.0	8.4		
			LN	Ms=5.6		17.0	0.46
			LE			18.0	1.26
NJ2	83.6	309	eP	22 09 46.0	-3.0		
			S	22 20 11.0	3.2		
			SMN	m _B =6.0		7.0	0.90
GTA	87.2	325	-iP	22 10 07.4	0.3		
			SS	22 26 36.0	5.8		
			LN	Ms=5.5		16.5	1.07
WHN	87.3	310	eP	22 10 07.5	0.4		
			eS	22 20 44.0	-1.3		
			LE	Ms=5.1		20.0	0.46
XAN	87.4	316	-P	22 10 08.3	0.3		
			eSKS	22 20 29.8	-1.4		
			eS	22 20 51.0	4.1		
WMQ	87.7	335	P	22 10 10.5	1.0		
			S	22 20 52.0	4.1		
			LN	Ms=5.3		20.0	0.83
LZH	88.2	321	eP	22 10 12.0	0.0		
			PMZ			2.0	0.070
CD2	92.5	318	P	22 10 32.7	0.8		
GYA	94.6	313	P	22 10 42.0	0.3		

			cSg	22 19 18.0	-3.8		
			SMN	M _L =4.0		0.5	0.29
			SME			0.5	0.31
HHC	4.2	220	ePn	22 18 13.8	-2.3		
			Pg	22 18 27.1	0.8		
			Sg	22 19 21.8	-2.2		
			SMN	M _L =4.1		0.6	0.34
			SME			0.6	0.32
BTO	5.2	229	eP*	22 18 36.5	-1.7		
			Pg	22 18 44.6	1.2		
			Sg	22 19 51.2	-3.2		
			SMN	M _L =3.6		0.5	0.060
			SME			0.5	0.080
TIY	6.7	199	ePg	22 19 13.6	2.8		
			Sg	22 20 41.4	-1.2		
			SMN	M _L =3.8		0.6	0.040
			SME			0.6	0.060
CN2	7.4	89	ePg	22 19 23.6	0.5		
			eS*	22 20 51.0	4.9		
			SMN	M _L =3.9		1.0	0.040
			SME			1.0	0.040
GTA	12.4	253	P	22 20 03.2	-7.7		

1986 10 6

O=02 21 45.7 ± 0.10s
 LAT=26.65 N ± 1.85km
 LONG= 54.55 E ± 1.35km
 DEPTH= 60 km ± 0.50km
 STATIONS USED = 70, STAND DEV = 1.24s
 Ms=5.1 / 17, m_B=5.4 / 2

KSH	22.0	49	P	02 26 41.0	4.5		
			PP	02 27 08.0	5.4		
			LN	Ms=5.4		11.0	5.70
WMQ	31.8	49	P	02 28 06.8	-0.2		
			PP	02 29 12.5	0.0		
			PcP	02 30 54.0	-2.2		
			S	02 33 18.0	7.8		
			LN	Ms=5.1		27.0	3.48
GTA	39.6	60	-iP	02 29 14.1	0.3		
			PMZ	m _B =5.4		5.0	0.33
			ScP	02 35 09.6	8.2		
			eS	02 35 18.7	6.3		
			LE	Ms=4.8		11.0	0.50
LZH	42.7	65	eP	02 29 39.5	0.1		
			PMZ			1.8	0.060
CD2	43.1	72	P	02 29 42.0	0.0		
KMI	43.2	81	eP	02 29 44.0	0.9		
GYA	46.3	78	P	02 30 07.6	-0.6		
			S	02 36 56.0	7.1		
XAN	47.0	67	eP	02 30 12.4	-1.3		

1986 10 5

O=22 17 11.8 ± 0.21s
 LAT=44.12 N ± 2.08km
 LONG=115.16 E ± 1.61km
 DEPTH= 16 km
 STATIONS USED = 17, STAND DEV = 4.33s
 M_L=3.9 / 13,

BJI	4.1	169	ePn	22 18 13.0	-2.0		
			Pg	22 18 25.0	-0.1		
			eSn	22 19 07.5	2.2		

			Sg	16 53 13.0	-2.5				LN	Ms=5.1	10.0	4.67				
			SMN		M _L =3.4	0.8	0.020	QZH	14.6	88	+P	23 31 35.0	-1.2			
			SME			0.8	0.010				LG ₁	23 35 39.0	-6.7			
											LG ₂	23 36 02.0	-6.8			
											LE	Ms=5.5	6.0	6.25		
1986 10 6								TIY	14.9	32	cP	23 31 38.2	-1.8			
O=23 28 07.3					± 0.12s						(S)	23 34 27.0	0.9			
LAT=25.43 N					± 1.35km						LN	Ms=4.9	9.0	2.22		
LONG=102.49 E					± 1.24km						LE		10.0	1.95		
DEPTH= 9 km					± 0.07km											
STATIONS USED = 80,					STAND DEV = 2.14s			NJ2	15.8	62	cP	23 31 50.5	-1.3			
Ms=5.2/35,					M _L =4.8/5,						cS	23 34 43.0	-4.4			
					m _B =5.2/2						LN	Ms=5.8	5.0	9.30		
KMI	0.4	143	-iPg	23 28 15.5		1.0		BTO	16.4	21	+P	23 31 57.5	-2.0			
			Sg	23 28 20.5		0.9					ePP	23 32 12.0	-0.3			
GYA	3.9	74	-P	23 29 10.0		1.0					S	23 34 56.0	-4.5			
			Sn	23 29 55.0		-0.6					LG ₂	23 37 00.0	-7.7			
			LN		Ms=5.1	7.0	15.1				LN	Ms=5.1	9.0	2.70		
			LE			7.0	27.3				LE		7.0	2.10		
CD2	5.6	11	Pn	23 29 35.0		4.2		HHC	17.1	24	cP	23 32 08.5	-0.5			
			Sn	23 30 40.0		2.9					S	23 35 15.5	-2.4			
			LN		Ms=5.3	6.0	20.6				LN	Ms=5.0	9.0	2.09		
			LE			10.0	13.9				LE		9.0	1.35		
QZN	9.3	132	eP	23 30 23.8		-1.4		SSE	17.4	67	cP	23 32 15.0	2.7			
			eS	23 32 08.0		-3.3					eS	23 35 28.0	3.3			
			LG ₁	23 32 58.0		-2.3					LG ₁	23 37 24.0	9.9			
			LG ₂	23 33 12.0		-3.1					LN	Ms=5.3	8.0	3.18		
			LN		Ms=5.4	8.0	12.2				LE		8.0	3.03		
			LE			9.0	11.7				BJI	18.5	35	cP	23 32 27.0	0.7
GZH	10.2	101	+iP	23 30 35.1		-1.8					ePP	23 32 49.0	7.6			
			iS	23 32 23.1		-9.2					eS	23 35 52.0	1.7			
			LN		Ms=5.6	5.0	9.18				SMN	m _B =5.1	7.0	0.53		
			LE			7.0	14.5				SME		7.0	0.46		
XAN	10.2	32	+iP	23 30 35.0		-2.8					LN	Ms=4.9	10.0	1.67		
			S	23 32 29.5		-3.9					LE		9.0	0.86		
			LG ₁	23 33 37.8		9.0					DL2	21.0	46	cP	23 32 57.0	3.3
			LN		Ms=5.2	9.0	6.60				S	23 36 49.0	6.8			
			LE			9.0	6.40				LN	Ms=4.6	14.0	0.90		
LZH	10.7	6	P	23 30 44.5		0.4					LE		14.0	0.79		
			PMZ			1.5	0.050				WMQ	22.0	330	+iP	23 33 03.5	-0.1
			LG ₁	23 33 49.0		6.1					PMZ		2.0	0.40		
			LG ₂	23 34 05.0		5.1					PP	23 33 26.0	-2.3			
			LN		Ms=5.5	8.5	16.8				S	23 36 56.0	-4.3			
			LE			7.0	2.82				LN	Ms=5.1	12.0	1.90		
WHN	11.7	61	cP	23 30 57.0		-0.1					LE		12.0	1.98		
			S	23 33 01.0		-7.0					CN2	26.2	40	-P	23 33 43.8	-0.5
			LG ₁	23 34 08.6		-4.8					cS	23 38 12.0	-2.3			
			LN		Ms=5.4	6.0	5.60				LE	Ms=4.8	10.0	0.80		
			LE			6.0	6.10				KSH	26.3	309	P	23 33 47.0	1.8
GTA	14.1	351	-P	23 31 29.3		-0.8					PP	23 34 27.0	0.5			
			eS	23 34 02.5		-5.7					cS	23 38 17.0	1.1			
			LG ₁	23 35 21.2		-9.6										

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		LE	Ms = 5.4	9.0	3.30	CN2	15.2	325	-iP	11 44 11.4	-0.1			
MDJ	29.1	42	cP	23 34 11.0	0.2				csP	11 45 42.5	-2.3			
									cS	11 46 47.0	-3.3			
1986 10 7														
		O = 04 56 12.2	± 0.10s											
		LAT = 8.12 N	± 1.16km											
		LONG = 126.43 E	± 1.23km											
		DEPTH = 116 km	± 0.76km											
		STATIONS USED = 39,	STAND DEV = 1.40s											
QZN	19.4	306	eP	05 00 32.4	0.7				SMN	m _B = 5.2	6.0	1.20		
			eS	05 04 02.0	1.9				SME		6.0	1.60		
SSE	23.4	349	eP	05 01 12.0	0.7				ScP	11 51 45.4	-0.5			
			epP	05 01 33.0	-2.4				iScS	11 55 23.0	-0.2			
			PP	05 01 51.0	2.9				NJ2	15.9	275	-iP	11 44 18.0	-0.5
			eS	05 05 10.0	-2.4				PMZ	m _B = 5.8	4.0	1.70		
			SS	05 06 11.0	2.6				S	11 47 05.0	2.2			
GYA	26.2	317	eP	05 01 38.4	0.5				ScP	11 51 48.0	0.8			
XAN	30.4	330	+P	05 02 13.9	-2.2				TIA	17.5	290	-P	11 44 34.7	0.1
BJI	33.1	346	eP	05 02 37.5	-1.7				ScP	11 51 51.1	0.7			
SNY	33.7	356	eP	05 02 43.4	-0.8				cS	11 47 35.5	2.6			
LZH	34.6	327	eP	05 02 55.5	2.8				SME	m _B = 5.0	6.0	0.79		
MDJ	36.5	4	+P	05 03 09.0	1.1				ScS	11 55 30.4	0.7			
WMQ	49.0	323	P	05 04 49.8	0.2				LE		8.0	1.07		
1986 10 7														
		O = 11 40 54.2	± 0.06s											
		LAT = 31.94 N	± 0.91km											
		LONG = 137.59 E	± 0.96km											
		DEPTH = 397 km	± 0.39km											
		STATIONS USED = 93,	STAND DEV = 0.86s											
			m _B = 5.1 / 18											
SSE	14.0	271	+P	11 43 58.0	-1.0				BJI	19.1	301	-P	11 44 50.5	-0.1
			PMZ			1.0	0.15		cScP	11 51 54.5	0.7			
			S	11 46 22.0	-4.6				eS	11 48 04.0	2.1			
			PcP	11 48 46.0	-2.9				SMN	m _B = 5.1	6.0	0.67		
MDJ	14.1	336	-P	11 43 59.0	-1.0				SME		8.0	0.85		
			iS	11 46 28.0	-1.0				cScS	11 55 35.5	0.8			
			SME	m _B = 5.0	4.0	1.03			WHN	19.9	272	eP	11 45 00.0	1.4
			ScP	11 51 43.0	-1.0				cS	11 48 16.0	-0.3			
			ScS	11 55 21.0	0.6				ScP	11 51 57.5	1.8			
DL2	14.7	303	-iP	11 44 06.0	-0.6				Tiy	21.4	293	-iP	11 45 14.0	0.9
			PMZ	m _B = 5.9	4.0	1.51			PMZ		1.1	0.67		
			S	11 46 37.0	-3.7				sP	11 47 08.0	4.0			
SNY	14.9	315	-iP	11 44 08.0	-0.4				S	11 48 44.0	3.0			
			PMZ						HHC	22.7	300	+iP	11 45 25.6	0.5
			ScP	11 51 45.6	0.2				cS	11 49 04.0	0.6			
			S	11 46 45.5	1.4				SMN	m _B = 5.1	6.0	0.66		
			SMN	m _B = 4.9	6.0	0.73			GZH	23.2	254	eP	11 45 30.0	0.4
			SME		5.0	0.83			cS	11 49 20.0	8.5			
			ScS	11 55 22.6	0.2				BTO	23.8	299	-iP	11 45 34.9	-0.1
1986 10 7														
									esP	11 47 26.0	-2.9			
									cS	11 49 20.0	-1.0			
									XAN	24.1	283	-iP	11 45 37.9	-0.1
									GYA	27.5	267	-P	11 46 06.4	-2.0
									PP	11 47 26.0	3.6			
									PcP	11 49 14.4	-0.3			
									ScP	11 52 16.0	-0.1			
									PcS	11 52 55.4	0.7			
									ScS	11 56 08.0	0.5			
									QZN	28.1	249	+P	11 46 15.1	1.8
									cpP	11 47 26.0	2.2			
									esP	11 48 11.0	0.8			
									eS	11 50 31.0	1.8			
									PcS	11 52 56.0	-0.5			

LZH	28.2	288	-iP	11 46 14.5	-0.1				DL2	69.8	323	P	14 14 57.3	-0.4			
			PMZ		$m_B = 4.9$	8.0	0.51		MDJ	69.9	332	P	14 14 58.2	-0.2			
			S	11 50 31.0	0.6							sP	14 15 05.5	-1.2			
			ScS	11 56 13.0	2.3							cS	14 24 06.0	-1.6			
CD2	28.8	277	+iP	11 46 19.5	-0.5							SS	14 28 32.0	-4.6			
			PMZ		$m_B = 5.5$	4.0	0.98		TIA	70.8	319	+P	14 15 03.0	-0.6			
			S	11 50 39.5	-0.8							cS	14 24 19.5	2.0			
KMI	31.3	266	-P	11 46 41.0	-0.3							SME	$m_B = 5.8$	9.0	0.78		
			PMZ		$m_B = 5.2$	4.0	0.50		SNY	70.8	327	+iP	14 15 03.1	-0.5			
			eS	11 51 16.0	-3.6							S	14 24 17.0	0.9			
			sS	11 53 23.0	-6.2							LN	$M_s = 5.4$	22.0	1.50		
GTA	31.4	294	-iP	11 46 42.0	-0.4							LE		28.0	0.97		
			pP	11 47 53.0	-2.4				CN2	71.3	329	-P	14 15 05.8	-0.7			
			PcP	11 49 25.7	0.9							pP	14 15 11.0	-1.0			
			S	11 51 19.6	-0.8							cS	14 24 16.0	-7.1			
			SMN	$m_B = 5.0$		6.0	0.39		BJI	73.8	321	P	14 15 20.5	-0.7			
			SS	11 53 50.0	-0.9							esP	14 15 27.0	-2.5			
			ScS	11 56 26.1	-0.1							cS	14 24 46.5	-5.0			
WMQ	40.6	302	P	11 47 59.0	0.2							esS	14 24 56.0	-4.7			
			PP	11 49 44.5	2.3							LN	$M_s = 5.4$	28.0	1.09		
			ScP	11 53 04.3	2.1							LE		30.0	1.73		
			S	11 53 40.5	2.1				TIY	74.7	318	-iP	14 15 27.0	0.3			
			SMN	$m_B = 5.5$		5.0	0.76					PMZ		1.5	0.15		
KSH	49.7	297	-iP	11 49 12.0	1.3							pP	14 15 33.0	0.9			
			iS	11 55 55.0	5.8							S	14 25 03.5	3.1			
												SME	$m_B = 5.7$	10.0	0.62		
												LN	$M_s = 5.0$	19.0	0.42		
									XAN	75.0	313	-iP	14 15 28.4	-0.2			
												S	14 25 01.8	-2.2			
									KMI	75.4	302	-P	14 15 31.0	0.2			
												pP	14 15 40.0	3.9			
												cS	14 25 08.0	-2.0			
												SMN	$m_B = 5.6$	8.0	0.40		
SSE	64.9	317	P	14 14 25.0	-1.8				HHC	77.1	320	P	14 15 41.0	0.8			
			PMZ			1.1	0.020		CD2	77.2	308	eP	14 15 41.0	0.0			
			S	14 23 04.0	-1.9							S	14 25 30.0	1.8			
			sS	14 23 12.0	-4.6							sS	14 25 40.0	1.0			
			SS	14 27 17.0	-2.3				BTO	77.9	319	eP	14 15 45.0	0.3			
			LE	$M_s = 5.5$		16.0	1.43					esP	14 15 52.0	-0.8			
GZH	65.9	305	eP	14 14 38.5	5.3							S	14 25 32.0	-3.2			
			eS	14 23 23.0	3.7				GTA	84.0	314	-iP	14 16 17.6	0.3			
			SMN	$m_B = 5.8$		9.0	0.64					eS	14 26 40.8	0.0			
			SME			9.0	0.48					SME	$m_B = 5.9$	8.0	0.71		
QZN	66.7	300	P	14 14 46.4	8.0							sS	14 26 49.0	-0.7			
			eS	14 23 34.0	4.7				WMQ	94.1	314	P	14 17 04.3	-0.8			
			SMN	$m_B = 5.7$		9.0	0.70					PMZ		2.0	0.12		
NJ2	67.1	316	+P	14 14 40.4	-0.1							PP	14 21 03.0	9.8			
WHN	69.3	313	eP	14 14 53.5	-0.7							SKS	14 27 38.0	0.8			
			eS	14 23 58.0	-1.4							LN	$M_s = 5.4$	26.0	1.04		
			LN	$M_s = 5.4$		14.0	0.90		KSH	101.4	308	eP	14 17 45.0	6.6			

1986 10 7					
O=14 40 11.8			± 0.18s		
LAT=51.36 N			± 1.82km		
LONG=175.88 W			± 1.18km		
DEPTH= 46 km			± 1.56km		
STATIONS USED = 26, STAND DEV = 1.86s					
SNY	41.6	281	eP	14 47 57.0	-0.2
SSE	49.8	271	eP	14 49 04.0	1.3
			sP	14 49 21.0	1.5
WHN	54.5	276	eP	14 49 36.5	-1.1
XAN	55.5	283	+P	14 49 43.9	-0.9
GTA	57.3	294	P	14 49 55.7	-2.1
1986 10 7					
O=15 02 45.3			± 0.05s		
LAT= 3.02 N			± 0.41km		
LONG=128.17 E			± 0.55km		
DEPTH=110 km			± 0.50km		
STATIONS USED = 14, STAND DEV = 0.82s					
XAN	35.7	332	-iP	15 09 35.0	-0.3
BJI	38.4	345	eP	15 09 57.5	-0.5
LZH	39.8	329	-iP	15 10 11.0	1.0
			PMZ		1.0 0.030
GTA	44.4	328	-iP	15 10 47.3	-0.2
WMQ	54.1	325	P	15 12 01.2	-0.5
1986 10 7					
O=17 53 59.8			± 0.04s		
LAT= 6.82 S			± 0.53km		
LONG=124.87 E			± 0.31km		
DEPTH=570 km			± 0.63km		
STATIONS USED = 28, STAND DEV = 0.54s					
NJ2	39.1	352	+iP	18 00 41.0	0.8
XAN	43.4	341	-iP	18 01 13.8	-0.5
BJI	47.3	351	eP	18 01 44.0	-0.7
MDJ	51.4	4	-P	18 02 14.7	-0.1
GTA	51.5	335	-iP	18 02 15.9	0.0
WMQ	60.6	330	P	18 03 18.0	-0.2
1986 10 7					
O=19 55 07.9			± 0.09s		
LAT=10.04 S			± 1.00km		
LONG=161.08 E			± 0.89km		
DEPTH=117 km			± 1.03km		
STATIONS USED = 47, STAND DEV = 0.98s					
NJ2	58.1	318	eP	20 04 52.0	-0.2
MDJ	61.4	335	eP	20 05 14.2	-0.4
SNY	62.0	329	+P	20 05 18.6	-0.2
CN2	62.6	332	-P	20 05 22.0	-0.6

BJI	64.9	323	eP	20 05 37.0	-0.4
XAN	66.1	314	+iP	20 05 45.4	0.1
CD2	68.4	309	eP	20 06 00.6	1.0
LZH	70.7	314	eP	20 06 15.0	1.0
GTA	75.1	315	+iP	20 06 40.5	0.9
WMQ	85.2	316	eP	20 07 30.0	-3.2
1986 10 7					
O=22 39 08.3			± 0.13s		
LAT=25.37 N			± 1.08km		
LONG=102.52 E			± 1.20km		
DEPTH= 14 km			± 0.37km		
STATIONS USED = 19, STAND DEV = 2.81s					
M _L =3.8 / 8,					
KMI	0.3	141	-Pg	22 39 15.0	0.4
			Sg	22 39 20.0	1.1
			SME		M _L =4.5 1.0 44.1
QZN	9.3	131	eP	22 41 23.2	-1.4
XAN	10.3	31	eP	22 41 35.8	-2.9
WHN	11.7	61	eP	22 41 58.0	0.5
			eS	22 44 08.0	-0.5
1986 10 8					
O=00 09 20.9			± 0.14s		
LAT=80.32 N			± 1.97km		
LONG= 2.32 W			± 2.28km		
DEPTH= 10 km			± 0.21km		
STATIONS USED = 66, STAND DEV = 0.85s					
M _s =5.4 / 21, m _B =5.6 / 2					
WMQ	47.2	81	+P	00 17 57.0	1.0
			PcP	00 19 32.6	5.5
			PP	00 19 47.5	1.8
			eS	00 24 42.0	-6.1
			LN		M _s =5.6 16.0 3.69
KSH	49.4	94	eP	00 18 24.0	11.1
			LE		M _s =5.7 12.0 2.80
MDJ	52.5	42	eP	00 18 35.5	-1.2
			eS	00 26 00.0	-2.0
CN2	52.8	46	P	00 18 38.8	-0.3
			eS	00 26 07.0	0.8
GTA	53.4	71	+iP	00 18 43.4	-0.7
			eS	00 26 12.5	-2.8
			LN		M _s =5.5 16.0 2.13
HHC	53.8	59	eP	00 18 47.2	0.3
BTO	53.9	61	eP	00 18 47.0	0.0
			S	00 26 20.0	0.5
			LN		M _s =5.6 20.0 3.40
			LE		17.0 1.10
SNY	54.5	48	eP	00 18 50.6	-1.1
			S	00 26 28.0	-0.3

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GTA	39.1	326	-iP	14 59 37.2	0.3
WMQ	48.9	323	P	15 00 56.5	0.8
KSH	54.8	313	eP	15 01 51.0	12.1

1986 10 8

O=16 37 53.8 ± 0.11s
 LAT= 2.24 N ± 1.81km
 LONG=126.58 E ± 3.06km
 DEPTH= 33 km ± 0.04km

STATIONS USED = 32, STAND DEV= 1.60s

GZH	24.4	329	eP	16 43 11.5	1.2
WHN	30.4	339	eP	16 44 12.0	6.2
GYA	30.7	323	eP	16 44 10.0	1.3
KMI	32.3	317	eP	16 44 23.0	0.2
XAN	35.7	334	P	16 44 50.1	-1.3
CD2	35.8	325	P	16 44 49.6	-2.5
TIY	37.6	341	eP	16 45 07.9	0.1
BJI	38.8	347	eP	16 45 17.0	-0.5
SNY	39.5	356	-P	16 45 23.4	0.0
LZH	39.7	331	eP	16 45 25.5	0.2
MDJ	42.3	3	eP	16 45 46.5	0.2
WMQ	53.9	326	eP	16 47 15.5	-1.0

1986 10 8

O=20 01 58.1 ± 0.18s
 LAT=19.00 N ± 2.49km
 LONG=145.11 E ± 3.68km
 DEPTH= 33 km ± 0.30km

STATIONS USED = 41, STAND DEV= 1.92s

Ms=4.5/ 3, m_B=5.4/ 1

SSE	24.7	304	P	20 07 16.8	-1.2
			S	20 11 30.0	-4.6
			sS	20 11 41.0	-9.1
MDJ	28.6	337	eP	20 07 54.0	-0.1
			eS	20 12 34.0	-5.2
			LE	Ms=4.3	20.0 0.44
TIA	30.0	311	eP	20 08 12.8	6.7
WHN	30.1	298	eP	20 08 10.0	2.9
TIY	34.0	310	+P	20 08 41.0	-0.5
XAN	35.5	302	eP	20 08 52.5	-1.3
GYA	36.1	289	eP	20 08 59.0	-0.5
BTO	36.9	313	eP	20 09 05.6	-0.7
CD2	39.1	296	eP	20 09 23.6	-0.8
KMI	39.6	287	eP	20 09 29.0	0.2
LZH	40.0	304	P	20 09 32.5	0.4
			PMZ		2.5 0.080
GTA	43.9	307	+P	20 10 03.6	-0.5
WMQ	53.7	311	+iP	20 11 20.0	0.5

1986 10 8

O=22 32 53.9 ± 0.13s
 LAT=37.53 N ± 1.44km
 LONG=105.58 E ± 1.21km
 DEPTH= 12 km ± 0.07km
 STATIONS USED = 20, STAND DEV= 3.49s

M_L=3.6/ 14,

LZH	2.0	225	Pg	22 33 26.5	-3.1
			Sg	22 33 52.0	-4.8
			SMN	M _L =3.6	0.5 0.46
			SME		1.0 0.56
XAN	4.4	141	ePn	22 33 58.5	-2.7
			Pg	22 34 08.7	-3.1
			Sn	22 34 47.1	-7.4
			SMN	M _L =3.3	0.8 0.070
			SME		0.8 0.040
BTO	4.6	47	Pn	22 34 07.4	3.3
			Pg	22 34 15.6	0.2
			Sn	22 34 54.2	-5.4
			Sg	22 35 14.0	-4.6
			SMN	M _L =3.3	0.4 0.040
			SME		0.4 0.050
GTA	4.9	294	Pn	22 34 08.9	0.9
			Pg	22 34 20.5	0.0
			Sn	22 35 07.4	0.8
			Sg	22 35 24.6	-2.9
			SMN	M _L =3.5	0.8 0.070
			SME		0.6 0.050
TIY	5.4	86	ePn	22 34 17.4	2.0
			Pg	22 34 34.8	4.8
			Sn	22 35 18.2	-1.8
			Sg	22 35 39.4	-5.0
			SMN	M _L =3.9	0.8 0.11
			SME		0.6 0.11
GYA	11.1	175	eP	22 35 39.8	4.2

1986 10 9

O=03 27 02.5 ± 0.09s
 LAT= 3.41 S ± 1.70km
 LONG=102.97 E ± 1.59km
 DEPTH=198 km ± 0.83km

STATIONS USED = 54, STAND DEV= 1.30s

QZN	23.3	17	-iP	03 31 56.0	1.9
			eS	03 35 54.0	4.9
			SS	03 37 06.0	4.4
GYA	29.9	7	+P	03 32 54.8	0.2
			PcP	03 35 52.0	0.3
			S	03 37 36.0	0.6
CD2	34.1	1	eP	03 33 30.2	-0.8
WHN	35.5	17	eP	03 33 43.0	0.8
			PcP	03 36 06.5	-0.5

LAT=30.37 N ± 1.49km
 LONG= 94.85 E ± 1.31km
 DEPTH= 26 km ± 0.15km
 STATIONS USED = 45, STAND DEV= 2.58s
 Ms=4.2/ 6,

KMI	8.7	125	eP	09 01 26.5	-0.7		
			eS	09 03 05.0	-0.9		
			LE	Ms=4.5	4.0	1.00	
LZH	9.4	50	eP	09 01 37.5	0.4		
			PMZ			1.5	0.020
GTA	9.9	23	eP	09 01 41.1	-2.3		
GYA	11.1	108	P	09 01 58.0	-1.9		
			sP	09 02 09.6	-0.7		
			S	09 04 02.8	-0.9		
WMQ	14.6	339	eP	09 02 42.2	-4.0		
TIY	16.3	59	eP	09 03 06.0	-2.4		
			eS	09 06 09.0	0.8		
			sS	09 06 20.5	1.9		
			LE	Ms=4.0	10.0	0.31	
WHN	16.8	84	eP	09 03 12.5	-2.3		
KSH	17.9	305	P	09 03 29.0	0.2		
			sP	09 03 42.0	2.5		
			eS	09 06 46.0	0.7		
TIA	19.5	67	eP	09 03 49.9	2.4		
BJI	19.9	55	eP	09 03 52.5	0.8		
			eS	09 07 26.0	-3.1		
NJ2	20.6	79	+P	09 04 01.2	1.9		
SNY	25.8	56	eP	09 04 49.3	-0.7		
CN2	27.7	53	eP	09 05 07.4	-0.2		

1986 10 10
 O=10 57 11.6 ± 0.13s
 LAT=36.38 N ± 1.22km
 LONG= 71.28 E ± 0.93km
 DEPTH=118 km ± 0.97km
 STATIONS USED = 16, STAND DEV= 1.81s

KSH	4.8	49	eP	10 58 25.0	1.4		
			S	10 59 17.0	-1.4		
WMQ	14.6	54	eP	11 00 34.2	0.7		
GTA	22.7	74	+P	11 02 07.0	3.0		

1986 10 10
 O=11 50 52.0 ± 0.06s
 LAT=29.85 N ± 1.45km
 LONG= 51.65 E ± 0.76km
 DEPTH= 9 km ± 0.04km
 STATIONS USED = 19, STAND DEV= 3.74s

KSH	22.1	58	eP	11 55 51.0	1.0		
			eS	11 59 46.0	-3.2		
WMQ	31.8	54	P	11 57 19.8	0.5		

GTA	40.4	63	P	11 58 32.8	0.5		
GYA	48.2	80	P	11 59 26.0	-9.7		

1986 10 10
 O=15 35 36.4 ± 0.08s
 LAT=12.29 N ± 1.28km
 LONG=143.93 E ± 1.30km
 DEPTH= 23 km ± 0.06km
 STATIONS USED = 18, STAND DEV= 1.44s

BJI	36.9	323	eP	15 42 45.0	-0.8		
GYA	37.7	297	P	15 42 56.0	3.2		
CD2	41.4	303	eP	15 43 24.1	0.8		

1986 10 10
 O=17 48 23.9 ± 0.09s
 LAT= 7.50 S ± 1.73km
 LONG=107.14 E ± 1.82km
 DEPTH= 81 km ± 0.27km
 STATIONS USED = 77, STAND DEV= 1.17s
 Ms=5.0/ 12,

QZN	26.5	6	eP	17 53 57.6	1.8		
KMI	32.7	353	+P	17 54 51.5	0.1		
GYA	33.8	359	P	17 55 00.8	0.5		
			S	18 00 23.4	7.1		
CD2	38.3	355	eP	17 55 38.1	-0.7		
			eS	18 01 32.0	4.7		
			LE	Ms=5.2	9.0	1.11	
WHN	38.5	10	eP	17 55 40.6	0.8		
			eS	18 01 32.0	3.0		
			LN	Ms=4.7	32.0	1.20	
SSE	40.7	19	P	17 56 00.0	1.9		
			PMZ			1.0	0.030
			eS	18 02 06.0	3.8		
			LN	Ms=5.0	24.0	1.28	
			LE			24.0	0.78
NJ2	40.9	15	+P	17 56 02.0	2.0		
			PcP	17 58 00.0	0.7		
			ScP	18 01 46.5	6.4		
			S	18 02 12.0	7.5		
XAN	41.3	2	+iP	17 56 03.9	0.1		
LZH	43.5	356	P	17 56 21.5	0.2		
			PMZ			1.0	0.040
TIA	44.5	12	eP	17 56 29.6	0.3		
			eS	18 03 01.0	2.9		
			esS	18 03 36.0	4.5		
			LE	Ms=5.3	18.0	1.93	
TIY	45.2	6	+P	17 56 35.5	0.0		
			PMZ			1.0	0.060
			S	18 03 07.0	-1.1		
			LE	Ms=4.5	9.0	0.15	

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GTA	47.2	352	+iP	17 56 50.7	0.0									
			PcP	17 58 22.5	1.8									
			PcS	18 02 15.0	0.7									
			eS	18 03 39.3	2.6									
			ScS	18 06 38.3	5.1									
			LN	Ms=5.1	18.0	1.24								
BTO	47.9	3	eP	17 56 56.6	0.0									
			ePP	17 58 48.0	-0.6									
			eS	18 03 49.0	1.6									
			LN	Ms=5.2	13.0				1.00					
			LE		13.0				0.30					
BJI	48.0	9	eP	17 56 58.8	1.5									
			PcP	17 58 25.0	1.2									
			ScP	18 02 15.0	5.7									
			eS	18 03 48.0	-0.6									
HHC	48.3	4	eP	17 56 59.6	0.2									
SNY	51.3	16	+iP	17 57 21.8	-0.8									
CN2	53.7	16	+iP	17 57 38.8	-1.3									
			PcP	17 58 46.5	1.9									
			eS	18 05 06.0	-0.6									
WMQ	54.0	343	P	17 57 41.5	-1.3									
			PMZ		1.2				0.060					
			PcP	17 58 47.0	1.1									
			ScP	18 02 41.5	6.6									
			PcS	18 02 45.1	1.5									
			eS	18 05 13.5	2.1									
			ScS	18 07 26.0	6.2									
			KSH	54.9	331				P	17 57 49.0	-0.2			
									eS	18 05 25.0	1.8			
			MDJ	55.7	19				+P	17 57 53.4	-1.3			

1986 10 10
 O=18 10 26.5 ± 0.10s
 LAT=44.40 N ± 3.15km
 LONG=147.57 E ± 1.55km
 DEPTH=118 km ± 0.94km
 STATIONS USED = 22, STAND DEV = 2.58s

MDJ	12.8	277	eP	18 13 24.0	-1.9			
CN2	15.9	276	eP	18 14 06.0	1.0			
GTA	35.5	279	-P	18 17 14.5	0.4			
CD2	36.8	264	P	18 17 25.8	0.9			

1986 10 10
 O=20 05 45.3 ± 0.13s
 LAT=39.11 N ± 3.15km
 LONG= 72.39 E ± 5.27km
 DEPTH= 42 km ± 6.07km
 STATIONS USED = 7, STAND DEV = 4.35s
 M_L=4.0 / 3,

KSH	2.8	82	+Pn	20 06 29.5	1.9			
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				Sn	20 06 59.6	-1.4			
				SMN	M _L =4.3	0.4	1.10		
				SME		0.7	1.60		
GTA	21.2	80	P		20 10 29.7	-0.4			
1986 10 10									
					O=21 03 55.6	± 0.08s			
					LAT=20.25 N	± 1.14km			
					LONG=122.39 E	± 1.23km			
					DEPTH=130 km	± 0.54km			
STATIONS USED = 82, STAND DEV = 1.34s									
M _L =5.1 / 4, m _B =5.2 / 2									
QZH	5.8	324	-P	21 05 20.0	-1.2				
			eS	21 06 20.8	-6.5				
			SMN	M _L =5.4	1.0				4.20
			SME		0.8	2.11			
GZH	8.9	290	P	21 06 00.5	-1.5				
			S	21 07 34.2	-6.2				
			LN		3.0				3.69
SSE	10.9	355	eP	21 06 26.7	-1.7				
			S	21 08 36.0	8.4				
			LG ₁	21 09 36.0	-0.4				
			LN		1.0				0.050
			LE		1.0	0.060			
QZN	11.9	266	eP	21 06 42.2	0.2				
			eS	21 08 49.8	-2.6				
			NJ2	12.2	346				eP
WHN	12.6	326	eP	21 06 51.5	0.7				
			sP	21 07 28.5	3.3				
			eS	21 09 10.0	1.8				
			LN		5.0				1.27
GYA	15.7	296	P	21 07 31.6	0.5				
			S	21 10 21.0	0.5				
			ScP	21 15 43.4	-1.1				
			LN		8.0				1.80
			LE		8.0	0.80			
TIA	16.6	345	eP	21 07 42.6	1.0				
			eS	21 10 43.0	2.5				
			LG ₁	21 12 34.2	-1.4				
			LE		9.0	0.90			
XAN	18.2	322	+P	21 08 00.6	-0.6				
			LN		5.0				1.27
			LE		5.0				0.84
DL2	18.6	358	P	21 08 07.0	1.5				
KMI	18.8	289	+P	21 08 07.5	0.0				
			SMN	m _B =5.3	7.0				0.60
TIY	19.4	336	+iP	21 08 14.5	0.1				
			PMZ		1.0				0.53
			pP	21 08 37.5	-4.7				
			eS	21 11 47.5	5.0				

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TIY	63.9	61	eP	09 10 46.0	-0.4				LN	Ms=5.8	24.0	3.14			
			S	09 19 22.5	2.8				LE		24.0	2.41			
			LE			Ms=5.3	12.0	0.73							
BJI	65.3	58	eP	09 10 55.0	-0.4				1986 10 11						
			eS	09 19 43.0	4.8				O=12 43 45.5		± 0.11s				
			SMN			m _B =5.7	10.0	0.56	LAT=33.41 S		± 2.25km				
			SME				10.0	0.54	LONG=72.25 W		± 1.49km				
			eScS	09 20 50.0	3.5				DEPTH=18 km		± 0.71km				
			LN			Ms=5.6	16.0	1.85	STATIONS USED = 14, STAND DEV = 1.79s						
GYA	65.3	75	P	09 10 56.0	0.2				KSH	153.8	68	ePKP	13 03 33.0	-3.8	
			S	09 19 38.0	0.6				WMQ	161.2	51	ePKP	13 03 47.5	1.6	
TIA	67.9	61	eP	09 11 11.3	-0.7				GTA	171.2	45	PKP	13 03 54.4	0.6	
			eS	09 20 12.0	2.2				XAN	178.8	303	ePKP	13 03 57.3	1.3	
			LN			Ms=5.2	32.0	1.42	1986 10 11						
WHN	68.9	67	eP	09 11 19.0	0.7				O=13 16 43.0		± 0.12s				
			S	09 20 20.0	-0.6				LAT=42.56 N		± 1.21km				
			LN			Ms=5.6	17.0	1.99	LONG=145.09 E		± 1.24km				
SNY	69.2	53	-iP	09 11 19.0	-0.9				DEPTH=47 km		± 1.40km				
			S	09 20 14.0	-9.7				STATIONS USED = 51, STAND DEV = 1.53s						
			LN			Ms=5.8	17.0	3.30	MDJ	11.4	286	eP	13 19 28.0	1.5	
			LE				19.0	1.00	CN2	14.4	282	eP	13 20 05.0	-0.7	
CN2	69.2	50	P	09 11 20.2	-0.3							eS	13 22 47.0	3.0	
			PMZ			m _B =5.9	5.0	0.70	SNY	16.0	275	eP	13 20 28.0	2.0	
			ePP	09 14 00.0	5.2				BJI	21.8	273	eP	13 21 32.0	-1.2	
			eS	09 20 24.0	-2.1							eS	13 25 24.0	-2.2	
			SMN			m _B =5.9	7.0	0.70	SSE	22.2	247	eP	13 21 36.0	-1.0	
			SME				7.0	0.40				sP	13 21 52.5	-1.1	
			ScS	09 21 25.0	7.7				NJ2	23.3	252	eP	13 21 48.0	0.6	
			eSS	09 24 57.0	4.1				TIY	25.3	270	eP	13 22 09.0	1.6	
			LN			Ms=5.9	17.0	3.00	WHN	27.3	254	eP	13 22 27.0	1.5	
			LE				17.0	2.50	XAN	29.5	265	P	13 22 57.5	13.2	
DL2	69.5	56	eP	09 11 27.0	5.1				LZH	32.3	272	eP	13 23 10.0	-0.3	
			LE			Ms=5.7	14.0	1.82	GTA	34.0	280	P	13 23 23.9	-1.1	
MDJ	71.3	48	eP	09 11 33.0	0.2				CD2	34.8	264	eP	13 23 31.1	-0.4	
			PP	09 14 12.0	0.0				GYA	35.2	255	P	13 23 37.2	2.4	
			iS	09 20 50.0	0.3				WMQ	41.1	292	P	13 24 24.0	-0.7	
			SKS	09 21 34.0	3.3				1986 10 12						
			ScS	09 21 36.0	2.9				O=03 40 34.0		± 0.14s				
			SS	09 25 25.0	0.9				LAT=54.82 N		± 2.92km				
NJ2	71.3	64	eP	09 11 33.6	0.5				LONG=161.68 E		± 1.66km				
			S	09 20 50.0	1.1				DEPTH=34 km		± 0.21km				
			LE			Ms=5.5	16.0	1.30	STATIONS USED = 26, STAND DEV = 1.59s						
GZH	72.2	74	eP	09 11 40.0	1.5				Ms=5.1 / 3,						
			eS	09 21 09.0	8.1				MDJ	22.9	257	eP	03 45 36.0	-0.5	
SSE	73.5	63	eP	09 11 46.0	0.0							eS	03 49 32.0	-8.1	
			S	09 21 13.0	-0.8				BTO	36.7	269	eP	03 47 40.0	-0.1	
			SMN			m _B =6.0	12.0	1.02				LN	Ms=5.1	13.0	1.11
			SME				12.0	0.90				LE		13.0	0.81
			sS	09 21 18.0	-5.5										
			ScS	09 21 58.0	7.1										

