

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)	
1986 11 1 O=03 18 09.4 \pm 0.09s LAT=41.14 N \pm 1.88km LONG= 40.18 E \pm 1.24km DEPTH= 33 km \pm 0.02km STATIONS USED = 34, STAND DEV= 1.24s								XAN 12.9 54 -P 05 05 45.6 -1.3 pP 05 05 50.6 -1.9 S 05 08 04.0 -5.9 LG ₂ 05 09 45.0 -1.5 LN Ms=5.5 8.0 9.05 LE 7.0 4.20								
WMQ	34.8	69	P	03 25 00.0	0.7			QZN	14.7	120	cP	05 06 13.0	1.8			
LZH	49.0	74	P	03 26 56.5	0.8						pP	05 06 19.0	2.0			
			PMZ			1.0	0.0-10				eS	05 08 59.0	4.4			
CD2	51.4	80	cP	03 27 14.2	0.5						sS	05 09 08.0	4.0			
XAN	53.7	74	P	03 27 30.6	0.0						SS	05 09 16.0	4.9			
GYA	55.9	83	P	03 27 42.2	-4.8						LN	Ms=4.9		8.0	1.60	
BJI	55.9	64	cP	03 27 46.5	-0.6						LE			10.0	1.70	
CN2	60.2	56	cP	03 28 16.0	-1.0			GZH	15.9	101	-P	05 06 27.5	1.5			
NJ2	61.8	71	-P	03 28 27.8	-0.3						PMZ			3.0	2.13	
1986 11 1 O=05 02 42.1 \pm 0.09s LAT=27.02 N \pm 1.36km LONG= 96.39 E \pm 1.05km DEPTH= 21 km \pm 0.30km STATIONS USED = 81, STAND DEV= 1.75s Ms=5.3/43, m _B =5.7/23								WIIN 16.1 73 -iP 05 06 28.0 -1.6 PMZ 3.0 4.14 pP 05 06 34.0 -1.5 S 05 09 27.0 -0.3 SS 05 09 46.0 -0.3 LG ₂ 05 11 37.0 2.6 LE Ms=5.4 14.0 9.95								
KMI	6.0	107	-Pn	05 04 15.5	4.8			TIY	17.2	48	cP	05 06 42.4	-1.0			
			Sn	05 05 28.0	7.2						PMZ			1.3	0.10	
			LG ₁	05 05 59.0	7.9						sP	05 06 54.5	1.3			
			LE	Ms=5.2		10.0	26.8				SME	m _B =5.3		5.0	0.85	
CD2	7.5	57	-iPn	05 04 36.8	5.5						LG ₂	05 12 14.0	3.8			
			LN	Ms=5.7		6.0	29.8				LN	Ms=5.0		9.5	1.91	
GYA	9.2	91	+P	05 04 57.0	-0.1						LE			11.0	2.62	
			PMZ			3.0	3.10	BTO	17.6	36	P	05 06 47.0	-1.5			
			pP	05 05 02.0	-1.0						pP	05 06 52.0	-2.4			
			S	05 06 41.0	0.3						PP	05 07 01.5	-0.8			
			LN	Ms=5.1		9.0	5.70				cS	05 09 58.0	-4.3			
			LE			9.0	7.30				esS	05 10 09.0	-2.8			
LZH	11.0	33	+P	05 05 22.5	0.0						LN	Ms=5.7		10.0	9.00	
			PMZ			1.5	0.12				LE			10.0	8.10	
			S	05 07 31.0	5.1						P	05 06 55.0	-0.3			
			LG ₁	05 08 38.0	9.0						pP	05 07 02.5	1.2			
			LG ₂	05 08 55.0	8.5						PP	05 07 19.0	9.3			
			LN	Ms=5.7		10.0	17.4	WMQ	18.2	339	P	05 06 55.0	-0.3			
			LE			7.0	18.8				cS	05 10 16.0	1.1			
GTA	12.7	12	+iP	05 05 44.0	-0.6						sS	05 10 24.5	0.0			
			LG ₁	05 09 22.5	2.1						SS	05 10 37.0	-0.3			
			LG ₂	05 09 45.0	4.5						LN	Ms=4.9		10.0	2.20	
			LE	Ms=5.3		9.0	8.54	IIIIC	18.6	38	-P	05 07 02.0	1.0			

			S	05 10 30.0	5.6				LN	Ms = 5.1	14.0	1.89
			SMN	m _B = 5.5	6.0	1.43			LE		16.0	1.92
			LN	Ms = 5.8	10.0	7.55	CN2	28.8	47	+P	05 08 41.0	-0.2
			LE		11.0	14.0			PMZ	m _B = 5.7	4.0	0.60
TIA	19.9	57	eP	05 07 15.2	0.2				pP		05 08 48.0	-0.3
			PMZ	m _B = 5.7	5.0	1.66			eS		05 13 27.0	-1.6
			SMN	m _B = 5.7	9.0	2.34			SME	m _B = 5.4	7.0	0.70
			SME		9.0	2.15	MDJ	31.9	48	eP	05 09 08.0	-0.4
			LN	Ms = 5.2	12.0	3.99			eS		05 14 16.0	-0.9
			LE		12.0	2.06						
QZH	20.1	91	-P	05 07 16.0	-1.2							
			S	05 11 00.0	3.8							
			LN	Ms = 5.2	8.0	2.92						
NJ2	20.2	70	+iP	05 07 17.5	-0.8							
			PMZ	m _B = 6.0	5.0	3.60						
			pP	05 07 22.2	-2.8							
			sP	05 07 28.0	-0.7		MDJ	86.2	325	eP	11 11 15.5	0.3
			S	05 10 57.0	-1.3		WIIN	87.0	306	eP	11 11 22.5	3.4
			sS	05 11 09.0	0.3		SNY	87.6	320	-P	11 11 23.0	0.9
			LN	Ms = 5.6	8.0	7.70	CN2	87.8	322	P	11 11 23.0	-0.2
BJI	20.9	47	eP	05 07 26.0	-0.3		BJI	91.0	315	eP	11 11 38.0	-0.3
			PMZ	m _B = 5.5	4.0	0.80	TIY	92.2	311	eP	11 11 43.8	0.0
			eS	05 11 13.0	-0.8		XAN	92.7	307	eP	11 11 46.2	0.0
			SMN	m _B = 5.7	7.0	1.70						
			SME		5.0	0.70						
			LN	Ms = 5.4	9.0	4.00						
			LE		10.0	1.50						
KSH	21.0	311	+P	05 07 29.0	1.5							
			pP	05 07 36.0	1.8							
			sP	05 07 42.0	4.3							
			iS	05 11 23.0	6.8		MDJ	86.6	325	eP	11 14 20.0	-0.7
			LE	Ms = 5.5	11.0	7.70	SNY	88.0	320	eP	11 14 27.5	0.0
SSE	22.0	74	-P	05 07 37.4	0.0		CN2	88.2	322	P	11 14 28.0	-0.6
			PMZ		1.4	0.26					11 14 37.0	-1.3
			pP	05 07 47.5	3.1		TIA	88.6	312	eP	11 14 31.0	0.6
			SME	m _B = 5.8	12.0	4.52	BJI	91.4	315	eP	11 14 44.0	0.4
			sS	05 11 43.0	-3.0		TIY	92.6	311	eP	11 14 49.4	0.4
			ScP	05 15 00.0	-9.9		XAN	93.1	307	eP	11 14 52.6	1.3
			LN	Ms = 5.2	9.0	2.66						
DL2	24.2	54	eP	05 08 00.0	1.6							
			PMZ	m _B = 5.7	6.0	1.89						
			pP	05 08 07.0	1.6							
			SMN	m _B = 6.1	8.0	3.23						
			SME		8.0	3.29						
			LN	Ms = 5.2	14.0	2.68						
			LE		14.0	2.76						
SNY	26.7	49	+iP	05 08 22.0	-0.3		WIIN	29.2	337	eP	14 47 26.0	-0.4
			PMZ	m _B = 5.4	7.0	0.62	TIA	33.6	345	eP	14 48 04.1	-0.7
			S	05 12 58.0	3.9		XAN	34.5	333	eP	14 48 10.6	-2.5
			sS	05 13 14.0	7.2		DL2	35.3	353	eP	14 48 21.0	1.1
							TIY	36.3	340	eP	14 48 26.4	-2.2

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BJI	37.4	346	cP	14 48 37.5	-0.1					ScP	19 09 56.0	3.3					
SNY	38.0	356	cP	14 48 43.0	0.3					sS	19 11 51.0	-0.3					
GTA	43.2	329	cP	14 49 23.9	-1.9				DL2	46.7	353	+P	19 04 44.0	-2.2			
									TIY	47.4	343	+P	19 04 51.5	-0.2			
														PMZ		0.8	0.070
														pP	19 05 22.0	3.7	
														PP	19 06 47.0	3.2	
														S	19 11 39.5	4.5	
														LE		18.0	0.47
									BJI	48.7	348	cP	19 05 01.0	-0.7			
														cpP	19 05 31.0	2.6	
														cScP	19 10 11.0	3.7	
														cS	19 11 52.0	-2.1	
									LZH	49.0	334	+iP	19 05 05.0	0.4			
														PMZ		2.0	0.40
									SNY	49.4	356	+iP	19 05 06.0	-1.3			
														PMZ	$m_B = 5.4$	11.0	0.62
														pP	19 05 36.0	1.9	
														cS	19 11 56.5	-7.8	
														LN		24.0	0.84
									HHC	50.5	344	c(P)	19 05 18.5	2.3			
														LN		15.0	0.30
														LE		7.0	0.47
									BTO	50.8	342	cP	19 05 19.7	2.0			
														cpP	19 05 46.0	1.4	
														cPP	19 07 15.0	-0.9	
														cS	19 12 20.0	-3.3	
									CN2	51.3	358	+P	19 05 20.0	-1.5			
														PMZ	$m_B = 5.9$	6.0	0.90
														pP	19 05 49.0	0.5	
														PP	19 07 15.0	-5.5	
														cS	19 12 24.0	-6.1	
									MDJ	52.1	2	+P	19 05 26.8	-0.6			
														sP	19 06 10.0	2.1	
														cS	19 12 36.0	-4.9	
														ScS	19 15 07.0	5.4	
									GTA	53.6	333	+iP	19 05 38.6	-0.1			
														pP	19 06 05.5	-0.2	
														PP	19 07 40.0	-1.9	
														cS	19 13 01.2	-0.4	
														LE		11.0	0.25
									WMQ	62.8	328	+iP	19 06 43.0	-0.2			
														PMZ		1.2	0.13
														pP	19 07 14.0	2.9	
														PcP	19 07 19.5	0.1	
														S	19 15 02.5	2.0	
														ScS	19 16 22.0	2.3	
									KSH	67.0	319	P	19 07 11.0	0.4			
														pP	19 07 37.0	-1.7	
														cPP	19 09 44.0	3.5	