LZH	43.3	269	eP	03 48 33.5	-1.5
GTA	43.4	276	-P	03 48 34.5	-1.0
			LN	Ms=5.1	13.0 0.90
WMQ	47.3	289	eP	03 49 07.0	0.3
GYA	48.8	258	P	03 49 19.6	1.2

1986 10 12

O=03 58 18.6 ± 0.14s
 LAT=54.87 N ± 4.10km
 LONG=162.01 E ± 2.33km
 DEPTH= 33 km ± 0.24km

STATIONS USED = 20, STAND DEV = 2.72s

MDJ	23.1	257	eP	04 03 25.5	2.4
			eS	04 07 38.0	9.6
GTA	43.5	276	P	04 06 19.0	-2.7
WMQ	47.5	289	eP	04 06 51.8	-0.9
GYA	49.0	258	P	04 07 06.4	1.7

1986 10 12

O=13 10 32.2 ± 0.09s
 LAT= 0.26 S ± 1.38km
 LONG=124.55 E ± 2.07km
 DEPTH= 35 km ± 0.22km

STATIONS USED = 44, STAND DEV = 1.09s

GZH	25.6	336	eP	13 16 02.0	1.4
GYA	31.7	328	P	13 16 55.4	0.3
WHN	32.1	343	eP	13 17 01.0	2.0
CD2	36.8	329	eP	13 17 37.9	-0.8
XAN	37.1	338	P	13 17 41.9	0.0
TIY	39.4	345	eP	13 18 01.0	0.1
BJI	40.8	350	eP	13 18 12.0	-0.6
			PcP	13 20 11.5	-1.6
LZH	41.0	334	eP	13 18 15.0	1.0
CN2	43.9	1	eP	13 18 36.5	-1.0
			PcP	13 20 23.6	0.4
MDJ	44.9	5	+iP	13 18 46.7	0.9
GTA	45.5	333	-iP	13 18 49.5	-1.3
			PcP	13 20 28.7	-0.1
			PcS	13 24 17.6	-3.9
WMQ	54.8	328	P	13 20 00.5	-1.3

1986 10 12

O=16 29 10.9 ± 0.13s
 LAT=30.34 N ± 1.54km
 LONG= 94.83 E ± 1.65km
 DEPTH= 33 km ± 0.29km

STATIONS USED = 41, STAND DEV = 2.39s

Ms=4.2/ 3, ML=3.9/ 1,

CD2	7.7	83	P	16 31 04.8	0.9
			eS	16 32 38.0	6.9

KMI	8.7	125	eP	16 31 18.0	-0.1
LZH	9.5	50	eP	16 31 27.0	-1.5
GTA	9.9	23	eP	16 31 32.0	-2.7
GYA	11.1	107	P	16 31 50.0	-0.9
XAN	12.5	69	eP	16 32 08.2	-1.3
WMQ	14.6	339	P	16 32 35.5	-1.9
BTO	16.0	46	eP	16 32 57.0	1.0
TIY	16.3	59	eP	16 33 01.8	2.2

LE Ms=4.0 10.0 0.31

WHN	16.8	84	eP	16 33 03.5	-2.4
HHC	17.2	48	eP	16 33 11.8	1.8
TIA	19.5	67	eP	16 33 34.6	-3.9
BJI	19.9	55	eP	16 33 42.5	-0.3
SNY	25.8	56	eP	16 34 39.1	-1.8
CN2	27.7	52	eP	16 34 58.6	0.0

1986 10 12

O=18 41 53.1 ± 0.11s
 LAT=54.94 N ± 1.76km
 LONG=161.79 E ± 0.92km
 DEPTH= 35 km ± 0.26km

STATIONS USED = 17, STAND DEV = 0.94s

MDJ	23.0	257	eP	18 46 57.0	0.7
			PcP	18 50 44.0	-2.2
GTA	43.4	276	P	18 49 52.0	-2.9
WMQ	47.3	289	P	18 50 26.5	0.6

1986 10 12

O=20 01 32.5 ± 0.07s
 LAT=37.14 N ± 1.86km
 LONG=141.41 E ± 1.65km
 DEPTH= 57 km ± 1.23km

STATIONS USED = 67, STAND DEV = 1.49s

Ms=4.2/ 3,

MDJ	11.6	314	+iP	20 04 22.0	3.4
			eS	20 06 31.0	4.0
CN2	13.8	304	-P	20 04 47.6	-0.1
			(S)	20 07 20.0	0.3
SNY	14.5	294	-P	20 04 57.4	0.6
DL2	15.7	282	P	20 05 15.2	3.6
SSE	17.8	256	P	20 05 39.5	1.7
			pP	20 05 46.0	-2.5
			sS	20 09 16.0	7.7
			LN	Ms=4.3	20.0 0.60
			LE		20.0 0.82
NJ2	19.2	261	-P	20 05 53.4	-1.6
TIA	19.5	275	eP	20 05 56.6	-1.3
BJI	19.9	286	eP	20 06 00.0	-2.4
TIY	23.0	280	eP	20 06 33.0	-0.4
			LE	Ms=4.2	14.0 0.40

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WHN	23.4	262	cP	20 06 37.5	0.5
HHC	23.4	288	cP	20 06 38.0	0.2
BTO	24.6	288	cP	20 06 48.0	-1.3
XAN	26.5	273	-P	20 07 07.1	-0.1
GZH	27.9	248	cP	20 07 21.0	1.4
LZH	30.0	280	cP	20 07 40.0	1.0
GYA	31.2	260	P	20 07 49.0	-0.4
CD2	31.7	270	cP	20 07 54.8	1.6
GTA	32.5	287	P	20 07 59.2	-1.6
			PcP	20 10 46.8	1.4
KMI	35.0	261	-P	20 08 22.0	0.1
WMQ	40.8	297	P	20 09 11.5	1.1
KSH	50.4	294	cP	20 10 28.5	1.8

GTA	12.2	354	cP	22 43 40.6	-5.2
			LN	Ms=4.0	9.0 0.41
TIY	13.9	39	cP	22 44 18.0	8.9
			LG ₁	22 48 07.0	-1.9
			LE	Ms=4.1	10.5 0.53
BTO	15.0	26	cP	22 44 24.2	0.3
			LG ₁	22 48 40.0	-4.4
			LG ₂	22 49 05.0	-3.2
			LN	Ms=4.3	11.0 0.40
			LE		11.0 0.60
TIA	16.0	52	cP	22 44 36.4	0.0
SSE	17.7	73	cP	22 45 00.0	3.0
WMQ	19.9	330	P	22 45 20.7	-2.5

1986 10 12

O=22 40 51.7 ± 0.26s
 LAT=27.30 N ± 2.16km
 LONG=101.43 E ± 2.11km
 DEPTH= 34 km ± 0.58km
 STATIONS USED = 36, STAND DEV = 3.78s

Ms=4.1/ 8, M_L=4.2/ 9,

KMI	2.5	151	+Pn	22 41 34.0	3.7
			Pg	22 41 37.0	1.4
			Sg	22 42 10.0	0.4
			SMN		6.0 5.10
CD2	4.1	29	Pn	22 41 54.8	1.8
			Pg	22 42 08.3	3.4
			Sn	22 42 48.3	6.6
			Sg	22 42 55.4	-6.2
			SMN	M _L =4.3	1.0 0.67
			SME		1.0 0.64
			LN	Ms=4.5	6.0 5.17
GYA	4.8	99	Pn	22 42 03.8	2.2
			Pg	22 42 23.0	7.2
			Sn	22 43 00.8	3.8
			Sg	22 43 22.8	2.0
			SMN	M _L =4.4	1.4 0.70
			SME		1.4 0.30
			LN	Ms=4.1	8.0 1.80
			LE		8.0 1.30
LZH	9.0	13	cP	22 43 03.0	0.4
			eLG ₁	22 45 31.0	-3.4
			LN		3.0 0.23
			LE		2.0 0.13
XAN	9.3	42	cP	22 43 03.1	-3.7
			S	22 44 52.1	0.9
			LN	Ms=3.9	10.0 0.65
GZH	11.6	109	cP	22 43 35.0	-2.8
WHN	11.8	71	cP	22 43 38.0	-2.5
			eS	22 45 45.0	-6.7

1986 10 13

O=01 38 59.0 ± 0.12s
 LAT=22.33 S ± 1.23km
 LONG=171.34 E ± 1.29km
 DEPTH= 96 km ± 0.72km
 STATIONS USED = 30, STAND DEV = 1.21s

MDJ	76.8	331	cP	01 50 42.0	-0.3
TIA	77.5	318	cP	01 50 46.8	0.1
SNY	77.6	325	cP	01 50 46.3	-0.8
CN2	78.1	328	+P	01 50 49.0	-0.7
GYA	79.2	304	P	01 50 56.0	0.2
BJI	80.6	320	cP	01 51 02.5	-0.5
TIY	81.4	317	cP	01 51 08.0	0.3
XAN	81.6	312	cP	01 51 10.0	1.3
GTA	90.7	313	P	01 51 53.3	0.3
WMQ	100.7	313	cP	01 52 35.5	-3.4

1986 10 13

O=04 01 37.2 ± 0.30s
 LAT=35.58 N ± 2.60km
 LONG=114.07 E ± 2.55km
 DEPTH= 20 km ± 0.74km
 STATIONS USED = 20, STAND DEV = 4.91s

						M _L =3.5/ 14,
TIY	2.5	329	+iPn	04 02 11.4	-6.1	
			SMN	M _L =3.5	0.6 0.26	
			SME		0.6 0.22	
TIA	2.6	75	cPn	04 02 16.4	-1.8	
			Pg	04 02 21.8	-0.7	
			Sg	04 02 54.0	-3.6	
			SMN	M _L =3.4	0.4 0.32	
			SME		0.4 0.10	
XAN	4.5	252	Pn	04 02 45.3	0.3	
			Pg	04 02 58.1	1.2	
			Sn	04 03 40.7	2.0	
			Sg	04 03 59.5	1.0	

			SMN	$M_L = 3.3$	0.6	0.050
			SME		0.8	0.050
BJI	4.8	20	cP*	04 02 52.0	-3.9	
			cS*	04 03 49.5	-5.0	
			SMN	$M_L = 3.3$	0.5	0.040
			SME		0.5	0.040
HHC	5.6	340	P*	04 03 07.3	-3.0	
BTO	5.9	329	cP*	04 03 12.7	-2.8	
LZH	8.3	276	cPg	04 04 10.0	5.5	
GTA	12.0	293	P	04 04 25.0	-5.0	
			LG ₁	04 07 47.9	-4.8	
			LN		1.0	0.010
1986 10 13						
O=06 02 51.4 ± 0.25s						
LAT=35.09 N ± 2.92km						
LONG=73.55 E ± 2.41km						
DEPTH=87 km ± 3.08km						
STATIONS USED = 11, STAND DEV = 4.91s						
$M_L = 4.6 / 2,$						
KSH	4.8	23	-P	06 04 06.0	3.4	
			S	06 05 02.0	5.3	
			SME	$M_L = 5.2$	0.5	3.10
WMQ	14.0	47	-P	06 06 08.0	1.2	
			PMZ		1.0	0.080
GTA	21.3	71	P	06 07 35.7	2.5	
1986 10 13						
O=10 23 41.4 ± 0.13s						
LAT=35.08 N ± 2.14km						
LONG=139.53 E ± 2.09km						
DEPTH=28 km ± 0.51km						
STATIONS USED = 27, STAND DEV = 2.59s						
$M_s = 4.4 / 7,$						
MDJ	12.2	324	cP	10 26 37.5	1.1	
			cS	10 28 55.0	2.6	
			LN	$M_s = 4.1$	18.0	1.13
CN2	13.9	313	cP	10 27 00.6	1.4	
SNY	14.2	303	cP	10 27 05.5	2.8	
DL2	14.8	290	cP	10 27 13.0	2.2	
			LN	$M_s = 4.8$	10.0	2.25
BJI	19.1	292	cP	10 28 02.0	-3.4	
			cS	10 31 25.0	-9.5	
TIY	21.9	285	cP	10 28 31.3	-3.5	
			LN	$M_s = 4.4$	12.0	0.28
			LE		12.0	0.42
GTA	31.7	290	P	10 30 02.3	-3.4	
			LE	$M_s = 4.4$	16.0	0.41
WMQ	40.4	299	cP	10 31 17.5	-1.7	

1986 10 13						
O=13 25 29.5 ± 0.12s						
LAT=33.23 N ± 1.04km						
LONG=104.35 E ± 1.38km						
DEPTH=11 km ± 0.32km						
STATIONS USED = 19, STAND DEV = 2.96s						
$M_L = 3.8 / 12,$						
CD2	2.4	192	Pn	13 26 10.1	1.4	
			Pg	13 26 14.6	3.4	
			Sn	13 26 45.2	5.8	
			Sg	13 26 48.9	5.4	
			SMN	$M_L = 3.3$	0.6	0.18
			SME		0.6	0.21
LZH	2.9	352	cPn	13 26 18.5	2.5	
			Pg	13 26 20.0	-0.4	
			Sn	13 26 50.0	-2.4	
			Sg	13 26 55.0	-4.9	
			SMN	$M_L = 4.2$	1.0	0.60
			SME		1.0	1.52
XAN	3.9	77	cPn	13 26 27.0	-2.8	
			Pg	13 26 36.0	-2.4	
			Sg	13 27 25.0	-6.7	
			SMN	$M_L = 3.8$	0.6	0.24
			SME		0.6	0.20
GYA	7.0	163	Pn	13 27 13.0	0.0	
			Sn	13 28 35.2	0.0	
			Sg	13 29 18.0	8.1	
			SMN	$M_L = 4.1$	1.2	0.070
			SME		1.2	0.080
GTA	7.2	331	cPn	13 27 11.5	-3.4	
			LG ₁	13 29 13.0	-1.8	
TIY	8.0	54	cPg	13 27 51.9	1.5	
			S*	13 29 27.1	7.0	
			SMN	$M_L = 3.8$	0.6	0.030
			SME		0.8	0.030
1986 10 13						
O=16 11 39.9 ± 0.10s						
LAT=36.22 N ± 1.98km						
LONG=70.85 E ± 1.82km						
DEPTH=116 km ± 0.41km						
STATIONS USED = 89, STAND DEV = 1.70s						
$M_L = 5.4 / 2, m_B = 5.6 / 27$						
KSH	5.2	50	+iP	16 12 59.0	2.1	
			S	16 13 59.0	3.3	
			LE		0.5	38.0
WMQ	15.0	54	+iP	16 15 04.5	-2.3	
			PMZ		3.0	2.28
			S	16 17 47.0	-2.2	
			SMN	$m_B = 6.3$	5.0	4.61

			SME		5.0	5.13			S	16 23 02.0	3.3					
			PcP	16 20 03.5	-5.4				SMN	$m_B = 5.1$	8.0	0.43				
GTA	23.1	73	+iP	16 16 37.9	1.6				SME		8.0	0.33				
			pP	16 17 03.5	3.5			TIY	33.1	75	+iP	16 18 07.4	0.4			
			sP	16 17 19.0	4.7						PMZ		1.2 0.19			
			PMZ	$m_B = 5.6$		4.0	1.03				pP	16 18 31.0	-1.2			
			S	16 20 42.0	7.8						sP	16 18 45.5	-0.6			
			SMN	$m_B = 5.7$		8.0	1.55				S	16 23 19.5	3.9			
			sS	16 21 23.0	7.1						SMN	$m_B = 5.5$	7.0 0.68			
			ScS	16 27 33.0	-0.5						SME		6.5 0.64			
			LN			21.0	2.99				sS	16 24 03.5	2.6			
LZH	26.6	80	eP	16 17 10.5	1.0						ScS	16 28 18.5	-0.1			
			PMZ			2.0	0.32				LE		12.0 0.42			
			pP	16 17 34.0	0.1				BJI	35.6	70	eP	16 18 28.0	-0.2		
			S	16 21 40.0	7.1						epP	16 18 50.0	-3.9			
			SMN	$m_B = 5.1$		12.0	0.75				ePP	16 19 52.0	1.8			
			ScS	16 27 48.0	0.3						cS	16 23 58.0	2.9			
CD2	27.8	91	eP	16 17 18.0	-3.0						SMN	$m_B = 5.0$	8.0 0.32			
			pP	16 17 47.5	1.9						ScP	16 24 28.0	-0.3			
			S	16 21 58.0	4.4						ScS	16 28 33.5	1.6			
			sS	16 22 46.0	8.2				WHN	36.5	86	eP	16 18 39.5	3.1		
KMI	29.5	103	+P	16 17 35.0	-0.5						S	16 24 11.0	2.1			
			pP	16 18 04.0	3.8						LN		14.0 1.19			
			PP	16 18 39.0	4.0						TIA	37.1	76	+P	16 18 41.5	0.7
			iS	16 22 21.0	0.6						ScP	16 24 32.3	-1.5			
			SMN	$m_B = 5.6$		7.0	0.90				eS	16 24 15.0	-2.8			
			SME			6.0	1.07				ScS	16 28 37.2	-3.0			
BTO	30.8	70	+iP	16 17 47.7	0.1				QZN	38.3	106	P	16 18 52.4	1.6		
			pP	16 18 14.0	1.5				GZH	38.9	98	eP	16 18 54.0	-2.0		
			ePP	16 18 55.0	2.5				NJ2	39.6	82	-P	16 19 06.4	4.2		
			S	16 22 43.0	2.3						S	16 25 00.0	4.2			
			sS	16 23 30.0	4.4						SMN	$m_B = 5.9$	6.0 1.40			
			SS	16 24 35.0	2.8						sS	16 25 44.0	2.0			
			LN			8.0	0.90				ScS	16 28 55.0	0.0			
			LE			10.0	0.40		DL2	39.9	70	eP	16 19 05.5	0.9		
XAN	31.1	83	P	16 17 49.2	-0.6						S	16 25 03.5	3.4			
			S	16 22 48.0	3.3						SMN	$m_B = 5.7$	6.0 0.83			
			ScP	16 24 12.0	-0.7				SNY	40.8	66	+iP	16 19 11.6	-0.3		
			LN			10.0	0.65				ScP	16 24 46.9	-1.3			
			LE			11.0	0.64				iS	16 25 14.0	-0.2			
GYA	31.9	98	+P	16 17 57.4	0.0						SMN	$m_B = 5.3$	8.0 0.51			
			sP	16 18 37.0	0.6						ScS	16 29 00.0	-2.0			
			PP	16 19 08.0	1.3						LN		7.0 0.76			
			PcP	16 20 45.0	0.7				SSE	41.8	82	P	16 19 20.7	0.4		
			S	16 22 58.0	-0.3						PMZ		1.0 0.16			
			ScP	16 24 14.0	-1.6						pP	16 19 46.0	-0.4			
			ScS	16 28 10.0	-2.9						iS	16 25 32.0	2.7			
HHC	32.0	69	+P	16 17 58.0	0.4						SMN	$m_B = 5.7$	6.0 0.81			
			pP	16 18 23.0	0.4						sS	16 26 17.0	2.2			
			sP	16 18 36.0	-0.6						ScS	16 29 06.0	-2.1			

			LN		8.0	0.30	TIA	19.1	275	-P	21 22 09.5	-0.9			
CN2	41.8	62	+P	16 19 19.8							eS	21 25 38.5	1.1		
			epP	16 19 46.0							SMN			15.0 2.03	
			ScP	16 24 51.0							SME			15.0 0.59	
			eS	16 25 31.0							esS	21 25 55.0	-1.3		
			SMN	$m_B = 5.1$	9.0	0.30					LN	$M_s = 4.8$		15.0 1.65	
MDJ	44.6	60	eP	16 19 43.6							LE			15.0 1.17	
			S	16 26 08.0						BJI	19.6	286	eP	21 22 12.5	-2.7
			ScP	16 25 02.5									pP	21 22 29.0	1.4
			ScS	16 29 24.0									eS	21 25 39.0	-8.2
			SMN	$m_B = 5.3$	6.0	0.31							LN	$M_s = 4.6$	13.0 1.28
										QZH	22.6	244	-P	21 22 45.2	-0.8
													eS	21 26 46.0	1.5
													sS	21 27 05.0	-3.2
													LN	$M_s = 4.6$	15.0 1.14
										TIY	22.6	280	-iP	21 22 45.1	-1.2
													PMZ		1.1 0.22
													PP	21 23 13.5	-1.9
													S	21 26 48.0	3.9
													sS	21 27 02.0	-6.6
													SS	21 27 35.0	5.4
													LN	$M_s = 5.2$	14.5 1.20
													LE		13.5 3.80
										WHN	23.0	261	eP	21 22 49.0	-0.9
													pP	21 23 05.5	1.7
													S	21 26 50.0	-0.8
													LN	$M_s = 5.0$	12.0 1.33
													LE		17.0 2.23
										HHC	23.1	288	eP	21 22 50.0	-1.0
													pP	21 23 01.0	-3.8
													sP	21 23 08.0	-3.7
													S	21 26 50.0	-2.4
													LN	$M_s = 4.8$	14.0 1.50
													LE		12.0 0.63
										BTO	24.3	288	eP	21 23 01.8	-0.6
													esP	21 23 19.0	-4.1
													PP	21 23 36.0	-2.2
													eS	21 27 11.0	-2.8
													eSS	21 28 02.5	-6.7
													LN	$M_s = 4.8$	13.0 0.80
													LE		13.0 1.10
										XAN	26.2	273	P	21 23 20.2	0.0
													sP	21 23 36.9	-4.3
													eS	21 27 43.5	-1.6
													LN	$M_s = 5.0$	16.0 1.90
													LE		13.0 1.16
										GZH	27.6	247	+P	21 23 33.0	0.2
													PMZ	$m_B = 6.0$	4.0 1.50
													S	21 28 11.0	4.3
													LN	$M_s = 5.9$	14.0 13.0

1986 10 13
 O = 21 17 49.3 ± 0.07s
 LAT = 37.10 N ± 1.59km
 LONG = 140.97 E ± 1.53km
 DEPTH = 63 km ± 0.90km
 STATIONS USED = 89, STAND DEV = 1.46s
 $M_s = 5.0 / 39,$ $m_B = 5.6 / 11$

MDJ	11.4	315	-iP	21 20 33.8	1.8									
			sP	21 20 51.0	0.9									
			iS	21 22 45.0	7.2									
			SS	21 22 59.0	6.3									
			ScS	21 33 20.0	-0.1									
CN2	13.6	304	+P	21 21 01.6	1.0									
			PMZ	$m_B = 5.9$	4.0	0.80								
			sP	21 21 18.0	-1.0									
			eS	21 23 30.0	0.5									
			SMN	$m_B = 5.2$	6.0	1.00								
			LN	$M_s = 5.0$	14.0	3.50								
			LE		14.0	3.90								
SNY	14.2	295	+iP	21 21 11.0	1.7									
			PMZ	$m_B = 6.1$	4.0	1.13								
			pP	21 21 19.5	0.0									
			sP	21 21 26.5	-1.2									
			eS	21 23 50.0	4.8									
			sS	21 24 05.5	3.5									
			LN	$M_s = 5.1$	13.0	2.39								
			LE		15.0	6.50								
SSE	17.4	256	+iP	21 21 50.2	0.3									
			PMZ		1.2	0.060								
			sP	21 22 08.5	-0.3									
			iS	21 25 00.0	0.8									
			sS	21 25 12.0	-5.4									
			SS	21 25 24.0	2.3									
			LN	$M_s = 4.8$	13.0	1.80								
			LE		12.0	1.17								
NJ2	18.9	261	+P	21 22 06.2	-1.2									
			eS	21 25 35.0	3.4									
			LE	$M_s = 5.1$	18.0	4.90								

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GTA	15.8	23	P	14 06 42.5	-1.5
XAN	17.3	55	+P	14 07 01.6	-1.1
WMQ	19.0	351	cP	14 07 23.5	-1.2
TIY	21.5	49	+P	14 07 51.1	0.2
BTO	21.6	40	cP	14 07 52.0	-0.2

				ScS	17 11 47.0	7.2		
				LN	Ms=6.6		22.0	23.3
				LE			23.0	38.8
NJ2	49.5	320	+P	17 01 57.0	-0.2			
				PMZ	m _B =6.8		7.0	9.70
				S	17 09 02.0		2.3	
				SME	m _B =6.7		11.0	10.7
				LN	Ms=6.7		19.0	43.3
WHN	51.6	316	+P	17 02 13.5	0.6			
				PMZ	m _B =6.8		8.0	9.62
				S	17 09 32.0		3.9	
				SME	m _B =6.6		11.0	8.71
				sS	17 09 48.0		-0.1	
				LN	Ms=6.3		19.0	17.6
DL2	52.8	329	+P	17 02 21.5	-0.3			
				PMZ	m _B =6.5		10.0	6.20
				S	17 09 48.0		3.7	
				LN	Ms=6.6		22.0	29.1
				LE			24.0	25.6
TIA	53.4	323	+P	17 02 25.7	-0.6			
				PMZ			20.0	8.09
				S	17 09 54.0		1.6	
				ScS	17 12 13.6		5.9	
				LN	Ms=6.0		28.0	12.0
				LE			30.0	5.11
MDJ	53.9	339	cP	17 02 29.4	-0.7			
				pP	17 02 42.0		0.6	
				PP	17 04 29.0		-2.9	
				iS	17 09 57.0		-3.7	
				SME	m _B =6.5		10.0	5.91
SNY	54.0	332	+iP	17 02 30.0	-1.3			
				PMZ			20.0	9.66
				PP	17 04 32.0		-1.3	
				PPMZ			7.0	2.31
				ScP	17 07 30.0		2.2	
				PcS	17 07 32.5		-0.3	
				iS	17 10 00.0		-2.8	
				SMN	m _B =6.3		8.0	1.52
				SME			10.0	3.61
				ScS	17 12 13.0		0.5	
				LN	Ms=6.6		36.0	53.8
				LE			44.0	25.2
CN2	54.8	335	+iP	17 02 35.5	-1.4			
				PMZ	m _B =6.5		8.0	4.70
				PP	17 04 37.0		-3.2	
				S	17 10 11.0		-0.9	
				SME	m _B =6.3		10.0	3.60
				ScS	17 12 14.5		-3.4	
				cSS	17 13 56.0		1.3	
				LN	Ms=6.4		17.0	9.90

1986 10 14
 O=16 53 08.3 ± 0.12s
 LAT= 4.96 S ± 1.31km
 LONG=153.67 E ± 1.93km
 DEPTH= 42 km ± 0.46km
 STATIONS USED = 93, STAND DEV = 1.11s
 Ms=6.6/46, m_B=6.6/61

QZH	45.2	313	+P	17 01 24.5	0.7			
			pP	17 01 34.0	-0.9			
			PP	17 03 06.0	-3.9			
			PcS	17 07 00.0	4.6			
			iS	17 07 59.0	-1.2			
			SMN	m _B =6.5		10.0	2.76	
			SME			10.0	7.18	
			SS	17 11 18.0	3.5			
			LE	Ms=6.1		18.0	14.2	
SSE	47.4	321	+iP	17 01 40.0	-0.9			
			PMZ			1.5	0.31	
			sP	17 01 53.0	-3.6			
			PcP	17 03 10.0	-0.5			
			PP	17 03 30.0	-1.1			
			PcS	17 07 05.0	0.5			
			iS	17 08 27.0	-4.1			
			SMN	m _B =6.6		9.0	2.57	
			SME			9.0	6.63	
			ScS	17 11 28.0	0.7			
			SS	17 11 52.0	0.2			
			LN	Ms=6.2		20.0	11.7	
			LE			21.0	12.1	
GZH	48.2	307	+iP	17 01 49.0	1.6			
			PMZ	m _B =6.7		11.0	10.7	
			PcS	17 07 12.5	4.5			
			S	17 08 48.0	6.1			
			SMN	m _B =6.6		12.0	3.79	
			SME			12.0	9.18	
			ScS	17 11 36.0	3.2			
			LN	Ms=6.8		22.0	23.5	
			LE			21.0	56.8	
QZN	49.3	300	+iP	17 01 56.5	0.9			
			PMZ	m _B =6.6		9.0	7.80	
			PcP	17 03 16.0	-1.4			
			S	17 08 56.5	-0.1			
			SMN	m _B =6.5		10.0	3.30	
			SME			10.0	5.10	



			LE		17.0	15.4				LE		Ms=6.8	23.0	54.5	
GYA	55.2	307	+P	17 02 40.0	0.3		HHC	59.7	324	+iP	17 03 11.0	-0.6			
			PMZ		m _B =6.7	8.0				PMZ		m _B =6.5	8.0	5.17	
			sP	17 02 55.0	-0.5					pP	17 03 22.0	-0.7			
			PcP	17 03 41.0	1.7					sP	17 03 26.0	-1.3			
			S	17 10 21.0	4.0					PcP	17 04 04.0	7.1			
			SMN		m _B =6.5	10.0				PP	17 05 29.0	4.8			
			ScS	17 12 27.0	6.4					S	17 11 17.0	0.8			
			LN		Ms=6.6	20.0				SMN		m _B =6.6	12.0	2.93	
			LE			20.0				SME			10.0	7.89	
BJI	56.5	326	+P	17 02 48.0	-1.1					ScS	17 12 57.0	3.7			
			eS	17 10 33.0	-2.8					LN		Ms=6.6	21.0	15.0	
			SME		m _B =7.0	8.0				LE			21.0	25.4	
			ScS	17 12 35.0	4.9				BTO	60.4	323	+iP	17 03 16.5	-0.3	
			LN		Ms=6.3	19.0						m _B =6.6	8.0	6.80	
			LE			18.0					sP	17 03 31.0	-1.6		
TIY	57.2	322	+iP	17 02 53.5	-0.6						PcP	17 04 00.0	0.0		
			PMZ		m _B =6.7	10.0					PcS	17 08 01.0	0.0		
			sP	17 03 12.5	2.5						S	17 11 27.0	1.0		
			PcS	17 07 51.0	4.4						SMN		m _B =6.5	10.0	1.30
			iS	17 10 40.0	-5.0						SME			10.0	6.20
			SME		m _B =6.3	11.5					sS	17 11 46.0	-0.3		
			ScS	17 12 36.0	1.0						ScS	17 12 58.0	-1.0		
			SS	17 14 27.0	-7.3						SS	17 15 16.5	-8.7		
			LN		Ms=6.4	19.0					LN		Ms=6.4	21.0	11.1
			LE			20.0					LE			20.0	15.8
XAN	57.3	316	+iP	17 02 54.4	-0.7				LZH	61.9	315	+iP	17 03 27.5	0.5	
			pP	17 03 05.0	-1.3							m _B =7.1	4.0	9.84	
			sP	17 03 09.0	-2.0						PcP	17 04 08.0	2.0		
			PcP	17 03 43.0	-4.7						PP	17 05 38.0	-6.6		
			PcS	17 07 42.8	-4.5						PcS	17 08 14.0	6.3		
			S	17 10 44.8	-0.8						iS	17 11 50.0	3.3		
			SMN		m _B =7.0	8.0					SME		m _B =5.7	10.0	0.99
			SME			8.0					SS	17 15 40.0	-9.4		
			ScS	17 12 43.8	7.7						LN		Ms=6.5	21.0	19.9
			LN		Ms=6.6	18.0					LE			20.0	11.2
			LE			20.0			GTA	66.4	317	+iP	17 03 56.5	0.8	
KMI	57.8	304	+iP	17 02 59.0	0.5							m _B =6.4	9.0	4.10	
			pP	17 03 08.0	-1.5						iS	17 12 38.0	-3.2		
			PP	17 05 10.0	2.8						SME		m _B =6.8	8.0	9.90
			iS	17 10 55.0	1.8						ScS	17 13 48.0	4.2		
			SMN		m _B =6.6	10.0					LN		Ms=6.3	19.0	11.3
			SME			10.0			WMQ	76.4	317	+iP	17 04 56.4	0.2	
			ScS	17 12 46.0	6.6							m _B =6.8	9.0	11.3	
			SS	17 14 50.0	6.1						PcP	17 05 08.0	1.1		
			LE		Ms=6.6	22.0					PP	17 07 45.0	-3.6		
CD2	59.5	310	+iP	17 03 10.0	-0.2						S	17 14 38.5	2.7		
			PMZ		m _B =6.8	12.0					SME		m _B =6.9	10.0	9.82
			S	17 11 12.0	-1.8						ScS	17 15 04.0	0.4		
			ScS	17 12 58.0	6.1						LN		Ms=6.7	26.0	20.3

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				26.0	21.0
KSH	83.7	310	+P	17 05 37.0	2.0
			PMZ	$m_B = 7.1$	8.0
			sP	17 05 51.0	0.1
			iS	17 15 59.5	6.2
			SME	$m_B = 7.3$	10.0
			eSS	17 21 29.0	7.5

1986 10 14

O=17 56 49.3 ± 0.07s
 LAT= 5.04 S ± 0.67km
 LONG=153.56 E ± 0.97km
 DEPTH= 77 km ± 0.36km
 STATIONS USED = 19, STAND DEV= 0.98s

GYA	55.1	307	P	18 06 16.4	-0.3
XAN	57.3	316	P	18 06 31.2	-1.0
CD2	59.5	310	-iP	18 06 46.8	-0.4
			PMZ		0.6
LZH	61.9	316	P	18 07 04.0	0.0
GTA	66.3	317	+iP	18 07 33.0	0.2
WMQ	76.4	317	eP	18 08 33.2	0.1

1986 10 14

O=19 04 14.6 ± 0.22s
 LAT= 6.34 S ± 2.02km
 LONG=130.19 E ± 2.20km
 DEPTH=137 km ± 1.94km
 STATIONS USED = 38, STAND DEV= 2.13s

QZN	32.2	322	P	19 10 31.8	-0.4
GYA	39.8	326	P	19 11 36.0	-0.2
KMI	41.1	321	+P	19 11 48.0	0.7
CD2	44.9	327	eP	19 12 16.2	-1.1
XAN	44.9	335	P	19 12 16.8	-1.1
TIY	46.8	341	eP	19 12 32.4	-0.7
			LE		19.0
BJI	47.9	345	eP	19 12 40.0	-1.4
LZH	48.9	332	P	19 12 49.0	-0.2
GTA	53.5	331	+iP	19 13 23.0	-0.6
WMQ	62.9	327	eP	19 14 29.0	-0.5

1986 10 14

O=21 17 58.0 ± 0.20s
 LAT=31.79 S ± 2.10km
 LONG=178.80 W ± 2.70km
 DEPTH= 48 km ± 2.66km
 STATIONS USED = 19, STAND DEV= 3.29s

NJ2	86.6	311	+P	21 30 39.0	0.6
CN2	90.8	323	eP	21 30 56.8	-1.6
GYA	91.7	300	P	21 31 02.8	0.5
TIY	94.3	312	eP	21 31 15.5	1.2

1986 10 15

O=00 03 35.1 ± 0.07s
 LAT= 1.84 N ± 0.92km
 LONG=126.50 E ± 2.31km
 DEPTH= 33 km ± 0.14km
 STATIONS USED = 14, STAND DEV= 1.55s

QZN	23.6	317	eP	00 08 45.8	1.4
BJI	39.2	347	eP	00 11 01.0	-0.9
MDJ	42.7	3	eP	00 11 30.0	-0.9

1986 10 15

O=08 55 45.9 ± 0.11s
 LAT=40.58 N ± 1.10km
 LONG=122.82 E ± 0.86km
 DEPTH= 18 km ± 0.07km
 STATIONS USED = 17, STAND DEV= 1.91s

						$M_L = 3.7 / 16,$	
SNY	1.4	24	+iPg	08 56 07.8	-2.6		
			Sg	08 56 24.2	-5.1		
			SMN	$M_L = 3.5$	0.4	0.87	
			SME		0.4	0.67	
DL2	1.9	209	Pg	08 56 20.0	0.3		
			Sg	08 56 46.0	0.2		
			SMN	$M_L = 4.0$	0.5	1.14	
			SME		0.5	1.56	
CN2	3.8	30	Pg	08 56 51.4	-1.2		
			Sn	08 57 25.0	-4.6		
			Sg	08 57 39.2	-4.8		
			SMN	$M_L = 3.8$	1.0	0.23	
			SME		1.0	0.21	
BJI	5.1	266	ePg	08 57 17.0	0.8		
			eSg	08 58 26.0	0.0		
			SMN	$M_L = 3.4$	0.5	0.050	
			SME		0.5	0.040	
MDJ	6.4	49	ePg	08 57 40.5	1.1		
			Sg	08 59 04.5	-2.7		
			SMN	$M_L = 4.1$	1.0	0.11	

1986 10 15

O=13 14 29.5 ± 0.15s
 LAT= 6.14 S ± 1.14km
 LONG=146.83 E ± 0.19km
 DEPTH= 95 km ± 1.49km
 STATIONS USED = 59, STAND DEV= 1.10s

SSE	44.4	328	+P	13 22 33.5	0.7
			PMZ		1.0
			cS	13 29 03.0	2.9
NJ2	46.4	327	+P	13 22 49.0	0.3
WHN	47.9	321	eP	13 23 02.5	1.8

TIA	50.5	329	eP	13 23 19.7	-0.8		
DL2	50.5	335	P	13 23 21.2	0.5		
SNY	52.3	338	+iP	13 23 33.2	-0.4		
MDJ	52.9	345	+P	13 23 37.6	-0.5		
KMI	53.0	308	+P	13 23 40.5	1.4		
CN2	53.3	341	eP	13 23 40.4	-1.3		
XAN	53.7	321	+iP	13 23 43.5	-0.8		
			LN			13.0	1.45
BJI	53.9	331	eP	13 23 45.0	-1.1		
			epP	13 24 11.0	2.1		
			eS	13 31 07.0	-6.0		
CD2	55.3	314	+iP	13 23 56.6	0.9		
HHC	56.9	328	-iP	13 24 07.2	-0.1		
BTO	57.5	327	eP	13 24 11.0	-0.8		
			pP	13 24 37.0	2.4		
			PP	13 26 19.0	-2.3		
			eS	13 32 00.0	-0.5		
GTA	62.7	320	+iP	13 24 47.6	0.0		
WMQ	72.8	319	P	13 25 50.5	0.3		

CD2	19.1	308	eP	13 21 02.2	0.4		
			PMZ			0.8	0.040
			eS	13 24 24.0	-6.1		
TIY	19.2	339	eP	13 21 03.5	-0.1		
			S	13 24 34.5	1.6		
			SS	13 24 57.5	-1.5		
			LE			Ms=4.5	14.0 0.97
BJI	20.5	349	eP	13 21 16.0	-0.7		
			eS	13 24 55.0	-4.6		
			LN			Ms=4.2	13.0 0.45
SNY	21.9	5	+P	13 21 32.2	0.9		
LZH	22.1	320	-iP	13 21 35.0	1.5		
BTO	22.7	338	eP	13 21 40.0	1.0		
			esP	13 21 47.0	-3.9		
			PP	13 22 08.0	1.1		
			S	13 25 43.0	3.1		
			sS	13 25 53.0	-0.9		
			LN			Ms=4.5	14.0 0.70
			LE				14.0 0.50
CN2	24.0	8	eP	13 21 51.2	-1.2		
MDJ	25.6	14	eP	13 22 05.2	-1.9		

1986 10 15

O=13 16 38.6 ± 0.12s
 LAT=19.97 N ± 1.46km
 LONG=121.13 E ± 1.79km
 DEPTH= 29 km ± 0.40km
 STATIONS USED = 64, STAND DEV= 1.67s
 Ms=4.5/ 11, ML=4.0/ 5,

QZH	5.5	335	ePn	13 17 58.5	-0.2		
			eSn	13 19 01.4	-1.2		
			LN			Ms=4.0	14.0 2.90
GZH	7.9	295	-Pn	13 18 31.5	-0.3		
			eSn	13 19 58.0	-4.2		
			LE			Ms=4.1	16.0 2.29
QZN	10.7	267	P	13 19 09.8	-3.2		
			S	13 21 08.0	-4.4		
			LN			Ms=4.6	5.0 1.70
			LE				14.0 1.10
SSE	11.1	0	eP	13 19 18.0	-0.4		
			eS	13 21 21.0	-1.4		
			sS	13 21 36.0	2.9		
			LN			Ms=4.3	20.0 1.20
			LE				20.0 1.80
WHN	12.2	331	eP	13 19 30.5	-2.8		
GYA	14.8	299	P	13 20 07.0	-0.7		
TIA	16.6	349	eP	13 20 32.0	1.5		
XAN	17.7	325	eP	13 20 46.1	1.0		
KMI	17.7	290	eP	13 20 47.0	1.4		
			pP	13 20 51.0	-1.4		
			eS	13 24 10.0	9.7		
			LE			Ms=4.5	14.0 1.30

1986 10 15

O=13 22 12.0
 LAT=24.00 N
 LONG=122.30 E
 DEPTH= 15 km
 STATIONS USED = 7, STAND DEV= 3.41s
 ML=3.5/ 5,

QZH	3.5	286	ePn	13 23 06.5	0.0		
			SMN			ML=3.6	0.8 0.29
			SME				0.6 0.070

1986 10 15

O=14 05 46.6 ± 0.04s
 LAT=36.43 N ± 0.66km
 LONG= 70.61 E ± 0.49km
 DEPTH=210 km ± 0.35km
 STATIONS USED = 18, STAND DEV= 0.97s
 ML=4.7/ 1,

KSH	5.2	53	-iP	14 07 06.0	1.1		
			iS	14 08 05.0	-0.4		
			LE				0.5 3.80
WMQ	15.0	55	P	14 09 09.5	-0.3		
GTA	23.2	74	+iP	14 10 37.7	1.5		

1986 10 15

O=22 03 10.6 ± 0.18s
 LAT=10.47 S ± 2.58km
 LONG=162.78 E ± 2.86km

DEPTH = 28 km ± 1.45km
 STATIONS USED = 77, STAND DEV = 2.32s
 Ms = 5.2 / 6, m_B = 5.7 / 2

SSE	57.4	317	P	22 12 58.6	-1.2		
			esS	22 21 10.0	2.1		
			LN	Ms = 5.2	20.0	0.60	
			LE		20.0	0.90	
GZH	58.8	305	cP	22 13 08.5	-0.6		
NJ2	59.6	317	-P	22 13 15.0	0.2		
WHN	61.8	313	cP	22 13 29.0	-1.2		
DL2	62.3	325	cP	22 13 32.0	-1.2		
MDJ	62.5	334	+P	22 13 36.5	1.8		
			S	22 22 04.0	6.2		
			LN	Ms = 5.2	20.0	1.10	
TIA	63.3	320	cP	22 13 38.2	-1.5		
SNY	63.3	328	+P	22 13 40.0	0.3		
			eS	22 22 00.0	-8.6		
			LN	Ms = 5.3	18.0	0.83	
			LE		20.0	0.72	
CN2	63.8	331	+iP	22 13 44.3	1.3		
			sS	22 22 32.0	2.7		
			LN	Ms = 5.1	22.0	0.80	
GYA	65.7	305	P	22 13 57.0	1.4		
BJI	66.2	322	cP	22 13 59.0	0.2		
TIY	67.2	319	cP	22 14 05.0	0.1		
XAN	67.6	314	+P	22 14 06.8	-0.7		
KMI	68.3	302	+P	22 14 11.5	-0.9		
			SMN	m _B = 5.8	7.0	0.75	
HHC	69.5	321	-iP	22 14 20.5	0.9		
CD2	69.9	308	P	22 14 21.8	-0.3		
BTO	70.4	320	cP	22 14 25.6	1.0		
LZH	72.2	313	cP	22 14 36.0	0.1		
			PMZ		2.0	0.10	
GTA	76.6	315	+iP	22 15 02.3	1.1		
			ScS	22 25 14.0	3.6		
			LE	Ms = 5.2	20.0	0.83	
WMQ	86.6	316	P	22 15 55.1	1.3		
KSH	94.1	309	P	22 16 42.0	14.3		

1986 10 15
 O = 23 04 14.9 ± 0.19s
 LAT = 56.35 S ± 3.25km
 LONG = 25.60 W ± 3.97km
 DEPTH = 33 km ± 0.97km
 STATIONS USED = 27, STAND DEV = 2.58s

GTA	140.8	92	PKP	23 23 41.5	-1.3
XAN	141.9	106	cPKP	23 23 39.2	-5.4
NJ2	145.4	120	-PKP	23 23 51.0	0.4
SSE	145.7	123	+PKP	23 23 51.5	0.4
			pPKP	23 24 01.8	1.1

TIY	146.5	106	PKP	23 23 53.0	0.4
BTO	147.3	100	cPKP	23 23 55.0	1.1
HHC	148.3	101	cPKP	23 23 59.0	3.5
BJI	150.2	107	cPKP	23 24 02.0	3.6

1986 10 15
 O = 23 35 50.1 ± 0.07s
 LAT = 59.71 N ± 0.58km
 LONG = 153.08 W ± 0.42km
 DEPTH = 120 km ± 0.49km
 STATIONS USED = 46, STAND DEV = 0.50s

MDJ	46.9	288	cP	23 44 10.0	-1.0
CN2	49.5	290	+iP	23 44 31.0	-0.1
			PcP	23 45 50.0	-0.7
SNY	51.9	289	+P	23 44 49.2	0.0
BJI	56.8	293	cP	23 45 25.0	0.2
			PcP	23 46 16.0	-2.2
HHC	58.3	297	-P	23 45 35.2	0.0
BTO	59.2	298	-iP	23 45 40.8	-0.6
TIY	60.4	295	-iP	23 45 50.2	0.3
NJ2	62.0	286	-P	23 46 00.0	-0.3
GTA	64.6	305	P	23 46 16.9	-0.5
XAN	65.1	295	-P	23 46 19.8	-0.8
WHN	65.4	289	cP	23 46 22.5	-0.2
WMQ	65.4	316	P	23 46 24.1	1.0
LZH	65.6	300	P	23 46 23.5	-0.9
			PMZ		1.0 0.10
CD2	70.0	297	cP	23 46 51.0	-0.6
			PMZ		0.7 0.040
GYA	72.5	292	-P	23 47 06.4	0.1
KSH	73.2	322	P	23 46 53.0	-16.7

1986 10 16
 O = 05 38 12.7 ± 0.77s
 LAT = 41.07 S ± 12.78km
 LONG = 85.75 E ± 7.14km
 DEPTH = 8 km ± 1.35km
 STATIONS USED = 13, STAND DEV = 3.41s

KMI	67.7	17	cP	05 49 23.5	10.8
GYA	69.9	20	P	05 49 30.0	2.7
CD2	73.5	16	cP	05 49 40.8	-7.9
XAN	77.7	20	cP	05 50 11.6	-1.0
GTA	81.1	11	P	05 50 29.5	-1.6
TIA	82.1	25	cP	05 50 34.2	-2.0
WMQ	84.5	1	P	05 50 51.0	2.4

1986 10 16
 O = 07 04 34.7 ± 0.11s
 LAT = 40.47 N ± 2.01km
 LONG = 139.45 E ± 1.42km

DEPTH = 24 km \pm 0.35km
 STATIONS USED = 22, STAND DEV = 2.26s
 $M_s = 4.1 / 2$,

MDJ	8.4	303	cP	07 06 33.5	-4.2		
			SS	07 08 25.0	-0.2		
CN2	10.9	292	cP	07 07 11.6	-1.3		
TIA	18.0	264	cP	07 08 46.2	0.7		
TIY	21.1	271	c(P)	07 09 24.0	3.5		
			LE	$M_s = 4.4$	11.0	0.50	
XAN	25.1	265	cP	07 10 02.3	3.1		
LZH	28.2	273	cP	07 10 28.5	0.5		
GTA	30.2	281	P	07 10 48.6	2.2		
			PMZ			20.0	0.49

1986 10 16

O = 08 24 02.0 \pm 0.02s
 LAT = 37.36 N \pm 0.34km
 LONG = 72.04 E \pm 0.20km
 DEPTH = 210 km \pm 0.22km
 STATIONS USED = 8, STAND DEV = 0.69s

 $M_L = 4.2 / 2$,

KSH	3.7	55	cP	08 25 02.4	0.6		
			S	08 25 47.5	0.0		
			SMN	$M_L = 4.4$	0.5	0.90	
			SME		0.5	1.10	

1986 10 16

O = 15 37 24.4 \pm 0.30s
 LAT = 44.77 N \pm 2.38km
 LONG = 79.33 E \pm 3.28km
 DEPTH = 4 km \pm 0.62km
 STATIONS USED = 7, STAND DEV = 3.47s

 $M_L = 3.7 / 6$,

WMQ	6.1	96	Pn	15 38 57.4	1.9		
			Sg	15 40 35.0	0.1		
			SMN	$M_L = 3.6$	0.5	0.040	

1986 10 16

O = 17 59 03.9 \pm 0.12s
 LAT = 30.00 N \pm 2.26km
 LONG = 68.40 E \pm 1.43km
 DEPTH = 31 km \pm 0.08km
 STATIONS USED = 12, STAND DEV = 2.66s

KSH	11.3	31	cP	18 01 42.0	-4.7		
			cS	18 03 45.0	-8.2		
WMQ	20.6	43	P	18 03 45.0	1.2		
GTA	27.4	61	P	18 04 52.4	3.4		

1986 10 16

O = 19 01 47.3 \pm 0.03s

LAT = 29.03 N \pm 0.70km
 LONG = 52.69 E \pm 0.54km
 DEPTH = 31 km \pm 0.20km

STATIONS USED = 26, STAND DEV = 0.67s

WMQ	31.5	53	P	19 08 10.1	0.7		
GTA	39.9	62	P	19 09 21.5	0.7		
GYA	47.5	80	P	19 10 21.0	-1.0		
TIY	49.9	64	cP	19 10 40.5	-0.1		
TIA	53.9	65	P	19 11 10.1	-0.2		

1986 10 16

O = 19 25 01.1 \pm 0.10s
 LAT = 37.33 N \pm 2.11km
 LONG = 116.42 W \pm 1.56km
 DEPTH = 16 km \pm 0.72km

STATIONS USED = 44, STAND DEV = 1.27s

MDJ	79.0	318	cP	19 37 05.5	-1.2		
CN2	81.7	320	+P	19 37 20.4	-0.8		
SNY	84.1	319	+P	19 37 34.0	0.6		
BJI	89.1	322	cP	19 37 58.0	-0.1		
BTO	91.5	326	P	19 38 09.3	-0.2		
TIA	91.6	319	P	19 38 09.9	0.2		
TIY	92.8	323	cP	19 38 15.7	0.6		
SSE	93.2	313	+iP	19 38 17.4	0.4		
			PMZ			1.2	0.090
NJ2	93.8	316	-P	19 38 20.0	0.2		
GTA	96.7	333	-P	19 38 33.4	0.3		
XAN	97.4	323	cP	19 38 36.0	-0.2		

1986 10 16

O = 19 54 09.9 \pm 0.09s
 LAT = 27.78 N \pm 1.62km
 LONG = 66.61 E \pm 1.75km
 DEPTH = 40 km \pm 0.56km

STATIONS USED = 57, STAND DEV = 1.45s

 $M_s = 4.7 / 5$,

KSH	14.0	31	+P	19 57 29.0	0.9		
			cS	20 00 03.0	0.0		
WMQ	23.3	41	+P	19 59 16.5	0.9		
			PMZ			2.0	0.60
			PP	19 59 41.0	-5.6		
			cS	20 03 25.0	3.3		
			LN	$M_s = 5.0$	18.0	2.76	
GTA	29.8	59	+iP	20 00 16.3	0.3		
			LN	$M_s = 4.6$	10.0	0.40	
KMI	32.4	86	+P	20 00 37.0	-1.6		
CD2	32.4	75	cP	20 00 38.2	-0.7		
LZH	32.5	66	cP	20 00 39.5	-0.1		
			PMZ			2.5	0.16
GYA	35.6	83	P	20 01 04.6	-1.3		

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BTO	37.8	59	cP	20 01 24.0	-0.3		
TIY	39.5	64	cP	20 01 38.6	0.2		
			LE			Ms=4.7	14.0 0.48
WHN	41.5	74	cP	20 01 55.5	0.0		
BJI	42.4	60	cP	20 02 03.5	0.8		
TIA	43.3	66	cP	20 02 09.8	0.2		
NJ2	45.1	71	-P	20 02 25.0	0.4		
SSE	47.3	72	cP	20 02 49.0	7.6		
SNY	48.0	57	cP	20 02 48.4	1.0		
CN2	49.3	55	cP	20 02 57.4	-0.2		
			cPP	20 04 52.6	1.4		
			cS	20 10 00.0	-0.1		

1986 10 16

O=20 27 57.9 ± 0.14s
 LAT= 6.23 S ± 1.24km
 LONG=146.32 E ± 0.58km
 DEPTH= 68 km ± 1.24km
 STATIONS USED = 22, STAND DEV = 1.56s

KMI	52.6	308	-P	20 37 09.0	1.2		
GTA	62.5	321	P	20 38 16.8	-0.5		

1986 10 16

O=20 48 24.1 ± 0.13s
 LAT=30.41 N ± 1.01km
 LONG=103.04 E ± 1.01km
 DEPTH= 7 km ± 0.55km
 STATIONS USED = 17, STAND DEV = 3.52s

						ML=4.0 / 10,	
CD2	0.8	51	-iPg	20 48 40.8	2.6		
			Sg	20 48 51.0	2.1		
			SMN			ML=3.6	0.4 1.54
			SME				0.4 1.97
GYA	5.1	140	Pn	20 49 45.8	4.8		
			Pg	20 50 00.6	7.0		
			Sn	20 50 46.8	5.0		
			Sg	20 51 05.8	2.9		
			SMN			ML=4.3	1.2 0.40
			SME				1.2 0.30
KMI	5.3	183	cPn	20 49 44.0	0.0		
			Pg	20 49 50.5	-6.8		
			Sn	20 50 44.0	-3.0		
			SMN			ML=4.5	1.5 0.15
			SME				1.0 0.80
LZH	5.7	7	cPg	20 50 13.0	8.1		
			cSg	20 51 30.0	7.5		
			SMN				2.0 0.090
			SME				2.0 0.16
XAN	6.2	53	Pn	20 49 56.2	0.4		
			Pg	20 50 13.5	0.8		

Sn	20 51 03.1	-5.6		
Sg	20 51 32.2	-4.6		
SMN		ML=4.4	1.2	0.26
SME			1.2	0.26

CN2	22.2	47	cP	20 53 20.0	-3.2		
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1986 10 16

O=23 03 07.3 ± 0.08s
 LAT= 1.36 N ± 0.73km
 LONG=127.60 E ± 0.58km
 DEPTH=208 km ± 0.98km
 STATIONS USED = 25, STAND DEV = 1.08s

QZN	24.7	316	cP	23 08 11.7	0.4		
TIY	38.8	341	-P	23 10 13.9	0.1		
BJI	39.9	346	cP	23 10 22.5	-0.2		
SNY	40.4	355	+P	23 10 26.8	-0.6		
CN2	42.3	358	cP	23 10 41.4	-1.2		
GTA	45.6	330	+iP	23 11 08.9	0.1		
WMQ	55.2	326	-iP	23 12 20.8	-0.1		

1986 10 17

O=07 32 50.7 ± 0.09s
 LAT= 5.25 S ± 1.27km
 LONG=131.55 E ± 1.74km
 DEPTH= 68 km ± 0.28km
 STATIONS USED = 97, STAND DEV = 1.04s
 Ms=6.0 / 33, mB=6.5 / 33

GZH	33.3	328	-P	07 39 24.5	0.1		
			S	07 44 38.0	-0.4		
			ScP	07 45 43.8	2.0		
			LN			Ms=6.1	32.0 36.3
			LE				30.0 19.3
SSE	37.5	345	+iP	07 40 00.8	1.0		
			PMZ				0.8 0.13
			pP	07 40 18.0	1.8		
			PP	07 41 30.0	1.7		
			S	07 45 40.0	-2.4		
			SS	07 48 18.0	-0.7		
			LN			Ms=6.0	36.0 31.1
NJ2	39.0	343	-P	07 40 12.0	-0.6		
			iS	07 46 00.0	-6.7		
			SMN				14.0 7.30
			ScP	07 46 04.4	1.8		
			LN			Ms=6.0	15.0 11.2
WHN	39.2	336	+P	07 40 15.0	0.7		
			PMZ			mB=6.8	4.0 6.13
			pP	07 40 34.0	3.3		
			S	07 46 06.0	-2.8		
			SMN			mB=6.4	11.0 7.97
			LN			Ms=5.9	10.0 5.20

GYA	39.7	324	+P	07 40 18.0	-0.3					sS	07 48 17.5	-4.7		
			PMZ			1.4	0.80			ScS	07 51 02.0	4.8		
			pP	07 40 36.0	1.4					SS	07 51 16.5	4.9		
			ScP	07 46 06.0	0.8					LE	Ms=5.8	15.0	4.76	
			S	07 46 14.0	-1.9			BJI	47.2	344	P	07 41 19.0	-0.3	
			SMN	m _B =6.6	7.0	6.60				epP	07 41 38.0	2.1		
			SME		7.0	5.10				ScP	07 46 37.0	1.3		
			SS	07 48 58.0	-9.5					S	07 48 01.0	-4.7		
			ScS	07 50 20.0	3.5					SMN	m _B =6.5	12.0	6.80	
			LE	Ms=6.0	16.0	12.4				SME		8.0	3.70	
KMI	41.2	318	+iP	07 40 31.5	0.7					esS	07 48 34.0	-1.6		
			PMZ	m _B =6.5	4.0	2.70				ScS	07 51 06.5	3.2		
			pP	07 40 49.5	2.5					eSS	07 51 25.0	-2.3		
			PP	07 42 09.0	0.0					LN	Ms=5.7	10.0	2.20	
			iS	07 46 39.0	-0.5					LE		10.0	1.79	
TIA	43.4	343	P	07 40 48.4	-0.4			SNY	47.4	352	-iP	07 41 20.4	-0.2	
			sP	07 41 06.2	-7.4					sP	07 41 47.0	1.5		
			PcP	07 42 36.4	0.4					PP	07 43 11.0	-1.0		
			ScP	07 46 21.8	1.9					S	07 48 07.5	-0.6		
			S	07 47 09.0	-1.7					SMN	m _B =6.3	6.0	1.72	
			SMN	m _B =6.4	12.0	5.33				SME		10.0	2.81	
			SME		8.0	3.11				SS	07 51 31.0	0.6		
			ScS	07 50 42.5	3.6					LN	Ms=5.9	11.0	1.47	
			LN	Ms=5.7	36.0	11.4				LE		16.0	6.46	
XAN	44.5	333	+iP	07 40 57.3	-0.7			LZH	48.6	330	+iP	07 41 30.5	0.2	
			PMZ	m _B =6.2	5.0	1.64				PMZ		2.5	1.60	
			pP	07 41 15.0	0.5					pP	07 41 48.0	1.2		
			PP	07 42 42.0	-1.4					ScP	07 46 44.0	2.4		
			ScP	07 46 26.0	1.4					S	07 48 20.0	-5.2		
			S	07 47 25.0	-2.3					SME	m _B =6.9	12.0	19.0	
			SMN	m _B =6.7	9.0	11.6				LN	Ms=6.1	15.0	7.79	
			SS	07 50 38.0	-3.4					LE		15.0	5.22	
			LN	Ms=5.8	12.0	4.85		CN2	49.1	354	-P	07 41 33.4	-0.6	
CD2	44.7	325	P	07 40 58.7	-0.6					pP	07 41 49.0	-1.7		
			pP	07 41 16.6	0.8					PcP	07 42 56.6	0.4		
			S	07 47 22.8	-6.7					ScP	07 46 45.4	1.7		
			sS	07 47 52.0	-7.2					eS	07 48 30.0	-3.3		
DL2	44.9	349	P	07 41 03.0	2.4					SMN	m _B =6.0	8.0	1.50	
			sP	07 41 30.0	4.5					ScS	07 51 18.0	2.2		
			S	07 47 29.0	-3.1					SS	07 51 58.0	-1.9		
			SMN	m _B =6.5	8.0	4.10		HHC	49.4	340	-P	07 41 36.0	-0.2	
			SME		8.0	4.90				pP	07 41 55.0	2.2		
			LE	Ms=6.1	14.0	10.9				sP	07 42 04.0	3.1		
TIY	46.3	339	+iP	07 41 11.0	-1.0					PP	07 43 32.0	0.9		
			pP	07 41 31.5	3.0					S	07 48 35.0	-0.9		
			PP	07 42 54.5	-6.6					SS	07 52 01.0	-3.4		
			PcS	07 46 32.5	-6.6					LN	Ms=5.8	14.0	3.25	
			iS	07 47 52.0	-1.6					LE		13.0	1.96	
			SMN	m _B =6.5	10.0	2.59		MDJ	49.7	358	cP	07 41 37.7	-0.4	
			SME		6.0	4.65				pP	07 41 58.0	3.1		

$M_L = 3.9 / 5,$

WMQ	1.8	44	-iPg	18 20 16.0	1.5		
			Sg	18 20 39.5	0.8		
GTA	10.9	102	P	18 22 25.6	1.8		
			LG ₁	18 25 19.0	-6.9		
			LN			1.1	0.070
			LE			0.8	0.010

1986 10 17

O = 20 21 18.5 ± 0.06s

LAT = 16.16 S ± 1.54km

LONG = 173.91 W ± 1.65km

DEPTH = 112 km ± 0.79km

STATIONS USED = 28, STAND DEV = 1.44s

CN2	81.3	320	cP	20 33 25.0	0.1		
BJI	85.6	314	(P)	20 33 42.5	-4.0		
GYA	88.0	298	cP	20 34 00.4	2.4		
XAN	88.7	306	cP	20 34 01.8	0.5		
BTO	90.2	312	cP	20 34 10.0	1.6		
KMI	90.9	296	cP	20 34 14.0	2.0		

1986 10 17

O = 22 58 08.3 ± 0.11s

LAT = 12.12 N ± 1.20km

LONG = 144.20 E ± 1.03km

DEPTH = 41 km ± 0.61km

STATIONS USED = 21, STAND DEV = 1.03s

BJI	37.2	323	(P)	23 05 20.5	2.6		
XAN	38.8	310	cP	23 05 32.0	0.6		
CD2	41.7	303	cP	23 05 55.1	-0.4		
GTA	47.7	313	+P	23 06 42.8	-0.5		
WMQ	57.7	314	P	23 07 57.7	0.0		

1986 10 18

O = 01 02 50.9 ± 0.11s

LAT = 51.75 N ± 3.02km

LONG = 175.25 W ± 1.46km

DEPTH = 32 km ± 1.07km

STATIONS USED = 85, STAND DEV = 1.33s

$M_s = 5.2 / 14,$ $m_B = 5.3 / 4$

MDJ	36.7	281	cP	01 09 58.0	1.0		
			PP	01 11 23.0	0.9		
CN2	39.6	283	-P	01 10 22.0	0.3		
			PMZ			$m_B = 5.4$	6.0 0.40
			PP	01 11 56.0	-1.1		
			cS	01 16 22.0	-1.0		
			ScS	01 20 24.0	-0.3		
BJI	47.5	284	cP	01 11 25.5	0.6		
			cS	01 18 11.0	-5.6		
			SMN			$m_B = 5.1$	10.0 0.28

TIA	49.3	279	+P	01 11 39.4	0.1		
			S	01 18 40.0	-1.6		
			LN			$M_s = 5.1$	15.0 0.87
HHC	49.7	288	cP	01 11 43.0	0.5		
			S	01 18 49.0	1.9		
			LN			$M_s = 5.2$	16.0 0.71
			LE				16.0 0.96
SSE	50.2	272	+P	01 11 47.4	1.2		
			PMZ				1.0 0.16
			sP	01 11 54.5	-4.9		
			cS	01 18 58.0	2.8		
			LE			$M_s = 5.0$	30.0 1.27
BTO	50.8	289	+P	01 11 50.0	-0.7		
			pP	01 11 54.5	-5.3		
			PP	01 13 45.0	-1.9		
			S	01 19 02.5	0.6		
			LN			$M_s = 5.3$	17.0 1.20
			LE				17.0 1.10
NJ2	51.0	274	+iP	01 11 52.3	0.0		
TIY	51.2	284	+P	01 11 54.5	0.8		
			S	01 19 10.0	2.5		
			LE			$M_s = 5.3$	20.0 1.72
WHN	54.8	276	+iP	01 12 20.5	-0.2		
			PcP	01 13 22.5	0.5		
			cS	01 19 58.0	-0.3		
			LE			$M_s = 4.9$	24.0 0.70
XAN	55.8	283	+P	01 12 26.9	-0.6		
LZH	57.4	288	+P	01 12 37.5	-1.8		
			PMZ			$m_B = 5.7$	4.0 0.44
GTA	57.5	294	+iP	01 12 38.2	-1.6		
			cS	01 20 34.0	0.3		
			LN			$M_s = 5.4$	16.0 1.48
GZH	60.8	271	P	01 13 03.0	0.3		
WMQ	61.0	305	P	01 13 03.0	-1.1		
CD2	61.1	284	cP	01 13 04.5	0.0		
GYA	62.5	278	+P	01 13 14.0	-0.1		
KMI	65.9	280	+P	01 13 36.0	-0.3		
QZN	66.0	271	P	01 13 38.0	1.1		

1986 10 18

O = 08 48 30.2 ± 0.05s

LAT = 29.97 N ± 1.50km

LONG = 51.48 E ± 0.91km

DEPTH = 54 km ± 0.81km

STATIONS USED = 19, STAND DEV = 1.28s

GTA	40.4	63	P	08 56 06.0	0.5		
XAN	48.3	70	cP	08 57 08.0	-0.9		

1986 10 18

October, 1986



O=08 54 38.7 ± 0.08s
 LAT= 5.15 N ± 0.93km
 LONG=125.36 E ± 1.19km
 DEPTH=194 km ± 0.69km
 STATIONS USED = 26, STAND DEV= 1.19s

QZN	20.5	314	eP	08 59 04.1	1.0
XAN	32.5	334	P	09 00 52.2	-1.8
BJI	35.7	348	eP	09 01 37.0	16.7
SNY	36.6	358	eP	09 01 28.0	0.1
LZH	36.6	330	eP	09 01 28.5	0.0
MDJ	39.5	5	eP	09 01 53.0	0.7
GTA	41.2	330	-iP	09 02 07.1	0.7
			ScP	09 07 31.6	0.3
WMQ	50.8	325	eP	09 03 21.2	-0.5

1986 10 18
 O=09 46 43.1 ± 0.08s
 LAT=12.16 N ± 1.05km
 LONG=142.95 E ± 1.16km
 DEPTH= 50 km ± 0.20km
 STATIONS USED = 81, STAND DEV= 0.89s
 Ms=4.9 / 21, m_B=5.5 / 4

QZH	26.3	302	eP	09 52 16.0	-0.2
			eS	09 56 40.0	-3.1
			LE	Ms=4.9	22.0 2.20
SSE	27.6	317	eP	09 52 27.0	-0.6
			pP	09 52 38.0	-1.6
			S	09 57 02.0	-0.6
			sS	09 57 20.0	-4.2
			SS	09 58 21.0	-2.2
			LE	Ms=5.0	16.0 2.01
NJ2	29.7	316	eP	09 52 46.5	-0.5
WHN	32.2	309	P	09 53 08.5	-0.2
			PP	09 54 14.0	-1.7
			eS	09 58 14.0	-2.5
			LN	Ms=4.9	28.0 2.19
QZN	32.6	286	eP	09 53 13.2	1.0
TIA	33.4	320	+P	09 53 19.2	-0.1
			S	09 58 37.0	2.3
			LN	Ms=5.0	14.0 1.18
			LE		14.0 0.72
SNY	34.1	334	+iP	09 53 24.0	-1.0
			pP	09 53 38.5	1.1
			S	09 58 44.0	-1.0
			LN	Ms=5.0	35.0 2.66
			LE		36.0 2.08
MDJ	34.3	343	eP	09 53 27.0	-0.2
			pP	09 53 38.0	-1.6
			PP	09 54 40.0	-2.4
			iS	09 58 48.0	-1.9

			PcP	09 56 02.0	0.1
			LN	Ms=4.7	20.0 0.87
CN2	35.0	338	+P	09 53 31.6	-1.1
			sP	09 53 47.0	-3.5
			PcP	09 56 03.5	-0.3
			eS	09 58 57.0	-2.8
BJI	36.5	324	eP	09 53 45.0	-0.4
			eS	09 59 20.0	-2.8
			esS	09 59 41.0	-3.2
			eScS	10 03 56.0	2.1
			LN	Ms=4.9	18.0 1.03
GYA	36.9	298	P	09 53 53.0	3.4
			pP	09 54 05.0	3.1
			PcP	09 56 10.6	1.0
			S	09 59 31.0	1.6
			ScP	09 59 53.4	2.7
TIY	37.3	318	+P	09 53 52.5	-0.1
			PMZ		0.9 0.090
			pP	09 54 04.5	-0.4
			S	09 59 35.5	0.7
			SS	10 02 12.5	4.2
			LE	Ms=4.8	15.0 0.67
XAN	37.9	311	+iP	09 53 56.9	-0.4
			S	09 59 42.0	-1.4
			LE	Ms=5.0	18.0 1.33
HHC	39.7	322	e(P)	09 54 13.0	0.5
			S	10 00 12.0	1.1
			LN	Ms=5.2	22.0 2.73
KMI	40.1	295	eP	09 54 17.0	1.2
			S	10 00 19.0	2.3
			SMN	m _B =5.4	6.0 0.44
			LN	Ms=4.7	14.0 0.50
BTO	40.5	320	+P	09 54 19.5	0.3
			pP	09 54 32.0	0.5
			ePP	09 55 57.0	0.9
			eS	10 00 26.0	1.9
CD2	40.7	304	+iP	09 54 21.0	0.3
			eS	10 00 30.5	3.5
LZH	42.5	311	+P	09 54 36.5	0.7
			PMZ		1.5 0.12
GTA	46.8	313	+iP	09 55 10.0	0.1
			PcP	09 56 42.3	0.4
			ePP	09 57 01.5	2.5
			ScP	10 00 32.3	2.7
			S	10 01 55.0	1.0
			SMN	m _B =5.3	8.0 0.36
			ScS	10 04 58.8	2.8
			LN	Ms=4.7	12.0 0.34
WMQ	56.8	315	+iP	09 56 25.0	-0.2
			S	10 04 16.0	4.6

TIY	90.6	311	cP	03 37 07.2	0.7		
XAN	91.5	306	+P	03 37 11.9	1.4		
1986 10 19							
O	15 15 46.5			± 0.23s			
LAT	41.72 N			± 2.45km			
LONG	72.70 E			± 0.18km			
DEPTH	17 km			± 2.72km			
STATIONS USED = 8, STAND DEV = 3.39s							
$M_L = 4.4 / 3,$							
KSH	3.4	131	cPg	15 16 48.0	1.8		
			Sg	15 17 37.0	4.9		
			SME			3.0	4.30
WMQ	11.2	74	cP	15 18 41.0	11.7		
			LG ₁	15 21 42.0	3.1		
			LN			2.0	0.10
GTA	20.7	87	P	15 20 27.8	-1.1		
1986 10 19							
O	18 30 56.5			± 0.10s			
LAT	63.90 N			± 3.07km			
LONG	178.79 W			± 1.17km			
DEPTH	10 km			± 0.17km			
STATIONS USED = 63, STAND DEV = 0.93s							
$M_s = 5.7 / 24,$							
$m_b = 5.4 / 2$							
MDJ	34.5	261	eP	18 37 47.0	-0.5		
			eS	18 43 08.0	-7.5		
			LN			$M_s = 5.5$	15.0 3.89
CN2	37.0	264	cP	18 38 08.2	-0.2		
			eS	18 43 47.5	-6.0		
SNY	39.4	264	-iP	18 38 28.6	0.1		
			PP	18 40 10.0	7.4		
			S	18 44 28.0	-1.1		
			SS	18 47 21.0	6.0		
			LN			$M_s = 5.5$	18.0 3.33
			LE				14.0 2.34
BJI	44.1	269	eP	18 39 07.5	0.3		
			esP	18 39 16.0	0.5		
			eS	18 45 36.0	-3.7		
			eSS	18 48 48.0	-0.3		
			LN			$M_s = 5.5$	11.0 1.79
			LE				10.0 0.60
HHC	45.5	274	eP	18 39 19.0	0.6		
			S	18 45 57.0	-1.6		
			LN			$M_s = 5.7$	13.0 3.29
			LE				14.0 2.14
BTO	46.4	275	eP	18 39 25.0	-0.5		
			cPP	18 41 13.0	-0.6		
			eS	18 46 09.0	-3.6		
			LN			$M_s = 5.8$	11.0 3.40

			LE			11.0	1.80
TIY	47.7	271	e(P)	18 39 35.8	0.1		
			S	18 46 30.0	0.2		
			LN			$M_s = 5.7$	13.0 2.06
			LE				15.0 3.33
SSE	49.4	258	cP	18 39 46.8	-2.3		
			sP	18 39 54.5	-2.8		
			S	18 46 51.0	-3.2		
			LE			$M_s = 5.2$	12.0 0.93
NJ2	49.6	261	+P	18 39 50.0	-0.6		
			eS	18 46 56.0	-2.0		
			LN			$M_s = 5.7$	13.0 3.20
GTA	51.8	283	-P	18 40 06.8	-0.6		
			S	18 47 28.0	0.8		
			LN			$M_s = 5.8$	12.5 3.23
XAN	52.3	271	cP	18 40 12.0	0.9		
			S	18 47 35.0	0.9		
			LN			$M_s = 5.8$	11.0 3.00
			LE				10.0 0.85
LZH	52.8	277	P	18 40 14.0	-1.1		
			pP	18 40 23.0	2.6		
			eS	18 47 38.0	-4.6		
			LN			$M_s = 5.9$	11.0 3.82
WHN	52.9	264	cP	18 40 14.5	-0.8		
			eS	18 47 40.0	-3.0		
			LN			$M_s = 5.4$	20.0 2.40
WMQ	53.2	296	-iP	18 40 18.1	0.3		
			S	18 47 50.0	3.9		
			LN			$M_s = 5.6$	10.0 1.65
CD2	57.2	274	cP	18 40 46.9	-0.3		
			eS	18 48 41.0	-0.7		
			LE			$M_s = 5.7$	10.0 1.89
GYA	59.8	269	eP	18 41 05.8	0.8		
			S	18 49 13.0	-0.6		
			LN			$M_s = 5.7$	15.0 1.40
			LE				15.0 2.20
KMI	62.7	272	+P	18 41 37.0	13.3		
			LN			$M_s = 5.6$	16.0 2.30