1986 11 1					SME					1.0	1.88		
O=20 06 08.1			± 0.25s		XAN	4.6	81	Pn	20 35 12.0	1.3			
LAT= 4.90 S			± 4.70km					Pg	20 35 27.0	2.8			
LONG=145.52 E			± 3.93km					Sg	20 36 30.5	2.9			
DEPTH= 55 km			± 1.45km					SMN	M _L =4.3	0.8	0.35		
STATIONS USED = 44,			STAND DEV = 2.33s					SME		0.8	0.47		
Ms=4.8/ 3,					GTA	6.6	335	Pn	20 35 39.3	1.0			
SSE	42.7	329	P	20 14 01.2	-0.4			Sg	20 37 25.0	-5.3			
			cS	20 20 22.0	1.7			LN	M _s =3.9	7.0	0.77		
			LN	M _s =4.7	20.0	0.60		GYA	7.5	157	Pn	20 35 54.2	4.1
NJ2	44.7	327	cP	20 14 19.5	1.8			pP	20 35 57.0	-1.9			
WHN	46.2	322	cP	20 14 30.0	0.4			Sn	20 37 20.0	4.0			
TIA	48.8	329	cP	20 14 48.7	-1.4			SMN	M _L =4.7	1.6	0.22		
SNY	50.6	339	cP	20 15 03.8	-0.5			SME		1.6	0.33		
			cS	20 22 06.0	-7.3			LE	M _s =4.0	10.0	1.10		
			LN	M _s =5.0	24.0	0.84		TIY	8.5	57	cP	20 36 08.2	1.8
			LE		24.0	0.57		Sg	20 38 26.0	-2.7			
KMI	51.2	308	cP	20 15 17.5	8.9			SMN	M _L =4.6	0.8	0.10		
MDJ	51.3	345	cP	20 15 09.2	-0.4			SME		0.8	0.17		
			pP	20 15 19.0	-4.1			BTO	8.9	35	cP	20 36 11.8	-0.1
CN2	51.7	342	(P)	20 15 14.0	1.3			cLG ₁	20 38 40.0	-1.6			
XAN	51.9	321	cP	20 15 12.8	-1.1			LG ₂	20 38 54.0	-1.7			
BJI	52.2	332	cP	20 15 13.0	-3.4			LN	M _s =4.1	12.0	0.80		
TIY	52.4	327	cP	20 15 17.6	0.0			LE		12.0	0.90		
CD2	53.5	315	(P)	20 15 24.4	-1.1			WIIN	9.7	104	cP	20 36 20.5	-2.7
BTO	55.8	328	cP	20 15 40.9	-1.5			LG ₂	20 39 20.0	-3.2			
LZH	56.4	320	P	20 15 56.5	10.1			LN	M _s =4.0	9.0	0.71		
			PMZ			2.5	0.080	NJ2	13.1	92	cP	20 37 08.0	-0.8
GTA	61.0	321	P	20 16 17.7	-1.1			WMQ	16.0	315	P	20 37 51.1	3.4
WMQ	71.0	320	cP	20 17 21.6	-1.3			CN2	20.0	52	cP	20 38 37.0	1.2
1986 11 1					1986 11 1								
O=20 34 02.3			± 0.12s		O=22 22 33.9			± 0.14s					
LAT=33.43 N			± 1.21km		LAT=51.25 N			± 3.46km					
LONG=103.41 E			± 1.30km		LONG=179.87 W			± 1.37km					
DEPTH= 31 km			± 0.17km		DEPTH= 33 km			± 0.11km					
STATIONS USED = 32,			STAND DEV = 2.65s		STATIONS USED = 42,			STAND DEV = 1.62s					
Ms=4.0/ 7, M _L =4.3/ 11,					SNY	39.1	279	-iP	22 30 01.8	1.4			
CD2	2.5	173	Pn	20 34 44.4	2.6			BJI	44.7	282	cP	22 30 48.0	1.6
			Pg	20 34 46.4	-0.8			TIA	46.5	277	cP	22 31 00.0	-0.5
			Sn	20 35 19.4	6.4			BTO	48.2	286	cP	22 31 14.8	1.3
			Sg	20 35 24.0	2.0			TIY	48.5	281	+P	22 31 17.2	1.3
			SMN	M _L =4.3	1.4	1.36		XAN	53.0	280	cP	22 31 50.0	-0.4
			SME		1.4	1.67		LZH	54.8	286	cP	22 32 04.0	0.6
			LN		6.0	4.48		GTA	55.0	291	+iP	22 32 05.1	0.1
LZH	2.7	8	Pn	20 34 46.5	2.6			WMQ	58.8	302	P	22 32 33.0	0.7
			Pg	20 34 52.0	2.3			KSH	68.1	306	cP	22 33 35.0	1.8
			Sn	20 35 22.0	5.4			1986 11 2					
			SMN	M _L =4.3	1.0	1.14		O=04 45 22.3			± 0.07s		

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LAT = 8.76 N ± 0.96km
 LONG = 127.45 E ± 1.75km
 DEPTH = 31 km ± 0.39km
 STATIONS USED = 27, STAND DEV = 1.40s

NJ2	24.5	342	cP	04 50 42.0	1.6
TIY	31.9	337	cP	04 51 48.9	1.6
BJI	32.7	344	cP	04 51 53.0	-1.8
CN2	34.9	357	(P)	04 52 14.0	0.1
BTO	35.3	337	cP	04 52 17.2	0.2
MDJ	35.8	3	cP	04 52 23.5	2.6
GTA	39.3	325	P	04 52 50.0	-0.4
WMQ	49.1	322	cP	04 54 07.8	-1.8

1986 11 2
 O = 15 52 11.7 ± 0.09s
 LAT = 38.41 N ± 1.72km
 LONG = 142.10 E ± 1.92km
 DEPTH = 47 km ± 1.05km
 STATIONS USED = 71, STAND DEV = 1.53s
 Ms = 4.2 / 5,

MDJ	11.2	307	cP	15 54 53.5	0.9
			SS	15 57 08.0	-3.2
CN2	13.7	298	cP	15 55 22.0	-2.9
SNY	14.6	289	-iP	15 55 39.6	2.7
DL2	16.0	278	cP	15 55 58.0	2.7
SSE	18.6	253	cP	15 56 28.0	-0.1
			csS	16 00 08.0	1.9
			LE	Ms=4.2	16.0 0.57
TIA	20.0	271	cP	15 56 41.9	-1.2
			LN	Ms=4.2	12.0 0.39
NJ2	20.0	259	cP	15 56 42.4	-0.9
			cS	16 00 20.0	-0.4
BJI	20.1	283	cP	15 56 42.5	-2.2
TIY	23.3	278	cP	15 57 15.8	-1.0
			LN	Ms=4.3	16.0 0.26
			LE		15.0 0.48
WHN	24.1	259	cP	15 57 25.0	0.6
BTO	24.8	285	cP	15 57 30.2	-0.8
			cS	16 01 43.0	-4.3
XAN	27.0	271	P	15 57 51.3	-0.6
GZH	28.9	246	+P	15 58 10.2	1.5
LZH	30.4	278	P	15 58 22.0	-0.2
GYA	32.0	259	P	15 58 36.0	-0.3
			S	16 03 48.0	5.7
CD2	32.2	268	P	15 58 37.6	-0.7
GTA	32.7	285	+P	15 58 42.4	0.0
			PcP	16 01 28.2	1.8
QZN	34.0	245	cP	15 58 50.2	-3.3
KMI	35.7	260	-P	15 59 09.0	0.6
WMQ	40.7	296	P	15 59 51.2	1.2

1986 11 2
 O = 22 56 37.5 ± 0.07s
 LAT = 40.85 S ± 1.89km
 LONG = 44.41 E ± 1.45km
 DEPTH = 9 km ± 0.27km
 STATIONS USED = 23, STAND DEV = 1.29s

KSH	85.0	24	cP	23 09 15.0	-0.4
			cS	23 19 47.0	3.4
KMI	85.1	51	cP	23 09 16.6	0.5
GYA	88.4	53	P	23 09 32.2	0.0
CD2	90.0	48	cP	23 09 38.8	-1.1
WMQ	92.9	30	P	23 09 51.5	-1.4
GTA	94.5	40	P	23 10 02.0	1.5

1986 11 3
 O = 02 06 17.8 ± 0.19s
 LAT = 27.64 S ± 2.77km
 LONG = 176.09 W ± 2.82km
 DEPTH = 31 km ± 0.37km
 STATIONS USED = 58, STAND DEV = 1.69s
 Ms = 5.4 / 15, m_B = 5.8 / 16

QZH	81.8	304	cP	02 18 38.0	1.9
			S	02 28 50.0	5.4
			SMN	m _B = 5.7	10.0 0.61
			LN	Ms = 5.2	18.0 0.60
SSE	83.6	310	cP	02 18 44.6	-0.7
			PMZ	m _B = 5.7	10.0 0.90
			sP	02 18 58.0	-0.2
			SKS	02 29 06.0	5.4
			S	02 29 12.0	9.2
			SS	02 34 28.0	-4.3
			LE	Ms = 5.5	16.0 0.97
GZH	84.7	299	cP	02 18 50.0	-1.0
			S	02 29 20.0	5.9
			SMN	m _B = 6.0	12.0 0.98
			SME		12.0 0.89
QZN	85.4	294	cP	02 18 57.0	2.8
			SKS	02 29 15.0	2.5
			cS	02 29 24.0	2.0
			SMN	m _B = 5.8	12.0 0.80
			SME		12.0 0.80
			SS	02 35 05.0	6.4
			LE	Ms = 5.2	13.0 0.40
NJ2	85.8	309	+P	02 18 56.5	0.4
			cS	02 29 23.0	-2.8
MDJ	87.3	324	cP	02 19 04.5	0.7
			pP	02 19 10.0	-3.0
			PP	02 22 34.0	4.2
			SKS	02 29 30.0	4.5