1986 10 19

O = 21 11 22.5 ± 0.08s

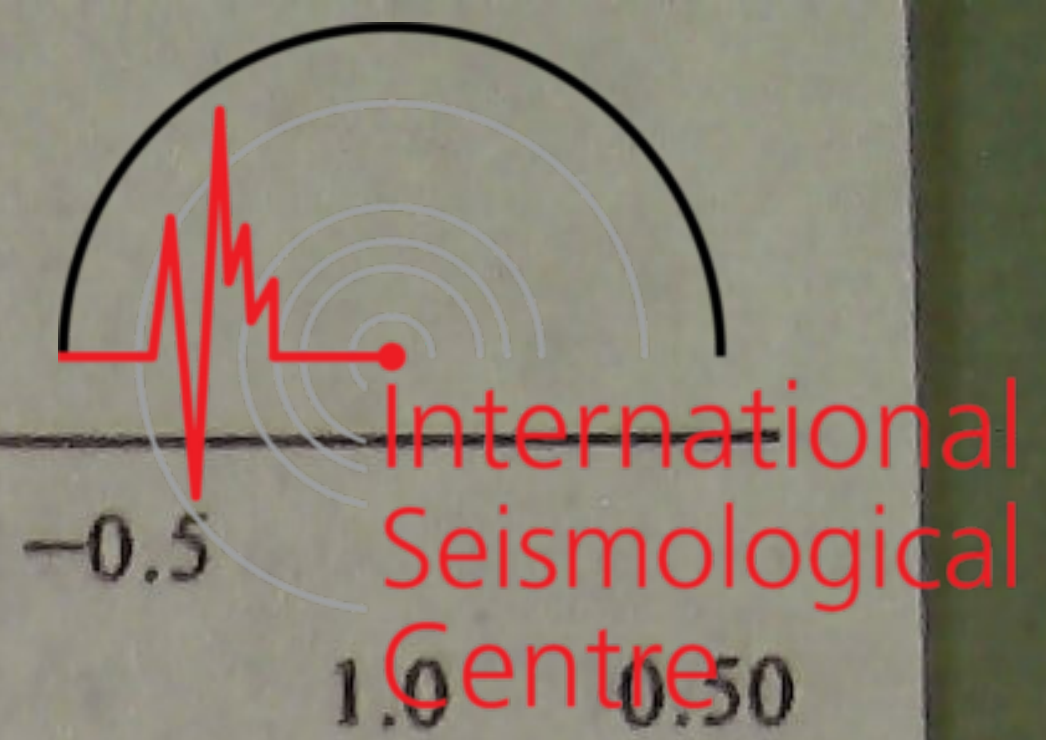
LAT = 30.22 N ± 1.69km

LONG = 138.56 E ± 1.75km

DEPTH = 438 km ± 1.04km

STATIONS USED = 59, STAND DEV = 1.38s

MDJ	16.0	336	eP	21 14 47.0	0.9		
SNY	16.7	318	-iP	21 14 54.4	1.1		
NJ2	17.0	281	+P	21 14 56.0	0.4		
CN2	17.1	326	cP	21 14 58.0	1.1		
TIA	18.9	294	-P	21 15 15.0	0.3		



BJI	20.7	304	P	21 15 33.0	0.8		
WHN	20.9	277	eP	21 15 34.5	0.7		
TIY	22.9	296	-iP	21 15 52.8	0.4		
HHC	24.3	303	eP	21 16 05.2	-0.2		
BTO	25.4	302	eP	21 16 15.0	0.1		
GYA	28.3	270	-P	21 16 40.2	-0.5		
			sP	21 18 52.0	4.2		
			S	21 20 53.4	-1.3		
			ScP	21 22 38.0	-0.8		
QZN	28.3	253	eP	21 16 40.6	-0.2		
LZH	29.5	291	P	21 16 51.0	-0.8		
			PMZ			1.0	0.040
CD2	29.9	280	-iP	21 16 54.4	-0.4		
KMI	32.0	270	-P	21 17 13.5	0.1		
GTA	32.9	297	-iP	21 17 20.2	-0.3		
			ScP	21 22 53.8	-0.2		
WMQ	42.2	303	-iP	21 18 37.3	0.2		
			PMZ			1.5	0.050
			PcP	21 20 20.0	-1.8		
			ScP	21 23 29.0	0.1		
			S	21 24 24.0	-0.4		

1986 10 19

O = 22 36 59.9 ± 0.17s
 LAT = 9.22 N ± 2.48km
 LONG = 126.61 E ± 1.92km
 DEPTH = 73 km ± 2.41km
 STATIONS USED = 22, STAND DEV = 2.35s

SSE	22.3	348	e(P)	22 41 55.0	2.1		
NJ2	23.8	344	eP	22 42 06.0	-1.3		
TIY	31.1	338	eP	22 43 12.6	-1.5		
BJI	32.1	345	eP	22 43 21.5	-0.8		
SNY	32.6	356	+P	22 43 35.6	8.8		
WMQ	48.2	322	eP	22 45 35.0	-1.0		

1986 10 20

O = 02 33 10.9 ± 0.15s
 LAT = 37.70 N ± 1.48km
 LONG = 101.61 E ± 1.33km
 DEPTH = 10 km ± 0.22km
 STATIONS USED = 15, STAND DEV = 3.14s

M _L = 3.8 / 10,							
GTA	2.2	321	+iPn	02 33 47.8	-0.5		
			Pg	02 33 48.4	-1.6		
			iSg	02 34 17.0	-3.3		
			SMN			M _L = 3.8	0.6 0.58
			SME				1.0 0.82
LZH	2.4	131	ePn	02 33 51.0	0.0		
			Pg	02 33 55.0	1.5		
			Sn	02 34 23.5	1.2		

			Sg	02 34 26.0	-0.5		
			SMN			M _L = 3.7	1.9 0.50
			SME				1.0 0.51
XAN	7.0	119	eP	02 34 53.6	-2.3		
TIY	8.6	87	(Pg)	02 35 42.1	-0.6		
			Sg	02 37 35.2	-4.6		
			SMN			M _L = 4.2	0.8 0.060
			SME				0.5 0.040
GYA	12.0	158	eP	02 36 04.0	-1.4		

1986 10 20

O = 04 28 16.1 ± 0.11s
 LAT = 2.15 N ± 1.40km
 LONG = 128.46 E ± 2.85km
 DEPTH = 130 km ± 0.17km
 STATIONS USED = 40, STAND DEV = 1.52s

QZN	24.8	314	eP	04 33 28.7	1.2		
GZH	25.5	326	eP	04 33 35.0	1.1		
WHN	31.2	336	eP	04 34 27.5	1.6		
GYA	32.0	321	P	04 34 33.0	0.6		
KMI	33.7	315	+P	04 34 47.5	0.0		
XAN	36.6	332	+P	04 35 10.6	-1.2		
CD2	36.9	323	eP	04 35 14.2	-0.4		
TIY	38.3	339	eP	04 35 27.5	1.2		
BJI	39.3	345	eP	04 35 33.5	-1.0		
			epP	04 35 59.0	-4.2		
MDJ	42.3	1	eP	04 36 03.0	4.1		
WMQ	55.0	325	P	04 37 37.0	0.1		
			pP	04 38 03.4	-3.4		
			PcP	04 38 45.5	9.5		

1986 10 20

O = 05 35 40.7 ± 0.13s
 LAT = 4.78 S ± 1.56km
 LONG = 153.49 E ± 1.63km
 DEPTH = 82 km ± 1.26km
 STATIONS USED = 62, STAND DEV = 1.54s

SSE	47.1	321	eP	05 44 08.0	0.9		
			sP	05 44 35.0	-1.5		
GZH	48.0	307	+P	05 44 15.2	1.5		
QZN	49.1	300	eP	05 44 22.4	0.5		
WHN	51.3	316	eP	05 44 39.0	-0.2		
			pP	05 45 00.0	1.0		
TIA	53.1	323	eP	05 44 51.7	-0.9		
MDJ	53.6	339	eP	05 44 55.0	-1.6		
CN2	54.6	335	eP	05 45 01.0	-2.3		
GYA	54.9	307	-P	05 45 06.6	0.5		
BJI	56.3	326	eP	05 45 13.0	-2.5		
			epP	05 45 36.0	0.4		
TIY	56.9	322	+P	05 45 20.0	-0.5		

XAN	57.1	316	P	05 45 20.8	-0.7
KMI	57.5	304	eP	05 45 25.5	0.6
CD2	59.2	310	-iP	05 45 36.2	-0.3
			pP	05 45 56.0	-0.7
			S	05 53 33.0	-2.5
BTO	60.2	323	eP	05 45 43.0	-0.1
GTA	66.1	317	-iP	05 46 22.3	0.1
WMQ	76.2	317	P	05 47 23.0	0.4
KSH	83.4	310	-P	05 48 04.0	2.6
			pP	05 48 25.0	2.5
			eS	05 58 20.0	4.7

1986 10 20

O=06 27 13.8 ± 0.08s
 LAT= 2.86 N ± 1.09km
 LONG=126.96 E ± 2.01km
 DEPTH= 33 km ± 0.02km
 STATIONS USED = 48, STAND DEV= 1.86s

GZH	24.0	328	eP	06 32 27.0	-0.1
KMI	32.2	316	eP	06 33 41.5	0.2
TIA	34.4	346	eP	06 34 00.0	-0.5
XAN	35.3	334	-P	06 34 07.0	-1.1
CD2	35.5	324	eP	06 34 08.9	-0.8
TIY	37.2	341	+P	06 34 24.4	0.5
BJI	38.3	347	eP	06 34 34.0	0.8
SNY	38.9	356	-iP	06 34 39.3	0.8
LZH	39.4	330	eP	06 34 40.0	-2.4
CN2	40.8	358	eP	06 34 53.4	-0.7
GTA	44.0	329	P	06 35 19.3	-0.9
WMQ	53.6	325	P	06 36 33.0	-1.4

1986 10 20

O=06 30 24.9 ± 0.10s
 LAT= 2.79 N ± 1.81km
 LONG=127.04 E ± 2.31km
 DEPTH= 42 km ± 0.35km
 STATIONS USED = 63, STAND DEV= 1.99s

QZN	23.3	315	P	06 35 30.0	-0.3
			S	06 39 40.0	4.6
			SMN		2.0 1.40
			LN	Ms=4.7	14.0 1.30
QZH	23.5	340	eP	06 35 32.6	0.7
			S	06 39 43.0	4.7
			LN	Ms=5.3	22.0 7.84
GZH	24.1	328	P	06 35 37.5	-0.9
SSE	28.7	349	P	06 36 20.0	-0.5
			PMZ	m _B =5.6	8.0 1.07
			S	06 41 10.0	5.7
			SME	m _B =5.4	12.0 1.27

WHN	30.1	338	eP	06 36 30.0	-3.1
			eS	06 41 21.0	-6.5
			sS	06 41 52.0	6.3
			LN	Ms=5.2	20.0 3.60
GYA	30.6	322	P	06 36 24.0	-13.0
KMI	32.3	316	eP	06 36 53.0	0.6
			S	06 42 03.0	2.4
			LN	Ms=5.1	15.0 1.90
TIA	34.5	346	eP	06 37 10.3	-1.1
			eS	06 42 34.5	-1.7
			SMN	m _B =5.6	10.0 0.98
			SME		10.0 0.96
			LN	Ms=5.1	13.0 1.39
			LN	Ms=5.1	13.0 1.39
XAN	35.4	334	P	06 37 17.2	-1.9
			eS	06 42 48.0	-2.1
CD2	35.6	324	P	06 37 21.3	0.5
DL2	36.3	353	-P	06 37 27.7	1.1
TIY	37.2	341	+P	06 37 34.5	-0.4
			S	06 43 19.0	1.3
			LN	Ms=5.2	20.0 1.98
			LE		18.0 1.42
BJI	38.4	347	eP	06 37 44.5	0.4
			sP	06 38 04.0	4.4
			eS	06 43 34.0	-1.5
			SMN	m _B =5.3	9.0 0.32
			SME		9.0 0.46
			LN	Ms=4.9	24.0 1.49
SNY	39.0	356	+P	06 37 49.6	0.3
			S	06 43 48.0	3.9
			LN	Ms=5.0	25.0 1.72
HHC	40.4	342	-iP	06 38 02.6	1.6
BTO	40.7	340	eP	06 38 04.0	0.7
			eS	06 44 11.0	0.7
			LN		3.0 3.22
			LE		3.0 2.92
CN2	40.9	358	eP	06 38 05.0	0.2
MDJ	41.7	3	eP	06 38 11.0	-0.8
			pP	06 38 26.0	3.3
			PP	06 39 55.0	3.3
			eS	06 44 24.0	-1.7
			LN	Ms=5.1	25.0 1.88
GTA	44.1	329	P	06 38 30.0	-1.1
			LN	Ms=5.3	23.0 3.03
WMQ	53.7	325	P	06 39 44.4	-0.9
KSH	58.9	315	eP	06 40 25.0	2.2

1986 10 20

O=06 46 09.6 ± 0.08s

LAT = 28.00 S ± 3.23km				WHN 88.1 306 +iP 06 59 00.0 0.2												
LONG = 176.33 W ± 2.83km				PMZ m _B = 7.7 6.0 34.6												
DEPTH = 27 km ± 1.34km				PP 07 02 32.0 3.9												
STATIONS USED = 84, STAND DEV = 1.15s				SKS 07 09 26.0 2.9												
Ms = 7.9 / 37, m _B = 7.5 / 37				S 07 09 39.0 -0.1												
QZH	81.8	304	+P	06 58 29.8	1.3			SME	m _B = 7.5	12.0	57.2					
			PMZ		m _B = 7.6	10.0	69.1	DL2	88.2	316	+P	06 59 00.0	-0.3			
			pP	06 58 40.0	3.1						SKS	07 09 21.0	-2.7			
			sP	06 58 46.0	5.6						S	07 09 36.0	-4.1			
			iS	07 08 36.0	-3.2						sS	07 09 55.0	-0.9			
			SKS	07 08 39.0	-2.1						LN	Ms = 8.0	24.0	207		
			sS	07 09 02.0	8.8						LE		24.0	384		
			LN		Ms = 7.7	20.0	206	SNY	88.9	320	+iP	06 59 03.0	-0.7			
SSE	83.7	310	+iP	06 58 38.0	0.0						PMZ	m _B = 7.6	6.0	29.5		
			PMZ		m _B = 7.3	10.0	31.2				SKS	07 09 31.0	3.0			
			pP	06 58 48.0	1.6						iS	07 09 45.0	-3.3			
			PP	07 01 50.0	-1.6						LN	Ms = 7.9	27.0	288		
			iS	07 08 50.0	-7.8						LE		25.0	251		
			SMN			14.0	29.1	CN2	89.1	322	+iP	06 59 04.0	-0.8			
			SME			13.0	20.4				PMZ	m _B = 7.5	9.0	32.8		
			sS	07 09 08.0	-3.9						pP	06 59 13.2	-0.1			
			SS	07 14 20.0	-6.0						iSKS	07 09 26.0	-3.5			
			LN		Ms = 7.8	20.0	124				S	07 09 44.0	-4.8			
			LE			20.0	222				SMN		14.0	19.4		
GZH	84.7	299	+iP	06 58 44.0	0.7						SME		14.0	24.2		
			PMZ			21.0	106				SS	07 15 36.0	-9.8			
			pP	06 58 54.0	2.2						LE	Ms = 7.9	19.0	301		
			iS	07 09 05.0	-3.4						TIA	89.4	312	+P	06 59 06.4	0.2
			LN		Ms = 8.0	20.0	122				PMZ	m _B = 7.6	8.0	34.2		
			LE			20.0	418				SKS	07 09 35.5	4.2			
QZN	85.3	294	+iP	06 58 46.5	0.2						S	07 09 56.5	5.0			
			PMZ		m _B = 7.3	10.0	31.7				SMN		13.0	106		
			sP-	06 59 00.0	1.8						LE	Ms = 7.5	22.0	142		
			PP	07 01 59.0	-5.9						GYA	91.6	299	+P	06 59 17.0	0.3
			SKS	07 09 00.0	-4.9						PMZ	m _B = 7.4	8.0	18.5		
			S	07 09 10.0	-2.6						pP	06 59 27.0	2.0			
			SMN			14.0	27.6				PP	07 03 04.0	7.7			
			SME			11.5	23.0				SKS	07 09 44.0	-0.3			
			sS	07 09 26.0	-2.3						S	07 10 10.0	-1.3			
			LN		Ms = 7.7	21.0	153				SMN	m _B = 7.5	11.0	47.8		
			LE			20.0	134				LN	Ms = 7.8	21.0	160		
NJ2	85.8	310	+P	06 58 50.0	1.2						LE		21.0	173		
			iS	07 09 10.0	-9.1						BJI	92.3	315	cP	06 59 19.0	-0.3
			SME			16.0	70.1				PMZ	m _B = 7.3	9.0	16.3		
			LE		Ms = 8.2	23.0	750				pP	06 59 27.0	2.0			
MDJ	87.5	325	+iP	06 58 56.5	-0.5						PP	07 03 04.0	7.7			
			SKS	07 09 18.0	-1.3						SKS	07 09 44.0	-0.3			
			S	07 09 32.0	-1.5						S	07 10 10.0	-1.3			
			SMN		m _B = 7.0	10.0	15.4				SMN	m _B = 8.2	8.0	102		
			LZ		Ms = 8.2	20.0	651				SME		11.0	204		
											LN	Ms = 8.0	19.0	285		
											LE		22.0	179		

October, 1986

O=08 11 30.1 ± 0.11s
 LAT=27.69 S ± 1.45km
 LONG=176.50 W ± 2.35km
 DEPTH= 34 km ± 0.31km

STATIONS USED = 38, STAND DEV = 0.96s

GZH	84.4	300	eP	08 24 01.5	0.2
NJ2	85.5	310	+iP	08 24 07.4	0.8
MDJ	87.2	325	eP	08 24 14.5	-0.2
WHN	87.8	306	eP	08 24 18.0	0.3
SNY	88.6	320	+iP	08 24 21.6	0.1
CN2	88.8	322	P	08 24 22.0	-0.6
TIA	89.1	312	eP	08 24 24.6	0.5
GYA	91.4	299	P	08 24 35.0	0.2
BJI	91.9	315	eP	08 24 36.5	-0.7
XAN	93.5	307	+P	08 24 45.3	0.6
CD2	95.8	302	eP	08 24 57.0	2.2

1986 10 20

O=08 23 18.6 ± 0.06s
 LAT=28.05 S ± 2.03km
 LONG=176.28 W ± 1.76km
 DEPTH= 38 km ± 0.80km

STATIONS USED = 38, STAND DEV = 1.17s

NJ2	85.9	310	+P	08 35 57.0	0.5
MDJ	87.6	325	eP	08 36 03.0	-1.8
WHN	88.2	306	eP	08 36 07.5	-0.1
SNY	89.0	320	eP	08 36 10.6	-0.8
CN2	89.2	322	P	08 36 11.6	-1.0
TIA	89.5	312	eP	08 36 14.2	0.2
GYA	91.7	299	P	08 36 25.0	0.6
BJI	92.3	315	eP	08 36 26.5	-0.6
TIY	93.4	311	eP	08 36 33.0	0.7
XAN	93.9	307	eP	08 36 34.0	-0.4
KMI	94.1	296	eP	08 36 35.5	0.0

1986 10 20

O=08 50 39.5 ± 0.25s
 LAT=28.64 S ± 6.22km
 LONG=176.27 W ± 3.17km
 DEPTH= 44 km ± 2.54km

STATIONS USED = 11, STAND DEV = 3.31s

CN2	89.7	322	eP	09 03 32.0	-3.0
BJI	92.7	315	eP	09 03 47.5	-1.8

1986 10 20

O=09 02 33.4 ± 0.07s
 LAT=27.31 S ± 2.19km
 LONG=176.40 W ± 2.83km
 DEPTH= 33 km ± 0.60km

STATIONS USED = 45, STAND DEV = 1.40s

SSE	83.2	310	eP	09 15 01.2	2.9
			esP	09 15 14.0	2.1
GZH	84.3	299	eP	09 15 05.0	0.8
NJ2	85.3	310	-P	09 15 10.0	0.8
WHN	87.6	306	eP	09 15 21.0	0.6
SNY	88.3	320	eP	09 15 23.8	0.0
CN2	88.6	322	eP	09 15 24.0	-0.8
TIA	88.9	312	eP	09 15 26.7	0.1
GYA	91.3	299	P	09 15 38.6	0.9
BJI	91.7	315	eP	09 15 38.5	-1.2
TIY	92.9	311	eP	09 15 44.0	-1.1
XAN	93.4	307	P	09 15 47.0	-0.4
KMI	93.7	296	+P	09 15 49.5	0.5
CD2	95.6	302	eP	09 15 58.8	1.1
GTA	102.4	308	P	09 16 23.1	-5.0

1986 10 20

O=10 29 50.6 ± 0.06s
 LAT=28.12 S ± 2.36km
 LONG=176.25 W ± 2.54km
 DEPTH= 38 km ± 0.74km

STATIONS USED = 32, STAND DEV = 1.39s

NJ2	86.0	310	-P	10 42 29.7	0.9
MDJ	87.6	325	eP	10 42 37.7	0.6
WHN	88.2	306	eP	10 42 40.0	0.2
SNY	89.0	320	eP	10 42 43.6	-0.1
CN2	89.3	322	-P	10 42 44.8	-0.1
TIA	89.6	312	eP	10 42 46.9	0.6
GYA	91.8	299	P	10 42 57.4	0.7
BJI	92.4	315	eP	10 42 59.5	0.1
TIY	93.5	311	eP	10 43 05.0	0.4
XAN	94.0	307	P	10 43 07.0	0.4
KMI	94.2	296	+P	10 43 08.5	0.7

1986 10 20

O=11 07 03.2 ± 0.18s
 LAT=27.66 S ± 2.19km
 LONG=176.22 W ± 3.11km
 DEPTH= 33 km ± 0.53km

STATIONS USED = 33, STAND DEV = 1.89s

SSE	83.5	310	eP	11 19 28.0	-1.9
GZH	84.6	299	+P	11 19 36.0	0.4
NJ2	85.7	310	+P	11 19 42.0	1.2
MDJ	87.3	325	eP	11 19 49.5	0.9
WHN	88.0	306	eP	11 19 53.0	1.1
CN2	88.9	322	eP	11 19 56.0	-0.5
TIA	89.3	312	eP	11 19 57.4	-0.8
GYA	91.6	299	P	11 20 10.8	1.8
BJI	92.1	315	(P)	11 20 12.0	0.7
XAN	93.7	307	+P	11 20 20.1	1.3

KMI	94.0	296	+P	11 20 22.5	2.3
CD2	96.0	302	cP	11 20 30.3	1.3

1986 10 20

O = 11 08 12.5 ± 0.13s

LAT = 27.53 S ± 1.60km

LONG = 176.19 W ± 2.88km

DEPTH = 34 km ± 0.40km

STATIONS USED = 31, STAND DEV = 1.50s

MDJ	87.2	325	cP	11 20 58.5	1.2
SNY	88.6	320	cP	11 21 04.6	0.5
CN2	88.8	322	cP	11 21 05.0	-0.2
TIA	89.2	312	cP	11 21 08.1	1.2
GYA	91.5	299	P	11 21 19.0	1.1
BJI	92.0	315	cP	11 21 20.0	0.0
TIY	93.2	311	cP	11 21 26.5	1.1
KMI	94.0	296	cP	11 21 30.5	1.4

1986 10 20

O = 11 12 35.0 ± 0.08s

LAT = 28.03 S ± 1.41km

LONG = 176.18 W ± 1.77km

DEPTH = 34 km ± 0.34km

STATIONS USED = 44, STAND DEV = 1.07s

SSE	83.8	310	cP	11 25 02.4	-0.5
GZH	84.8	299	P	11 25 09.0	0.7
NJ2	85.9	310	+P	11 25 14.0	0.3
MDJ	87.6	325	cP	11 25 23.5	1.7
WHN	88.2	306	cP	11 25 24.5	-0.2
DL2	88.3	316	P	11 25 25.0	-0.2
SNY	89.0	320	cP	11 25 28.2	-0.3
CN2	89.2	322	-P	11 25 29.3	-0.4
TIA	89.5	312	cP	11 25 31.0	-0.1
GYA	91.8	299	P	11 25 43.0	1.4
BJI	92.4	315	cP	11 25 44.0	-0.2
TIY	93.5	311	P	11 25 50.0	0.6
KMI	94.2	296	+P	11 25 54.5	1.7
CD2	96.2	302	cP	11 26 03.0	1.3
GTA	102.9	308	cP	11 26 31.2	-1.1

1986 10 20

O = 11 36 55.9 ± 0.05s

LAT = 27.42 S ± 1.49km

LONG = 176.28 W ± 1.88km

DEPTH = 33 km ± 0.38km

STATIONS USED = 34, STAND DEV = 1.09s

GZH	84.5	299	P	11 49 28.0	0.5
NJ2	85.5	310	+P	11 49 33.0	0.5
MDJ	87.0	325	cP	11 49 40.6	0.4
WHN	87.8	306	cP	11 49 44.2	0.5

CN2	88.7	322	P	11 49 47.8	-0.4
TIA	89.1	312	cP	11 49 50.6	0.7
GYA	91.4	299	P	11 50 01.6	0.6
BJI	91.9	315	cP	11 50 02.5	-0.5
TIY	93.0	311	cP	11 50 08.7	0.3
XAN	93.5	307	cP	11 50 11.1	0.4
KMI	93.8	296	+P	11 50 14.0	1.7

1986 10 20

O = 12 01 41.4 ± 0.05s

LAT = 27.73 S ± 1.47km

LONG = 176.15 W ± 1.78km

DEPTH = 33 km ± 0.48km

STATIONS USED = 69, STAND DEV = 0.88s

M_s = 5.7 / 10, m_B = 6.1 / 14

QZH	81.8	304	cP	12 14 00.0	0.7
			sP	12 14 15.0	2.2
			LN	M _s = 5.5	20.0 1.25
SSE	83.6	310	cP	12 14 08.0	-0.6
			PMZ		1.2 0.070
			SKS	12 24 23.0	-0.8
			sS	12 24 38.0	-5.6
GZH	84.7	299	+P	12 14 14.5	0.3
QZN	85.3	294	cP	12 14 16.0	-1.4
			S	12 24 44.5	1.3
			SMN		13.0 1.40
			SME		12.0 1.20
NJ2	85.8	309	+P	12 14 20.0	0.6
			S	12 24 45.0	-2.3
MDJ	87.4	325	cP	12 14 27.0	-0.2
			sP	12 14 39.0	-1.8
			PP	12 17 51.0	-2.4
			PMZ	m _B = 6.3	4.0 1.15
			SKS	12 24 52.0	3.2
			S	12 25 08.0	5.4
			PS	12 26 08.0	
WHN	88.1	306	+P	12 14 31.0	0.5
			PMZ	m _B = 6.4	4.0 1.29
			cSKS	12 24 56.0	2.9
			cS	12 25 10.0	-0.8
			SMN	m _B = 6.0	8.0 1.24
DL2	88.1	316	cP	12 14 31.0	0.2
SNY	88.8	320	+iP	12 14 33.5	-0.6
			PMZ	m _B = 6.2	4.0 0.81
			pP	12 14 44.8	1.1
			iS	12 25 25.0	7.4
			SMN	m _B = 6.0	11.5 1.69
			LN	M _s = 5.8	20.0 2.55
CN2	89.0	322	P	12 14 34.0	-1.2
TIA	89.4	312	cP	12 14 37.0	0.2

			SMN	$m_B = 6.3$	12.0	3.10			pP	12 45 21.0	-2.5		
			SME		12.0	1.35			sP	12 45 27.0	-0.6		
GYA	91.7	299	+P	12 14 48.0	0.4				sS	12 55 45.0	-5.3		
BJI	92.2	315	cP	12 14 49.5	-0.4				LN	$M_s = 5.7$	17.0	1.17	
			cSKS	12 25 18.0	0.4				LE		17.0	1.43	
			(S)	12 25 45.0	-3.0			GZH	84.9	299	cP	12 45 23.5	4.9
			esS	12 25 57.0	-7.1			QZN	85.5	294	cP	12 45 23.5	2.0
			SMN	$m_B = 6.3$	11.0	2.80			S	12 55 51.5	3.7		
			SME		11.0	0.96			SMN	$m_B = 5.7$	11.0	0.40	
TIY	93.3	311	cP	12 14 55.3	0.1				SME		10.0	0.70	
			SKS	12 25 28.0	3.9			NJ2	86.0	310	-P	12 45 23.4	-0.6
			SMN	$m_B = 6.3$	10.0	2.47		MDJ	87.7	325	cP	12 45 30.5	-1.7
			PS	12 27 36.0					cS	12 56 02.0	-8.4		
			LE	$M_s = 5.6$	20.0	1.51			SME	$m_B = 5.9$	6.0	0.71	
XAN	93.8	307	P	12 14 58.0	0.6			WHN	88.3	306	cP	12 45 34.0	-1.0
			SKS	12 25 30.0	3.2				cS	12 56 16.0	0.0		
			S	12 26 10.0	9.5			DL2	88.4	316	cP	12 45 35.6	0.0
			SMN	$m_B = 6.4$	10.0	3.02		SNY	89.1	320	cP	12 45 38.0	-0.9
			SME		10.0	1.48		CN2	89.3	322	P	12 45 37.6	-2.4
			LN	$M_s = 5.9$	13.0	1.45		TIA	89.6	312	cP	12 45 40.4	-1.0
			LE		12.0	1.01			SMN		13.0	1.90	
KMI	94.1	296	+P	12 15 00.0	1.2				SME		13.0	1.24	
			cSKS	12 25 30.0	1.7				LN	$M_s = 5.6$	15.0	1.05	
			S	12 25 59.0	-3.8			GYA	91.9	299	-P	12 45 54.0	2.1
			SME	$m_B = 5.8$	10.0	0.76		BJI	92.5	315	cP	12 45 53.0	-1.5
CD2	96.1	302	cP	12 15 08.5	0.9				cSKS	12 56 22.0	-0.2		
			SKS	12 25 43.0	4.0				cS	12 56 48.0	-5.5		
			S	12 26 21.0	1.4				SME	$m_B = 5.8$	12.0	0.99	
BTO	96.4	313	cP	12 15 09.0	-0.4			TIY	93.6	311	cP	12 46 00.0	0.3
			SKS	12 25 42.0	1.1				SKS	12 56 37.0	8.5		
			cS	12 26 19.0	-5.8				SME	$m_B = 5.8$	9.0	0.74	
			LN	$M_s = 5.9$	13.0	1.30			PS	12 58 42.0			
			LE		13.0	1.00			LE	$M_s = 5.5$	15.0	0.86	
GTA	102.8	308	P	12 15 37.6	-0.5			XAN	94.1	306	cP	12 46 01.8	0.0
			SKS	12 26 19.0	6.4			KMI	94.3	296	+P	12 46 04.0	1.0
			cS	12 27 25.5	7.3				cS	12 57 10.0	0.5		
			SMN	$m_B = 6.0$	8.0	0.39		CD2	96.3	302	cP	12 46 11.7	-0.2
			LN	$M_s = 5.5$	24.0	1.18			cS	12 57 22.0	-4.2		
								LZH	98.7	306	cP	12 46 18.0	-5.0
								GTA	103.0	308	cP	12 46 40.0	-2.6
									LE	$M_s = 5.6$	24.0	1.31	
1986 10 20													
O = 12 32 45.1 ± 0.20s													
LAT = 28.14 S ± 5.50km													
LONG = 176.15 W ± 4.85km													
DEPTH = 36 km ± 0.95km													
STATIONS USED = 60, STAND DEV = 2.54s													
$M_s = 5.6 / 10,$ $m_B = 5.8 / 5$													
QZH	82.0	304	cP	12 45 10.0	6.1			1986 10 20					
			SME		16.0	2.37		O = 12 43 40.9		± 0.19s			
			LE	$M_s = 5.6$	20.0	1.74		LAT = 27.69 S		± 4.18km			
SSE	83.9	310	cP	12 45 13.0	-0.3			LONG = 176.03 W		± 4.32km			
								DEPTH = 33 km		± 0.57km			
								STATIONS USED = 24, STAND DEV = 2.73s					
								$M_s = 5.4 / 1,$					
								MDJ	87.4	324	cP	12 56 27.0	0.1

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S	15 07 06.0	3.8		
SMN			11.0	0.77
LN	Ms=5.9		17.5	1.52
LE			17.5	1.53

cSKS	16 24 48.0	3.2		
S	16 25 02.0	1.0		
SMN		m _B =5.9	9.0	1.07
DL2	88.2 316	cP	16 14 30.0	7.3
SNY	88.8 319	cP	16 14 26.1	0.2
CN2	89.1 322	P	16 14 26.4	-0.6
GYA	91.7 299	P	16 14 38.0	-1.6
BJI	92.2 315	cP	16 14 42.0	0.2
		SMN		m _B =6.0 9.0 1.34
TIY	93.4 311	P	16 14 46.6	-0.5
		pP	16 14 58.0	0.7
		SKS	16 25 24.0	8.4
		sS	16 26 01.0	-6.1
		PS	16 27 11.5	
CD2	96.1 302	cP	16 15 01.6	2.0
GTA	102.9 308	cP	16 15 32.5	2.4

1986 10 20

O=15 52 52.9 ± 0.19s
 LAT=27.13 S ± 3.04km
 LONG=176.32 W ± 4.74km
 DEPTH= 33 km ± 1.89km
 STATIONS USED = 42, STAND DEV= 2.10s
 Ms=5.5/ 5, m_B=5.9/ 3

QZN	85.0 294	cP	16 05 29.0	2.1
		eS	16 15 53.0	0.4
MDJ	86.8 325	cP	16 05 35.5	-0.4
		SKS	16 16 00.0	3.6
		S	16 16 13.0	4.4
DL2	87.6 316	cP	16 05 47.0	7.3
WHN	87.6 306	cP	16 05 38.5	-1.2
SNY	88.2 320	cP	16 05 45.0	2.2
CN2	88.5 322	P	16 05 43.0	-0.9
TIA	88.9 312	cP	16 05 45.9	0.1
GYA	91.2 299	P	16 05 57.0	-0.1
BJI	91.7 315	cP	16 05 58.0	-0.9
		cSKS	16 16 32.0	6.0
		SMN		m _B =6.1 11.0 1.79
TIY	92.8 311	cP	16 06 02.0	-2.3
		sP	16 06 17.0	-1.0
		SKS	16 16 28.0	-4.6
		sS	16 17 21.0	-0.3
		LN		Ms=5.4 14.0 0.56
XAN	93.3 307	cP	16 06 06.4	-0.3
KMI	93.7 296	+P	16 06 10.0	1.6
CD2	95.6 302	cP	16 06 18.2	1.2

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O=16 06 37.7 ± 0.10s
 LAT=23.56 N ± 0.61km
 LONG=103.51 E ± 0.62km
 DEPTH= 31 km ± 1.45km
 STATIONS USED = 7, STAND DEV= 3.27s
 Ms=4.0/ 2, M_L=4.0/ 3,

KMI	1.7 336	+Pg	16 07 09.5	1.1
		Sg	16 07 35.5	3.8
		SMN		M _L =3.4 1.5 0.30
		SME		1.5 0.60
GYA	4.1 44	Pn	16 07 36.8	-1.5
		Pg	16 07 54.0	4.5
		Sn	16 08 22.4	-3.9
		Sg	16 08 42.0	-3.2
		SMN		M _L =4.0 1.2 0.30
		SME		1.2 0.30
		LN		Ms=4.2 5.0 1.70
		LE		5.0 1.80
CD2	7.3 2	cPn	16 08 23.8	0.8
QZN	7.4 126	cPn	16 08 29.1	4.6
		LE		Ms=3.8 15.0 1.20

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O=16 01 33.4 ± 0.10s
 LAT=27.70 S ± 3.82km
 LONG=176.01 W ± 3.59km
 DEPTH= 36 km ± 1.15km
 STATIONS USED = 43, STAND DEV= 2.06s
 Ms=5.6/ 4, m_B=5.9/ 5

SSE	83.7 310	cP	16 13 55.0	-5.6
		sP	16 14 09.0	-6.0
QZN	85.4 294	cP	16 14 11.0	1.5
		cS	16 24 34.5	-2.6
MDJ	87.4 324	cP	16 14 18.5	-0.6
		cS	16 25 02.0	6.0
		SMN		m _B =5.8 10.0 0.94
WHN	88.1 306	cP	16 14 23.0	0.5

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O=17 13 37.2 ± 0.11s
 LAT=28.14 S ± 2.03km
 LONG=176.26 W ± 2.42km
 DEPTH= 38 km ± 0.68km
 STATIONS USED = 30, STAND DEV= 1.54s

MDJ	87.6 325	cP	17 26 23.0	-0.9
WHN	88.2 306	cP	17 26 30.5	3.9
DL2	88.3 316	cP	17 26 27.0	-0.2
SNY	89.0 320	+P	17 26 30.0	-0.5

CN2	89.3	322	cP	17 26 30.0	-1.7					SKS	18 39 26.0	5.2			
TIA	89.6	312	cP	17 26 33.0	0.0					cS	18 39 41.0	-0.3			
GYA	91.8	299	P	17 26 43.6	0.2					SMN	$m_B=6.2$	12.0	2.62		
BJI	92.4	315	cP	17 26 45.5	-0.7					LN	$M_s=5.6$	22.0	1.00		
XAN	94.0	307	P	17 26 53.6	0.2					LE		22.0	1.11		
KMI	94.2	296	cP	17 26 53.0	-1.5					CN2	89.2	322	cP	18 28 57.0	-1.1
										cSKS	18 29 24.0	1.8			
										cS	18 29 37.0	-6.5			
										SMN	$m_B=6.2$	11.0	2.40		
										LE	$M_s=5.7$	20.0	1.90		
										TIA	89.5	312	cP	18 29 00.0	0.4
										cS	18 39 40.0	-6.4			
										SMN	$m_B=6.5$	12.0	4.99		
										SME		12.0	1.63		
										LN	$M_s=5.7$	12.0	0.94		
										LE		11.0	0.44		
										GYA	91.7	299	P	18 29 12.0	1.9
										SKS	18 39 47.0	9.9			
										sS	18 40 21.0	-1.6			
										SMN	$m_B=6.1$	10.0	1.20		
										SME		10.0	1.20		
										BJI	92.3	315	cP	18 29 12.0	-0.7
										cS	18 40 20.0	8.6			
										SMN	$m_B=6.4$	11.0	3.87		
										SME		10.0	1.19		
										LN	$M_s=5.3$	15.0	0.52		
										TIY	93.5	311	cP	18 29 16.5	-1.4
										SKS	18 39 50.0	3.1			
										sS	18 40 33.5	-4.1			
										LN	$M_s=5.6$	15.0	0.99		
										XAN	93.9	307	cP	18 29 20.4	0.4
										sS	18 40 37.0	-4.7			
										SMN	$m_B=6.6$	11.0	4.56		
										SME		11.0	2.05		
										KMI	94.2	296	cP	18 29 21.0	-0.3
										SME	$m_B=5.8$	11.0	0.80		
										CD2	96.2	302	cP	18 29 33.1	2.9
										SKS	18 40 08.0	6.5			
										S	18 40 44.6	2.2			
										BTO	96.6	313	cP	18 29 31.2	-1.0
										cPP	18 33 20.0	-8.1			
										SKS	18 40 06.0	2.5			
										cS	18 40 41.0	-7.1			
										LN	$M_s=5.5$	16.0	0.60		
										LE		16.0	0.60		
										GTA	102.9	308	cP	18 30 03.0	2.2
										SKS	18 40 41.0	5.8			
										cS	18 41 43.0	1.7			
										PS	18 43 24.0				
										LE	$M_s=5.6$	17.0	0.90		

1986 10 20
 O=18 31 41.2 ± 0.06s
 LAT=27.10 S ± 1.78km
 LONG=175.90 W ± 1.95km
 DEPTH= 34 km ± 0.65km
 STATIONS USED = 28, STAND DEV = 1.20s
 Ms=5.5 / 2,