		S	02 29 46.0	6.8					SMN	$m_B = 6.5$	10.0	3.50	
		SS	02 35 36.0	9.0				BTO	96.4 313	cP	02 19 45.4	-0.7	
WHN	88.0 306	cP	02 19 06.5	-0.8						cpP	02 19 51.5	-3.7	
		pP	02 19 11.5	-5.0						cPP	02 23 38.0	-3.4	
		eSKS	02 29 34.0	3.9						SKS	02 30 19.0	1.2	
		eS	02 29 49.0	1.3						S	02 30 57.0	-2.6	
		SMN		$m_B = 5.8$	10.0	0.92				LN		$M_s = 5.5$	15.0 0.50
		LE		$M_s = 5.6$	18.0	1.32				LE			15.0 0.50
SNY	88.8 319	+P	02 19 08.0	-2.7				GTA	102.8 308	cP	02 20 16.0	1.2	
		sS	02 30 00.0	-9.5						SKS	02 30 54.0	4.5	
		LN		$M_s = 5.4$	19.0	0.72				LE		$M_s = 5.6$	16.5 0.96
		LE			20.0	0.48							
CN2	89.0 322	+P	02 19 11.0	-0.7									
		pP	02 19 17.0	-4.0									
		eSKS	02 29 35.0	-0.8									
		S	02 29 50.0	-4.6									
		SMN		$m_B = 6.0$	9.0	1.20							
TIA	89.3 312	cP	02 19 14.1	0.6									
		LE		$M_s = 5.5$	16.0	1.01							
GYA	91.7 299	P	02 19 25.0	0.6				KSH	4.1 54	cP	05 52 05.0	0.1	
		sP	02 19 37.0	-0.2						S	05 52 52.0	-0.3	
		SME		$m_B = 5.8$	9.0	0.70				SMN		$M_L = 4.7$	1.0 1.35
BJI	92.2 315	cP	02 19 28.0	1.5				LSA	17.8 109	P	05 55 02.7	-0.9	
		eSKS	02 30 00.0	5.5				GTA	22.2 75	+iP	05 55 50.0	2.2	
		eS	02 30 30.0	5.2				GYA	31.4 100	P	05 57 12.8	0.0	
		SMN		$m_B = 6.3$	10.0	2.20							
		SME			9.0	0.90							
		LN		$M_s = 5.5$	19.0	1.00							
TIY	93.3 311	cP	02 19 32.9	1.0									
		SKS	02 30 06.5	5.5									
		S	02 30 35.0	1.9									
		sS	02 30 44.5	-5.6									
		LN		$M_s = 5.4$	14.0	0.56							
		LE			15.0	0.38							
XAN	93.8 307	cP	02 19 34.8	0.7				MDJ	78.1 325	cP	10 40 32.5	0.0	
		eSKS	02 30 08.0	4.3				CN2	80.0 322	cP	10 40 42.0	-0.1	
		SMN		$m_B = 6.4$	11.0	2.76		WHN	80.5 306	cP	10 40 45.5	0.5	
		SME			11.0	1.59		BJI	83.7 315	cP	10 41 01.5	0.4	
KMI	94.1 296	cP	02 19 36.5	0.9				GYA	84.9 300	P	10 41 07.6	0.3	
		sP	02 19 46.0	-2.4				XAN	86.2 307	cP	10 41 13.8	0.7	
		eS	02 30 38.0	-4.1									
HHC	95.5 313	cP	02 19 45.0	2.9									
		SKS	02 30 23.0	9.7									
		S	02 30 56.0	3.8									
		SMN		$m_B = 6.1$	10.0	1.24							
		SME			10.0	0.56							
		sS	02 31 06.0	-3.4									
CD2	96.0 302	cP	02 19 44.6	0.2									
		SKS	02 30 24.0	8.0									
		S	02 30 53.0	-3.5									

1986 11 3
O = 05 51 02.3 ± 0.16s
LAT = 37.13 N ± 1.01km
LONG = 71.69 E ± 0.98km
DEPTH = 141 km ± 1.78km
STATIONS USED = 10, STAND DEV = 2.25s
 $M_L = 4.5 / 2,$

KSH 4.1 54 cP 05 52 05.0 0.1
S 05 52 52.0 -0.3
SMN $M_L = 4.7$ 1.0 1.35

LSA 17.8 109 P 05 55 02.7 -0.9
GTA 22.2 75 +iP 05 55 50.0 2.2
GYA 31.4 100 P 05 57 12.8 0.0

1986 11 3
O = 10 29 31.1 ± 0.09s
LAT = 17.92 S ± 0.46km
LONG = 178.53 W ± 1.07km
DEPTH = 585 km ± 0.89km
STATIONS USED = 26, STAND DEV = 0.84s

MDJ 78.1 325 cP 10 40 32.5 0.0
CN2 80.0 322 cP 10 40 42.0 -0.1
WHN 80.5 306 cP 10 40 45.5 0.5
BJI 83.7 315 cP 10 41 01.5 0.4
GYA 84.9 300 P 10 41 07.6 0.3
XAN 86.2 307 cP 10 41 13.8 0.7

1986 11 3
O = 13 52 03.5 ± 0.07s
LAT = 28.47 N ± 1.14km
LONG = 128.09 E ± 1.05km
DEPTH = 202 km ± 0.69km
STATIONS USED = 65, STAND DEV = 1.56s
 $m_B = 4.8 / 5$

SSE 6.5 295 -iP 13 53 38.0 -0.7
PMZ 1.0 0.80
S 13 54 54.0 1.4
SME $m_B = 4.5$ 8.0 0.47

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			LN	8.0	0.71			
NJ2	8.7	296	-P	13 54 06.5	-0.9			
			cS	13 55 42.0	-2.2			
QZH	9.2	250	+iP	13 54 13.0	-0.1			
			PMZ			3.0	1.17	
			S	13 55 55.0	0.8			
			LN			4.0	0.89	
DL2	11.7	334	P	13 54 52.0	6.3			
TIA	12.1	313	cP	13 54 50.2	0.1			
			cS	13 57 06.5	5.3			
WHN	12.1	283	iP	13 54 52.0	0.8			
			cS	13 57 03.0	-0.1			
SNY	13.8	346	+iP	13 55 13.2	0.9			
			PMZ	$m_B=4.8$		10.0	0.38	
			S	13 57 42.0	1.0			
			SME	$m_B=5.1$		6.0	0.54	
BJI	15.2	323	cP	13 55 29.5	0.7			
			cS	13 58 11.0	-0.4			
			SMN	$m_B=4.7$		8.0	0.32	
TIY	16.0	309	cP	13 55 41.0	1.6			
			PMZ			0.8	0.010	
			S	13 58 36.5	6.4			
			LN			13.0	0.32	
MDJ	16.2	4	cP	13 55 41.5	0.4			
XAN	17.3	294	P	13 55 53.6	-0.6			
GYA	19.1	269	P	13 56 13.0	-0.5			
			S	13 59 38.0	3.9			
BTO	19.1	314	cP	13 56 13.0	-0.7			
			esP	13 57 09.0	-2.9			
			cS	13 59 34.0	-1.5			
QZN	19.1	245	P	13 56 15.0	1.4			
CD2	21.3	283	cP	13 56 33.6	-1.4			
			(S)	14 00 08.0	-6.3			
LZH	21.8	297	(P)	13 56 45.0	4.5			
KMI	22.9	268	cP	13 56 52.0	1.4			
			pP	13 57 28.5	-5.7			
GTA	25.8	302	P	13 57 15.8	-2.1			
			PP	13 57 58.0	-10.0			
1986 11 4								
O=04 44 45.7 ± 0.09s								
LAT= 2.66 N ± 1.26km								
LONG=127.31 E ± 1.56km								
DEPTH= 67 km ± 0.31km								
STATIONS USED = 80, STAND DEV = 1.01s								
QZN	23.6	315	P	04 49 51.4	-0.1			
			sS	04 54 23.4	-0.7			
GZH	24.4	327	P	04 50 00.0	0.7			
SSE	28.9	349	P	04 50 41.0	0.5			
			PMZ			1.0	0.020	

NJ2	30.3	346	-P	04 50 54.4	1.1			
WHN	30.3	337	cP	04 50 55.5	2.0			
GYA	30.9	322	P	04 50 57.8	-0.6			
KMI	32.5	316	+P	04 51 13.0	-0.2			
TIA	34.7	345	-P	04 51 30.2	-1.2			
XAN	35.6	333	-P	04 51 38.4	-1.1			
CD2	35.8	324	P	04 51 40.2	-1.1			
DL2	36.4	353	P	04 51 47.0	0.7			
TIY	37.5	340	+iP	04 51 55.9	0.9			
			S	04 57 42.0	4.5			
BJI	38.6	346	-iP	04 52 05.0	1.0			
SNY	39.1	356	-iP	04 52 09.2	0.4			
LZH	39.7	330	cP	04 52 14.5	0.7			
HHIC	40.6	342	P	04 52 22.0	1.0			
BTO	40.9	340	cP	04 52 23.8	0.5			
CN2	41.0	358	-P	04 52 23.6	-0.6			
MDJ	41.8	2	-iP	04 52 31.2	0.2			
GTA	44.3	329	P	04 52 51.0	-0.4			
WMQ	53.9	325	P	04 54 04.5	-0.9			
1986 11 4								
O=08 58 57.1 ± 0.13s								
LAT=19.23 N ± 1.69km								
LONG=121.04 E ± 1.91km								
DEPTH= 28 km ± 0.60km								
STATIONS USED = 35, STAND DEV = 2.07s								
$M_s=4.2 / 5, M_L=3.6 / 3,$								
QZH	6.1	339	cPn	09 00 27.3	1.2			
			Sn	09 01 34.0	-3.2			
			SMN	$M_L=3.5$	0.2	0.020		
			SME		0.6	0.050		
			LN	$M_s=3.5$	25.0	1.38		
GZH	8.1	299	+P	09 00 54.0	-2.3			
			S*	09 02 50.0	0.6			
			LE	$M_s=4.2$	15.0	2.30		
QZN	10.6	271	+P	09 01 27.8	-2.3			
			S	09 03 21.6	-6.9			
			LE	$M_s=3.9$	12.0	0.60		
GYA	15.1	301	P	09 02 31.0	0.9			
			LE	$M_s=4.3$	14.0	0.90		
XAN	18.3	326	cP	09 03 11.6	1.0			
			cS	09 06 37.0	6.2			
TIY	19.9	340	c(P)	09 03 31.2	1.8			
			S	09 07 13.5	7.4			
			LN	$M_s=4.4$	18.0	1.09		
BJI	21.2	350	(P)	09 03 42.0	-0.5			
			cS	09 07 37.5	5.9			
SNY	22.6	5	-P	09 03 57.8	0.6			
1986 11 4								

O = 16 19 14.8 ± 0.11s							
LAT = 50.93 N ± 1.53km							
LONG = 89.19 E ± 1.64km							
DEPTH = 11 km ± 0.32km							
STATIONS USED = 87, STAND DEV = 1.75s							
Ms = 5.9 / 44, m _B = 5.4 / 12							
WMQ	7.2	189	Pn	16 21 02.0	1.7		
			Pg	16 21 26.0	4.4		
			LG ₂	16 23 04.0	-7.8		
			LE	Ms = 6.0	5.0	54.9	
GTA	13.7	143	-P	16 22 30.2	-2.0		
			LG ₁	16 26 21.0	-4.8		
			LN	Ms = 6.1	12.0	54.3	
			LE		12.0	23.3	
KSH	14.8	224	cP	16 22 52.0	6.3		
			S	16 25 36.0	6.5		
			LE	Ms = 6.3	8.0	56.2	
BTO	17.8	117	+P	16 23 23.0	-1.3		
			pP	16 23 28.0	-0.8		
			PP	16 23 37.0	-1.1		
			S	16 26 35.5	-4.0		
			LG ₁	16 28 26.5	-6.4		
			LG ₂	16 28 56.0	-5.0		
			LN	Ms = 6.0	11.0	19.0	
			LE		11.0	18.6	
LZH	18.2	139	P	16 23 31.0	1.4		
			PMZ		2.5	0.29	
			S	16 26 52.0	2.8		
			SMN	m _B = 5.6	6.0	1.97	
			LN	Ms = 5.9	11.0	14.2	
			LE		10.0	13.6	
HHC	18.5	114	+iP	16 23 32.0	-1.1		
			S	16 26 56.0	0.4		
			LG ₁	16 28 49.0	-6.3		
			LG ₂	16 29 24.0	-0.6		
			LN	Ms = 6.1	10.0	20.5	
			LE		10.0	23.1	
TIY	21.1	120	+P	16 24 01.8	-0.7		
			PMZ		1.4	0.31	
			sP	16 24 09.5	-1.3		
			PP	16 24 20.5	-4.3		
			S	16 27 45.0	-6.9		
			LN	Ms = 5.8	10.0	9.76	
			LE		9.0	8.51	
BJI	21.7	110	+P	16 24 08.0	-0.2		
			PMZ		3.0	0.53	
			cS	16 28 10.0	6.5		
			SMN	m _B = 5.2	12.0	1.00	
			SME		8.0	0.60	
			LN	Ms = 5.9	8.0	9.00	
XAN	22.2	132	+P				
			pP	16 24 22.2	9.3		
			S	16 24 18.0	-0.3		
			LN	Ms = 6.0	14.0	17.3	
			LE		12.0	15.7	
CD2	22.7	146	-iP	16 24 19.7	1.0		
			PMZ		0.9	0.060	
			cS	16 28 23.0	0.2		
			sS	16 28 29.6	-1.8		
			LE	Ms = 6.1	14.0	34.3	
TIA	24.8	116	-P	16 24 40.6	1.8		
			PMZ	m _B = 5.5	7.0	1.16	
			cS	16 29 00.0	1.2		
			LN	Ms = 5.8	11.0	8.94	
			LE		11.0	4.24	
SNY	25.2	98	+iP	16 24 42.0	-0.5		
			PMZ	m _B = 4.5	8.0	0.10	
			S	16 29 02.0	-2.5		
			sS	16 29 10.0	-4.2		
			LN	Ms = 5.9	10.0	4.56	
			LE		10.0	11.6	
CN2	25.4	92	+P	16 24 43.3	-0.7		
			PMZ	m _B = 5.8	4.0	0.90	
			pP	16 24 49.0	-0.4		
			cS	16 29 05.0	-3.0		
			SME		16.0	2.60	
			LG ₁	16 32 38.0	6.2		
			LG ₂	16 33 17.0	5.0		
DL2	25.7	105	cP	16 24 47.0	-0.1		
			LN	Ms = 5.4	10.0	3.92	
MDJ	27.6	87	cP	16 25 03.5	-1.2		
			cS	16 29 41.0	-3.7		
			LG ₁	16 33 38.0	-4.0		
			LG ₂	16 34 20.0	-5.7		
WHN	27.7	128	cP	16 25 04.0	-1.1		
			pP	16 25 10.0	-0.6		
			sS	16 29 50.0	-4.7		
			LE	Ms = 5.9	12.0	12.9	
KMI	27.8	153	-P	16 25 06.0	-0.6		
			S	16 29 49.0	2.2		
			LE	Ms = 5.7	10.0	7.10	
GYA	27.8	145	+P	16 25 06.0	-0.9		
			sP	16 25 16.0	0.9		
			PP	16 25 58.0	2.9		
			S	16 29 50.0	2.4		
			sS	16 30 06.0	8.4		
			LN	Ms = 5.8	10.0	4.00	
			LE		10.0	7.20	
NJ2	28.8	119	-P	16 25 14.5	-1.3		

			PMZ	$m_B = 5.9$	4.0	0.90	GTA	30.8	9	-P	02 28 21.2	-0.8			
			S	16 30 02.0	-1.8					PcP	02 31 17.0	1.1			
			LN	$M_s = 5.9$	8.0	7.30				S	02 33 18.2	4.4			
SSE	30.9	118	cP	16 25 33.0	-0.8					ScP	02 34 50.3	4.9			
			PMZ			1.0	0.060			ScS	02 38 46.3	5.6			
			pP	16 25 42.0	2.6			NJ2	32.8	42	-P	02 28 40.0	0.7		
			eS	16 30 36.0	-0.6			KSII	34.1	335	P	02 28 49.0	-2.4		
			LN	$M_s = 5.5$	12.0	3.16				PP	02 30 04.0	-4.9			
			LE			12.0	2.98			S	02 34 09.0	2.4			
GZH	33.5	137	cP	16 25 56.0	-1.1					SMN			3.0	0.55	
			(S)	16 31 20.0	1.9			TIA	34.5	35	cP	02 28 55.5	1.3		
			LN	$M_s = 5.7$	14.0	2.90		BTO	34.7	22	cP	02 28 55.0	-0.7		
			LE			14.0	5.50	WMQ	35.0	353	P	02 28 58.4	-0.5		
QZN	35.8	145	+P	16 26 16.0	-0.5					PMZ			2.0	0.080	
			cS	16 31 48.0	-5.3					pP	02 29 25.0	-1.4			
			LN	$M_s = 5.6$	12.0	2.70				S	02 34 21.0	0.8			
			LE			11.5	2.60	BJI	36.9	29	cP	02 29 15.0	0.9		
										pP	02 29 43.0	1.1			
								SNY	42.0	34	-iP	02 29 56.3	-0.4		
										S	02 36 04.0	-1.0			
										SS	02 39 20.0	8.2			
								CN2	44.3	33	+P	02 30 16.0	0.3		
								MDJ	47.2	35	cP	02 30 38.0	0.1		
1986 11 4															
O = 20 58 16.7 ± 0.23s															
LAT = 6.05 S ± 1.62km															
LONG = 153.42 E ± 2.28km															
DEPTH = 49 km ± 2.02km															
STATIONS USED = 15, STAND DEV = 2.77s															
XAN	57.9	317	cP	21 08 07.5	0.4										
LZH	62.6	316	cP	21 08 41.0	2.3										
GTA	67.0	317	-iP	21 09 09.0	1.6										
1986 11 5															
O = 02 22 16.0 ± 0.13s															
LAT = 9.03 N ± 2.19km															
LONG = 93.60 E ± 1.92km															
DEPTH = 126 km ± 0.57km															
STATIONS USED = 67, STAND DEV = 1.32s															
KMI	18.2	27	-P	02 26 22.5	0.3										
			pP	02 26 38.5	4.5										
			cS	02 29 40.0	1.7										
			LE			14.0	0.54								
QZN	18.6	56	cP	02 26 27.0	0.7										
			pP	02 26 51.0	7.2										
			cS	02 29 52.0	5.5										
			LN			16.0	1.30								
GYA	21.3	34	P	02 26 49.2	-5.0										
CD2	23.7	22	-P	02 27 18.0	0.2										
			PMZ			0.9	0.080								
			S	02 31 20.9	0.8										
LZH	28.5	18	P	02 28 11.5	10.1										
			PMZ			1.0	0.060								
XAN	28.6	27	P	02 28 01.0	-1.8										
WHN	28.9	39	cP	02 28 09.0	3.9										
1986 11 5															
O = 09 02 20.0 ± 0.07s															
LAT = 30.00 N ± 0.55km															
LONG = 99.58 E ± 0.56km															
DEPTH = 7 km ± 0.31km															
STATIONS USED = 5, STAND DEV = 3.63s															
$M_L = 3.3 / 2,$															
CD2	3.7	75	cP*	09 03 21.1	-1.9										
			Pg	09 03 30.8	5.1										
			Sg	09 04 16.8	0.3										
1986 11 5															
O = 17 32 36.3 ± 0.08s															
LAT = 14.15 N ± 1.39km															
LONG = 120.53 E ± 1.86km															
DEPTH = 95 km ± 1.15km															
STATIONS USED = 75, STAND DEV = 1.58s															
$m_B = 5.3 / 3$															
QZII	10.9	351	+P	17 35 10.0	-0.6										
GZH	11.2	324	-P	17 35 12.3	-2.4										
			S	17 37 09.0	-9.2										
			LE			12.0	0.89								
QZN	11.3	297	P	17 35 14.8	-1.8										
			S	17 37 13.5	-8.0										
			LN			14.0	0.80								
SSE	16.9	2	+P	17 36 28.5	0.5										