MDJ	87.0	324	cP	18 44 24.0	-1.0		
WHN	87.9	306	cP	18 44 29.0	-0.2		
CN2	88.7	322	cP	18 44 31.6	-1.4		
GYA	91.5	299	P	18 44 46.8	0.1		
BJI	91.9	315	cP	18 44 48.0	-0.2		
			LN	Ms=5.4	17.0	0.74	
XAN	93.6	306	cP	18 44 57.0	0.9		
KMI	94.0	296	-P	18 45 00.0	2.0		
			cSKS	18 55 27.0	-0.2		
			LN	Ms=5.7	20.0	1.64	

1986 10 20
 O=19 39 14.8 ± 0.08s
 LAT=27.85 S ± 3.00km
 LONG=176.56 W ± 2.35km
 DEPTH= 34 km ± 0.41km
 STATIONS USED = 59, STAND DEV = 1.35s
 Ms=5.5 / 12, m_B=5.9 / 9

QZH	81.6	304	+P	19 51 31.0	-0.4		
			cS	20 01 45.0	4.9		
			LE	Ms=5.3	20.0	0.87	
SSE	83.4	310	cP	19 51 40.0	-0.9		
			S	20 01 59.0	1.9		
			sS	20 02 10.0	-5.1		
			SS	20 07 20.0	-6.3		
			LN	Ms=5.5	18.0	1.23	
QZN	85.1	294	cP	19 51 50.0	0.7		
			cS	20 02 18.0	2.6		
MDJ	87.3	325	cP	19 51 59.0	-1.0		
			SKS	20 02 25.0	3.8		
			S	20 02 40.0	5.3		
			LN	Ms=5.5	20.0	1.10	
WHN	87.8	306	+iP	19 52 03.0	0.3		
			PMZ	m _B =6.3	4.0	0.97	
			cSKS	20 02 29.0	4.1		
			S	20 02 44.0	3.8		
			LN	Ms=5.7	20.0	2.02	
DL2	88.0	317	cP	19 52 03.0	-0.3		
SNY	88.7	320	cP	19 52 04.2	-2.4		
CN2	88.9	322	+P	19 52 07.0	-0.8		
			PMZ	m _B =6.3	3.5	0.80	
			cS	20 02 50.0	-1.7		

			SMN	m _B =5.7	11.0	0.80	
			LN	Ms=5.7	19.0	1.60	
TIA	89.2	312	cP	19 52 09.2	0.0		
			cS	20 02 46.5	-7.9		
			SMN	m _B =6.0	12.0	1.66	
			SME		12.0	0.97	
			LN	Ms=5.4	15.0	0.70	
GYA	91.4	299	+P	19 52 20.0	0.3		
			sP	19 52 35.0	1.6		
			SKS	20 02 53.0	6.7		
			S	20 03 16.0	3.5		
BJI	92.0	315	cP	19 52 22.5	0.2		
			cSKS	20 02 55.0	5.2		
			SMN	m _B =5.9	11.0	1.31	
TIY	93.1	311	+iP	19 52 27.9	0.3		
			PMZ		0.9	0.12	
			SKS	20 03 04.0	7.9		
			S	20 03 28.0	0.3		
XAN	93.6	307	P	19 52 28.5	-1.2		
KMI	93.8	296	+P	19 52 31.5	0.7		
			SME	m _B =5.6	10.0	0.48	
CD2	95.8	302	cP	19 52 38.8	-0.9		
			cS	20 03 53.0	0.5		
BTO	96.3	313	cP	19 52 42.0	0.2		
			SKS	20 03 17.0	3.9		
			cS	20 03 55.0	-1.4		
LZH	98.2	306	cP	19 52 51.0	0.2		
GTA	102.6	308	+P	19 53 09.5	-0.9		
			SKS	20 03 46.0	1.3		
			cS	20 04 50.0	0.4		
			SME	m _B =5.9	8.0	0.31	
			LN	Ms=5.4	16.0	0.64	

1986 10 20
 O=21 23 10.5 ± 0.18s
 LAT=28.23 S ± 4.25km
 LONG=176.65 W ± 6.05km
 DEPTH= 36 km ± 2.39km
 STATIONS USED = 47, STAND DEV = 2.10s
 Ms=5.5 / 10, m_B=6.0 / 9

QZH	81.7	304	+P	21 35 27.0	-0.6		
			cS	21 45 39.0	2.2		
			LE	Ms=5.4	20.0	1.12	
SSE	83.6	310	+P	21 35 36.0	-1.3		
			PMZ	m _B =5.9	10.0	1.34	
			pP	21 35 54.0	6.5		
			cS	21 45 54.0	-1.8		
			SS	21 51 22.0	-1.8		
			LN	Ms=5.5	18.0	1.17	
GZH	84.6	300	+P	21 35 42.0	-0.3		

LAT=27.73 S ± 1.04km
 LONG=176.42 W ± 1.68km
 DEPTH= 32 km ± 0.53km
 STATIONS USED = 27, STAND DEV = 0.94s
 $m_B = 5.6 / 2$

NJ2	85.6	310	-P	22 02 53.5	0.8		
WHN	87.9	306	cP	22 03 04.5	0.7		
GYA	91.4	299	P	22 03 21.2	0.3		
BJI	92.0	315	cP	22 03 23.0	-0.3		
			cS	22 14 28.0	7.1		
			SMN	$m_B = 5.5$	12.0	0.50	
TIY	93.1	311	cP	22 03 29.6	1.0		
			SKS	22 13 54.0	-3.4		
			sS	22 14 41.5	-5.0		
			SMN	$m_B = 5.7$	10.5	0.61	
CD2	95.8	302	cP	22 03 40.6	-0.3		

1986 10 20
 O=22 19 29.0 ± 0.13s
 LAT=28.20 S ± 2.39km
 LONG=176.42 W ± 3.21km
 DEPTH= 30 km ± 1.49km
 STATIONS USED = 36, STAND DEV = 1.64s
 $M_s = 5.3 / 2,$ $m_B = 6.0 / 4$

NJ2	85.9	310	-P	22 32 08.4	0.4		
MDJ	87.6	325	cP	22 32 15.7	-0.7		
			cS	22 43 00.0	5.0		
			SMN	$m_B = 5.5$	12.0	0.61	
WHN	88.1	306	cP	22 32 25.0	6.0		
CN2	89.2	322	-P	22 32 25.0	0.8		
TIA	89.5	312	cP	22 32 25.2	-0.3		
GYA	91.7	299	P	22 32 36.0	0.3		
BJI	92.3	315	cP	22 32 37.5	-1.1		
			cSKS	22 43 10.0	3.1		
			cS	22 43 46.0	8.2		
			SMN	$m_B = 6.0$	10.0	1.11	
			SME		10.0	0.60	
TIY	93.4	311	cP	22 32 44.5	0.7		
			SKS	22 43 19.5	6.4		
			SMN	$m_B = 6.0$	10.5	1.27	
XAN	93.9	307	cP	22 32 49.6	3.8		
			SKS	22 43 16.0	0.4		
			SMN	$m_B = 6.0$	11.0	1.15	
			SME		11.0	0.68	
KMI	94.1	296	+P	22 32 47.0	0.2		
CD2	96.1	302	cP	22 32 56.4	0.6		

1986 10 20
 O=22 51 18.5 ± 0.09s
 LAT=28.25 S ± 2.99km

LONG=176.19 W ± 3.28km
 DEPTH= 35 km ± 0.73km
 STATIONS USED = 41, STAND DEV = 1.11s
 $M_s = 5.4 / 4,$ $m_B = 6.0 / 5$

QZH	82.1	304	cP	23 03 36.0	-1.5		
			cS	23 13 47.0	-1.6		
			SME	$m_B = 5.9$	12.0	1.21	
NJ2	86.1	310	-P	23 03 58.5	0.7		
			S	23 14 22.0	-4.8		
MDJ	87.8	325	cP	23 04 05.5	-0.5		
			SKS	23 14 30.0	2.1		
			S	23 14 50.0	7.0		
			SMN	$m_B = 5.7$	12.0	0.83	
WHN	88.3	306	cP	23 04 08.5	-0.2		
			cSKS	23 14 34.0	2.5		
DL2	88.5	316	cP	23 04 09.2	-0.2		
SNY	89.2	320	cP	23 04 12.9	0.2		
CN2	89.4	322	cP	23 04 12.0	-1.8		
TIA	89.7	312	cP	23 04 15.5	0.3		
			cSKS	23 14 46.0	6.3		
			SMN	$m_B = 6.1$	11.0	1.75	
			SME		11.0	0.78	
			LN	$M_s = 5.5$	17.0	0.98	
GYA	91.9	299	P	23 04 26.2	0.7		
BJI	92.5	315	cP	23 04 28.0	-0.3		
			cSKS	23 15 03.0	6.8		
			cS	23 15 32.0	4.4		
			SMN	$m_B = 6.0$	10.0	1.39	
			SME		10.0	0.48	
TIY	93.6	311	cP	23 04 33.6	0.1		
			SKS	23 15 08.0	5.6		
			sS	23 15 51.5	-2.6		
			LE	$M_s = 5.3$	15.0	0.48	
XAN	94.1	307	P	23 04 35.5	0.0		
			SKS	23 15 10.5	5.6		
			sS	23 15 56.0	-2.1		
			SMN	$m_B = 6.1$	11.0	1.61	
			SME		11.0	0.91	
KMI	94.3	296	+P	23 04 37.0	0.4		
CD2	96.3	302	cP	23 04 46.0	0.4		

1986 10 21
 O=00 43 41.7 ± 0.07s
 LAT=27.81 S ± 2.42km
 LONG=176.17 W ± 2.26km
 DEPTH= 39 km ± 0.66km
 STATIONS USED = 48, STAND DEV = 1.58s
 $m_B = 5.8 / 2$

SSE	83.6	310	cP	00 56 07.2	-1.2		
GZH	84.8	299	cP	00 56 14.5	0.6		

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SSE	83.1	310	P	07 03 15.0	-0.4			
			PMZ		$m_B = 5.8$	8.0	0.85	
			sP	07 03 30.0	1.5			
			SKS	07 13 32.0	2.2			
			SS	07 18 57.0	-1.1			
			LN		$M_s = 5.5$	18.0	0.88	
			LE			18.0	0.80	
GZH	84.2	299	+P	07 03 22.4	1.2			
NJ2	85.3	310	+P	07 03 26.0	-0.3			
MDJ	86.8	325	cP	07 03 32.5	-1.6			
			S	07 14 03.0	-4.2			
			SMN			15.0	1.17	
			LN		$M_s = 5.4$	20.0	0.87	
WHN	87.6	306	cP	07 03 37.5	0.0			
			cS	07 14 10.0	-5.6			
SNY	88.3	320	+P	07 03 38.0	-2.9			
CN2	88.5	322	+P	07 03 41.0	-1.0			
			SMN		$m_B = 5.8$	6.0	0.60	
			LN		$M_s = 5.3$	28.0	1.00	
GYA	91.2	299	P	07 03 55.0	0.2			
			S	07 14 39.0	-7.9			
BJI	91.7	315	cP	07 03 56.5	-0.4			
			eSKS	07 14 30.0	5.8			
			SMN		$m_B = 6.0$	9.0	1.07	
			SME			9.0	0.35	
TIY	92.8	311	cP	07 04 01.5	-0.7			
			S	07 15 06.5	5.2			
			sS	07 15 25.0	6.4			
XAN	93.3	307	cP	07 04 04.7	0.2			
KMI	93.6	296	+P	07 04 07.0	1.0			
CD2	95.6	302	P	07 04 14.5	-0.2			
			eS	07 15 23.0	-3.8			
GTA	102.3	308	cP	07 04 48.0	2.7			
			SKS	07 15 24.0	4.2			
			eS	07 16 28.0	4.5			
			LE		$M_s = 5.4$	20.0	0.75	
1986 10 21								
O = 08 47 46.3 ± 0.25s								
LAT = 23.28 N ± 2.09km								
LONG = 103.69 E ± 3.36km								
DEPTH = 15 km ± 0.05km								
STATIONS USED = 10, STAND DEV = 4.56s								
$M_s = 4.3 / 1, M_L = 3.9 / 2,$								
KMI	2.0	335	+Pn	08 48 20.5	-0.1			
			Sn	08 48 45.5	-1.8			
			SMN		$M_L = 3.7$	1.5	0.40	
			SME			1.5	0.95	
GYA	4.2	40	Pn	08 48 47.6	-2.2			
			S*	08 49 52.0	4.5			

			SMN	$M_L = 4.1$	1.0	0.40	
			SME		1.0	0.30	
			LN	$M_s = 4.3$	5.0	1.60	
			LE		5.0	2.10	
QZN	7.1	125	cPn	08 49 31.7	1.2		
			cSn	08 50 51.0	-2.6		
CD2	7.6	0	cPn	08 49 34.6	-2.4		
			LG ₁	08 51 38.0	-7.0		
XAN	11.7	22	cP	08 50 44.4	8.9		

1986 10 21

O = 09 32 25.1 ± 0.16s
 LAT = 28.07 S ± 3.06km
 LONG = 176.55 W ± 4.89km
 DEPTH = 30 km ± 1.58km
 STATIONS USED = 23, STAND DEV = 2.55s

NJ2	85.7	310	cP	09 45 03.0	-0.4		
MDJ	87.4	325	cP	09 45 10.5	-1.4		
SNY	88.8	320	-P	09 45 19.0	0.5		
CN2	89.1	322	cP	09 45 18.4	-1.3		
GYA	91.5	299	P	09 45 31.4	0.2		
TIY	93.3	311	c(P)	09 45 38.8	-0.5		
CD2	95.9	302	cP	09 45 51.8	0.5		

1986 10 21

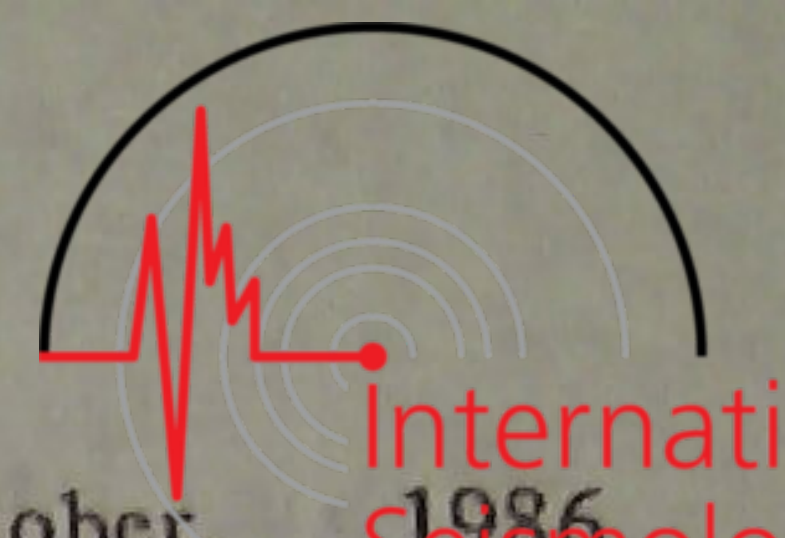
O = 10 22 07.4 ± 0.16s
 LAT = 38.46 N ± 2.53km
 LONG = 141.76 E ± 0.79km
 DEPTH = 75 km ± 2.21km
 STATIONS USED = 31, STAND DEV = 2.03s

CN2	13.4	299	cP	10 25 24.0	8.1		
SSE	18.4	253	cP	10 26 19.5	0.5		
			pP	10 26 36.5	2.5		
NJ2	19.7	258	cP	10 26 31.0	-2.9		
BJI	19.9	283	cP	10 26 35.0	-0.2		
TIY	23.1	277	c(P)	10 27 07.8	0.5		
XAN	26.8	271	-P	10 27 42.2	-0.3		
GYA	31.8	258	P	10 28 27.4	0.3		
GTA	32.4	285	P	10 28 33.4	0.4		
WMQ	40.5	295	P	10 29 41.8	1.1		

1986 10 21

O = 10 48 21.0 ± 0.12s
 LAT = 27.81 S ± 3.29km
 LONG = 176.52 W ± 4.39km
 DEPTH = 34 km ± 1.53km
 STATIONS USED = 47, STAND DEV = 1.94s
 $M_s = 5.4 / 5, m_B = 5.7 / 3$

QZH	81.6	304	cP	11 00 36.5	-1.1		
			cS	11 10 47.0	0.7		



			LE		$M_s = 5.4$	9.0	0.45	SSE	83.4	310	P	11 15 26.0	-0.2		
SSE	83.4	310	e(P)	11 00 45.0	-2.0						PMZ			1.5	0.11
			PMZ		$m_B = 4.6$	10.0	0.060				S	11 25 46.0	3.3		
			eS	11 10 56.0	-8.9						esS	11 25 58.0	-2.7		
			esS	11 11 22.0	0.6						PS	11 26 44.0			
			LN		$M_s = 5.4$	22.0	1.11				SS	11 31 20.0	8.0		
GZH	84.5	300	+P	11 00 53.0	0.5						LN		$M_s = 5.7$	18.0	1.17
QZN	85.1	294	eP	11 01 02.5	7.0						LE			17.0	1.43
			eS	11 11 31.0	9.4			GZH	84.6	299	+P	11 15 31.8	0.0		
NJ2	85.6	310	+P	11 00 58.0	0.1			QZN	85.2	294	eP	11 15 41.5	6.6		
			S	11 11 22.0	-2.6						eS	11 26 10.0	8.5		
MDJ	87.2	325	eP	11 01 05.2	-0.9			NJ2	85.6	310	-P	11 15 37.5	0.5		
			eS	11 11 42.0	-0.5						PP	11 18 57.0	0.5		
			SMN			15.0	1.08				S	11 26 00.0	-4.0		
			LN		$M_s = 5.3$	20.0	0.80	MDJ	87.2	325	eP	11 15 45.5	0.5		
SNY	88.6	320	-P	11 01 13.0	0.2						SKS	11 26 11.0	4.8		
			SKS	11 11 45.0	9.0						S	11 26 24.0	4.4		
			S	11 12 00.0	6.2			WHN	87.9	306	-iP	11 15 48.0	-0.1		
			SMN			16.0	1.18				PMZ			3.0	1.32
CN2	88.9	322	eP	11 01 11.4	-2.6						cSKS	11 26 15.0	4.7		
GYA	91.4	299	P	11 01 27.6	1.7						eS	11 26 27.0	-0.5		
BJI	92.0	315	eP	11 01 28.0	-0.5						SMN		$m_B = 5.8$	8.0	0.69
			SKS	11 12 00.0	4.1						LE		$M_s = 5.5$	16.0	0.94
			eS	11 12 35.0	9.2			DL2	88.0	316	eP	11 15 48.3	-0.2		
			SMN		$m_B = 5.7$	10.0	0.67	SNY	88.7	320	+iP	11 15 52.0	0.3		
TIY	93.1	311	eP	11 01 34.0	0.2						SKS	11 26 20.0	5.0		
			SKS	11 12 06.0	3.7						S	11 26 34.0	1.2		
			sS	11 12 47.5	-4.6						LN		$M_s = 5.6$	27.0	1.37
			PS	11 14 04.5							LE			22.0	1.23
XAN	93.6	307	-P	11 01 37.0	1.1			CN2	88.9	322	-iP	11 15 52.5	-0.4		
			SMN		$m_B = 5.8$	11.0	0.69				eSKS	11 26 20.0	3.6		
			SME			12.0	0.51				eS	11 26 30.0	-6.7		
KMI	93.8	296	+P	11 01 37.5	0.4						SME		$m_B = 5.9$	5.5	0.70
CD2	95.8	302	eP	11 01 47.0	1.0			GYA	91.5	299	-P	11 16 05.0	-0.2		
GTA	102.6	308	P	11 02 17.0	0.3						sP	11 16 19.0	0.1		
			eSKS	11 12 54.0	3.1						PP	11 19 49.0	5.2		
			eS	11 13 54.5	-1.3						SKS	11 26 35.0	3.1		
			PS	11 15 32.0							S	11 26 52.0	-6.4		
			LE		$M_s = 5.3$	16.0	0.44	BJI	92.0	315	eP	11 16 07.0	-0.6		
											SKS	11 26 37.0	2.0		
											eS	11 27 07.5	2.6		
											SME		$m_B = 6.0$	8.0	1.02
								TIY	93.2	311	-P	11 16 13.0	0.1		
											PMZ			1.7	0.19
											SKS	11 26 46.0	4.6		
											S	11 27 23.0	9.9		
											SME		$m_B = 6.0$	8.0	1.08
											PS	11 28 45.0			
											LE		$M_s = 5.5$	15.0	0.76
								XAN	93.6	307	eP	11 16 16.2	1.2		

1986 10 21

O = 11 02 59.9 ± 0.06s

LAT = 27.69 S ± 2.92km

LONG = 176.35 W ± 2.68km

DEPTH = 34 km ± 0.69km

STATIONS USED = 78, STAND DEV = 1.22s

$M_s = 5.7 / 16,$ $m_B = 5.9 / 9$

QZH 81.6 304 -iP 11 15 16.5 -0.3

S 11 25 27.5 3.2

LE $M_s = 5.7$ 20.0 1.94

			S	12 53 38.0	1.6			
BJI	90.0	315	cP	12 42 49.0	-1.6			
			eSKS	12 53 20.0	3.5			
			SMN	$m_B = 6.3$	11.0	2.68		
			SME		9.0	0.81		
TIY	91.2	312	cP	12 42 56.5	0.2			
			SKS	12 53 33.0	9.5			
			LE	$M_s = 5.4$	20.0	0.86		
XAN	91.8	307	cP	12 42 59.3	0.4			
			SKS	12 53 33.0	6.2			
			SMN	$m_B = 6.3$	11.0	2.76		
			SME		11.0	1.36		
KMI	92.3	297	cP	12 43 00.0	-1.4			
CD2	94.1	302	cP	12 43 10.0	0.4			
			SKS	12 53 47.5	7.6			
			S	12 54 22.4	7.8			
GTA	100.7	309	cP	12 43 39.0	-0.7			
			SKS	12 54 19.0	4.8			
			PS	12 57 03.0				
			SMN		15.0	0.53		
			LE	$M_s = 5.6$	22.0	1.30		

1986 10 21

O = 15 11 41.7 ± 0.10s
 LAT = 27.75 S ± 2.90km
 LONG = 176.55 W ± 3.85km
 DEPTH = 34 km ± 0.97km
 STATIONS USED = 43, STAND DEV = 1.88s

NJ2	85.5	310	cP	15 24 22.5	4.2		
MDJ	87.2	325	cP	15 24 25.0	-1.5		
WHN	87.8	306	cP	15 24 29.5	0.1		
DL2	87.9	317	cP	15 24 34.0	4.1		
SNY	88.6	320	+P	15 24 33.4	0.2		
CN2	88.8	322	P	15 24 33.9	-0.5		
TIA	89.1	312	+P	15 24 36.6	0.8		
GYA	91.4	299	P	15 24 46.8	0.4		
BJI	91.9	315	cP	15 24 47.0	-2.0		
TIY	93.1	311	cP	15 24 54.5	0.2		
XAN	93.5	307	+P	15 24 57.0	0.6		
KMI	93.8	296	cP	15 24 59.0	1.4		
CD2	95.8	302	cP	15 25 07.8	1.3		
GTA	102.5	308	cP	15 25 32.0	-5.1		

1986 10 21

O = 18 09 01.7 ± 0.20s
 LAT = 38.44 N ± 0.70km
 LONG = 76.66 E ± 1.13km
 DEPTH = 31 km ± 1.11km
 STATIONS USED = 7, STAND DEV = 3.78s
 $M_L = 3.5 / 4,$

KSH	1.1	333	-Pn	18 09 22.0	-0.2		
			Sn	18 09 43.0	5.0		
			SME	$M_L = 3.9$	0.5	2.40	
GTA	18.0	80	cP	18 13 11.8	-0.3		

1986 10 21

O = 19 18 55.1 ± 0.15s
 LAT = 27.17 S ± 2.61km
 LONG = 176.29 W ± 3.48km
 DEPTH = 32 km ± 0.47km
 STATIONS USED = 41, STAND DEV = 1.64s
 $M_s = 5.1 / 1,$

GZH	84.3	299	cP	19 31 27.5	1.3		
NJ2	85.3	310	+P	19 31 32.0	1.0		
MDJ	86.8	325	cP	19 31 37.5	-1.0		
			SKS	19 42 02.0	2.7		
			S	19 42 10.0	-1.5		
			LN	$M_s = 5.1$	20.0	0.44	
WHN	87.6	306	cP	19 31 42.5	0.2		
SNY	88.3	320	cP	19 31 44.6	-0.9		
CN2	88.5	322	P	19 31 45.0	-1.5		
TIA	88.9	312	cP	19 31 49.7	1.3		
GYA	91.3	299	P	19 32 00.4	0.7		
BJI	91.7	315	cP	19 32 01.5	0.0		
TIY	92.9	311	cP	19 32 07.1	0.2		
XAN	93.4	307	cP	19 32 09.4	0.1		
CD2	95.7	302	cP	19 32 20.5	0.9		
GTA	102.3	308	cP	19 32 49.0	-1.0		

1986 10 21

O = 20 20 42.9 ± 0.07s
 LAT = 38.62 N ± 0.58km
 LONG = 116.27 E ± 0.66km
 DEPTH = 5 km ± 0.27km
 STATIONS USED = 10, STAND DEV = 2.86s

$M_L = 3.2 / 7,$

BJI	1.4	357	Pg	20 21 07.0	-1.0		
			Sg	20 21 25.0	-2.3		
			SMN	$M_L = 3.2$	0.5	0.60	
			SME		0.5	0.090	
TIA	2.5	164	cPn	20 21 25.3	0.7		
			cP*	20 21 28.7	2.7		
			Pg	20 21 34.1	7.0		
			Sg	20 22 03.3	2.0		
			SMN	$M_L = 2.9$	0.4	0.065	
			SME		0.4	0.076	
HHC	4.3	303	cPg	20 22 00.8	2.6		
			Sg	20 22 52.4	-3.8		
			SMN	$M_L = 3.1$	0.8	0.030	
			SME		0.8	0.040	

BTO	5.2	294	cPg	20 22 13.4	-1.8		
			Sg	20 23 21.0	-5.3		

1986 10 21

O = 21 09 34.4 ± 0.39s
 LAT = 13.50 N ± 2.58km
 LONG = 90.06 W ± 2.39km
 DEPTH = 17 km ± 3.66km
 STATIONS USED = 34, STAND DEV = 2.35s
 Ms = 5.5 / 2,

BJI	121.4	337	cP	21 28 28.0	-0.1		
WMQ	122.9	2	-iP	21 28 31.8	0.6		
TIY	124.9	338	cP	21 28 34.0	-0.9		
SSE	126.5	326	c(P)	21 28 38.7	0.8		
			LN			Ms = 5.5	20.0 0.72
GTA	126.6	350	PKP	21 28 38.0	-0.2		
			LN			Ms = 5.4	16.0 0.44
LZH	129.0	346	cP	21 28 44.5	1.6		
			PMZ				1.0 0.030
CD2	133.9	343	cP	21 28 54.1	1.9		
GYA	137.1	338	P	21 29 00.0	1.9		
KMI	139.6	342	cP	21 29 04.0	1.1		

1986 10 21

O = 23 56 08.8
 LAT = 23.30 N
 LONG = 103.66 E
 DEPTH = 16 km
 STATIONS USED = 4
 ML = 3.5 / 2,

GYA	4.2	40	Pg	23 57 21.6	-1.0		
			S*	23 58 09.0	-1.0		
			SMN			ML = 3.4	1.0 0.070
			SME				1.0 0.090

1986 10 22

O = 02 38 43.9 ± 0.05s
 LAT = 28.11 S ± 2.21km
 LONG = 176.24 W ± 2.24km
 DEPTH = 34 km ± 0.53km
 STATIONS USED = 40, STAND DEV = 1.20s
 Ms = 5.2 / 3, m_B = 5.8 / 4

NJ2	86.0	310	+P	02 51 23.5	0.9		
MDJ	87.6	325	cP	02 51 32.0	1.1		
WHN	88.2	306	P	02 51 34.5	0.8		
			cS	03 02 16.0	1.5		
DL2	88.3	316	cP	02 51 34.0	-0.2		
SNY	89.0	320	cP	02 51 34.7	-2.9		
CN2	89.3	322	cP	02 51 38.0	-0.7		
			cS	03 02 19.0	-5.3		

TIA	89.6	312	P	02 51 40.9	0.8		
			SMN			m _B = 5.8	6.0 0.50
			SMN				12.5 0.89
BJI	92.4	315	cP	02 51 53.0	-0.2		
			cSKS	03 02 27.0	6.0		
			SMN			m _B = 5.8	8.0 0.69
TIY	93.5	311	cP	02 51 57.8	-0.6		
			sS	03 03 19.0	0.7		
XAN	94.0	307	cP	02 52 01.0	0.5		
			cS	03 03 15.0	9.0		
			SMN			m _B = 5.7	9.0 0.62
KMI	94.2	296	cP	02 52 03.0	1.4		
CD2	96.2	302	cP	02 52 11.1	0.5		
GTA	103.0	308	cP	02 52 40.0	-1.2		
			SKS	03 03 19.0	3.4		
			cS	03 04 27.5	5.6		
			PS	03 06 04.0			
			LE			Ms = 5.1	26.0 0.51

1986 10 22

O = 05 30 33.0 ± 0.12s
 LAT = 2.24 N ± 1.49km
 LONG = 126.72 E ± 1.60km
 DEPTH = 77 km ± 0.88km
 STATIONS USED = 40, STAND DEV = 1.65s

QZN	23.5	316	cP	05 35 38.9	2.2		
XAN	35.7	334	cP	05 37 25.3	-1.3		
CD2	35.8	325	cP	05 37 26.5	-1.0		
TIY	37.7	341	cP	05 37 39.8	-3.0		
BJI	38.8	347	cP	05 37 52.5	0.1		
SNY	39.5	356	cP	05 38 01.3	3.2		
LZH	39.8	331	cP	05 38 00.5	0.0		
			PMZ				1.2 0.040
MDJ	42.3	3	cP	05 38 20.0	-0.9		
GTA	44.4	330	P	05 38 37.0	-1.0		
WMQ	53.9	326	cP	05 39 50.8	-0.8		

1986 10 22

O = 08 59 29.3 ± 0.10s
 LAT = 10.48 S ± 1.20km
 LONG = 166.06 E ± 1.60km
 DEPTH = 168 km ± 0.42km
 STATIONS USED = 82, STAND DEV = 0.93s

SSE	59.7	315	P	09 09 17.8	-0.9		
			PMZ				0.9 0.060
			pP	09 09 59.0	1.8		
			ScP	09 13 46.0	-0.1		
			iS	09 17 14.0	-0.5		
			SMN			m _B = 5.9	7.0 1.70

		S	09 22 37.5	0.7				LN	$M_s = 5.5$	11.0	11.1			
		SMN	$m_B = 6.1$		8.0	1.21		LE		12.0	9.34			
KSH	96.6	309	P	09 12 45.0	2.7			KMI	14.9	283	+P	14 39 18.5	-0.1	
			ipP	09 13 28.0	4.4						sP	14 39 28.0	1.1	
			SKS	09 23 06.0	5.7						cS	14 42 07.0	2.2	
			iS	09 23 49.0	2.9						LE	$M_s = 5.4$	10.0	9.45
			SS	09 30 32.0	6.1			CD2	15.8	305	cP	14 39 29.2	-1.2	
											S	14 42 32.0	6.5	
											LG ₂	14 44 24.0	-4.2	
											LN	$M_s = 5.6$	10.0	14.2
								TIY	16.2	342	cP	14 39 36.5	1.7	
											S	14 42 40.5	7.1	
											LG ₂	14 44 43.1	3.7	
											LN	$M_s = 5.3$	10.0	6.35
											LE		11.0	2.02
								BJI	17.7	353	P	14 39 56.0	2.2	
											cS	14 43 10.0	1.2	
											SME	$m_B = 4.9$	9.0	0.58
											LN	$M_s = 5.2$	7.0	2.66
								LZH	18.8	320	+P	14 40 09.0	1.3	
											PMZ		2.5	0.17
											cS	14 43 40.0	5.8	
											SMN	$m_B = 4.9$	7.0	0.48
											LN	$M_s = 5.5$	9.0	5.91
											LE		11.0	4.05
								HHC	19.3	343	cP	14 40 13.6	-0.4	
											sP	14 40 20.0	-2.5	
											S	14 43 47.0	1.6	
											LN	$M_s = 5.5$	9.0	5.81
											LE		9.0	1.35
								BTO	19.6	340	cP	14 40 16.8	0.3	
											sP	14 40 25.0	-0.1	
											S	14 43 54.0	3.4	
											LN	$M_s = 5.2$	11.0	2.80
											LE		11.0	3.30
								SNY	19.8	11	+P	14 40 19.3	0.7	
											S	14 43 56.0	1.1	
											SMN	$m_B = 5.2$	12.0	1.03
											SME		12.0	1.08
											LN	$M_s = 5.3$	9.0	3.17
											LE		10.5	3.65
								CN2	22.0	13	cP	14 40 42.4	0.4	
											pP	14 40 46.5	-1.3	
											cS	14 44 42.0	2.2	
											sS	14 44 53.0	3.9	
								GTA	23.4	321	-iP	14 40 55.7	0.0	
											PMZ	$m_B = 5.2$	4.0	0.34
											S	14 45 07.0	3.3	
											sS	14 45 14.0	0.2	
											LG ₁	14 48 10.0	9.7	

1986 10 22
 O=14 35 45.8 ± 0.10s
 LAT=22.44 N ± 1.31km
 LONG=118.76 E ± 1.43km
 DEPTH= 13 km ± 0.23km
 STATIONS USED = 78, STAND DEV = 1.70s
 $M_s = 5.4 / 29$, $M_L = 4.5 / 2$, $m_B = 5.2 / 7$

QZH	2.5	356	cPn	14 36 26.0	-0.6		
			Pg	14 36 31.1	1.1		
			Sn	14 36 53.5	-5.4		
			SMN	$M_L = 4.5$	0.2	2.49	
			SME		0.2	3.26	
			LN		9.0	29.4	
GZH	5.0	278	-iPn	14 37 02.8	1.3		
			(Sn)	14 38 01.8	0.0		
			LG ₁	14 38 19.6	-4.5		
			LG ₂	14 38 30.5	-1.6		
			LN	$M_s = 5.1$	8.0	14.2	
			LE		9.0	21.2	
WHN	9.0	335	cP	14 37 56.5	-2.0		
			S	14 39 35.5	-4.9		
			LG ₁	14 40 31.5	3.4		
			LE	$M_s = 5.7$	6.0	23.4	
NJ2	9.6	0	+P	14 38 04.8	-1.9		
			pP	14 38 08.4	-3.5		
			S	14 39 50.0	-5.0		
			LN	$M_s = 5.7$	9.0	36.2	
GYA	11.7	292	P	14 38 35.0	-1.2		
			pP	14 38 39.0	-1.9		
			S	14 40 42.0	-5.5		
			LN	$M_s = 5.4$	9.0	10.8	
			LE		9.0	8.00	
TIA	13.8	354	cP	14 39 04.3	0.4		
			cS	14 41 47.5	9.4		
			sS	14 41 49.7	3.8		
			LG ₂	14 43 15.0	-6.2		
			LN	$M_s = 5.2$	11.0	6.59	
			LE		11.0	4.29	
XAN	14.4	325	cP	14 39 10.5	-1.8		
			cSS	14 42 12.0	2.8		
			LG ₁	14 43 19.0	-0.3		
			LG ₂	14 43 38.0	-4.2		

			LN	Ms = 5.3	9.0	2.71	QZH	82.1	304	-P	19 53 09.0	1.7		
MDJ	23.8	19	+P	14 41 00.0	0.0					eS	20 03 18.0	-0.5		
			S	14 45 19.0	7.2					LN	Ms = 5.3	20.0	0.75	
WMQ	33.3	317	eP	14 42 26.0	-0.2		SSE	84.0	310	P	19 53 16.0	-0.8		
			pP	14 42 34.5	2.5					eS	20 03 33.0	-4.2		
			PP	14 43 36.5	-0.7					esS	20 03 50.0	-4.7		
			eS	14 47 47.0	1.2					eSS	20 09 10.0	3.0		
			LN	Ms = 5.3	14.0	2.86	NJ2	86.1	310	+P	19 53 26.0	-1.5		
KSH	40.0	305	eP	14 43 25.0	2.3					PMZ	m _B = 5.9	8.0	0.90	
			sP	14 43 32.0	0.5					S	20 03 52.0	-4.7		
			ePP	14 45 04.0	5.8					SS	20 09 38.0	-1.3		
			eS	14 49 35.0	6.8		MDJ	87.9	325	eP	19 53 35.5	-0.3		
										SKS	20 04 04.0	6.5		
										S	20 04 19.0	6.1		
										LN	Ms = 5.2	20.0	0.66	
							WHN	88.4	306	eP	19 53 38.0	-0.5		
										eSKS	20 04 04.0	3.0		
										eS	20 04 17.0	-2.8		
							SNY	89.2	320	eP	19 53 43.2	0.8		
										SKS	20 04 14.0	7.9		
										S	20 04 34.0	8.2		
										SMN		15.0	1.53	
										LN	Ms = 5.3	16.0	0.47	
										LE		18.0	0.47	
							CN2	89.5	322	eP	19 53 41.5	-2.1		
										PMZ	m _B = 5.7	5.0	0.30	
										eSKS	20 04 06.0	-1.6		
										eS	20 04 20.0	-9.8		
										SMN	m _B = 5.8	9.0	0.90	
							TIA	89.8	312	P	19 53 44.8	-0.1		
							GYA	91.9	299	P	19 54 05.0	11.0		
							BJI	92.6	315	P	19 53 57.7	-0.3		
										eSKS	20 04 25.5	-0.2		
										eS	20 05 05.5	8.1		
										SMN	m _B = 6.1	10.0	1.50	
										SME		10.0	0.48	
							TIY	93.7	311	P	19 54 04.0	0.8		
										SKS	20 04 38.5	6.6		
										sS	20 05 20.0	-4.7		
										LN	Ms = 5.2	20.0	0.50	
							XAN	94.2	306	eP	19 54 05.6	0.4		
										eSKS	20 04 40.0	5.6		
										eS	20 05 18.0	6.9		
										SMN	m _B = 6.1	11.0	1.63	
										SME		11.0	0.68	
							CD2	96.4	302	eP	19 54 16.9	1.6		
							BTO	96.8	313	eP	19 54 17.3	-0.2		
										eSKS	20 04 53.0	4.5		
										S	20 05 29.0	-2.9		
							GTA	103.1	308	eP	19 54 45.8	-0.2		