			PMZ		1.0	0.040			SMN	$m_B = 5.6$	10.0	0.56
			sP	17 36 56.0	-0.3				TIY	87.6 310	cP	20 58 35.5 1.9
			cS	17 39 34.0	2.5				XAN	89.0 306	cP	20 58 41.0 1.0
WHN	17.3	342	cP	17 36 34.5	1.5				GTA	97.5 309	cP	20 59 21.2 1.7
			sP	17 36 58.0	-3.4							
			cS	17 39 46.0	5.5							
			SMN	$m_B = 5.3$		6.0	0.54					
GYA	17.8	315	P	17 36 42.0	1.9							
			pP	17 36 57.0	1.8							
			sP	17 37 05.6	-2.8							
			S	17 40 00.0	7.7							
NJ2	17.9	355	+P	17 36 41.8	1.3							
			PMZ	$m_B = 5.3$		6.0	0.90					
KMI	20.0	306	-P	17 37 05.0	1.2							
			S	17 40 46.0	8.5							
			LN			14.0	0.50					
TIA	22.2	353	cP	17 37 26.2	0.5							
			cS	17 41 22.0	2.9							
			SMN	$m_B = 5.4$		10.0	0.84					
XAN	22.4	334	+P	17 37 28.1	0.0							
			S	17 41 29.0	6.3							
CD2	22.7	320	-iP	17 37 22.4	-8.6							
			PMZ			0.8	0.19					
			S	17 41 37.0	9.3							
TIY	24.5	344	cP	17 37 48.5	-0.2							
			S	17 42 02.5	3.3							
			LE			11.0	0.16					
BJI	26.1	352	cP	17 38 03.0	0.0							
LZH	26.5	329	cP	17 38 07.5	0.6							
SNY	27.7	5	+iP	17 38 16.8	-1.1							
BTO	27.9	343	cP	17 38 21.0	1.1							
CN2	29.8	7	+P	17 38 35.2	-1.9							
GTA	31.1	328	P	17 38 48.0	0.0							
MDJ	31.3	12	cP	17 38 49.5	-0.6							
WMQ	40.7	323	P	17 40 11.4	1.5							
KSH	46.5	311	iP	17 40 58.0	2.0							
			cpP	17 41 17.0	-1.1							
			cS	17 47 40.0	3.6							
1986 11 5												
O = 20 46 02.5 ± 0.16s												
LAT = 15.73 S ± 2.50km												
LONG = 173.23 W ± 1.24km												
DEPTH = 169 km ± 0.79km												
STATIONS USED = 18, STAND DEV = 2.67s												
$m_B = 5.6 / 2$												
MDJ	79.4	322	cP	20 57 50.5	-1.5							
CN2	81.4	320	-P	20 58 02.6	-0.3							
BJI	85.8	313	cP	20 58 25.0	0.1							
			PMZ	$m_B = 5.6$		5.0	0.50					
1986 11 6												
O = 00 16 39.8 ± 0.11s												
LAT = 18.01 S ± 2.21km												
LONG = 178.30 W ± 2.04km												
DEPTH = 597 km ± 1.33km												
STATIONS USED = 71, STAND DEV = 1.26s												
$m_B = 5.5 / 11$												
QZH	74.8	303	-iP	00 27 22.0	-0.2							
			iS	00 36 13.5	0.8							
SSE	75.9	310	cP	00 27 27.0	-1.1							
			PMZ			1.0	0.040					
			S	00 36 24.0	1.4							
			SME	$m_B = 5.3$		7.0	0.47					
			LE			4.0	0.24					
NJ2	78.1	309	-P	00 27 40.0	0.1							
			PMZ	$m_B = 5.3$		5.0	0.70					
			S	00 36 47.0	1.3							
			SME	$m_B = 5.2$		8.0	0.40					
			SKS	00 36 51.0	-2.5							
GZH	78.3	299	+P	00 27 42.0	1.1							
MDJ	78.3	325	+iP	00 27 41.6	0.4							
			iS	00 36 54.0	4.2							
			SME	$m_B = 6.1$		7.0	2.79					
			ScS	00 37 12.0	6.9							
QZN	79.6	294	P	00 27 48.4	0.5							
			sP	00 30 50.0	-1.3							
			cS	00 37 01.0	-1.7							
SNY	80.1	320	+P	00 27 49.8	-0.8							
			iS	00 37 10.0	1.9							
			SME			14.0	1.05					
CN2	80.2	322	-iP	00 27 50.8	0.0							
			PMZ			3.0	0.40					
			cpP	00 29 58.0	2.2							
			sP	00 30 58.0	3.5							
			iS	00 37 13.0	4.5							
			SME	$m_B = 5.8$		7.0	1.50					
WHN	80.7	306	P	00 27 54.0	0.2							
			S	00 37 14.0	1.3							
			SME	$m_B = 5.9$		5.0	1.27					
			ScS	00 37 26.0	1.0							
TIA	81.4	312	cP	00 27 57.2	0.1							
			S	00 37 21.0	1.9							
			SME	$m_B = 5.5$		7.0	0.65					
BJI	83.9	315	cP	00 28 10.0	0.2							
			cSKS	00 37 38.0	4.0							

		eS	00 37 48.0	2.6			
		SMN	$m_B = 5.5$	6.0	0.58		
		sS	00 41 36.0	8.3			
GYA	85.2	300	-P	00 28 16.2	0.2		
TIY	85.4	312	-iP	00 28 17.5	0.4		
		PMZ			1.2	0.13	
		S	00 38 02.5	4.8			
		SME	$m_B = 5.3$	9.0	0.40		
XAN	86.4	307	-iP	00 28 22.2	0.4		
		iS	00 38 12.5	3.7			
		SMN	$m_B = 5.8$	7.0	0.83		
		SME		7.0	0.53		
HHC	87.4	314	+iP	00 28 27.0	0.3		
KMI	88.0	297	-P	00 28 31.0	1.6		
		S	00 38 29.0	7.8			
		SMN		0.3	0.30		
BTO	88.4	314	P	00 28 32.0	0.9		
		csP	00 31 40.0	3.3			
		cSKS	00 38 02.0	-0.4			
		cS	00 38 24.0	-2.7			
CD2	89.2	303	cP	00 28 35.8	0.8		
		S	00 38 30.0	-2.3			
LZH	91.0	308	P	00 28 44.5	1.0		
		PMZ			1.5	0.14	
GTA	95.2	310	-P	00 29 01.9	-0.4		

					$M_s = 5.0 / 31,$		$m_B = 5.8 / 16$		
		QZH	17.4	336	+iP	02 52 23.0	-0.4		
		PMZ				$m_B = 5.4$	7.0	1.36	
		pP	02 52 36.5	1.9					
		S	02 55 32.5	0.7					
		SS	02 55 56.0	1.1					
		LN		$M_s = 4.5$	15.0	1.06			
		LE			15.0	0.61			
		GZH	18.7	320	-iP	02 52 39.2	0.8		
		S	02 56 08.0	8.4					
		LN		$M_s = 5.0$	22.0	3.51			
		LE			22.0	3.52			
		QZN	18.7	304	P	02 52 41.0	1.6		
		pP	02 52 55.0	4.0					
		SMN		$m_B = 6.1$	7.0	3.90			
		SME			9.0	2.20			
		SS	02 56 31.5	3.7					
		LN		$M_s = 5.0$	15.0	3.10			
		LE			14.0	2.00			
		SSE	22.4	349	cP	02 53 18.0	0.1		
		PMZ				1.0	0.46		
		pP	02 53 32.0	0.0					
		sP	02 53 42.5	3.5					
		S	02 57 22.0	7.9					
		SMN		$m_B = 5.9$	8.0	1.27			
		SME			9.0	2.13			
		sS	02 57 44.0	5.2					
		LN		$M_s = 4.4$	10.0	0.44			
		NJ2	23.9	344	+iP	02 53 33.0	0.9		
		PMZ		$m_B = 5.5$	5.0	1.20			
		S	02 57 48.0	8.2					
		SME		$m_B = 5.8$	8.0	1.70			
		WIIN	24.1	334	cP	02 53 34.0	-0.1		
		pP	02 53 48.0	-0.3					
		sP	02 53 58.0	2.8					
		S	02 57 44.0	0.7					
		SMN		$m_B = 6.0$	10.0	3.51			
		sS	02 58 18.0	9.5					
		LE		$M_s = 5.0$	20.0	3.60			
		GYA	25.4	315	P	02 53 46.8	0.2		
		S	02 58 10.0	5.1					
		PcS	03 00 56.4	0.0					
		LE		$M_s = 4.9$	15.0	1.90			
		KMI	27.5	308	+P	02 54 06.0	-0.2		
		pP	02 54 24.0	3.7					
		cS	02 58 39.0	-1.6					
		LE		$M_s = 5.1$	13.0	2.30			
		TIA	28.3	344	cP	02 54 12.1	-1.0		
		S	02 58 53.5	1.5					
		SMN		$m_B = 5.3$	9.0	0.70			

1986 11 6

O=02 21 23.2 ± 0.10s
 LAT=36.40 N ± 1.77km
 LONG= 79.26 E ± 1.50km
 DEPTH= 30 km ± 0.66km
 STATIONS USED = 13, STAND DEV = 2.86s

$M_L = 4.3 / 4,$

KSH	4.0	321	cPn	02 22 28.0	4.8		
			Pg	02 22 36.0	1.9		
			Sn	02 23 16.0	5.4		
			Sg	02 23 28.0	-1.0		
			LE		2.0	3.00	
WMQ	9.8	38	cP	02 23 44.0	-1.8		
			SMN		1.0	0.090	
GTA	16.5	73	P	02 25 19.7	5.3		
			LN		0.9	0.010	
			LE		1.0	0.010	

1986 11 6

O=02 48 23.1 ± 0.09s
 LAT= 9.05 N ± 0.89km
 LONG=126.25 E ± 1.23km
 DEPTH= 63 km ± 0.74km
 STATIONS USED = 95, STAND DEV = 1.47s

			sS	02 59 22.0	3.8				S	03 00 46.0	0.4			
			LN	Ms=5.0	12.0	1.05			SME	m _B =5.9	6.0	1.46		
			LE		13.0	1.11			sS	03 01 13.0	0.6			
XAN	29.5	330	+P	02 54 22.0	-2.3				SS	03 03 10.0	1.8			
			PP	02 55 15.5	-5.4			GTA	38.4	326	+iP	02 55 39.9	-0.4	
			PcP	02 57 29.4	2.1				PcP	02 57 53.5	1.2			
			cS	02 59 06.0	-6.9				ScS	03 05 44.2	2.4			
			LN	Ms=4.9	11.0	0.83		WMQ	48.2	323	+iP	02 56 59.5	-0.1	
			LE		12.0	0.76			PMZ			2.0	0.38	
DL2	30.0	353	P	02 54 28.8	0.4				pP	02 57 17.6	3.0			
			S	02 59 20.0	0.5				PcP	02 58 24.0	-1.3			
			LE	Ms=5.1	14.0	1.84			PP	02 58 52.5	1.8			
CD2	30.2	319	cP	02 54 29.5	-0.7				S	03 03 54.0	2.5			
			LN	Ms=5.3	22.0	4.62			sS	03 04 23.0	4.0			
TIY	31.1	339	+P	02 54 37.4	-1.1				LN	Ms=5.3	30.0	3.32		
			S	02 59 38.0	0.8			KSH	54.0	313	+iP	02 57 44.0	0.3	
			ScP	03 01 07.0	-0.3				PcP	02 58 46.0	-0.8			
			PcS	03 01 19.0	4.7				S	03 05 19.0	7.2			
			LN	Ms=4.8	14.0	0.93			LN	Ms=5.1	12.0	0.67		
			LE		16.5	0.61								
BJI	32.1	345	cP	02 54 46.0	-1.1									
			PcP	02 57 36.0	1.9				1986 11 6					
			cS	02 59 55.0	1.3				O=04 12 58.2	± 0.08s				
			SME	m _B =5.3	6.0	0.46			LAT=39.43 N	± 1.14km				
			ScS	03 05 13.0	4.9				LONG=73.06 E	± 0.90km				
			LN	Ms=4.5	10.0	0.33			DEPTH=74 km	± 0.54km				
SNY	32.7	356	+iP	02 54 52.6	0.3				STATIONS USED = 18,	STAND DEV = 1.77s				
			pP	02 55 06.5	-0.5				M _L =4.7/2,					
			iS	03 00 04.0	1.1			KSH	2.3	88	cP	04 13 36.0	1.4	
			sS	03 00 30.0	1.4						S	04 14 07.0	6.1	
			LN	Ms=5.1	21.0	1.97					SME	M _L =5.1	0.5	13.1
			LE		20.0	1.20		WMQ	11.8	63	cP	04 15 43.0	-2.7	
LZH	33.8	326	-P	02 55 01.5	0.1			GTA	20.6	82	P	04 17 35.0	0.6	
			PMZ			1.5	0.14							
			LN	Ms=4.9	13.0	1.00			1986 11 6					
HHC	34.2	340	+P	02 55 05.0	-0.5				O=15 17 14.3	± 0.12s				
BTO	34.6	338	P	02 55 07.0	-1.3				LAT=8.61 S	± 1.06km				
			cpP	02 55 24.0	1.0				LONG=159.09 E	± 0.15km				
			csP	02 55 34.0	4.2				DEPTH=171 km	± 1.19km				
			ScP	03 01 21.0	1.9				STATIONS USED = 34,	STAND DEV = 1.18s				
			LN	Ms=5.0	16.0	1.20		NJ2	55.8	318	+P	15 26 36.5	0.4	
			LE		16.0	1.00		MDJ	59.3	336	cP	15 27 00.5	-0.3	
CN2	34.6	359	+iP	02 55 08.5	-0.1			CN2	60.4	333	-P	15 27 07.4	-1.1	
			PMZ	m _B =5.6	5.0	0.50					cpP	15 27 47.0	-0.8	
			pP	02 55 28.0	4.5			GYA	61.7	306	P	15 27 17.0	0.0	
			cS	03 00 32.0	-0.3			BJI	62.6	324	cP	15 27 22.0	-0.8	
			ScS	03 05 21.0	0.0			XAN	63.7	315	+P	15 27 29.2	-1.1	
MDJ	35.6	4	+iP	02 55 17.6	1.1						PcP	15 28 07.5	3.5	
			sP	02 55 42.0	3.9			CD2	66.0	309	cP	15 27 49.6	4.7	
			PP	02 56 38.0	1.2			BTO	66.6	321	cP	15 27 48.7	-0.5	
								LZH	68.3	314	cP	15 28 00.5	0.7	

CN2	38.8	282	+iP	18 34 23.0	-0.2					sP	18 36 13.5	4.9					
			PMZ		$m_B = 5.9$	5.0	1.00			PP	18 37 59.0	7.4					
			PP	18 35 55.0	-1.0					cS	18 43 04.5	-1.3					
			eS	18 40 16.0	-2.7					sS	18 43 13.5	-7.2					
SNY	41.0	281	+iP	18 34 42.0	0.2					LN	$M_s = 5.6$	17.0	1.85				
			PMZ			15.0	1.64			LE		19.0	3.32				
			PP	18 36 13.0	-6.6				WHN	53.9	275	cP	18 36 21.5	-1.2			
			ScP	18 40 30.0	2.5							cS	18 43 54.0	-0.8			
			PcS	18 40 36.0	4.8							SMN	$m_B = 5.9$	8.0	1.24		
			eS	18 40 49.0	-3.1							LE	$M_s = 5.4$	16.0	1.89		
			LN	$M_s = 5.5$		30.0	5.16		XAN	54.9	282	+P	18 36 28.6	-1.3			
			LE			28.0	3.59					PP	18 38 35.0	1.6			
DL2	43.9	278	P	18 35 08.0	2.3							S	18 44 04.0	-2.7			
			S	18 41 38.0	3.9							LN	$M_s = 5.5$	18.0	2.56		
			LN	$M_s = 5.5$		14.0	1.34		QZH	55.2	267	+P	18 36 32.0	-0.3			
			LE			14.0	2.48					S	18 44 13.5	2.3			
BJI	46.6	283	cP	18 35 27.0	0.2							LN	$M_s = 5.2$	17.0	1.14		
			PMZ		$m_B = 5.8$	7.0	1.02		LZH	56.6	287	+P	18 36 41.5	-0.7			
			S	18 42 14.0	1.9							PMZ		1.5	0.28		
			SMN	$m_B = 5.9$		9.0	1.50					SMN	$m_B = 5.7$	10.0	1.02		
			LN	$M_s = 5.7$		19.0	5.26					LN	$M_s = 5.8$	15.0	3.30		
			LE			20.0	1.93		GTA	56.7	293	P	18 36 42.0	-1.1			
TIA	48.4	279	cP	18 35 41.7	0.6							PMZ	$m_B = 5.8$	10.0	1.37		
			S	18 42 38.0	0.1							S	18 44 32.0	1.1			
			LN	$M_s = 5.7$		18.0	2.89					SMN	$m_B = 5.4$	10.0	0.53		
			LE			18.0	3.28					LE	$M_s = 5.9$	22.0	6.89		
HHC	48.9	287	+P	18 35 45.0	0.1				GZH	59.8	270	cP	18 37 05.0	0.0			
			S	18 42 42.8	-1.6							PMZ	$m_B = 5.8$	8.0	1.10		
			PS	18 42 50.0								S	18 45 17.0	5.0			
			LN	$M_s = 5.6$		16.0	2.96					LN	$M_s = 5.3$	22.0	1.68		
			LE			16.0	1.71		CD2	60.2	283	P	18 37 06.8	-0.6			
SSE	49.3	271	iP	18 35 48.7	1.0							PMZ		1.0	0.12		
			PMZ			1.0	0.040					S	18 45 17.9	1.5			
			sP	18 36 03.0	2.5							LE	$M_s = 5.6$	20.6	3.15		
			PP	18 37 43.0	1.7				WMQ	60.3	304	P	18 37 08.0	-0.5			
			S	18 42 50.0	0.1							PcP	18 37 52.8	0.5			
			sS	18 43 12.0	6.1							S	18 45 19.7	1.3			
			ScS	18 45 36.0	2.4							LN	$M_s = 5.9$	20.0	5.97		
			LN	$M_s = 5.5$		19.0	1.80		GYA	61.6	277	P	18 37 15.8	-1.0			
			LE			20.0	2.31					S	18 45 36.0	2.0			
BTO	50.0	288	-iP	18 35 53.8	0.6							LE	$M_s = 5.6$	20.0	2.90		
			cPP	18 37 46.0	-2.2							KMI	65.0	279	cP	18 37 38.5	-0.8
			S	18 43 00.0	0.6							sP	18 37 56.5	4.4			
			LN	$M_s = 6.0$		18.0	5.20					S	18 46 21.0	4.6			
			LE			20.0	6.50					SMN	$m_B = 5.7$	11.0	1.04		
NJ2	50.1	273	+P	18 35 53.8	-0.1							LE	$M_s = 5.6$	18.0	2.12		
			S	18 43 00.0	-1.1				QZN	65.0	269	cP	18 37 40.8	1.3			
			LN	$M_s = 5.4$		16.0	2.10					eS	18 46 26.0	7.5			
TIY	50.3	283	+iP	18 35 56.5	0.6							sS	18 46 42.0	8.3			
			PMZ			1.0	0.11					LN	$M_s = 5.5$	22.0	2.20		

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1986 11 6
 O = 19 33 19.7 ± 0.08s
 LAT = 44.14 N ± 2.14km
 LONG = 146.23 E ± 1.49km
 DEPTH = 104 km ± 1.28km
 STATIONS USED = 56, STAND DEV = 1.39s

MDJ	11.9	278	cP	19 36 08.0	0.5		
CN2	15.0	276	cP	19 36 44.8	-2.4		
SNY	16.7	270	+P	19 37 10.8	1.6		
BJI	22.6	270	cP	19 38 12.0	-0.6		
TIA	23.5	260	cP	19 38 21.6	0.2		
			LN			12.0	2.89
SSE	23.6	245	P	19 38 23.4	1.1		
			PMZ			0.5	0.020
NJ2	24.6	250	+P	19 38 32.0	0.5		
HHC	25.7	275	+iP	19 38 43.0	1.1		
TIY	26.2	268	cP	19 38 48.2	1.3		
BTO	26.9	275	cP	19 38 53.0	0.1		
WHN	28.6	252	cP	19 39 07.0	-1.1		
XAN	30.4	264	cP	19 39 23.8	-1.2		
LZH	33.1	271	-P	19 39 48.5	0.2		
			PMZ			1.5	0.050
GTA	34.6	279	-P	19 40 01.0	0.1		
			PcP	19 42 34.2	1.3		
CD2	35.8	263	cP	19 40 10.4	-0.7		
GYA	36.4	254	P	19 40 15.0	-1.2		
KMI	40.0	256	cP	19 40 46.0	-0.1		
KSH	51.1	291	cP	19 42 16.0	1.4		
			S	19 49 24.0	1.8		

1986 11 6
 O = 19 45 40.4 ± 0.15s
 LAT = 51.18 N ± 1.59km
 LONG = 176.35 W ± 1.12km
 DEPTH = 45 km ± 1.38km
 STATIONS USED = 35, STAND DEV = 1.53s

CN2	39.1	283	cP	19 53 04.4	-0.9		
SNY	41.3	281	cP	19 53 23.4	-0.4		
BJI	46.9	284	cP	19 53 52.0	-16.2		
HHC	49.2	288	-P	19 54 27.4	0.5		
BTO	50.3	288	-iP	19 54 53.7	19.3		
NJ2	50.4	274	cP	19 54 30.0	-5.5		
XAN	55.2	283	cP	19 55 10.6	-1.0		
LZH	56.9	288	+P	19 55 23.5	-0.5		
			PMZ			1.5	0.070
GTA	57.1	293	P	19 55 24.0	-1.1		
CD2	60.5	284	cP	19 55 48.5	-0.5		
GYA	61.9	278	P	19 55 58.4	0.2		

1986 11 6
 O = 20 16 14.2 ± 0.12s
 LAT = 37.86 N ± 2.57km
 LONG = 139.74 E ± 2.59km
 DEPTH = 37 km ± 1.22km
 STATIONS USED = 18, STAND DEV = 2.73s
 Ms = 4.1 / 3,

MDJ	10.2	315	cP	20 18 42.0	0.7		
CN2	12.3	303	cP	20 19 11.4	1.0		
SSE	16.7	252	cP	20 20 08.0	0.7		
			LE			Ms = 3.9	10.0 0.25
BJI	18.5	284	P	20 20 28.0	-1.0		
TIY	21.6	278	cP	20 21 17.7	15.4		
GTA	31.1	285	cP	20 22 23.0	-8.5		

1986 11 6
 O = 20 47 57.2 ± 0.07s
 LAT = 17.07 N ± 0.73km
 LONG = 145.80 E ± 1.02km
 DEPTH = 480 km ± 0.39km
 STATIONS USED = 29, STAND DEV = 0.85s

GZH	31.0	286	cP	20 53 37.0	0.8		
WHN	31.6	301	cP	20 53 41.0	-0.3		
CN2	31.7	331	cP	20 53 41.0	-1.2		
QZN	34.2	279	P	20 54 03.5	0.4		
XAN	37.1	304	cP	20 54 26.7	-0.3		
GYA	37.4	291	P	20 54 30.0	0.2		
			pP	20 55 58.0	1.1		
			PcP	20 56 37.0	0.5		
			S	20 59 53.4	9.6		
CD2	40.6	298	cP	20 54 55.1	-0.4		
LZH	41.6	305	cP	20 55 04.5	0.1		
GTA	45.6	309	+iP	20 55 35.6	0.0		
			pP	20 57 04.2	-1.9		
			ScP	21 00 10.1	0.6		
			eS	21 01 40.0	-3.2		