1986 10 22

O = 17 23 35.9 ± 0.19s

LAT = 27.79 S ± 2.09km

LONG = 176.05 W ± 2.86km

DEPTH = 33 km ± 0.49km

STATIONS USED = 18, STAND DEV = 1.39s

MDJ 87.5 324 eP 17 36 21.5 -0.7

CN2 89.1 322 eP 17 36 29.6 -0.5

TIA 89.5 312 P 17 36 32.8 1.1

BJI 92.3 315 eP 17 36 44.0 -0.8

TIY 93.4 311 eP 17 36 52.2 2.1

1986 10 22

O = 17 30 05.7 ± 0.13s

LAT = 28.02 N ± 1.14km

LONG = 101.18 E ± 1.28km

DEPTH = 0 km ± 0.07km

STATIONS USED = 14, STAND DEV = 3.43s

M_L = 3.3 / 7,

KMI 3.2 154 -Pg 17 30 59.0 -3.6

Sg 17 31 49.0 2.8

SME M_L = 3.3 1.6 0.10

CD2 3.7 37 Pn 17 31 06.2 2.6

Pg 17 31 11.8 1.7

Sg 17 32 01.4 1.4

SMN M_L = 3.3 0.7 0.10

SME 0.8 0.070

GYA 5.1 106 Pn 17 31 26.3 2.8

XAN 8.9 46 eP* 17 32 32.0 -2.8

1986 10 22

O = 19 40 48.1 ± 0.14s

LAT = 28.32 S ± 2.43km

LONG = 176.15 W ± 3.84km

DEPTH = 37 km ± 1.04km

STATIONS USED = 47, STAND DEV = 2.01s

M_s = 5.3 / 9, m_B = 5.8 / 8

SKS	20 05 24.0	4.0		
eS	20 06 33.0	6.0		
SMN			14.0	0.35
LE	Ms = 5.2		22.0	0.51

WHN	59.1	281	eP	01 52 28.5	-1.8		
XAN	59.8	288	+iP	01 52 35.0	-0.5		
GTA	61.1	298	+iP	01 52 43.2	-1.3		
LZH	61.3	293	eP	01 52 45.5	0.0		
			PMZ			1.5	0.070
WMQ	64.1	309	P	01 53 03.6	-0.6		
CD2	65.1	289	P	01 53 11.0	0.5		
GYA	66.7	283	P	01 53 21.0	0.3		
KMI	70.0	285	+P	01 53 42.0	0.5		

1986 10 22

O = 22 20 26.1 ± 0.15s
 LAT = 27.52 S ± 1.96km
 LONG = 176.57 W ± 3.13km
 DEPTH = 30 km ± 0.38km

STATIONS USED = 55, STAND DEV = 1.26s

SSE	83.2	310	e(P)	22 32 50.0	-1.5		
			sS	22 43 28.0	4.0		
			SS	22 48 44.0	8.7		
GZH	84.3	300	-iP	22 32 57.5	0.3		
NJ2	85.4	310	+P	22 33 03.0	0.6		
MDJ	87.0	325	eP	22 33 09.3	-1.2		
			pP	22 33 21.0	1.4		
WHN	87.6	306	+P	22 33 13.5	-0.1		
SNY	88.4	320	-iP	22 33 17.0	-0.2		
			eS	22 43 55.0	-4.2		
CN2	88.6	322	eP	22 33 17.2	-1.2		
TIA	89.0	312	P	22 33 20.0	0.1		
			sP	22 33 35.0	2.1		
GYA	91.2	299	+P	22 33 31.0	0.3		
BJI	91.8	315	eP	22 33 33.0	-0.1		
TIY	92.9	311	+P	22 33 38.5	0.1		
XAN	93.4	307	-iP	22 33 41.2	0.6		
KMI	93.7	296	+P	22 33 43.0	1.0		
			pP	22 33 54.5	3.6		
CD2	95.6	302	P	22 33 51.8	1.1		
BTO	96.0	313	eP	22 33 52.8	0.2		

1986 10 23

O = 01 42 30.6 ± 0.08s
 LAT = 52.42 N ± 3.07km
 LONG = 168.11 W ± 1.63km
 DEPTH = 35 km ± 0.79km

STATIONS USED = 55, STAND DEV = 1.40s

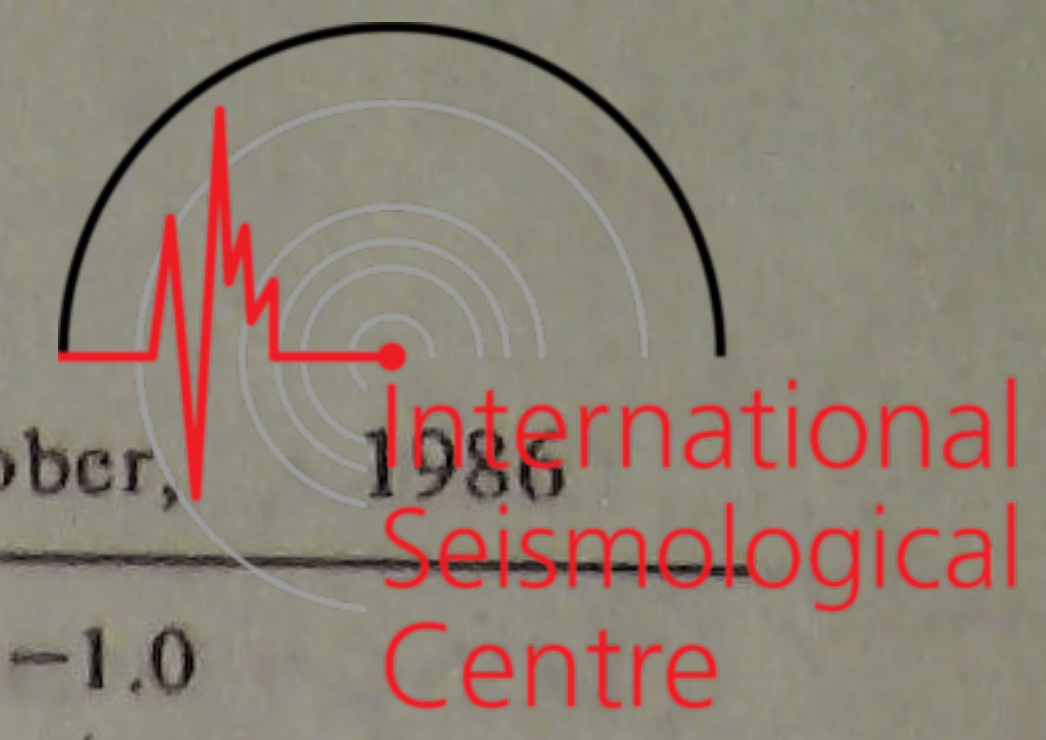
MDJ	40.8	285	eP	01 50 09.0	-1.9		
CN2	43.7	286	P	01 50 34.0	-0.8		
SNY	46.0	285	+iP	01 50 53.4	0.4		
BJI	51.5	288	eP	01 51 35.0	-0.3		
TIA	53.5	284	eP	01 51 50.1	-0.1		
HHC	53.6	292	eP	01 51 52.0	0.7		
SSE	54.6	276	+P	01 51 59.0	0.9		
			PMZ			1.2	0.050
			pP	01 52 06.8	-1.2		
BTO	54.7	292	eP	01 51 59.0	0.0		
TIY	55.2	288	eP	01 52 03.0	0.0		

1986 10 23

O = 02 18 52.0 ± 0.09s
 LAT = 15.57 S ± 0.78km
 LONG = 167.72 E ± 1.30km
 DEPTH = 171 km ± 0.98km

STATIONS USED = 89, STAND DEV = 0.74s

						$m_B = 5.7 / 20$	
QZH	62.6	309	eP	02 29 00.0	-0.6		
			pP	02 29 38.0	-2.1		
			iS	02 37 19.0	5.6		
			SMN			$m_B = 5.9$	6.0 1.39
			sS	02 38 26.0	3.8		
SSE	64.4	316	-P	02 29 12.0	-0.7		
			PMZ				1.3 0.15
			pP	02 29 52.0	-0.4		
			sP	02 30 08.0	-3.0		
			S	02 37 36.0	0.8		
			SMN			$m_B = 5.6$	9.0 0.64
			SME				8.0 0.79
			sS	02 38 48.0	2.4		
			eSS	02 41 49.0	-0.8		
			LE				20.0 2.02
GZH	65.6	305	eP	02 29 21.0	0.6		
			pP	02 30 00.0	-0.2		
			S	02 37 56.0	6.3		
			sS	02 39 08.0	7.6		
			LN				36.0 7.00
			LE				34.0 5.00
QZN	66.5	299	-P	02 29 26.0	-0.2		
			S	02 38 00.0	-0.7		
			sS	02 39 14.0	2.4		
NJ2	66.6	316	-P	02 29 26.0	-0.5		
			pP	02 30 08.0	1.6		
			iS	02 38 05.0	2.3		
			SME			$m_B = 5.6$	8.0 0.90
WHN	68.8	312	-P	02 29 39.5	-0.9		
			eS	02 38 27.0	-2.4		
			sS	02 39 40.0	0.7		
			LE				16.0 1.88
MDJ	69.2	332	iP	02 29 43.0	0.1		



			pP	02 30 24.0	1.0				S	02 39 32.5	-1.0		
			sP	02 30 44.0	2.4				SMN	$m_B=5.4$		11.0	0.69
			PcP	02 30 03.0	-1.8			KMI	75.1	302	-iP	02 30 19.0	1.1
			S	02 38 39.0	6.3				PMZ	$m_B=5.8$		5.0	0.97
			SME	$m_B=5.8$		10.0	1.88		pP	02 31 02.0		3.6	
			SKS	02 39 17.0	-4.3				sP	02 31 19.0		2.2	
			sS	02 39 49.0	5.0				S	02 39 48.0		8.5	
SNY	70.1	326	-iP	02 29 48.0	-0.5				SMN	$m_B=6.0$		7.0	1.57
			sP	02 30 48.0	0.7				SME			7.0	0.73
			eS	02 38 41.0	-3.8			HHC	76.5	320	-iP	02 30 26.5	0.9
			SME			22.0	1.60	CD2	76.9	308	-iP	02 30 28.0	0.5
			LN			32.0	5.18		PMZ			0.8	0.090
			LE			32.0	3.18		pP	02 31 10.2		1.8	
CN2	70.6	329	-iP	02 29 50.8	-0.4				sP	02 31 27.0		0.2	
			PMZ			2.5	0.70		PP	02 33 26.0		3.0	
			pP	02 30 32.0	0.6				S	02 40 03.5		5.0	
			sP	02 30 50.5	0.5				sS	02 41 14.5		3.1	
			ePP	02 32 28.0	-3.3			BTO	77.3	319	-iP	02 30 31.0	0.8
			cS	02 38 47.0	-3.0				pP	02 31 14.0		3.0	
			SMN	$m_B=5.7$		8.0	0.50		sP	02 31 30.0		0.6	
			SME			8.0	0.80		PP	02 33 29.0		2.0	
			SS	02 43 19.0	-6.7				S	02 40 04.0		0.4	
GYA	72.5	305	-P	02 30 02.5	-0.5				SKS	02 40 15.0		-5.7	
			pP	02 30 45.0	1.8				LN			19.0	1.30
			sP	02 31 02.0	0.2				LE			19.0	0.90
			PP	02 32 48.0	0.1			LZH	79.2	312	-iP	02 30 41.5	1.1
			S	02 39 13.0	2.1				PMZ			1.5	0.35
			ScS	02 39 50.0	0.9				pP	02 31 24.0		2.7	
			LN			28.0	1.60		sP	02 31 43.0		3.3	
			LE			28.0	1.20		S	02 40 30.0		6.6	
BJI	73.2	321	-P	02 30 06.5	-0.1				SMN	$m_B=5.7$		10.0	0.87
			epP	02 30 48.0	0.9			GTA	83.6	314	-iP	02 31 03.8	0.7
			esP	02 31 06.0	0.4				pP	02 31 47.5		3.0	
			eS	02 39 18.0	-1.6				sP	02 32 03.6		0.9	
			eSKS	02 39 51.0	0.6				PP	02 34 19.0		0.7	
			PMZ	$m_B=5.6$		6.0	0.71		S	02 41 13.0		5.1	
			LN			17.0	1.46		SMN	$m_B=5.8$		11.0	1.00
TIY	74.2	317	-iP	02 30 13.0	0.6				sS	02 42 13.5		-8.4	
			PMZ			1.2	0.29		LN			14.0	0.84
			pP	02 30 56.0	3.0			WMQ	93.6	314	P	02 31 51.1	0.2
			sP	02 31 11.5	0.1				pP	02 32 35.0		2.1	
			PP	02 33 06.0	4.9				ePP	02 35 35.0		-5.1	
			S	02 39 36.5	7.4				SKS	02 42 08.0		1.6	
			SMN	$m_B=5.8$		8.5	0.68		S	02 42 31.0		-9.5	
			SME			7.5	0.88		LN			24.0	2.41
			LN			22.0	3.96	KSH	101.0	308	cP	02 32 04.0	-19.5
			LE			17.0	0.81						
XAN	74.6	313	-iP	02 30 14.8	0.1								
			pP	02 30 56.0	0.7								
			sP	02 31 15.0	1.3								

1986 10 23
 O = 03 54 20.4 ± 0.19s
 LAT = 6.11 S ± 1.49km

LONG = 146.39 E ± 2.24km				SNY 52.1 338 -iP 04 03 18.0 -1.1							
DEPTH = 132 km ± 1.99km				pP 04 03 49.0 -0.5							
STATIONS USED = 91, STAND DEV = 1.49s				sP 04 04 02.0 -2.5							
m _B = 5.8 / 31				eS 04 10 29.0 -2.3							
QZH	41.0	320	+iP	04 01 53.8	1.2			SME	m _B = 5.8	7.0	0.84
			PMZ	m _B = 6.0	8.0	2.11		LN		20.0	1.46
			sP	04 02 36.0	-1.3			LE		16.0	1.16
			S	04 07 57.0	2.8			KMI	52.6 308 -iP	04 03 25.0	1.7
			SMN	m _B = 5.6	7.0	0.75		PMZ	m _B = 6.2	4.0	1.40
			sS	04 08 52.0	5.7			pP	04 03 54.0	0.6	
			ScS	04 11 47.0	6.8			sP	04 04 10.0	1.5	
			LE		44.0	5.53		S	04 10 46.0	8.6	
GZH	43.4	313	-P	04 02 14.0	2.0			sS	04 11 34.0	2.4	
			PMZ	m _B = 6.2	5.0	2.36		MDJ	52.7 345 -iP	04 03 23.5	-0.5
			S	04 08 33.0	4.1			pP	04 03 54.0	-0.3	
			SME	m _B = 5.8	10.0	1.75		sP	04 04 06.0	-3.4	
QZN	43.8	306	+P	04 02 15.0	-0.2			eS	04 10 40.0	-0.2	
			pP	04 02 44.0	-0.7			SMN	m _B = 5.6	7.0	0.53
			cS	04 08 37.0	1.2			sS	04 11 32.0	-1.3	
SSE	44.1	328	-P	04 02 18.0	0.2			CN2	53.2 341 -P	04 03 26.0	-1.3
			PMZ		1.0	0.27		PMZ	m _B = 5.8	6.0	0.90
			cpP	04 02 46.0	-1.4			pP	04 03 55.0	-2.8	
			sP	04 02 59.0	-3.7			cS	04 10 42.0	-4.4	
			ePP	04 04 02.0	-1.4			SME	m _B = 5.6	8.0	0.60
			cS	04 08 40.0	-0.5			sS	04 11 30.0	-9.5	
			SMN	m _B = 5.3	8.0	0.42		SS	04 14 18.0	-7.6	
			esS	04 09 33.0	0.7			XAN	53.4 321 -iP	04 03 28.0	-1.0
NJ2	46.1	327	-iP	04 02 34.0	0.4			pP	04 03 59.5	0.1	
			PMZ	m _B = 6.1	5.0	1.40		sP	04 04 13.0	-1.4	
			sP	04 03 20.0	1.4			S	04 10 50.0	1.8	
			S	04 09 12.0	4.1			SMN	m _B = 5.7	8.0	0.82
			SME	m _B = 5.8	6.0	0.90		BJI	53.7 331 cP	04 03 30.0	-1.3
			sS	04 10 06.0	5.0			cpP	04 04 03.0	1.3	
WHN	47.6	322	-P	04 02 45.5	0.1			esP	04 04 15.0	-1.8	
			PMZ	m _B = 6.1	5.0	1.58		eS	04 10 49.0	-4.6	
			pP	04 03 14.0	-1.3			esS	04 11 45.0	-1.8	
			cS	04 09 29.0	-1.1			PMZ	m _B = 5.9	6.0	1.02
			sS	04 10 18.0	-4.5			SMN	m _B = 5.5	9.0	0.59
			LN		10.0	0.74		LN		17.0	0.74
TIA	50.2	329	-P	04 03 04.9	-0.6			TIY	53.9 327 -iP	04 03 30.5	-2.0
			PMZ	m _B = 5.9	7.0	1.16		PMZ	m _B = 6.0	6.0	1.36
			cpP	04 03 38.0	2.4			pP	04 04 01.0	-1.9	
			cS	04 10 02.0	-4.6			S	04 10 49.5	-5.1	
			SMN	m _B = 5.5	9.0	0.63		LN		14.5	0.70
			LN		15.0	1.83		LE		16.0	0.79
			LE		12.0	0.32		CD2	54.9 315 -iP	04 03 40.8	0.6
GYA	50.3	312	-P	04 03 07.0	1.0			PMZ		0.8	0.13
			sP	04 03 50.0	-1.1			sP	04 04 25.5	-0.2	
			PP	04 05 00.0	-3.7			S	04 11 10.0	1.2	
			S	04 10 11.0	4.9			HHC	56.6 329 -P	04 03 52.0	-0.4

			pP	04 04 22.0	-1.0		
BTO	57.2	328	-P	04 03 56.0	-0.8		
			PMZ	$m_B = 5.7$		7.0	0.70
			pP	04 04 26.0	-1.5		
			sP	04 04 40.0	-2.4		
			PP	04 06 04.0	-2.3		
			S	04 11 38.0	-1.4		
			sS	04 12 30.0	-4.4		
LZH	57.9	320	-iP	04 04 01.5	0.0		
			PMZ			1.5	0.20
			sP	04 04 41.0	-6.1		
			cS	04 11 45.0	-4.6		
			SME	$m_B = 5.3$		9.0	0.54
			sS	04 12 49.0	5.9		
GTA	62.4	321	-iP	04 04 32.5	0.1		
			PMZ	$m_B = 5.9$		6.0	1.17
			pP	04 05 03.2	-0.3		
			sP	04 05 17.0	-1.3		
			S	04 12 48.0	1.9		
			SMN	$m_B = 5.2$		12.0	0.59
			sS	04 13 35.5	-6.3		
			LN			18.0	0.89
WMQ	72.5	320	P	04 05 35.0	-0.1		
			pP	04 06 14.0	7.0		
			S	04 14 48.5	2.6		
			SMN	$m_B = 5.6$		8.0	0.68
			ScS	04 15 26.0	1.0		
KSH	79.0	312	P	04 06 13.0	1.1		
			pP	04 06 45.0	0.8		
			S	04 16 04.0	7.1		
			SME	$m_B = 6.0$		8.0	1.30

1986 10 23

O = 04 50 28.7 ± 0.09s
 LAT = 33.60 N ± 1.41km
 LONG = 139.15 E ± 1.60km
 DEPTH = 204 km ± 1.39km
 STATIONS USED = 41, STAND DEV = 1.81s

MDJ	13.3	329	cP	04 53 30.2	-0.3		
CN2	14.8	318	-P	04 53 49.0	-0.1		
SNY	14.8	308	cP	04 53 50.2	0.6		
WHN	21.2	269	cP	04 55 00.5	0.9		
TIY	22.1	288	-P	04 55 11.4	3.5		
BTO	24.2	295	cP	04 55 28.0	-0.3		
XAN	25.1	279	cP	04 55 35.0	-1.5		
GYA	28.9	264	-P	04 56 10.0	-1.5		
GTA	32.0	292	P	04 56 36.5	-1.6		
WMQ	40.8	300	P	04 57 54.0	1.4		

1986 10 23

			O = 09 03 14.8	± 0.11s		
			LAT = 11.11 S	± 1.90km		
			LONG = 165.41 E	± 2.83km		
			DEPTH = 32 km	± 0.51km		
			STATIONS USED = 14,	STAND DEV = 3.99s		
SSE	59.7	316	c(P)	09 13 28.0	9.1	
			cS	09 21 24.0	-1.9	
CN2	65.6	329	cP	09 14 09.0	11.3	
XAN	69.9	313	cP	09 14 29.2	3.8	
LZH	74.6	312	cP	09 14 56.0	2.9	
			PMZ			3.0 0.12
GTA	78.9	314	cP	09 15 19.0	1.6	
WMQ	88.9	315	cP	09 15 52.0	-15.1	

1986 10 23

O = 11 05 30.1 ± 0.05s
 LAT = 7.14 S ± 0.77km
 LONG = 129.20 E ± 1.65km
 DEPTH = 130 km ± 0.11km
 STATIONS USED = 33, STAND DEV = 0.90s

SSE	38.8	349	P	11 12 44.2	0.2	
GYA	39.9	328	P	11 12 54.4	0.9	
			PcP	11 14 57.6	1.2	
WHN	40.1	340	cP	11 12 55.5	0.8	
XAN	45.2	336	+P	11 13 35.8	-0.8	
BJI	48.5	347	cP	11 14 01.5	-0.2	
			ePcP	11 15 25.0	-0.7	
SNY	49.0	354	-P	11 14 06.0	0.1	
CN2	50.8	356	cP	11 14 19.0	-0.8	
GTA	53.7	332	+iP	11 14 41.3	-0.2	
WMQ	63.1	327	P	11 15 46.0	-0.6	
KSH	67.5	318	cP	11 16 14.0	-1.3	

1986 10 23

O = 15 48 43.4 ± 0.34s
 LAT = 11.06 S ± 4.85km
 LONG = 165.40 E ± 5.42km
 DEPTH = 21 km ± 1.13km
 STATIONS USED = 81, STAND DEV = 2.71s

			$M_s = 6.6 / 41,$	$m_B = 6.5 / 16$		
QZH	58.0	309	cP	15 58 41.5	3.9	
			S	16 06 40.0	5.6	
			sS	16 06 51.0	3.2	
			SS	16 10 30.0	3.0	
			LN	$M_s = 6.4$		16.0 15.0
SSE	59.6	316	cP	15 58 47.0	-2.0	
			pP	15 58 59.0	2.6	
			PcP	15 59 27.0	-8.0	
			ePP	16 01 02.0	0.3	
			ScP	16 03 28.0	-5.1	

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WHN	64.1	312	cP	18 55 28.0	-2.0				S	19 06 08.0	4.9		
			S	19 04 02.0	0.9				SMN	$m_B=6.1$	10.0	1.74	
			LN	$M_s=5.3$	24.0	1.50	GTA	78.8	314	-iP	18 56 58.5	0.3	
MDJ	64.2	332	+P	18 55 30.5	-0.1				PMZ	$m_B=5.8$	6.5	0.77	
SNY	65.2	327	cP	18 55 35.9	-0.8				PP	18 59 59.9	2.6		
			S	19 04 16.0	2.2				iS	19 06 58.0	6.1		
			LN	$M_s=6.1$	16.0	5.29			SMN	$m_B=6.0$	10.5	1.28	
			LE		14.0	1.52			LN	$M_s=5.6$	13.0	1.27	
TIA	65.4	318	cP	18 55 37.2	-1.0		WMQ	88.9	315	P	18 57 48.8	-0.2	
			cS	19 04 17.0	-0.9				PP	19 01 16.5	-3.1		
			SMN	$m_B=6.0$	10.0	1.68			SKS	19 08 18.0	6.8		
			SME		9.0	0.70			S	19 08 28.5	-1.3		
			LN	$M_s=5.8$	13.0	2.28			LN	$M_s=5.6$	18.0	1.45	
			LE		12.0	0.92	KSH	96.5	309	cP	18 58 25.0	0.9	
CN2	65.6	329	P	18 55 39.0	-0.4				1986 10 23				
			PMZ	$m_B=5.9$	6.0	0.90			O = 21 58 53.0	$\pm 0.11s$			
			PP	18 58 06.0	0.7				LAT = 6.03 S	$\pm 1.10km$			
			cS	19 04 19.0	-1.3				LONG = 149.40 E	$\pm 1.23km$			
			SMN	$m_B=5.8$	8.0	0.90			DEPTH = 58 km	$\pm 0.62km$			
GYA	68.1	304	+P	18 56 00.0	4.5				STATIONS USED = 38, STAND DEV = 1.32s				
			S	19 04 55.0	5.6		SSE	45.7	325	cP	22 07 09.0	-1.6	
			sS	19 05 20.0	9.5				sP	22 07 27.3	-3.5		
			LE	$M_s=5.7$	19.0	2.50			cS	22 13 51.0	2.4		
BJI	68.3	321	cP	18 55 56.0	-0.4				sS	22 14 16.0	3.1		
			cS	19 04 56.0	3.3		WHN	49.5	319	cP	22 07 40.5	0.5	
			SMN	$m_B=5.8$	10.0	1.00	TIA	51.8	327	cP	22 07 57.8	0.3	
			LN	$M_s=5.7$	18.0	2.59	SNY	53.1	336	cP	22 08 05.8	-1.9	
TIY	69.3	317	+P	18 56 03.4	0.4		MDJ	53.5	342	cP	22 08 10.0	-0.1	
			S	19 05 02.5	-1.4		KMI	54.9	306	+P	22 08 36.5	16.4	
			SMN	$m_B=5.9$	11.0	1.13	BJI	55.1	329	cP	22 08 21.5	-0.6	
			SME		14.0	1.21	XAN	55.2	319	cP	22 08 20.8	-2.3	
			LN	$M_s=5.7$	13.5	1.71	CD2	57.0	313	P	22 08 38.5	2.6	
			LE		14.5	0.60	BTO	58.8	326	cP	22 08 48.4	-0.1	
XAN	69.9	313	P	18 56 05.6	-0.6		LZH	59.8	318	cP	22 09 09.5	15.0	
			S	19 05 11.0	0.9		GTA	64.3	319	P	22 09 23.7	-1.8	
			SMN	$m_B=5.9$	11.0	1.38	WMQ	74.4	319	P	22 10 42.0	15.7	
			LN	$M_s=5.7$	12.0	1.28			1986 10 24				
			LE		11.0	0.68			O = 02 42 50.2	$\pm 0.32s$			
KMI	70.8	302	+iP	18 56 13.5	1.3				LAT = 25.30 S	$\pm 2.04km$			
			S	19 05 29.0	8.0				LONG = 70.16 W	$\pm 0.77km$			
			LN	$M_s=5.8$	18.0	3.40			DEPTH = 32 km	$\pm 2.77km$			
HHC	71.6	320	-P	18 56 17.6	0.7				STATIONS USED = 36, STAND DEV = 2.31s				
CD2	72.3	308	+iP	18 56 21.1	0.1		KSH	148.3	55	cPKP	03 02 33.0	1.9	
			S	19 05 44.6	6.0		WMQ	154.2	39	PKP	03 02 38.9	-0.9	
BTO	72.5	319	cP	18 56 22.0	0.0		GTA	163.6	29	-PKP	03 02 50.7	-0.2	
			cS	19 05 42.0	0.0		LZH	168.1	24	cPKP	03 02 55.5	0.9	
			LN	$M_s=5.8$	16.0	1.80			PMZ		2.5	0.070	
			LE		15.0	2.00	XAN	171.3	5	PKP	03 02 56.4	0.0	
LZH	74.5	312	P	18 56 35.0	1.1								
			PMZ		2.3	0.25							

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			eS	03 16 17.0	-5.3							pP	03 09 46.2	-1.9				
			SMN		$m_B = 5.7$	10.0	0.78					iS	03 18 32.0	5.0				
			SME			8.0	0.57					SMN		$m_B = 6.2$	8.0	2.29		
			esS	03 16 46.0	5.0							sS	03 18 46.0	0.4				
			eSS	03 20 04.0	-7.9							LE		$M_s = 6.0$	20.0	5.24		
			LN		$M_s = 5.7$	18.0	3.28	WMQ	77.2	317		P	03 10 28.0	-9.1				
XAN	58.1	316	P	03 08 36.4	-0.6							PMZ			2.5	1.23		
			PMZ		$m_B = 6.4$	7.0	3.50					S	03 20 25.5	4.8				
			S	03 16 28.0	-4.1							SMN		$m_B = 6.4$	7.0	2.01		
			SMN		$m_B = 6.4$	8.0	3.50					LN		$M_s = 5.9$	28.0	5.21		
			SME			8.0	1.84	KSH	84.4	310		+P	03 11 18.0	2.7				
			LN		$M_s = 6.3$	20.0	9.06					sP	03 11 32.0	1.0				
			LE			20.0	11.8					PS	03 22 49.0					
KMI	58.5	304	+iP	03 08 41.0	0.8							LE		$M_s = 6.5$	10.0	5.70		
			PMZ		$m_B = 6.3$	8.0	2.90											
			PP	03 10 49.0	-1.4													
			iS	03 16 42.0	2.5													
			SMN		$m_B = 6.1$	12.0	3.20											
			sS	03 17 06.0	8.2													
			LN		$M_s = 6.1$	20.0	9.30											
CD2	60.2	310	eP	03 08 50.8	-1.2													
			sP	03 09 08.0	0.5													
			S	03 17 04.5	4.4													
			LE		$M_s = 6.4$	14.0	13.1											
HHC	60.4	324	+P	03 08 54.0	0.7													
			PMZ		$m_B = 6.4$	6.0	2.76											
			eS	03 17 01.5	-2.4													
			SME		$m_B = 6.1$	10.0	2.63											
			LN		$M_s = 6.1$	19.0	7.58	SSE	59.3	316		eP	05 37 35.0	-1.1				
BTO	61.2	323	eP	03 08 59.0	0.6							PMZ			1.0	0.050		
			PMZ		$m_B = 6.3$	7.0	2.60					iS	05 45 38.0	-1.0				
			sP	03 09 16.0	2.1							SMN			13.0	1.80		
			PcP	03 09 43.0	3.4							LN		$M_s = 5.6$	14.0	1.82		
			cPP	03 11 15.0	0.6													
			S	03 17 11.0	-1.2													
			sS	03 17 39.0	6.8													
			ScS	03 18 40.0	-1.2													
			SS	03 21 13.0	-0.9													
			LN		$M_s = 5.9$	16.0	3.10											
			LE			17.0	2.80											
LZH	62.7	315	-iP	03 09 09.5	0.9													
			PMZ			1.5	0.84											
			pP	03 09 23.0	3.4													
			PP	03 11 18.0	-9.2													
			S	03 17 38.0	6.8													
			SMN		$m_B = 6.2$	8.0	2.67	WHN	63.8	312		eP	05 38 05.5	-0.9				
			LN		$M_s = 6.1$	20.0	4.00					pP	05 38 18.0	-1.7				
			LE			20.0	7.69					S	05 46 34.0	-0.9				
GTA	67.1	317	+iP	03 09 37.5	0.5							SS	05 50 48.0	2.9				
			PMZ		$m_B = 6.5$	6.5	3.63					LN		$M_s = 5.7$	16.0	2.52		

1986 10 24
 O = 05 27 36.4 ± 0.09s
 LAT = 10.96 S ± 1.93km
 LONG = 165.07 E ± 1.75km
 DEPTH = 52 km ± 0.93km
 STATIONS USED = 82, STAND DEV = 1.24s
 $M_s = 5.8 / 34,$ $m_B = 6.0 / 19$

QZH	57.7	309	eP	05 37 25.6	1.0													
			PMZ		$m_B = 6.4$	8.0	3.57											
			pP	05 37 34.0	-3.7													
			S	05 45 24.0	7.8													
			SMN		$m_B = 5.8$	6.0	0.84											
			LN		$M_s = 5.5$	16.0	1.93											
			eP	05 37 35.0	-1.1													
			PMZ			1.0	0.050											
			iS	05 45 38.0	-1.0													
			SMN			13.0	1.80											
			LN		$M_s = 5.6$	14.0	1.82											
			+P	05 37 48.0	1.2													
			LN		$M_s = 5.6$	24.0	3.11											
			+P	05 37 51.0	0.2													
			S	05 46 05.0	-0.5													
			SMN			17.0	3.60											
			SME			17.0	2.20											
			LN		$M_s = 5.9$	13.0	3.20											
QZN	62.1	298	P	05 37 55.0	0.4													
			PP	05 40 20.0	7.4													
			S	05 46 11.0	-1.6													
			cSS	05 50 14.0	-3.4													
			LE		$M_s = 5.5$	11.0	1.20											
			eP	05 38 05.5	-0.9													
			pP	05 38 18.0	-1.7													
			S	05 46 34.0	-0.9													
			SS	05 50 48.0	2.9													
			LN		$M_s = 5.7$	16.0	2.52											

MDJ	64.0	333	cP	05 38 11.3	4.1				SME	$m_B = 5.9$	12.0	1.70		
			PMZ		$m_B = 6.2$	7.0	1.96		LN	$M_S = 5.5$	14.0	1.25		
			sP	05 38 30.0	4.0			CD2	72.0	308	cP	05 38 57.7	0.2	
			PcP	05 38 47.0	5.9						PP	05 41 46.0	7.7	
			S	05 46 40.0	3.6						S	05 48 14.0	1.4	
			SS	05 50 50.0	3.0						LE	$M_S = 5.8$	21.0	3.30
SNY	64.9	327	-P	05 38 12.0	-1.3			BTO	72.2	319	cP	05 38 59.0	0.4	
			S	05 46 44.0	-3.9						pP	05 39 12.0	0.2	
			SMN			18.0	2.97				S	05 48 14.0	-0.4	
			SME			15.0	2.21				sS	05 48 35.0	-3.7	
			LN		$M_S = 6.0$	16.0	4.47				SS	05 52 54.0	-0.5	
			LE			18.0	2.58				LN	$M_S = 5.9$	16.0	1.60
TIA	65.1	319	cP	05 38 13.4	-1.3						LE		16.0	2.50
			PMZ		$m_B = 6.0$	8.0	1.45	LZH	74.2	312	cP	05 39 12.5	2.0	
			cS	05 46 57.0	5.2						PMZ		2.0	0.14
			SMN			13.0	1.71				pP	05 39 21.0	-2.6	
			SME			12.0	1.03				S	05 48 47.0	9.8	
			LN		$M_S = 5.7$	14.0	1.33				SME	$m_B = 6.0$	10.0	1.59
			LE			15.0	1.87				LN	$M_S = 5.6$	18.0	1.18
CN2	65.3	329	cP	05 38 15.0	-1.1						LE		22.0	1.57
			PP	05 40 40.0	-1.1			GTA	78.5	314	-P	05 39 35.3	0.4	
			cS	05 46 47.0	-7.5						PMZ	$m_B = 5.8$	12.0	1.69
			SMN		$m_B = 5.9$	12.0	1.20				S	05 49 30.0	5.7	
			SME			12.0	1.30				SMN	$m_B = 6.0$	12.0	1.44
GYA	67.8	304	P	05 38 32.6	0.6						LN	$M_S = 5.7$	14.0	1.48
			pP	05 38 47.0	1.8			WMQ	88.6	315	P	05 40 26.6	0.7	
			S	05 47 31.0	7.7						PP	05 43 53.0	-2.5	
			LN		$M_S = 5.9$	18.0	3.50				S	05 51 04.5	0.1	
			LE			18.0	2.10				LN	$M_S = 5.7$	20.0	1.79
BJI	68.0	321	cP	05 38 32.0	-1.0			KSH	96.2	309	cP	05 41 04.0	3.0	
			cS	05 47 25.0	-1.7						pP	05 41 17.0	2.5	
			SMN			13.0	1.43				cPP	05 44 59.0	3.7	
			SME			12.0	0.78				cS	05 52 16.0	2.8	
			LN		$M_S = 5.6$	18.0	2.24				LN	$M_S = 5.9$	13.0	1.50
TIY	69.1	318	-P	05 38 39.0	-0.6			1986 10 24						
			pP	05 38 49.5	-3.3			O = 05 53 17.8 \pm 0.08s						
			S	05 47 46.5	8.6			LAT = 10.86 S \pm 2.40km						
			SMN			28.0	9.21	LONG = 165.26 E \pm 1.76km						
			SME			27.0	10.6	DEPTH = 34 km \pm 0.65km						
			LN		$M_S = 5.9$	14.0	2.41	STATIONS USED = 81, STAND DEV = 1.07s						
			LE			15.0	1.90	$M_S = 5.8 / 24,$ $m_B = 6.1 / 12$						
XAN	69.6	313	-P	05 38 42.0	-0.8			QZH	57.8	309	cP	06 03 09.0	0.5	
			cS	05 47 37.0	-8.6						PMZ	$m_B = 6.1$	6.0	1.35
			SMN		$m_E = 5.9$	12.0	1.53				S	06 11 04.0	1.4	
			SME			12.0	0.81				SMN	$m_B = 6.1$	8.0	1.88
			LN		$M_S = 5.5$	15.0	1.20				sS	06 11 12.0	-7.9	
KMI	70.5	302	-P	05 38 49.0	0.3						LN	$M_S = 5.8$	18.0	4.72
			pP	05 39 03.0	1.3			SSE	59.4	316	+P	06 03 19.5	-0.3	
			LN		$M_S = 5.8$	18.0	3.20				PMZ		1.2	0.080
HHC	71.3	320	P	05 38 54.5	1.0									

SNY	88.8	320	-P	10 25 36.2	-0.3
CN2	89.1	322	cP	10 25 36.7	-1.0
TIA	89.3	312	cP	10 25 43.7	4.9
BJI	92.1	315	(P)	10 25 52.0	0.0
CD2	95.9	302	cP	10 26 09.7	0.6

1986 10 24

O = 10 17 29.1 ± 0.10s
 LAT = 19.32 N ± 1.54km
 LONG = 146.49 E ± 2.88km
 DEPTH = 93 km ± 0.98km
 STATIONS USED = 41, STAND DEV = 1.79s

SSE	25.7	302	cP	10 22 51.5	-0.6
SNY	29.7	324	-P	10 23 31.8	3.0
TIA	30.8	309	cP	10 23 42.7	4.3
BJI	33.2	315	cP	10 23 58.0	-1.5
TIY	34.8	309	cP	10 24 14.8	1.3
XAN	36.4	301	cP	10 24 27.0	0.2
GYA	37.3	288	P	10 24 34.6	0.6
LZH	40.9	303	cP	10 25 07.0	2.5
GTA	44.8	307	-P	10 25 35.3	-0.4
WMQ	54.5	310	P	10 26 50.5	0.6

1986 10 24

O = 11 00 46.3 ± 0.14s
 LAT = 51.37 N ± 2.09km
 LONG = 176.75 W ± 1.20km
 DEPTH = 35 km ± 1.24km
 STATIONS USED = 59, STAND DEV = 1.24s

CN2	38.8	282	+P	11 08 08.4	-1.6
SNY	41.0	281	+iP	11 08 29.2	0.7
DL2	44.0	279	P	11 08 52.4	0.0
BJI	46.6	283	cP	11 09 13.5	-0.1
HHC	48.9	287	cP	11 09 31.4	-0.3
SSE	49.3	271	P	11 09 35.3	1.0
			PMZ		1.0 0.020
			eS	11 16 36.0	-1.2
BTO	50.0	288	P	11 09 40.8	0.8
NJ2	50.1	273	cP	11 09 40.0	-0.5
TIY	50.4	283	+iP	11 09 43.8	1.1
			PMZ		1.0 0.080
WHN	53.9	275	cP	11 10 08.0	-1.4
XAN	54.9	282	+iP	11 10 16.0	-0.6
LZH	56.6	288	P	11 10 30.0	1.0
			PMZ		1.5 0.10
GTA	56.8	293	P	11 10 28.5	-1.5
CD2	60.2	283	+iP	11 10 53.4	-0.7
GYA	61.6	278	P	11 11 04.0	0.6