1986 11 6
 O = 22 16 27.3 ± 0.11s
 LAT = 39.52 N ± 1.96km
 LONG = 72.85 E ± 1.24km
 DEPTH = 47 km ± 0.85km
 STATIONS USED = 18, STAND DEV = 2.55s
 M_L = 4.0 / 2,

KSH	2.4	91	-iP	22 17 07.5	1.7		
			S	22 17 39.0	5.9		
			LE			3.0	7.35
WMQ	11.9	64	cP	22 19 15.1	-2.3		
GTA	20.8	82	P	22 21 07.0	-0.4		

1986 11 6														
O=23 23 02.9			± 0.07s		WHN	24.8	333	LN	Ms=5.2	9.0	2.10			
LAT=52.25 N			± 1.97km					eP	00 29 40.0	-1.2				
LONG=153.64 E			± 1.29km					eS	00 33 50.0	-8.9				
DEPTH=396 km			± 0.29km					SMN	m _B =5.7	9.0	1.78			
STATIONS USED = 30,			STAND DEV = 1.03s					sS	00 34 14.0	-1.1				
CN2	20.6	257	+P	23 27 13.4	-0.2			LN	Ms=5.0	13.0	2.03			
TIY	32.1	260	eP	23 28 55.7	-1.3			GYA	26.2	315	P	00 30 05.2	11.5	
NJ2	32.3	245	+P	23 29 00.0	1.3			LN	Ms=5.3	16.0	3.30			
XAN	36.7	258	eP	23 29 34.7	-0.9			LE		16.0	3.10			
LZH	38.4	265	-P	23 29 50.5	0.7			KMI	28.3	308	eP	00 30 12.0	-1.8	
			PMZ			1.5	0.050	eS	00 34 47.0	-9.7				
GTA	38.8	273	-P	23 29 53.3	0.4			LE	Ms=5.1	15.0	2.56			
WMQ	43.5	286	P	23 30 31.9	0.8			TIA	28.9	343	eP	00 30 17.9	-1.0	
GYA	43.5	252	P	23 30 30.2	-0.9			eS	00 35 04.0	-1.8				
								SME	m _B =5.3	10.0	0.82			
								LN	Ms=5.2	12.0	1.66			
								LE		15.5	1.64			
								XAN	30.3	329	eP	00 30 29.6	-1.5	
								DL2	30.6	352	eP	00 30 35.0	1.5	
								S	00 35 35.0	4.1				
								LN	Ms=5.1	14.0	1.79			
								CD2	31.0	319	(P)	00 30 38.0	0.5	
								S	00 35 40.0	2.2				
								LN	Ms=5.4	14.0	3.72			
								TIY	31.9	338	eP	00 30 44.8	0.0	
								S	00 35 55.0	4.2				
								SME	m _B =5.1	9.5	0.40			
								ScS	00 41 15.0	4.7				
								LE	Ms=4.9	13.0	0.97			
								SNY	33.3	355	+P	00 30 56.0	-1.0	
								PMZ	m _B =5.8	5.0	0.72			
								pP	00 31 07.2	0.2				
								S	00 36 12.5	-0.3				
								SME	m _B =5.6	10.0	1.15			
								LN	Ms=5.1	18.0	2.26			
								LZH	34.6	326	eP	00 31 05.0	-3.3	
								LN	Ms=5.3	15.0	2.37			
								HHC	34.9	339	e(P)	00 31 11.5	0.0	
								S	00 36 40.0	1.2				
								LN	Ms=5.0	14.0	1.00			
								LE		13.0	0.73			
								CN2	35.1	358	+P	00 31 12.0	-1.0	
								pP	00 31 23.0	0.0				
								ePP	00 32 31.0	-0.8				
								eS	00 36 42.0	-0.6				
								SS	00 38 59.0	0.0				
								BTO	35.3	337	eP	00 31 14.6	0.1	
								cpP	00 31 26.0	1.6				
								ePP	00 32 35.0	1.3				
								S	00 36 46.0	1.9				

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			LN	Ms = 5.2	16.0	1.20	
			LE		16.0	1.80	
MDJ	36.0	3	cP	00 31 22.0	1.7		
			pP	00 31 32.0	1.6		
			PP	00 32 45.0	3.0		
			PcP	00 33 49.0	3.0		
			eS	00 36 56.0	0.2		
			SME	m _B = 5.5	8.0	0.76	
			sS	00 37 16.0	3.2		
			SS	00 39 18.0	-0.8		
GTA	39.2	326	P	00 31 45.0	-2.1		
WMQ	49.0	323	P	00 33 05.0	-1.0		
KSH	54.9	313	cP	00 34 02.0	12.7		
			LE	Ms = 5.4	14.0	1.60	

KSH	53.6	7	P	14 53 14.0	-0.6
GYA	54.3	42	P	14 53 19.8	0.1
CD2	55.7	36	cP	14 53 29.2	-0.7
			S	15 01 19.3	5.5
WMQ	60.0	15	P	14 53 59.8	-0.5
GTA	60.4	27	+iP	14 54 02.3	-0.4
XAN	61.0	37	+iP	14 54 05.6	-1.1
WHN	62.1	44	cP	14 54 14.2	0.1
TIY	65.6	37	cP	14 54 37.4	0.3
BTO	66.2	33	cP	14 54 42.0	0.5
HHIC	67.3	34	-P	14 54 49.0	1.1
BJI	69.3	37	cP	14 55 00.0	-0.5
SNY	74.8	39	cP	14 55 33.0	-0.4
CN2	77.1	38	+P	14 55 45.0	-1.2
MDJ	80.0	39	cP	14 56 01.5	-0.9

1986 11 7

O = 03 52 47.4 ± 0.33s
 LAT = 22.04 N ± 4.79km
 LONG = 120.35 E ± 3.33km
 DEPTH = 40 km ± 1.60km
 STATIONS USED = 26, STAND DEV = 4.09s
 Ms = 4.1 / 4, M_L = 3.5 / 4,

QZH	3.3	331	cP	03 53 32.0	-6.1
			S	03 54 07.0	-9.0
			SMN	M ₁ = 3.4	0.7 0.10
			SME		0.7 0.17
			LN	Ms = 3.6	5.0 0.85
GZH	6.6	280	cP	03 54 22.6	-1.3
			LN	Ms = 4.1	6.0 1.16
WHN	10.0	329	cP	03 55 20.5	8.4
QZN	10.3	255	cP	03 55 14.4	-1.3
			eS	03 57 12.8	2.3
			LN	Ms = 4.0	11.0 0.70
GYA	13.2	292	P	03 56 01.0	5.5
			SS	03 58 39.8	2.6
			LN	Ms = 4.4	6.0 0.70
XAN	15.6	322	cP	03 56 30.0	3.4
CD2	17.3	304	cP	03 56 47.0	-0.4
			S	04 00 04.0	8.4
BJI	18.3	350	P	03 57 01.5	1.5
CN2	22.1	10	cP	03 57 40.0	-1.1
MDJ	23.8	17	cP	03 57 56.5	-0.9

1986 11 7

O = 15 55 47.7 ± 0.13s
 LAT = 18.33 N ± 1.70km
 LONG = 146.98 E ± 3.57km
 DEPTH = 74 km ± 1.50km
 STATIONS USED = 28, STAND DEV = 2.35s

CN2	31.2	329	cP	16 02 09.0	6.4
BJI	34.2	316	cP	16 02 33.5	4.6
GYA	38.0	290	P	16 03 01.4	0.4
GTA	45.7	308	P	16 04 02.7	-1.4
WMQ	55.5	311	P	16 05 17.0	-0.9

1986 11 7

O = 16 49 52.6 ± 0.13s
 LAT = 35.13 N ± 1.25km
 LONG = 111.02 E ± 1.12km
 DEPTH = 12 km ± 0.25km
 STATIONS USED = 17, STAND DEV = 4.30s
 M_L = 3.4 / 10,

XAN	2.1	238	Pg	16 50 27.0	-1.9
			Sg	16 50 56.5	-0.4
			SMN	M _L = 2.9	0.6 0.10
			SME		0.4 0.080
TIA	5.1	76	cPg	16 51 21.2	-1.2
			Sg	16 52 25.1	-6.6
			SMN	M _L = 3.2	0.6 0.040
			SME		0.6 0.020
WHN	5.4	148	cPg	16 51 34.5	7.2
GYA	9.4	205	Pn	16 52 09.4	0.6
GTA	9.9	299	cP	16 52 13.3	-4.9
			LG ₁	16 55 07.2	3.7
			LN		1.0 0.010

1986 11 7

O = 14 43 50.2 ± 0.08s
 LAT = 14.05 S ± 1.62km
 LONG = 69.18 E ± 1.54km
 DEPTH = 9 km ± 0.12km
 STATIONS USED = 46, STAND DEV = 0.88s

KMI	50.9	40	+P	14 52 55.0	0.9
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1986 11 7