1986 10 24

O = 15 03 47.8 ± 0.22s
 LAT = 10.92 S ± 2.43km
 LONG = 165.12 E ± 4.03km
 DEPTH = 35 km ± 1.88km
 STATIONS USED = 33, STAND DEV = 1.46s

SSE	59.3	316	cP	15 13 50.0	0.8
			cS	15 21 52.0	-1.9
NJ2	61.5	316	cP	15 13 58.0	-6.0
MDJ	63.9	332	cP	15 14 20.0	-0.2
CN2	65.3	329	+P	15 14 28.5	-0.6
GYA	67.8	304	cP	15 14 47.0	1.8
BJI	68.0	321	cP	15 14 45.0	-1.1
TIY	69.0	318	cP	15 14 51.0	-1.7
XAN	69.6	313	cP	15 14 55.0	-0.9
KMI	70.5	302	+P	15 15 03.0	1.1
CD2	72.0	308	cP	15 15 10.9	0.1
BTO	72.2	319	cP	15 15 11.0	-0.7
LZH	74.2	312	cP	15 15 25.0	1.2
GTA	78.5	314	-P	15 15 48.2	0.1
WMQ	88.6	315	cP	15 16 49.5	11.5

1986 10 24

O = 17 48 01.2 ± 0.14s
 LAT = 11.27 S ± 2.02km
 LONG = 165.54 E ± 2.89km
 DEPTH = 34 km ± 0.91km
 STATIONS USED = 37, STAND DEV = 1.95s

Ms = 5.0 / 2,

SSE	59.9	316	cP	17 58 05.0	-1.5
			cS	18 06 10.0	-4.6
WHN	64.4	312	cP	17 58 36.5	-0.2
CN2	65.8	329	cP	17 58 44.5	-1.5
GYA	68.4	304	P	17 59 03.0	0.8
BJI	68.5	321	cP	17 59 02.5	-0.5
TIY	69.6	317	cP	17 59 10.0	0.4
			LN		Ms = 4.8 16.0 0.26
XAN	70.1	312	cP	17 59 12.4	-0.5
KMI	71.1	302	+P	17 59 20.0	1.2
CD2	72.6	307	cP	17 59 28.3	0.7
BTO	72.7	319	cP	17 59 29.6	1.0
LZH	74.8	312	P	17 59 43.0	2.5
			PMZ		2.0 0.060
GTA	79.1	314	+P	18 00 05.4	0.7
WMQ	89.1	315	P	18 00 55.5	0.1

1986 10 24

O = 21 09 46.7 ± 0.11s
 LAT = 5.61 S ± 1.26km
 LONG = 154.01 E ± 1.89km
 DEPTH = 58 km ± 1.06km

STATIONS USED = 28, STAND DEV = 1.61s

WHN	52.3	316	cP	21 18 55.5	0.6
XAN	58.0	316	+iP	21 19 36.3	-0.5
KMI	58.4	304	+P	21 19 40.5	0.8
CD2	60.2	310	+iP	21 19 53.0	1.4
LZH	62.7	316	P	21 20 09.5	1.1
			PMZ		1.0 0.040
GTA	67.1	317	+iP	21 20 37.5	0.6
WMQ	77.2	317	P	21 21 37.3	0.5
KSH	84.4	310	cP	21 22 18.0	3.1
			PP	21 25 28.0	-2.5
			cS	21 32 35.0	0.0

LONG = 176.03 W ± 3.12km
DEPTH = 38 km ± 0.84km
STATIONS USED = 43, STAND DEV = 1.54s

SSE	83.4	310	cP	01 59 50.0	-1.8
			cS	02 10 06.0	-3.3
			sS	02 10 24.0	-3.0
NJ2	85.6	309	-P	02 00 03.0	0.4
MDJ	87.1	324	cP	02 00 09.5	-0.5
WHN	87.9	306	cP	02 00 13.5	-0.4
			cSKS	02 10 42.0	6.4
			cS	02 10 52.0	-0.8
SNY	88.5	319	cP	02 00 14.2	-2.8
CN2	88.8	322	+P	02 00 16.8	-1.2
TIA	89.2	312	-P	02 00 20.2	0.2
GYA	91.5	299	P	02 00 31.8	0.6
BJI	92.0	315	cP	02 00 32.0	-1.0
			cSKS	02 11 07.0	7.2
TIY	93.1	311	cP	02 00 39.0	0.6
			S	02 11 37.0	-1.0
			sS	02 11 54.0	-3.7
XAN	93.6	306	cP	02 00 40.2	-0.6
KMI	94.0	296	+P	02 00 43.0	0.5
CD2	95.9	302	cP	02 00 51.4	0.3
GTA	102.6	308	cP	02 01 21.6	0.1

1986 10 24

O = 22 35 34.7 ± 0.11s
LAT = 27.61 S ± 2.71km
LONG = 176.01 W ± 2.65km
DEPTH = 46 km ± 0.75km
STATIONS USED = 47, STAND DEV = 1.58s

$m_B = 5.7 / 3$

SSE	83.6	310	cP	22 48 00.0	-0.4
			cSKS	22 58 15.0	1.0
GZH	84.8	299	cP	22 48 07.0	0.8
NJ2	85.8	309	-P	22 48 12.0	0.8
MDJ	87.3	324	cP	22 48 18.0	-0.9
			pP	22 48 32.0	0.9
			S	22 58 48.0	-4.5
			SME	$m_B = 5.6$	12.0 0.68
WHN	88.1	306	cP	22 48 22.5	0.1
SNY	88.8	319	cP	22 48 23.9	-1.8
			cS	22 59 00.0	-7.7
			SMN		15.0 0.65
CN2	89.0	322	cP	22 48 25.0	-1.8
			pP	22 48 38.0	-1.1
TIA	89.4	312	cP	22 48 29.0	0.4
GYA	91.7	299	P	22 48 40.6	1.0
BJI	92.2	315	cP	22 48 42.0	0.4
			cSKS	22 59 12.5	4.8
			SMN	$m_B = 5.7$	9.0 0.67
TIY	93.3	311	cP	22 48 50.8	3.8
			SKS	22 59 22.5	8.3
			SMN	$m_B = 5.7$	9.0 0.62
			PS	23 01 27.0	
XAN	93.8	306	cP	22 48 50.2	1.0
CD2	96.1	302	cP	22 48 55.3	-4.2
GTA	102.8	308	cP	22 49 32.0	2.1

1986 10 25

O = 05 13 04.8 ± 0.08s
LAT = 17.51 S ± 1.67km
LONG = 178.92 W ± 1.25km
DEPTH = 539 km ± 1.13km
STATIONS USED = 33, STAND DEV = 2.27s

NJ2	77.3	310	-P	05 24 06.5	0.9
MDJ	77.6	325	+iP	05 24 07.5	0.4
CN2	79.4	323	+P	05 24 16.8	0.0
WHN	80.0	306	cP	05 24 20.0	0.3
BJI	83.2	316	cP	05 24 36.0	0.0
GYA	84.4	300	P	05 24 43.2	0.9
XAN	85.6	308	+P	05 24 48.0	-0.1
LZH	90.3	308	cP	05 25 11.0	1.1
GTA	94.4	310	P	05 25 18.6	-10.3

1986 10 25

O = 05 50 26.5 ± 0.12s
LAT = 38.80 N ± 0.94km
LONG = 115.93 E ± 0.97km
DEPTH = 21 km ± 0.24km
STATIONS USED = 7, STAND DEV = 4.53s

$M_L = 3.0 / 6,$

TIA	2.8	159	cPn	05 51 06.5	-3.5
			Sn	05 51 41.4	-3.1

			SMN	$M_L = 2.9$	0.4	0.040
			SME		0.4	0.080
TIY	3.0	249	cPg	05 51 18.8	-0.2	
			Sg	05 52 05.5	6.1	
			SMN	$M_L = 2.8$	0.7	0.020
			SME		0.6	0.050

1986 10 25

O = 16 17 02.4 ± 0.05s

LAT = 2.53 S ± 0.62km

LONG = 102.31 E ± 0.60km

DEPTH = 180 km ± 0.56km

STATIONS USED = 27, STAND DEV = 0.74s

GYA	29.1	8	-P	16 22 49.6	0.5
CD2	33.3	2	cP	16 23 24.8	-0.4
XAN	36.9	9	-P	16 23 55.8	-0.1
LZH	38.4	2	cP	16 24 10.0	1.1
GTA	41.8	357	+iP	16 24 37.0	0.6
WMQ	48.0	346	P	16 25 25.0	-0.4
KSH	48.3	333	cP	16 25 28.0	0.2
CN2	50.6	22	cP	16 25 45.0	-0.2

1986 10 25

O = 07 05 47.9 ± 0.06s

LAT = 27.92 S ± 1.69km

LONG = 176.13 W ± 1.15km

DEPTH = 33 km ± 0.10km

STATIONS USED = 35, STAND DEV = 0.80s

$M_s = 5.4 / 2,$

1986 10 25

O = 17 03 44.7 ± 0.08s

LAT = 1.80 N ± 1.09km

LONG = 127.49 E ± 1.82km

DEPTH = 112 km ± 0.68km

STATIONS USED = 45, STAND DEV = 1.18s

SSE	83.7	310	P	07 18 15.7	-0.1
			cSKS	07 28 32.0	0.8
NJ2	85.9	309	-P	07 18 27.0	0.4
MDJ	87.5	325	cP	07 18 34.0	-0.6
WHN	88.2	306	cP	07 18 37.5	-0.2
SNY	88.9	320	cP	07 18 41.2	-0.1
			cS	07 29 29.0	3.4
CN2	89.2	322	cP	07 18 41.0	-1.5
TIA	89.5	312	cP	07 18 44.2	0.2
			LN	$M_s = 5.4$	10.5 0.48
GYA	91.8	299	P	07 18 55.0	0.4
BJI	92.3	315	cP	07 18 57.0	-0.1
			cSKS	07 29 30.0	5.0
TIY	93.5	311	cP	07 19 02.5	0.1
			SKS	07 29 31.5	0.1
			sS	07 30 20.0	-1.8
XAN	93.9	307	cP	07 19 04.8	0.3
KMI	94.2	296	cP	07 19 05.0	-0.8
CD2	96.2	302	cP	07 19 15.2	0.5

QZN	24.3	316	P	17 08 54.2	0.8
GZH	25.2	328	cP	17 09 02.0	0.1
GYA	31.6	323	cP	17 10 01.0	1.2
XAN	36.5	334	-iP	17 10 41.2	0.2
CD2	36.6	325	cP	17 10 42.5	0.0
TIY	38.3	341	+P	17 10 57.4	0.8
BJI	39.4	346	cP	17 11 06.0	0.4
			epP	17 11 35.0	4.2
SNY	40.0	355	-P	17 11 28.5	18.7
LZH	40.5	330	-iP	17 11 16.5	1.5
			PMZ		1.4 0.090
MDJ	42.7	2	cP	17 11 31.2	-1.1
GTA	45.1	329	-iP	17 11 52.8	0.6
			ScP	17 17 12.4	1.3
WMQ	54.7	325	P	17 13 05.5	0.2

1986 10 25

O = 12 14 49.3 ± 0.11s

LAT = 25.38 N ± 0.73km

LONG = 102.66 E ± 0.80km

DEPTH = 7 km ± 0.57km

STATIONS USED = 7, STAND DEV = 4.15s

$M_L = 4.0 / 3,$

1986 10 25

O = 20 47 01.7 ± 0.09s

LAT = 17.65 S ± 1.47km

LONG = 168.20 E ± 2.01km

DEPTH = 31 km ± 0.42km

STATIONS USED = 88, STAND DEV = 0.98s

$M_s = 5.8 / 33,$

KMI	0.3	165	-iPg	12 14 55.0	0.6
			Sg	12 15 00.0	2.2
			SMN	$M_L = 4.0$	1.0 19.4
			SME		1.0 15.7
GYA	3.8	72	cPg	12 15 51.8	-4.1
			Sn	12 16 34.8	0.3
			SMN	$M_L = 3.0$	1.0 0.040
			SME		1.0 0.030
CD2	5.6	10	cPn	12 16 14.1	0.8

$m_B = 6.3 / 44$

QZH	64.2	310	cP	20 57 24.5	-11.4
			PMZ	$m_B = 6.6$	4.0 3.42
			S	21 06 11.0	1.2
			SMN	$m_B = 5.9$	9.0 1.27
			sS	21 06 31.0	4.7

			LN	Ms = 5.8	20.0	2.77			cPP	21 01 04.0	-2.8		
			LE		20.0	2.33			cS	21 07 44.5	-0.5		
SSE	66.2	317	+iP	20 57 48.0	-1.5				SMN	m _B = 6.0		9.0	0.99
			PMZ	m _B = 6.1		4.0	0.93		SME			8.0	0.52
			pP	20 57 58.0	-0.8				cSS	21 12 30.0	7.3		
			sP	20 58 02.0	-0.6				LN	Ms = 5.8		17.0	2.02
			PcP	20 58 18.0	-0.6				LE			17.0	2.03
			S	21 06 32.0	-2.3			SNY	72.1	327	+iP	20 58 25.0	-0.7
			sS	21 06 50.0	-0.8				PMZ	m _B = 6.6		4.0	3.39
			ScS	21 07 42.0	2.9				pP	20 58 35.0	0.1		
			eSS	21 10 48.0	-3.9				PP	21 01 08.0	1.1		
			LN	Ms = 5.8		22.0	3.79		S	21 07 47.5	3.8		
GZH	67.2	305	+P	20 57 56.0	0.6				SMN	m _B = 6.0		8.0	1.10
			pP	20 58 07.0	2.4				SME			9.0	0.62
			S	21 06 50.0	4.5				sS	21 08 05.0	4.7		
			SMN	m _B = 5.8		11.0	0.88		LN	Ms = 5.7		20.0	2.43
			SME			9.0	0.59		LE			20.0	0.96
			LN	Ms = 5.6		24.0	2.80	CN2	72.6	329	+iP	20 58 28.0	-0.6
QZN	67.9	300	P	20 58 00.0	-0.3				PMZ	m _B = 6.6		5.0	3.70
			PMZ	m _B = 6.1		6.0	1.50		pP	20 58 38.0	0.3		
			PP	21 00 27.5	-3.9				cS	21 07 50.0	-0.6		
			S	21 06 55.0	0.3				SMN	m _B = 5.9		9.0	1.00
			LE	Ms = 5.5		16.0	1.40	GYA	74.1	305	P	20 58 37.4	-0.2
NJ2	68.4	316	+iP	20 58 02.0	-1.0				PMZ	m _B = 6.4		5.0	2.60
			PMZ	m _B = 6.4		6.0	2.70		pP	20 58 48.0	1.5		
			S	21 07 00.0	0.0				PcP	20 58 53.0	1.1		
			LN	Ms = 5.6		10.0	1.20		PP	21 01 24.0	0.2		
WHN	70.6	312	+iP	20 58 16.0	-0.3				S	21 08 03.0	-3.1		
			PMZ	m _B = 6.6		4.0	2.90		LE	Ms = 5.9		20.0	4.40
			PP	21 00 56.0	2.0			BJI	75.1	321	+iP	20 58 43.0	-0.1
			S	21 07 24.0	-1.6				PMZ	m _B = 6.6		5.0	3.62
			SMN	m _B = 5.7		9.0	0.71		pP	20 58 53.0	0.8		
			SS	21 11 56.0	-3.1				cS	21 08 20.0	1.4		
			LE	Ms = 5.7		21.0	3.13		cSS	21 13 16.0	7.5		
DL2	71.2	323	+iP	20 58 20.0	0.0				LN	Ms = 5.7		20.0	2.36
			pP	20 58 30.0	0.8			TIY	76.0	317	+iP	20 58 48.9	0.4
			PcP	20 58 40.0	0.7				PMZ	m _B = 6.6		5.0	4.14
MDJ	71.3	332	+iP	20 58 20.2	-0.4				sP	20 59 04.0	2.7		
			PMZ	m _B = 6.7		4.0	4.21		S	21 08 32.5	5.4		
			pP	20 58 30.2	0.4				SMN	m _B = 6.0		10.0	0.76
			sP	20 58 37.0	3.3				SME			10.5	0.90
			PP	21 00 56.0	-4.1				SKS	21 08 53.5	2.9		
			S	21 07 32.0	-1.8				LN	Ms = 5.8		18.0	2.17
			sS	21 07 50.0	-0.3				LE			18.0	1.89
			PS	21 08 03.0				XAN	76.3	313	+iP	20 58 50.0	-0.2
			SKS	21 08 14.0	-1.9				PMZ	m _B = 6.5		5.0	2.96
			SS	21 12 06.0	-4.1				pP	20 59 00.5	1.3		
			LN	Ms = 5.7		30.0	3.62		S	21 08 30.0	-0.5		
TIA	72.1	319	+P	20 58 25.0	-0.7				LN	Ms = 5.8		20.0	2.72
			PMZ	m _B = 6.3		6.0	2.51		LE			20.0	1.82

KMI	76.6	302	+iP	20 58 53.0	1.0					LONG = 88.24 E	± 1.66km
			PMZ		$m_B = 6.5$	4.0	2.80			DEPTH = 33 km	± 0.08km
			S	21 08 39.0	5.3					STATIONS USED = 18,	STAND DEV = 3.31s
			LE		$M_s = 5.5$	20.0	1.45				
HHC	78.4	320	+iP	20 59 02.5	0.7					KMI	13.1 92 -P 21 28 36.0 -1.6
			pP	20 59 12.0	1.2					GTA	16.3 34 cP 21 29 13.2 -5.8
			sP	20 59 16.5	1.9					GYA	16.5 85 P 21 29 24.0 2.4
			S	21 08 52.0	-0.8					WMQ	17.5 359 P 21 29 34.0 -0.3
			SMN		$m_B = 6.1$	9.0	1.00			XAN	19.5 62 cP 21 29 57.6 0.0
			SME			10.0	1.10			QZN	21.2 105 cP 21 30 18.5 2.9
			LN		$M_s = 5.5$	15.0	0.80			TIY	23.4 55 c(P) 21 30 45.9 8.1
			LE			17.0	1.00				
CD2	78.5	308	+iP	20 59 02.4	0.1					1986 10 26	
			PMZ		$m_B = 6.5$	5.0	3.35			O = 00 59 23.2	± 0.13s
			pP	20 59 12.0	0.6					LAT = 5.61 S	± 2.11km
			S	21 08 57.5	3.5					LONG = 154.14 E	± 2.40km
			LE		$M_s = 5.9$	30.0	5.10			DEPTH = 54 km	± 1.11km
BTO	79.2	319	+iP	20 59 06.7	0.4					STATIONS USED = 79,	STAND DEV = 1.48s
			PMZ		$m_B = 6.4$	6.0	2.60			$M_s = 4.9 / 14,$	$m_B = 5.7 / 6$
			pP	20 59 18.0	2.7					QZH	46.0 313 +iP 01 07 44.3 0.6
			PP	21 02 10.0	3.5					S	01 14 30.0 7.1
			S	21 09 04.0	2.5					LN	$M_s = 4.7$ 10.0 0.26
			sS	21 09 24.0	5.7					SSE	48.2 321 cP 01 08 01.3 0.5
			SS	21 14 15.0	4.0					sP	01 08 16.0 -3.9
			LN		$M_s = 5.9$	23.0	3.00			S	01 15 01.0 7.2
			LE			23.0	2.90			LN	$M_s = 5.0$ 20.0 0.48
LZH	80.9	312	+iP	20 59 16.5	0.8					LE	24.0 1.14
			PMZ		$m_B = 6.4$	7.0	2.94			GZH	49.0 307 +P 01 08 08.8 1.8
			PP	21 02 20.0	-1.4					pP	01 08 17.0 -3.4
			SME		$m_B = 6.0$	11.0	1.25			eS	01 15 10.0 3.9
			LE		$M_s = 5.8$	20.0	2.94			LE	$M_s = 5.4$ 22.0 2.78
GTA	85.3	314	+iP	20 59 38.6	0.6					QZN	50.0 300 P 01 08 15.8 0.9
			PMZ		$m_B = 6.4$	6.0	2.26			sP	01 08 33.0 -1.0
			pP	20 59 50.2	3.2					eS	01 15 27.0 6.7
			S	21 10 01.0	-2.8					LE	$M_s = 5.0$ 17.0 0.80
			SME		$m_B = 5.9$	12.0	1.45			NJ2	50.3 320 +P 01 08 17.5 0.5
			sS	21 10 18.0	-2.7					PMZ	$m_B = 6.0$ 4.0 0.70
			SS	21 15 36.0	-5.9					S	01 15 29.0 5.8
			LE		$M_s = 5.9$	20.0	2.94			WHN	52.4 316 +P 01 08 33.0 0.5
WMQ	95.4	314	+iP	21 00 25.5	0.2					eS	01 15 53.0 0.6
			sP	21 00 40.3	2.1					LE	$M_s = 4.8$ 26.0 0.70
KSH	102.7	308	P	21 01 01.0	2.8					TIA	54.2 323 cP 01 08 45.0 -0.8
			sP	21 01 16.0	5.0					eS	01 16 14.0 -2.9
			PP	21 05 11.0	-2.4					LN	$M_s = 4.9$ 13.0 0.44
			SKS	21 11 38.0	5.1					MDJ	54.6 339 cP 01 08 48.0 -1.4
			cS	21 12 42.0	3.9					SNY	54.8 332 +P 01 08 50.0 -0.7
										S	01 16 19.0 -5.7
										LN	$M_s = 5.0$ 21.0 0.68
										LE	22.0 0.62
										CN2	55.6 335 P 01 08 54.9 -1.3
										GYA	55.9 307 +P 01 08 59.6 0.7

1986 10 25

O = 21 25 30.5 ± 0.20s
LAT = 26.26 N ± 2.90km

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			ScS	05 02 59.0	4.2		
CD2	63.6	287	+iP	04 53 37.2	0.4		
			pP	04 54 26.0	-0.8		
			S	05 01 56.0	5.1		
GZH	63.9	274	cP	04 53 39.0	0.4		
GYA	65.3	281	-P	04 53 47.8	0.2		
			pP	04 54 36.0	-1.8		
			S	05 02 15.0	3.7		
KMI	68.6	283	-P	04 54 08.5	0.1		
			pP	04 54 58.0	-0.9		
			S	05 02 56.0	5.3		
			sS	05 04 16.0	-4.0		
QZN	69.1	274	P	04 54 12.5	1.1		
1986 10 26							
O=20 56 42.9				± 0.15s			
LAT=25.79 N				± 1.28km			
LONG=102.97 E				± 1.25km			
DEPTH= 16 km				± 0.24km			
STATIONS USED = 50,				STAND DEV = 2.17s			
Ms=4.6 / 22,				M _L =4.4 / 6,			
KMI	0.7	197	+iPg	20 56 55.0	-0.7		
			Sg	20 57 05.0	-0.2		
			SMN			2.0	26.7
			SME			2.0	28.4
GYA	3.4	78	Pn	20 57 39.0	3.3		
			Pg	20 57 51.0	8.3		
			Sn	20 58 21.2	3.8		
			Sg	20 58 36.6	7.5		
			SMN	M _L =4.2		1.2	0.70
			SME			1.2	0.80
			LN	M _s =4.7		5.0	9.70
			LE			5.0	5.70
CD2	5.1	8	-iPn	20 58 02.4	2.6		
			Sn	20 59 04.0	3.1		
			SMN	M _L =4.9		1.6	1.79
			SME			1.3	0.91
			LN	M _s =4.7		6.0	6.08
QZN	9.3	135	cP	20 58 57.6	-1.4		
			cS	21 00 43.0	-0.8		
			LG ₂	21 01 43.0	-5.3		
			LE	M _s =4.2		9.0	1.20
XAN	9.7	31	cP	20 59 03.0	-2.2		
			S	21 00 51.0	-3.7		
			LG ₁	21 01 57.0	9.3		
			LG ₂	21 01 57.0	-6.1		
			LN	M _s =4.6		9.0	2.07
			LE			9.0	1.44
GZH	9.8	104	P	20 59 09.0	2.1		
			cS	21 00 59.0	1.0		

			LN		M _s =5.0	8.0	5.08
			LE			7.0	1.72
LZII	10.3	4	cP	20 59 12.5	-0.9		
			cLG ₁	21 01 58.0	-8.1		
			LN		M _s =4.9	9.0	2.00
			LE			10.0	4.45
WHIN	11.1	62	cP	20 59 24.0	-0.3		
			pP	20 59 30.0	0.1		
			cS	21 01 29.0	-0.2		
			LG ₁	21 02 28.0	-3.5		
			LG ₂	21 02 45.0	-4.1		
			LN		M _s =4.8	7.0	2.30
GTA	13.8	350	cP	20 59 59.7	-1.5		
			LE		M _s =4.4	9.0	0.86
TIY	14.3	32	cP	21 00 08.3	0.5		
			LN		M _s =4.6	12.0	1.19
			LE			12.0	1.21
BTO	15.9	20	cP	21 00 27.0	-1.0		
			sP	21 00 34.0	-2.9		
			cS	21 03 24.0	-0.2		
			LN		M _s =4.7	11.0	1.10
			LE			11.0	1.30
TIA	16.0	46	cP	21 00 32.0	3.3		
			LN		M _s =4.4	12.5	1.01
HHIC	16.6	23	c(P)	21 00 36.0	-1.4		
SSE	16.9	68	cP	21 00 36.0	-4.2		
			LG ₂	21 05 56.0	-3.4		
			LN		M _s =4.9	16.0	3.49
BJI	18.0	35	cP	21 00 55.5	1.2		
			(S)	21 04 17.0	4.8		
			LG ₂	21 06 38.0	1.5		
			LE		M _s =4.4	7.0	0.46
WMQ	21.9	329	cP	21 01 36.0	-1.3		
SNY	23.3	42	cP	21 01 53.5	1.8		
			cS	21 05 56.5	-3.5		
			LN		M _s =4.6	14.0	0.59
			LE			14.0	0.76
CN2	25.6	40	cP	21 02 17.0	3.3		
KSH	26.4	308	cP	21 02 32.0	11.7		

1986 10 27							
O=00 09 31.0				± 0.05s			
LAT=46.13 N				± 1.27km			
LONG= 27.74 W				± 0.96km			
DEPTH= 10 km				± 0.05km			
STATIONS USED = 42,				STAND DEV = 1.81s			
KSH	70.9	53	cP	00 20 52.0	0.7		
			cS	00 30 12.0	6.0		
WMQ	73.8	43	+P	00 21 08.6	0.4		
GTA	82.8	38	-P	00 21 57.4	-0.3		

BTO	85.8	31	cP	00 22 13.4	0.5
BJI	88.3	27	cP	00 22 15.0	-10.2
TIY	89.2	31	cP	00 22 29.4	0.0
XAN	91.1	35	cP	00 22 37.0	-1.4
CD2	91.6	40	cP	00 22 40.4	-0.4
GYA	96.8	40	P	00 23 04.5	0.3

1986 10 27

O=04 25 21.6 ± 0.13s
 LAT=38.81 S ± 1.04km
 LONG=175.73 E ± 0.85km
 DEPTH=151 km ± 1.20km
 STATIONS USED = 13, STAND DEV = 2.07s

1986 10 27

O=05 50 46.1 ± 0.09s
 LAT= 4.22 S ± 0.76km
 LONG=152.96 E ± 0.72km
 DEPTH= 68 km ± 0.88km
 STATIONS USED = 44, STAND DEV = 0.89s

WHN	50.5	316	cP	05 59 42.0	1.8
TIA	52.3	323	cP	05 59 53.9	0.1
MDJ	52.9	339	cP	05 59 56.5	-1.7
CN2	53.8	336	-P	06 00 04.5	-0.4
			PcP	06 01 04.4	-4.6
GYA	54.2	307	P	06 00 08.4	1.0
BJI	55.5	326	cP	06 00 15.5	-1.4
TIY	56.2	322	cP	06 00 22.0	0.1
XAN	56.3	316	P	06 00 22.4	-0.5
KMI	56.8	304	cP	06 00 27.5	1.0
CD2	58.5	310	cP	06 00 38.4	0.3
BTO	59.4	323	cP	06 00 45.0	0.2
LZH	60.9	316	cP	06 00 56.0	0.9
			PMZ		2.0 0.060
GTA	65.3	317	+P	06 01 24.6	0.4
WMQ	75.4	317	P	06 02 26.0	0.8

1986 10 27

O=10 17 59.3 ± 0.10s
 LAT=11.48 S ± 1.30km
 LONG=165.82 E ± 1.67km
 DEPTH= 35 km ± 0.69km
 STATIONS USED = 43, STAND DEV = 1.08s

SSE	60.2	316	cP	10 28 05.8	-1.0
			cS	10 36 16.0	-0.8
			csS	10 36 32.0	-1.4
			SS	10 40 12.0	-2.0
NJ2	62.4	316	-P	10 28 21.4	0.0
			cS	10 36 47.0	2.7
WHN	64.7	312	cP	10 28 36.0	-0.9

MDJ	64.8	332	cP	10 28 36.0	-1.1
CN2	66.1	329	cP	10 28 44.0	-2.0
GYA	68.7	304	P	10 29 02.6	0.3
BJI	68.9	321	cP	10 29 02.5	-0.5
TIY	69.9	317	cP	10 29 09.5	-0.2
XAN	70.5	312	P	10 29 13.0	0.1
KMI	71.4	301	cP	10 29 19.0	0.2
CD2	72.9	307	P	10 29 27.9	0.2
LZH	75.1	312	cP	10 29 41.5	1.0
GTA	79.4	314	+P	10 30 04.9	0.4
WMQ	89.5	315	P	10 30 54.5	-0.4

1986 10 27

O=12 15 31.5 ± 0.10s
 LAT=42.82 N ± 3.12km
 LONG=145.66 E ± 1.99km
 DEPTH= 45 km ± 1.89km
 STATIONS USED = 49, STAND DEV = 1.85s

MDJ	11.8	284	cP	12 18 20.0	0.3
CN2	14.8	281	cP	12 18 58.0	-1.1
BJI	22.2	273	P	12 20 24.5	-1.5
SSE	22.7	247	cP	12 20 30.0	-0.6
			cS	12 24 31.0	-0.2
			SS	12 25 10.0	-4.7
NJ2	23.8	252	+P	12 20 42.0	1.2
BTO	26.6	277	cP	12 21 07.8	0.0
WHN	27.8	254	cP	12 21 17.0	-1.6
XAN	29.9	265	P	12 21 37.0	-0.6
LZH	32.7	272	cP	12 22 03.5	0.9
GTA	34.4	280	P	12 22 16.4	-0.5
CD2	35.2	264	+iP	12 22 23.8	-0.3
GYA	35.6	256	P	12 22 27.0	-0.6
KMI	39.3	257	+P	12 22 58.5	0.5
WMQ	41.4	292	P	12 23 16.1	0.2

1986 10 27

O=13 10 34.4 ± 0.05s
 LAT= 2.94 S ± 0.64km
 LONG=130.57 E ± 1.35km
 DEPTH= 32 km ± 0.37km
 STATIONS USED = 12, STAND DEV = 1.38s

XAN	42.1	333	cP	13 18 24.8	-0.5
BJI	44.8	344	cP	13 18 45.0	-2.2
CN2	46.8	355	cP	13 19 02.8	-0.2
WMQ	60.4	325	cP	13 20 43.5	0.1

1986 10 27

O=13 53 44.6 ± 0.07s
 LAT=26.54 N ± 0.56km
 LONG=102.88 E ± 0.67km

DEPTH = 11 km ± 0.33km				SME				0.5			
STATIONS USED = 7, STAND DEV = 4.47s				XAN 6.8 205 cPg				20 31 00.8 12.2			
M _L = 3.0 / 4,				1986 10 27							
KMI	1.4	185	cPg	13 54 10.0	-0.1	O = 21 52 44.3 ± 0.15s					
			Sg	13 54 26.0	-3.2	LAT = 20.74 N ± 1.80km					
			SMN	M _L = 2.9	1.5	LONG = 119.91 E ± 2.28km					
			SME		1.0	DEPTH = 11 km ± 0.36km					
GYA	3.4	91	cPg	13 54 45.6	0.8	STATIONS USED = 36, STAND DEV = 1.89s					
CD2	4.4	10	P*	13 54 54.6	-4.1	Ms = 4.0 / 7, M _L = 3.7 / 7,					
			Pg	13 55 08.8	6.2	QZH 4.4 344 cPn		21 53 49.8		-1.0	
			Sg	13 56 02.8	-0.2	Sn		21 54 34.3		-9.4	
			SMN	M _L = 3.1	0.6	SMN		M _L = 3.5		0.5 0.070	
			SME		0.7	SME				0.4 0.11	
1986 10 27				LE				Ms = 3.5 12.0 1.04			
O = 14 11 57.7 ± 0.06s				GZH 6.5 292 -Pn				21 54 21.0 0.3			
LAT = 7.60 N ± 1.14km				Sn				21 55 29.4 -8.2			
LONG = 36.68 W ± 1.09km				LE				Ms = 3.8 12.0 1.18			
DEPTH = 11 km ± 0.19km				QZN 9.6 262 cPn				21 55 05.6 2.3			
STATIONS USED = 16, STAND DEV = 1.13s				cS*				21 57 22.8 0.7			
CN2	126.3	16	cP	14 31 01.0	-1.0	LN		Ms = 3.9		11.0 0.60	
GYA	130.9	45	P	14 31 13.0	2.1	LE				11.0 0.40	
1986 10 27				SSE 10.4 6 cP				21 55 40.0 23.8			
O = 15 27 15.2 ± 0.42s				LN				Ms = 4.0 10.0 0.64			
LAT = 52.18 N ± 5.48km				NJ2 11.3 355 +P				21 55 45.6 16.7			
LONG = 173.87 W ± 1.92km				LE				Ms = 4.1 12.0 0.80			
DEPTH = 37 km ± 1.74km				GYA 13.4 298 P				21 55 56.0 -1.6			
STATIONS USED = 19, STAND DEV = 2.19s				LE				Ms = 4.2 10.0 0.70			
CN2	40.4	283	cP	15 34 59.0	7.3	XAN 16.4 326 cP		21 56 38.4		1.5	
XAN	56.5	284	P	15 36 55.0	-1.6	LN				2.0 0.51	
GTA	58.1	294	-iP	15 37 06.7	-1.2	CD2 17.7 308 cP		21 57 03.6		11.2	
CD2	61.8	285	cP	15 37 31.9	-1.3	TIY 18.1 341 cP		21 57 00.4		2.4	
GYA	63.3	279	P	15 37 44.0	0.9	BJI 19.5 351 P		21 57 14.5		0.0	
1986 10 27				LZH 20.8 321 cP				21 57 29.0 0.5			
O = 20 28 47.8 ± 0.08s				SNY 21.2 8 +P				21 57 34.5 1.4			
LAT = 40.30 N ± 0.57km				MDJ 25.1 16 cP				21 58 11.5 0.3			
LONG = 112.39 E ± 0.77km				GTA 25.4 322 P				21 58 13.9 0.3			
DEPTH = 33 km ± 0.96km				WMQ 35.3 318 cP				21 59 46.5 4.5			
STATIONS USED = 8, STAND DEV = 1.77s				1986 10 27							
M _L = 3.1 / 7,				O = 22 32 20.5 ± 0.08s							
BTO	1.8	280	cP*	20 29 18.2	0.5	LAT = 41.96 N ± 0.96km					
			Pg	20 29 19.0	-1.6	LONG = 19.60 E ± 1.16km					
			Sg	20 29 41.8	-4.2	DEPTH = 20 km ± 0.17km					
			SMN	M _L = 3.4	0.2	STATIONS USED = 29, STAND DEV = 1.17s					
			SME		0.2	WMQ 48.6 64 cP		22 41 02.5		-3.1	
TIY	2.6	179	-iPg	20 29 31.8	-2.1	GTA 58.7 63 P		22 42 20.0		0.0	
			Sg	20 30 04.2	-5.1	LZH 63.2 65 cP		22 42 49.0		-1.4	
			SMN	M _L = 3.2	0.5	CD2 66.1 69 cP		22 43 09.2		0.2	
					0.12	XAN 67.8 64 P		22 43 20.0		0.3	

BJI	68.8	55	cP	22 43 27.0	0.7
GYA	70.8	71	cP	22 43 37.6	-0.7
CN2	71.8	47	cP	22 43 44.0	-0.5

				Pg	04 05 57.6	1.4
				Sg	04 07 03.4	-5.0
				SMN	$M_L=3.8$	0.6 0.080
				SME		0.6 0.10
XAN	6.3	160	cPn	04 05 57.4	1.1	
				Pg	04 06 18.1	4.6
				Sn	04 07 01.6	-8.7
				SMN	$M_L=3.6$	0.6 0.040
				SME		0.5 0.040

1986 10 28

O=01 56 01.7 ± 0.07s
 LAT=11.57 N ± 0.95km
 LONG=126.03 E ± 1.74km
 DEPTH= 34 km ± 0.45km

STATIONS USED = 26, STAND DEV = 1.29s

SSE	19.9	348	+P	02 00 33.5	-0.3
			PMZ		1.0 0.020
			S	02 04 09.0	-1.8
			sS	02 04 22.0	-2.0
			SS	02 04 40.0	0.9
WHN	21.8	332	cP	02 00 54.5	1.9
GYA	23.5	312	P	02 01 12.0	2.2
			PP	02 01 36.0	-5.6
			S	02 05 17.0	0.0
KMI	25.8	305	cP	02 01 31.5	-0.8
XAN	27.3	328	P	02 01 44.4	-1.0
CD2	28.2	316	cP	02 01 53.3	-0.5
BJI	29.7	345	cP	02 02 04.5	-2.2
GTA	36.2	325	P	02 03 03.8	0.2
WMQ	46.1	321	P	02 04 25.5	0.8

1986 10 28

O=04 04 23.1 ± 0.10s
 LAT=39.95 N ± 1.08km
 LONG=106.31 E ± 0.90km
 DEPTH= 6 km ± 0.24km

STATIONS USED = 13, STAND DEV = 2.12s

$M_L=3.7/12,$

BTO	2.9	76	cPn	04 05 10.8	0.4
			Pg	04 05 16.6	2.1
			Sn	04 05 46.4	-1.0
			Sg	04 05 52.8	-1.5
			SMN	$M_L=3.3$	0.4 0.14
			SME		0.4 0.10
LZH	4.3	208	Pg	04 05 42.5	2.9
			cSg	04 06 38.0	-0.4
			SMN	$M_L=3.6$	1.0 0.11
			SME		1.0 0.12
GTA	5.0	266	Pn	04 05 41.0	1.3
			Pg	04 05 54.4	2.3
			Sn	04 06 40.5	0.3
			Sg	04 06 59.2	-1.8
			SMN	$M_L=3.4$	0.7 0.070
			SME		0.6 0.030
TIY	5.3	113	+Pn	04 05 44.4	1.6

1986 10 28

O=07 13 38.1 ± 0.08s
 LAT=15.14 N ± 1.15km
 LONG=146.95 E ± 1.57km
 DEPTH= 48 km ± 0.54km

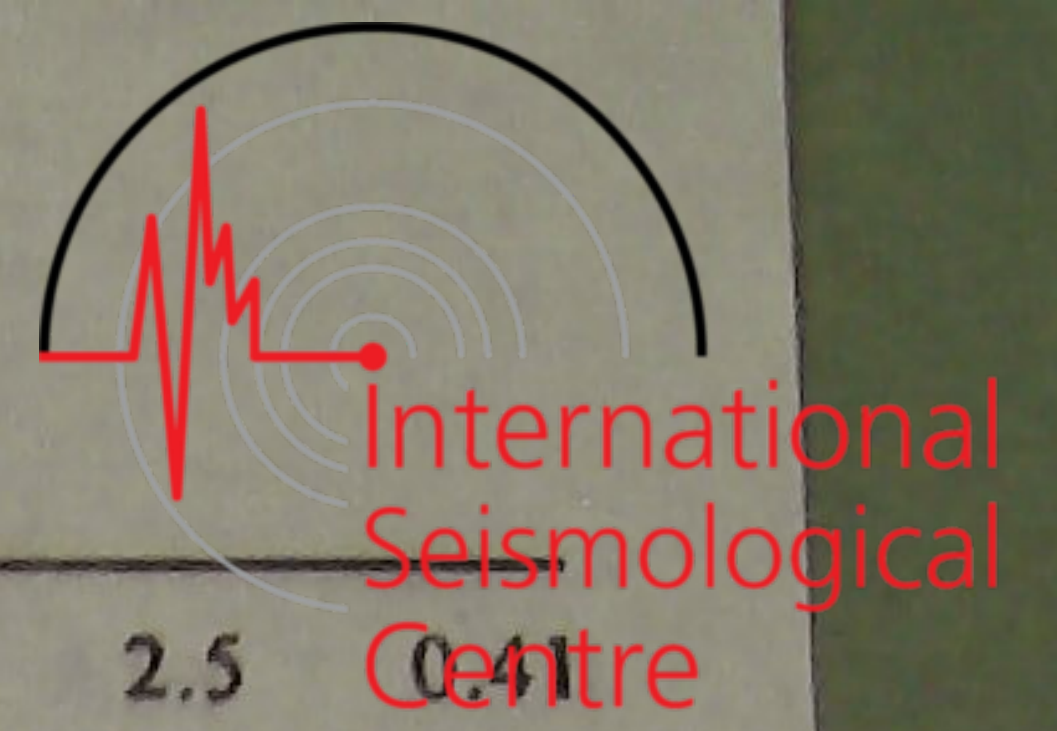
STATIONS USED = 55, STAND DEV = 1.15s

$M_s=4.8/7,$

$m_B=5.4/2$

QZH	28.3	295	cP	07 19 32.0	2.2
			LE	$M_s=4.6$	20.0 1.00
SSE	28.4	308	cP	07 19 30.0	-0.7
			PMZ		0.6 0.010
			pP	07 19 36.0	-6.3
			S	07 24 16.0	4.1
			SME		16.0 0.57
			sS	07 24 32.0	-0.9
			LE	$M_s=4.3$	10.0 0.22
WHN	33.6	303	cP	07 20 16.0	-0.1
TIA	33.9	314	cP	07 20 18.1	-0.6
BJI	36.5	319	cP	07 20 42.5	1.0
			cS	07 26 22.0	2.2
			csS	07 26 42.0	1.7
TIY	37.9	313	-P	07 20 53.2	0.4
			S	07 26 43.5	4.2
			LE	$M_s=4.8$	18.0 0.79
XAN	39.1	306	cP	07 21 02.4	-0.2
			S	07 27 02.0	4.7
			LN	$M_s=4.8$	10.0 0.43
GYA	39.2	293	P	07 21 05.4	2.0
			pP	07 21 16.0	0.7
			PP	07 22 40.0	2.8
			PcP	07 23 13.6	1.8
			S	07 27 03.0	4.5
			sS	07 27 22.0	2.0
BTO	40.9	316	P	07 21 17.8	0.1
CD2	42.5	299	cP	07 21 30.5	0.0
			cS	07 27 51.0	2.4
KMI	42.5	291	+P	07 21 32.0	0.8
LZH	43.7	307	+P	07 21 40.5	-0.1
			PMZ		1.5 0.21
			cS	07 28 08.0	1.4

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GTA	47.7	310	SME	$m_B = 5.5$	7.0	0.49	PMZ		2.5	0.41		
			+iP	07 22 12.5	0.0		sP	15 23 30.5	-1.5			
			PMZ			3.0	PcP	15 23 35.0	2.2			
			cS	07 29 05.0	0.9		S	15 33 18.0	2.2			
			SMN	$m_B = 5.4$	7.0	0.34	SS	15 38 28.0	7.9			
			LN	$M_s = 4.8$	18.0	0.59	LN	$M_s = 6.0$	20.0	4.47		
WMQ	57.6	313	+iP	07 23 25.6	-0.3		QZH	78.6	52	+P	15 23 28.0	1.5
			PMZ			2.0	sP	15 23 36.0	1.4			
			S	07 31 23.0	6.0		S	15 33 20.0	-0.9			
KSH	65.9	307	cP	07 24 22.0	0.0		sS	15 33 28.0	-3.6			
			cS	07 33 11.0	6.7		LN	$M_s = 5.5$	20.0	1.48		
							GTA	78.7	30	-iP	15 23 26.8	-0.6
							PMZ	$m_B = 6.0$	3.5	0.65		
							S	15 33 24.0	1.7			
							sS	15 33 42.5	9.5			
							SME	$m_B = 5.7$	7.5	0.49		
							LN	$M_s = 5.7$	17.0	1.87		
							XAN	79.0	40	-P	15 23 28.4	-0.4
							sP	15 23 36.5	-0.3			
							cS	15 33 23.0	-3.9			
							SME	$m_B = 5.7$	12.0	0.76		
							LE	$M_s = 5.7$	18.0	1.99		
							WIIN	79.6	45	cP	15 23 32.0	-0.1
							sP	15 23 39.0	-1.3			
							cS	15 33 32.0	-1.5			
							SME	$m_B = 5.5$	12.0	0.50		
							LE	$M_s = 5.7$	18.0	1.98		
							NJ2	83.5	47	-P	15 23 52.0	-0.2
							S	15 34 10.0	-1.3			
							LE	$M_s = 5.6$	15.0	1.10		
							TIY	83.6	39	-iP	15 23 53.0	-0.1
							SKS	15 34 16.0	5.3			
							sS	15 34 26.5	2.8			
							LN	$M_s = 6.1$	22.0	1.98		
							LE		23.0	5.90		
							SSE	84.3	49	P	15 23 56.5	-0.1
							PMZ		1.5	0.10		
							sP	15 24 09.0	4.2			
							SKS	15 34 18.0	2.5			
							cS	15 34 22.0	0.4			
							sS	15 34 30.0	-0.9			
							SS	15 39 54.0	1.5			
							LE	$M_s = 5.8$	20.0	2.60		
							BTO	84.5	36	-iP	15 23 57.5	0.0
							sP	15 24 04.5	-0.9			
							cPP	15 27 13.0	-0.2			
							cSKS	15 34 15.0	-1.4			
							S	15 34 20.0	-1.3			
							LN	$M_s = 5.8$	20.0	2.00		
							LE		20.0	1.10		

1986 10 28

O = 15 11 22.1 ± 0.25s

LAT = 30.44 S ± 4.00km

LONG = 60.04 E ± 6.66km

DEPTH = 10 km ± 0.22km

STATIONS USED = 76, STAND DEV = 1.90s

$M_s = 5.7 / 30,$ $m_B = 5.8 / 9$

QZN	68.7	51	cP	15 22 23.0	-5.4					
			pP	15 22 28.0	-6.0					
			cS	15 31 21.0	-9.3					
			LE	$M_s = 5.5$	12.0	1.00				
KMI	68.7	41	-P	15 22 29.0	-0.2					
			pP	15 22 33.0	-1.5					
			S	15 31 29.0	-0.9					
			LN	$M_s = 5.9$	18.0	3.61				
KSH	71.1	13	cP	15 22 44.0	0.5					
			csP	15 22 51.0	-0.6					
			cPP	15 25 24.0	1.8					
			iS	15 32 00.0	0.7					
			sS	15 32 10.0	1.7					
			LN	$M_s = 5.9$	16.0	3.70				
GYA	72.0	43	-P	15 22 48.3	-0.3					
			sP	15 22 55.6	-1.6					
			S	15 32 10.0	1.5					
			SS	15 36 48.0	1.0					
			LN	$M_s = 5.9$	18.0	3.50				
			LE		18.0	2.10				
CD2	73.8	38	+iP	15 22 58.8	-0.7					
			cS	15 32 29.0	-1.1					
GZH	73.8	50	+P	15 23 01.0	1.6					
			cS	15 32 34.0	4.0					
			LN	$M_s = 5.7$	16.0	1.82				
LZH	77.9	35	+P	15 23 22.0	-0.9					
			PMZ			2.0				0.17
			cS	15 33 15.0	-0.6					
			SME	$m_B = 5.6$	10.0	0.47				
			LE	$M_s = 5.5$	16.0	1.30				
WMQ	78.1	20	-P	15 23 24.5	0.6					

TIA	85.2	43	cSKS	17 41 12.5	1.2		
			S	17 41 18.0	1.8		
			cP	17 30 56.9	0.9		
			cS	17 41 22.0	-3.2		
			SMN	$m_B = 5.6$	8.0	0.40	
			SME		11.0	0.44	
HHC	85.4	37	P	17 30 58.0	0.8		
BJI	87.3	40	cP	17 31 05.5	-0.8		
			cSKS	17 41 35.0	4.8		
			cS	17 41 48.0	2.6		
			SMN	$m_B = 5.6$	7.0	0.27	
			SME		8.0	0.28	
			LE	$M_s = 5.3$	14.0	0.53	
CN2	95.0	41	cP	17 31 40.0	-2.1		
			pP	17 31 47.0	-0.6		
			cS	17 42 51.0	-3.0		
			cSS	17 49 16.0	-5.3		

1986 10 29

O = 02 15 16.9 ± 0.10s
 LAT = 47.25 N ± 3.64km
 LONG = 154.09 E ± 2.20km
 DEPTH = 31 km ± 0.79km
 STATIONS USED = 65, STAND DEV = 1.68s
 $M_s = 4.8 / 12,$

MDJ	17.2	270	cP	02 19 16.0	-0.9		
			pP	02 19 22.0	-2.2		
CN2	20.3	271	+P	02 19 48.0	-5.1		
SNY	22.3	267	-iP	02 20 12.6	-1.0		
			S	02 24 08.5	-3.3		
			LN	$M_s = 4.9$	16.0	1.35	
			LE		16.0	1.57	
DL2	25.0	262	P	02 20 52.0	12.9		
BJI	28.1	269	cP	02 21 10.0	1.3		
TIA	29.4	262	cP	02 21 20.2	-0.1		
			cS	02 26 17.0	5.6		
			LN	$M_s = 4.9$	15.0	1.05	
			LE		15.0	0.85	
			+P	02 21 25.0	0.7		
SSE	29.9	249	PMZ		0.6	0.020	
			pP	02 21 30.0	-3.3		
			cS	02 26 17.0	-1.5		
			cSS	02 27 45.0	-9.6		
			LN	$M_s = 4.6$	20.0	0.89	
			-P	02 21 32.0	-0.1		
			NJ2	30.8	253		
HHC	30.9	274	cP	02 21 32.0	-1.6		
			pP	02 21 41.0	-1.3		
			cS	02 26 30.0	-4.9		
			LN	$M_s = 4.8$	15.0	0.65	
			LE		14.0	0.80	

TIY	31.8	268	-P	02 21 42.1	0.6		
			PMZ		1.0	0.040	
			S	02 26 45.5	-2.6		
			LN	$M_s = 4.7$	16.0	0.52	
			LE		15.0	0.67	
BTO	32.1	274	cP	02 21 41.6	-2.2		
			cS	02 26 48.0	-5.2		
			LN	$M_s = 4.7$	12.0	0.50	
			LE		12.0	0.40	
WHN	34.7	256	cP	02 22 05.5	-0.8		
XAN	36.2	265	+iP	02 22 18.8	-0.5		
			LN	$M_s = 5.1$	13.0	0.99	
			LE		14.0	0.74	
GTA	39.6	279	-iP	02 22 47.2	0.0		
			PcP	02 24 55.0	0.8		
			cS	02 28 44.2	-3.8		
			LN	$M_s = 5.0$	12.0	0.90	
CD2	41.6	265	+iP	02 23 04.0	0.0		
			PMZ		0.8	0.24	
GYA	42.5	258	+P	02 23 11.0	-0.3		
			pP	02 23 20.0	-0.2		
			PcP	02 25 07.0	3.3		
			S	02 29 27.0	-3.1		
			sS	02 29 38.0	-8.0		
WMQ	45.4	291	P	02 23 35.5	0.8		
			PcP	02 25 13.8	0.3		
KMI	46.0	260	+iP	02 23 40.0	0.2		
KSH	55.1	293	cP	02 24 48.0	-1.1		

1986 10 29

O = 14 00 46.6 ± 0.19s
 LAT = 36.90 N ± 1.38km
 LONG = 95.94 E ± 1.21km
 DEPTH = 25 km ± 1.07km
 STATIONS USED = 19, STAND DEV = 3.55s
 $M_s = 3.4 / 2, M_L = 4.4 / 6,$

GTA	4.0	49	Pn	14 01 48.5	2.2		
			Pg	14 01 54.1	-2.4		
			Sn	14 02 37.5	4.1		
			Sg	14 02 51.0	0.4		
			SMN		3.0	0.54	
			SME		3.0	0.46	
			LN	$M_s = 3.1$	8.0	0.31	
LZH	6.4	95	cPn	14 02 23.0	2.8		
			LG ₁	14 04 02.0	-6.2		
			LG ₂	14 04 11.0	-7.3		
			LN		2.0	0.84	
CD2	8.8	130	cPg	14 03 27.5	4.9		
WMQ	9.3	320	P	14 03 03.0	0.0		
			S	14 04 46.5	-1.6		

			LE		1.0	0.080
XAN	11.0	101	cP	14 03 25.4	0.2	
TIY	13.2	81	c(P)	14 04 06.5	12.0	
			LN	Ms=3.8	9.0	0.23
1986 10 29						
O	=14 40 52.4			± 0.19s		
LAT	=11.46 N			± 2.55km		
LONG	=140.88 E			± 2.80km		
DEPTH	= 32 km			± 0.18km		
STATIONS USED = 59, STAND DEV = 2.05s						
SSE	26.7	320	P	14 46 31.2	0.1	
			PMZ		1.0	0.11
			esS	14 51 20.0	2.3	
WHN	31.1	312	-P	14 47 10.8	0.6	
TIA	32.7	323	cP	14 47 23.9	-0.4	
SNY	33.8	336	cP	14 47 34.3	0.1	
CN2	34.9	340	cP	14 47 42.0	-1.2	
GYA	35.5	300	+P	14 47 50.2	1.6	
BJI	35.9	327	cP	14 47 51.5	-0.3	
TIY	36.5	321	+iP	14 47 57.2	0.1	
			PMZ		0.8	0.050
			S	14 53 44.0	8.1	
XAN	36.8	313	+iP	14 47 59.2	-0.5	
HHC	39.0	324	P	14 48 19.0	0.9	
CD2	39.4	305	+iP	14 48 21.8	0.5	
			PMZ		0.8	0.14
BTO	39.8	322	+iP	14 48 24.4	0.0	
LZH	41.4	313	cP	14 48 39.0	0.6	
GTA	45.8	315	+iP	14 49 13.5	0.0	
WMQ	55.9	316	+iP	14 50 30.0	0.3	

1986 10 29						
O	=15 28 56.3			± 0.09s		
LAT	= 9.25 N			± 1.54km		
LONG	=126.68 E			± 1.96km		
DEPTH	= 33 km			± 0.08km		
STATIONS USED = 72, STAND DEV = 1.32s						
Ms=5.4/36,		m _B =5.9/31				
QZH	17.4	335	+P	15 32 58.0	-0.4	
			PMZ	m _B =5.8	9.0	4.66
			iS	15 36 15.0	5.6	
			SMN	m _B =6.0	8.0	3.54
			SME		8.0	4.86
			LN	Ms=5.1	12.0	2.86
			LE		12.0	3.29
QZN	19.0	303	+P	15 33 17.0	-1.0	
			sP	15 33 30.0	-0.1	
			S	15 36 41.0	-3.4	
			SS	15 37 04.0	-5.9	

			LN	Ms=5.4	15.0	5.00
			LE		18.0	7.90
SSE	22.3	348	+iP	15 33 54.0	1.1	
			PMZ		1.5	0.19
			sP	15 34 08.0	2.2	
			S	15 37 54.0	3.0	
			SMN	m _B =6.3	9.0	5.36
			SME		9.0	6.86
			SS	15 38 40.0	7.8	
			LN	Ms=5.5	16.0	7.27
			LE		16.0	6.30
NJ2	23.8	343	+iP	15 34 08.0	0.5	
			PMZ	m _B =6.2	5.5	5.40
			S	15 38 13.0	-4.5	
			sS	15 38 26.0	-6.7	
			LN	Ms=5.5	10.0	5.70
WHN	24.1	333	cP	15 34 10.5	0.2	
			PMZ	m _B =5.8	6.0	2.52
			sP	15 34 20.0	-3.2	
			S	15 38 22.0	-0.5	
			SMN	m _B =6.3	10.0	9.24
			SS	15 39 12.0	-2.9	
			LE	Ms=5.4	12.0	5.22
GYA	25.5	315	+P	15 34 24.0	-0.2	
			pP	15 34 33.0	0.1	
			PcS	15 41 26.0	-8.3	
			LN	Ms=5.5	16.0	5.30
			LE		16.0	6.10
KMI	27.7	308	+P	15 34 44.0	-0.3	
			pP	15 34 54.0	1.0	
			PP	15 35 30.0	-2.5	
			S	15 39 15.0	-6.9	
			LN	Ms=5.4	13.0	4.00
TIA	28.2	344	cP	15 34 48.3	-0.3	
			S	15 39 33.0	3.0	
			SMN	m _B =6.0	8.0	2.13
			SME		7.0	1.82
			LN	Ms=5.6	10.0	3.97
			LE		10.0	2.09
XAN	29.6	329	P	15 34 58.6	-2.2	
			PP	15 35 50.0	-6.8	
			S	15 39 42.0	-9.8	
			LN	Ms=5.4	14.0	3.74
			LE		12.0	1.77
CD2	30.3	318	cP	15 35 05.6	-1.9	
			S	15 39 56.0	-7.7	
			LN	Ms=5.6	13.0	5.83
TIY	31.1	338	+iP	15 35 14.0	-0.5	
			PMZ	m _B =5.9	7.0	1.35
			PP	15 36 20.0	3.2	

			SME		9.0	3.13				PP	20 20 04.0	6.5			
			LN	Ms = 5.3	20.0	8.30				S	20 24 04.0	-2.8			
GZH	20.9	327	+P	20 16 18.0	0.8					LN	Ms = 5.3	24.0	3.37		
			S	20 20 08.0	8.0					LE		24.0	2.04		
			SMN	m _B = 5.8	11.0	2.54	LZHI	36.2	330	cP	20 18 37.5	0.7			
			SME		13.0	2.07				PMZ		1.5	0.21		
			LN	Ms = 5.3	20.0	6.90				pP	20 18 51.0	-3.8			
			LE		20.0	4.60				eS	20 24 15.0	4.2			
SSE	25.6	351	+P	20 17 03.0	0.1					SME	m _B = 5.9	5.0	1.16		
			pP	20 17 20.0	-0.2					LN	Ms = 5.2	15.0	1.89		
			eS	20 21 23.0	0.1		HHIC	37.1	342	P	20 18 45.0	0.2			
			LN	Ms = 5.2	36.0	3.76				S	20 24 28.0	3.8			
			LE		36.0	7.13				SMN	m _B = 5.9	7.0	0.95		
WHN	26.8	338	cP	20 17 14.0	-0.6					SME		8.0	1.56		
			pP	20 17 28.0	-4.1		BTO	37.4	340	cP	20 18 45.6	-1.4			
			eS	20 21 47.0	3.4					PP	20 20 14.0	-1.2			
			LN	Ms = 5.4	20.0	7.26				eS	20 24 28.5	-0.8			
NJ2	26.9	347	-P	20 17 12.6	-2.9					sS	20 24 53.0	-7.6			
			eS	20 21 43.0	-2.2					LN	Ms = 5.6	23.0	5.90		
GYA	27.4	321	+P	20 17 20.6	1.0					LE		20.0	3.00		
			pP	20 17 35.0	-2.0					CN2	37.9	360	+P	20 18 50.5	-0.7
			sP	20 17 45.0	-1.5					pP	20 19 10.0	0.5			
			LN	Ms = 5.2	15.0	2.80				PP	20 20 20.5	-0.8			
			LE		15.0	1.70				eS	20 24 37.0	-0.1			
KMI	29.1	314	+P	20 17 36.5	1.0					cSS	20 27 15.0	-1.6			
			eS	20 22 29.0	8.1					MDJ	38.9	5	+P	20 19 00.0	0.6
			sS	20 22 54.0	2.8					pP	20 19 15.0	-2.6			
			LE	Ms = 5.0	14.0	1.74				sP	20 19 22.0	-5.0			
TIA	31.3	347	cP	20 17 53.6	-1.1					eS	20 24 54.0	2.0			
			sP	20 18 18.5	-3.5					sS	20 25 22.0	-1.5			
			S	20 23 02.0	7.9					GTA	40.8	329	+iP	20 19 15.2	0.3
			LN	Ms = 5.5	22.0	7.87				PMZ	m _B = 5.6	5.0	0.48		
XAN	32.1	334	+iP	20 18 01.0	-0.6					pP	20 19 29.0	-4.1			
			pP	20 18 20.5	1.1					PP	20 20 54.0	1.5			
			eS	20 23 11.0	3.5					S	20 25 16.5	-2.3			
			LN	Ms = 5.1	14.0	1.70				SMN	m _B = 5.3	8.0	0.39		
CD2	32.3	323	+iP	20 18 03.9	0.3					LN	Ms = 4.9	8.0	0.39		
			eS	20 23 16.0	5.0					WMQ	50.4	325	P	20 20 31.0	-0.4
			LE	Ms = 5.3	20.0	3.98				PMZ		1.5	0.060		
DL2	33.2	354	cP	20 18 10.8	-0.5					pP	20 20 51.5	1.4			
TIY	34.0	341	cP	20 18 17.8	-0.3					eS	20 27 38.0	0.1			
			S	20 23 39.0	3.0					sS	20 28 08.0	-2.2			
			LN	Ms = 5.6	24.5	9.55				LN	Ms = 5.8	20.0	4.47		
BJI	35.2	348	cP	20 18 27.5	-0.6					LE		20.0	3.22		
			csP	20 18 55.0	-0.7					KSII	55.7	315	P	20 21 12.0	0.9
			eS	20 23 48.0	-7.1					pP	20 21 27.0	-3.0			
			csS	20 24 19.0	-7.3					cPP	20 23 22.0	5.0			
			cScP	20 24 38.5	3.6					eS	20 28 55.0	4.4			
			LN	Ms = 5.0	18.0	1.72				csS	20 29 26.0	2.7			
SNY	36.0	358	+P	20 18 34.0	-1.0					LN	Ms = 5.6	16.0	2.50		

1986 10 29

O=21 10 48.0 ± 0.19s

LAT=36.67 N ± 2.55km

LONG= 68.09 E ± 2.64km

DEPTH= 34 km ± 0.70km

STATIONS USED = 17, STAND DEV= 3.50s

KSH	6.8	64	cPn	21 12 28.0	1.8		
WMQ	16.6	58	cP	21 14 40.0	0.4		
			S	21 17 31.5	-9.6		
			LN			2.0	0.040
GTA	25.1	74	P	21 16 12.2	0.9		
BTO	32.8	70	cP	21 17 26.7	6.1		
GYA	34.2	96	P	21 17 40.2	7.2		

1986 10 29

O=21 29 06.8 ± 0.06s

LAT= 5.79 S ± 0.85km

LONG=127.83 E ± 1.26km

DEPTH=416 km ± 0.68km

STATIONS USED = 22, STAND DEV= 1.01s

GYA	38.1	328	P	21 35 50.4	0.9		
KMI	39.2	323	cP	21 36 00.0	0.7		
CD2	43.1	329	cP	21 36 30.6	0.0		
			cS	21 42 23.4	-3.3		
XAN	43.5	337	-P	21 36 32.8	-0.3		
BJI	46.9	348	(P)	21 36 57.5	-2.0		
LZH	47.3	333	+P	21 37 04.0	0.5		
WMQ	61.2	328	P	21 38 43.2	1.1		

1986 10 30

O=00 32 04.0 ± 0.13s

LAT=28.01 S ± 2.85km

LONG=176.47 W ± 4.03km

DEPTH= 35 km ± 1.01km

STATIONS USED = 15, STAND DEV= 2.32s

CN2	89.1	322	cP	00 44 57.0	-0.7		
TIA	89.3	312	cP	00 44 59.3	0.3		
BJI	92.2	315	(P)	00 45 11.0	-1.2		
XAN	93.8	307	cP	00 45 20.6	1.2		

1986 10 30

O=01 28 54.3 ± 0.08s

LAT=21.72 S ± 1.75km

LONG=176.54 W ± 1.56km

DEPTH=193 km ± 1.00km

STATIONS USED = 82, STAND DEV= 0.94s

						$m_B = 6.9 / 45$	
QZH	78.2	303	-iP	01 40 34.5	-0.2		
			PMZ			$m_B = 7.1$	4.0 18.0

			ipP	01 41 21.0	0.4		
			isP	01 41 43.0	1.9		
			iPP	01 43 34.0	-1.0		
			iS	01 50 12.0	-0.5		
			SMN			$m_B = 6.8$	8.0 9.3
			SME				8.0 7.2
			isS	01 51 39.0	6.5		
			LN				22.0 25.0
GZH	81.5	299	-iP	01 40 52.0	-0.2		
			PMZ			$m_B = 6.8$	6.0 12.0
			pP	01 41 37.0	-1.4		
			sP	01 41 55.0	-3.8		
			iS	01 50 50.0	3.3		
			SMN			$m_B = 7.0$	10.0 12.5
			SME				9.0 15.0
			sS	01 52 17.0	9.7		
NJ2	81.7	309	-iP	01 40 53.0	-0.3		
			PMZ			$m_B = 6.8$	6.0 12.4
			pP	01 41 37.0	-2.5		
			sP	01 42 00.0	0.1		
			PP	01 44 02.0	-1.6		
			iS	01 50 50.0	1.2		
			SMN			$m_B = 7.0$	9.0 17.7
MDJ	82.3	324	-iP	01 40 56.0	-0.4		
			PMZ			$m_B = 7.0$	6.0 16.7
			pP	01 41 40.0	-2.6		
			sP	01 42 03.0	0.0		
			PP	01 44 05.0	-3.3		
			iS	01 50 56.0	1.2		
			sS	01 52 16.0	0.5		
			SS	01 56 25.0	3.5		
QZN	82.6	294	-iP	01 40 58.0	0.1		
			PMZ				14.5 14.3
			pP	01 41 44.5	0.3		
			sP	01 42 03.5	-1.0		
			PP	01 44 14.0	3.3		
			SKS	01 50 59.0	3.5		
			S	01 51 02.0	5.8		
			SME			$m_B = 6.5$	10.0 5.60
			PS	01 52 28.0			
			LN				21.0 13.9
			LE				19.0 8.60
DL2	83.5	316	-P	01 41 02.0	-0.7		
			PMZ			$m_B = 6.8$	6.0 10.9
			sP	01 42 11.5	2.1		
			PP	01 44 15.0	-3.3		
			S	01 51 03.0	-2.7		
			SMN			$m_B = 6.8$	10.0 7.00
			SME				10.0 9.80
			LN				20.0 25.3

			LE		16.0	6.46				pP	01 42 18.0	1.5		
SNY	84.0	319	-iP	01 41 04.2	-0.8					sP	01 42 40.5	3.8		
			PMZ		$m_B = 6.8$	5.5	10.6			PP	01 44 58.0	-6.0		
			pP	01 41 50.0	-1.5					SKS	01 51 39.5	1.5		
			S	01 51 15.0	4.7					S	01 51 59.5	1.1		
			SMN			29.0	83.6			SMN		$m_B = 6.9$	12.0	10.9
			SME			22.0	16.7			SME			12.0	7.09
			LN			34.0	27.4			PS	01 53 34.0			
			LE			42.0	24.2			LN			16.0	5.45
CN2	84.1	322	-iP	01 41 05.0	-0.5					LE			24.0	19.4
			PMZ		$m_B = 6.9$	6.0	12.7	XAN	90.0	307	-iP	01 41 34.0	0.3	
			pP	01 41 50.0	-1.9					PMZ		$m_B = 6.9$	6.0	8.39
			sP	01 42 07.0	-5.1					ipP	01 42 23.0	2.5		
			PP	01 44 20.0	-2.7					sP	01 42 43.0	2.3		
			iS	01 51 06.5	-6.3					SKS	01 51 42.0	-1.1		
			SMN		$m_B = 7.1$	9.0	19.0			SMN		$m_B = 7.0$	10.0	1.79
			SME			9.0	4.40			SME			10.0	13.3
WHN	84.3	306	-P	01 41 06.0	-0.3					LN			16.0	4.69
			PMZ		$m_B = 6.9$	5.0	11.7			LE			16.0	8.91
			pP	01 41 52.0	-0.7			KMI	91.1	297	-iP	01 41 40.0	0.7	
			sP	01 42 15.0	2.0					PMZ		$m_B = 6.7$	6.0	5.30
			SKS	01 51 06.0	-0.7					pP	01 42 29.0	3.1		
			S	01 51 13.0	0.3					sP	01 42 51.0	4.9		
			SMN		$m_B = 6.8$	12.0	14.6			SKS	01 51 49.0	-0.9		
			PS	01 52 28.0						S	01 52 25.0	8.5		
			sS	01 52 34.0	-1.5			HHC	91.2	314	-P	01 41 40.0	0.5	
			LE			19.0	12.4			SKS	01 51 48.0	-2.3		
TIA	85.1	312	-P	01 41 10.2	-0.3					S	01 52 18.0	0.9		
			pP	01 41 57.0	0.0					SMN			14.0	28.0
			sP	01 42 20.0	2.7					SME			13.0	21.3
			S	01 51 16.0	-4.9			BTO	92.1	313	-iP	01 41 43.6	-0.2	
			SMN		$m_B = 6.8$	10.0	4.29			PMZ		$m_B = 6.7$	7.0	5.10
			SME			10.0	8.97			pP	01 42 33.0	2.4		
			LN			15.5	11.6			sP	01 42 55.0	4.2		
			LE			21.5	23.0			PP	01 45 25.0	-3.0		
BJI	87.7	315	-iP	01 41 22.0	-1.1					SKS	01 51 58.0	2.5		
			pP	01 42 10.0	0.2					S	01 52 25.0	-0.1		
			sP	01 42 32.0	2.0					SMN		$m_B = 7.0$	7.0	6.50
			SMN		$m_B = 6.6$	6.0	1.88			SME			7.0	4.30
			SME			5.2	2.61			SS	01 58 42.0	-0.9		
			LN			21.0	21.8			LN			20.0	9.30
GYA	88.4	299	-P	01 41 27.0	0.4					LE			20.0	10.0
			PMZ		$m_B = 6.9$	5.0	8.40	CD2	92.6	302	-iP	01 41 46.0	0.1	
			pP	01 42 14.0	0.7					PMZ		$m_B = 6.9$	6.0	6.80
			sP	01 42 37.0	3.5					pP	01 42 35.0	2.1		
			PP	01 44 50.0	-8.7					sP	01 42 54.0	0.9		
			SMN		$m_B = 7.1$	9.0	6.30			iSKS	01 51 59.5	1.2		
			SME			9.0	12.0			iS	01 52 32.0	0.7		
TIY	89.1	311	-iP	01 41 29.5	-0.2					SMN		$m_B = 7.4$	9.0	19.8
			PMZ			1.6	1.31			SME			8.0	14.5

LZH	94.6	307	-iP	01 41 55.0	-0.2		
			PMZ			2.0	0.77
			pP	01 42 43.0	1.0		
			sP	01 43 02.0	-0.2		
			cPP	01 45 45.0	-2.0		
			SKS	01 52 10.0	0.8		
			S	01 52 50.0	3.4		
			SMN			13.5	27.3
			sS	01 54 21.0	9.9		
			LN			13.0	6.90

GTA	98.8	309	-P	01 42 13.1	-1.2		
			pP	01 43 00.0	-1.2		
			sP	01 43 21.0	-0.3		
			SKS	01 52 32.0	0.6		
			S	01 53 25.0	2.9		
			SME			24.0	20.4
			LE			55.0	71.4
KSH	116.7	304	PKP	01 47 19.0	2.3		
			PP	01 48 22.0	-8.5		
			LE			16.0	4.40

1986 10 30

O=12 14 18.2 ± 0.14s

LAT=10.66 S ± 5.28km

LONG=165.47 E ± 2.81km

DEPTH= 36 km ± 1.79km

STATIONS USED = 15, STAND DEV = 2.50s

CN2	65.3	329	P	12 25 00.0	0.9		
BJI	68.0	321	cP	12 25 16.0	-0.5		
TIY	69.1	317	cP	12 25 24.6	1.3		
XAN	69.7	312	P	12 25 27.0	0.2		
GTA	78.6	314	P	12 26 20.0	1.2		

1986 10 30

O=20 10 59.7 ± 0.09s

LAT= 5.11 S ± 0.75km

LONG=152.64 E ± 0.40km

DEPTH= 54 km ± 0.89km

STATIONS USED = 20, STAND DEV = 1.12s

XAN	56.7	317	P	20 20 40.6	-0.4		
CD2	58.8	311	cP	20 20 55.8	0.2		
BTO	59.9	323	cP	20 21 04.0	0.5		
GTA	65.8	317	+P	20 21 42.5	0.4		
WMQ	75.9	317	P	20 22 42.5	-0.5		

1986 10 30

O=21 40 31.5 ± 0.07s

LAT= 1.81 N ± 0.97km

LONG=126.40 E ± 1.92km

DEPTH= 48 km ± 0.02km

STATIONS USED = 21, STAND DEV = 1.00s

XAN	36.0	335	P	21 47 29.0	-1.2		
BJI	39.2	348	(P)	21 47 56.5	-0.2		
SNY	39.9	357	cP	21 48 03.3	0.3		
LZII	40.0	331	cP	21 48 03.5	-0.3		
GTA	44.6	330	-P	21 48 40.8	-0.4		
WMQ	54.1	326	P	21 49 55.5	1.0		

1986 10 31

O=04 07 20.2 ± 0.14s

LAT=51.41 N ± 1.54km

LONG=175.77 W ± 0.97km

DEPTH= 42 km ± 1.21km

STATIONS USED = 33, STAND DEV = 1.38s

SNY	41.6	281	-iP	04 15 06.8	0.3		
BJI	47.2	284	cP	04 15 49.0	-2.3		
TIA	49.0	279	cP	04 16 05.3	-0.2		
TIY	50.9	284	+P	04 16 21.0	0.8		
WIIN	54.5	276	cP	04 16 46.5	-0.4		
XAN	55.5	283	+iP	04 16 53.4	-0.6		
GYA	62.2	278	P	04 17 40.0	-0.5		
KMI	65.6	280	cP	04 18 01.5	-1.4		

1986 10 31

O=10 44 47.3 ± 0.18s

LAT=44.76 N ± 0.61km

LONG= 81.32 E ± 0.81km

DEPTH= 14 km ± 1.90km

STATIONS USED = 10, STAND DEV = 3.62s

M_L=3.7/ 5,

WMQ	4.7	99	Pn	10 46 00.3	2.4		
			Pg	10 46 14.0	4.3		
			Sn	10 46 54.4	0.5		
			Sg	10 47 14.0	0.4		
			SMN			M _L =4.1	1.0 0.28
KSH	6.6	219	Pg	10 46 44.5	0.1		
			Sn	10 47 48.0	5.8		
GTA	14.7	105	+P	10 48 22.0	4.5		
			LN				1.0 0.010
			LE				0.9 0.0050

1986 10 31

O=11 24 40.2 ± 0.10s

LAT=39.11 N ± 1.87km

LONG= 71.18 E ± 1.33km

DEPTH= 52 km ± 0.58km

STATIONS USED = 35, STAND DEV = 2.18s

M_L=4.2/ 2,

KSH	3.7	83	cP	11 25 37.0	-0.3		
			S	11 26 20.0	0.9		

WMQ	13.2	64	P	11 27 47.0	-1.0
			LG ₁	11 31 44.2	7.9
			LN		2.0 0.090
GTA	22.1	80	cP	11 29 31.5	-1.9
LZH	26.0	86	cP	11 30 10.5	0.0
XAN	30.6	88	cP	11 30 52.4	0.6
GYA	32.2	102	P	11 31 07.0	1.0

1986 10 31

O=12 20 12.2 ± 0.04s

LAT=36.29 N ± 0.67km

LONG= 22.04 E ± 0.78km

DEPTH= 52 km ± 0.05km

STATIONS USED = 20, STAND DEV = 0.55s

WMQ	49.6	60	P	12 29 01.5	0.3
GTA	59.7	61	+P	12 30 13.5	-0.8
CD2	66.4	68	cP	12 30 58.0	-0.4
TIY	69.2	58	cP	12 31 15.8	-0.7
			S	12 40 21.5	5.7
BJI	70.6	54	cP	12 31 24.0	-0.4
GYA	70.8	71	P	12 31 25.8	-0.2
CN2	74.3	47	P	12 31 46.3	-0.3

1986 10 31

O=16 40 49.0 ± 0.19s

LAT= 9.42 S ± 1.83km

LONG=117.49 E ± 2.47km

DEPTH= 71 km ± 1.33km

STATIONS USED = 29, STAND DEV = 2.27s

GYA	37.2	344	P	16 47 57.0	1.5
KMI	37.2	338	-P	16 47 58.0	2.0
NJ2	41.3	2	cP	16 48 26.4	-2.8
CD2	42.2	342	cP	16 48 36.9	-0.1
XAN	44.0	350	cP	16 48 51.0	-0.5
TIY	47.1	355	P	16 49 16.1	-0.4
BJI	49.2	359	cP	16 49 31.5	-1.2
GTA	51.3	342	+P	16 49 48.1	-0.4
			ScP	16 54 54.2	3.7
CN2	53.5	7	-P	16 50 13.7	9.0
WMQ	59.5	335	P	16 50 46.8	-1.0