O = 18 40 01.9 ± 0.27s				LE 170 170			
LAT = 23.24 N ± 0.71km				NJ2 86.2 310 +iP 20 01 38.0 -0.3			
LONG = 117.36 E ± 1.11km				PMZ m _B = 6.5 7.0 3.30			
DEPTH = 27 km ± 2.29km				S 20 12 04.0 -4.1			
STATIONS USED = 13, STAND DEV = 3.22s				SS 20 17 42.0 -9.0			
M _L = 3.7 / 8,				MDJ 88.0 325 cP 20 01 48.0 1.0			
QZH	2.0	33	cPn 18 40 36.5 1.5	PP 20 05 16.0 0.9			
			Sn 18 41 02.0 0.9	SKS 20 12 15.0 5.7			
			Sg 18 41 06.0 -0.1	S 20 12 30.0 4.9			
			SMN M _L = 3.6 0.3 0.35	ScS 20 12 36.0 5.8			
			SME 0.2 0.54	SS 20 18 16.0 -1.0			
GZH	3.7	268	cPg 18 41 05.8 -1.6	WHN 88.5 306 P 20 01 50.0 0.9			
			Sg 18 41 54.4 -3.7	PMZ m _B = 6.5 7.0 2.50			
			SMN M _L = 3.4 0.5 0.040	cSKS 20 12 16.0 3.8			
			SME 0.5 0.16	S 20 12 34.0 4.7			
QZN	8.2	241	cPg 18 42 33.8 7.5	SME m _B = 6.2 10.0 2.22			
			cSg 18 44 21.6 3.7	LN Ms = 6.0 18.0 3.53			
1986 11 7				DL2 88.6 316 P 20 01 50.0 0.0			
O = 19 48 58.2 ± 0.16s				PMZ m _B = 6.5 6.0 2.26			
LAT = 28.63 S ± 3.31km				pP 20 02 01.0 1.1			
LONG = 176.34 W ± 5.36km				sS 20 12 40.0 -9.2			
DEPTH = 34 km ± 1.26km				LN Ms = 6.1 16.0 2.52			
STATIONS USED = 78, STAND DEV = 2.23s				LE 16.0 2.58			
Ms = 6.0 / 30,				SNY 89.4 320 +iP 20 01 53.0 -0.5			
m _B = 6.3 / 26				PMZ m _B = 6.2 10.0 1.73			
QZH	82.2	304	+iP 20 01 17.0 -0.9	iS 20 12 33.0 -6.5			
			cS 20 11 27.0 -2.6	SMN m _B = 6.4 11.5 3.68			
			SME 16.0 5.10	SME 10.5 1.04			
			LE Ms = 6.0 18.0 3.51	LN Ms = 5.9 19.0 2.40			
SSE	84.1	310	+iP 20 01 26.0 -1.6	LE 22.0 1.97			
			PMZ m _B = 6.2 7.0 1.79	CN2 89.6 322 +P 20 01 53.0 -1.7			
			sP 20 01 40.0 -1.3	PMZ m _B = 6.4 6.0 1.50			
			PP 20 04 38.0 -4.5	SKS 20 12 17.0 -2.3			
			cS 20 11 40.0 -8.7	S 20 12 32.0 -8.2			
			sS 20 12 08.0 3.1	SMN m _B = 6.4 9.0 3.10			
			SS 20 17 18.0 -0.7	TIA 89.8 312 cP 20 01 56.0 0.3			
			LN Ms = 5.8 18.0 2.18	PMZ m _B = 6.6 7.0 2.90			
GZH	85.0	300	+P 20 01 32.5 0.1	SKS 20 12 26.5 5.9			
			PMZ m _B = 6.3 8.0 2.56	SMN 14.0 9.31			
			S 20 11 58.0 1.4	SME 11.5 3.33			
			SMN m _B = 6.2 12.0 1.70	LN Ms = 6.1 16.0 2.48			
			SME 13.0 2.16	LE 16.0 2.62			
			LE Ms = 5.8 16.0 2.13	GYA 91.9 299 P 20 02 07.2 1.6			
QZN	85.6	294	+P 20 01 35.5 0.4	LN Ms = 6.0 16.0 2.50			
			SKS 20 11 57.0 3.5	BJI 92.7 315 P 20 02 09.0 0.1			
			S 20 12 05.0 3.1	cSKS 20 12 39.0 1.8			
			SMN 13.0 1.90	cS 20 13 18.0 8.9			
			SME 13.0 1.70	SMN m _B = 6.7 9.0 5.64			
			cSS 20 17 45.0 3.5	SME 9.0 2.73			
			LN Ms = 5.8 16.0 1.50	LN Ms = 5.9 16.0 2.16			

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TIY	93.8	311	+P	20 02 14.5	0.5		
			SKS	20 12 50.0	6.8		
			S	20 13 12.0	-4.8		
			sS	20 13 30.0	-4.9		
			PS	20 14 47.0			
			LN	Ms=6.0	16.0	1.95	
			LE		17.0	2.00	
XAN	94.2	307	+P	20 02 16.4	0.5		
			ePP	20 06 04.0	-0.6		
			SKS	20 12 51.0	5.5		
			LN	Ms=6.0	17.0	2.25	
			LE		16.0	2.10	
KMI	94.3	296	+P	20 02 18.0	1.4		
			PMZ	m _B =6.3	7.0	0.95	
			sP	20 02 32.0	1.8		
			SME	m _B =6.2	8.0	1.60	
HHC	96.1	313	-P	20 02 26.0	1.6		
			SKS	20 13 02.5	6.9		
			S	20 13 41.0	4.8		
			sS	20 14 04.0	9.6		
			PS	20 15 25.5			
			LN	Ms=6.1	14.0	0.85	
			LE		17.0	3.08	
CD2	96.4	302	P	20 02 26.0	0.2		
			SKS	20 13 03.7	6.5		
			S	20 13 33.0	-5.9		
BTO	96.9	313	P	20 02 29.0	0.7		
			ePP	20 06 19.0	-6.4		
			SKS	20 13 04.0	4.2		
			S	20 13 40.0	-3.5		
			PS	20 14 00.0			
			LN	Ms=6.1	17.0	1.70	
LZH	98.8	306	eP	20 02 38.5	1.5		
			eSKS	20 13 15.0	4.9		
			cS	20 14 05.0	3.2		
			SMN	m _B =6.4	10.0	2.30	
GTA	103.2	308	LE	Ms=5.8	17.0	1.83	
			ePdif	20 02 57.5	0.9		
			ePP	20 07 20.0	6.5		
WMQ	113.3	308	SKS	20 13 37.0	5.9		
			SMN		10.0	0.89	
			LN	Ms=5.8	18.0	1.67	
			ePKP	20 07 26.0	-7.4		
KSH	120.6	301	ePKP	20 07 52.0	4.3		
			PP	20 09 15.0	-2.9		
			SKS	20 14 54.0	0.6		
			LN	Ms=6.1	16.0	2.45	

O=20 58 53.5 ± 0.32s
 LAT=28.54 S ± 4.57km
 LONG=176.37 W ± 6.18km
 DEPTH= 44 km ± 3.57km
 STATIONS USED = 46, STAND DEV = 2.40s

QZN	85.5	294	cP	21 11 28.5	-0.4
			cS	21 21 54.0	-1.8
NJ2	86.1	310	+P	21 11 32.8	0.9
MDJ	87.9	325	P	21 11 40.7	0.1
WHN	88.4	306	cP	21 11 42.5	-0.3
SNY	89.3	320	cP	21 11 44.3	-2.8
CN2	89.5	322	+P	21 11 48.0	-0.3
TIA	89.8	312	+P	21 11 49.9	0.5
GYA	91.9	299	P	21 12 00.6	1.2
BJI	92.6	315	cP	21 12 02.5	-0.1
TIY	93.7	311	cP	21 12 08.6	0.9
			S	21 23 14.0	5.2
			sS	21 23 26.0	-5.1
XAN	94.1	307	cP	21 12 10.0	0.4
KMI	94.3	296	cP	21 12 12.0	1.6
CD2	96.3	302	cP	21 12 11.2	-8.3
GTA	103.1	308	cP	21 12 49.0	-1.3

1986 11 8

O=00 09 25.1 ± 0.06s
 LAT=28.42 S ± 1.22km
 LONG=176.46 W ± 1.47km
 DEPTH= 35 km ± 0.33km

STATIONS USED = 34, STAND DEV = 1.05s

SSE	83.8	310	cP	00 21 55.0	1.7
NJ2	86.0	310	-P	00 22 04.5	0.5
MDJ	87.8	325	cP	00 22 12.2	-0.5
WHN	88.2	306	cP	00 22 15.0	0.1
SNY	89.1	320	-iP	00 22 18.7	-0.5
CN2	89.4	322	-P	00 22 19.0	-1.4
TIA	89.6	312	-P	00 22 21.8	0.3
GYA	91.7	299	P	00 22 32.2	0.7
BJI	92.5	315	cP	00 22 34.0	-0.7
			eSKS	00 33 06.0	3.5
			cS	00 33 42.0	8.2
TIY	93.6	311	+P	00 22 39.5	-0.3
			SKS	00 33 13.0	4.4
			S	00 33 42.0	0.4
			sS	00 33 57.0	-3.2
			PS	00 35 15.0	
XAN	94.0	307	cP	00 22 40.6	-1.1
			SKS	00 33 09.0	-2.0
CD2	96.2	302	cP	00 22 53.2	1.5

1986 11 7

1986 11 8

O = 04 22 37.7 ± 0.11s
LAT = 28.23 S ± 2.18km
LONG = 176.65 W ± 3.24km
DEPTH = 32 km ± 1.04km
STATIONS USED = 32, STAND DEV = 1.91s
M_s = 5.4 / 3, m_B = 5.7 / 2

NJ2	85.7	310	-P	04 35 16.5	0.8
MDJ	87.5	325	cP	04 35 24.5	0.1
			cS	04 46 12.0	9.7
WHN	88.0	306	cP	04 35 27.5	0.8
SNY	88.9	320	cP	04 35 29.6	-1.3
CN2	89.1	322	-P	04 35 31.5	-0.7
TIA	89.4	312	cP	04 35 35.2	1.9
		LN		M _s = 5.1	14.0 0.30
GYA	91.5	299	-P	04 35 46.0	2.6
BJI	92.2	315	cP	04 35 45.0	-1.5
TIY	93.3	311	cP	04 35 52.2	0.6
		SKS		04 46 30.5	9.9
		sS		04 47 10.5	0.3
		SMN		m _B = 5.6	10.0 0.53
		PS		04 48 28.0	
		LE		M _s = 5.6	21.0 1.49
XAN	93.8	307	cP	04 35 55.5	1.9
		SKS		04 46 28.0	5.0
		SMN		m _B = 5.7	11.0 0.69
		SME			11.0 0.27
KMI	93.9	296	cP	04 35 57.5	3.1
CD2	95.9	302	cP	04 36 06.8	3.3

1986 11 8
O = 04 57 42.8 ± 0.17s
LAT = 28.78 S ± 1.21km
LONG = 176.15 W ± 2.20km
DEPTH = 50 km ± 1.74km
STATIONS USED = 16, STAND DEV = 1.75s

MDJ	88.2	325	cP	05 10 30.5	-0.2
WHN	88.7	306	cP	05 10 29.0	-3.9
CN2	89.8	322	+P	05 10 37.0	-1.4
TIA	90.1	312	cP	05 10 39.6	0.1

1986 11 8
O = 09 39 59.4 ± 0.11s
LAT = 52.46 N ± 5.05km
LONG = 169.62 W ± 2.23km
DEPTH = 25 km ± 1.49km
STATIONS USED = 45, STAND DEV = 1.18s

CN2	42.8	285	-P	09 47 56.5	-1.1
SNY	45.1	284	-P	09 48 16.2	0.2
BJI	50.6	287	cP	09 48 58.5	-0.3
TIA	52.6	283	cP	09 49 24.3	11.3

BTO	53.8	292	cP	09 49 22.0	-0.8
TIY	54.3	287	cP	09 49 27.0	0.3
NJ2	54.4	278	cP	09 49 27.0	0.0
WHN	58.2	280	cP	09 49 53.0	-1.2
XAN	58.9	287	cP	09 49 59.0	-0.5
GTA	60.3	297	P	09 50 07.8	-1.3
LZH	60.4	292	cP	09 50 09.0	-0.9
WMQ	63.4	308	(P)	09 50 24.7	-4.9
CD2	64.2	288	cP	09 50 35.4	0.4
GYA	65.8	282	P	09 50 44.8	-0.4
KMI	69.1	284	cP	09 51 06.5	0.2

1986 11 8
O = 11 22 18.9 ± 0.18s
LAT = 15.54 S ± 1.84km
LONG = 173.97 W ± 2.19km
DEPTH = 104 km ± 1.05km
STATIONS USED = 35, STAND DEV = 1.97s

MDJ	78.8	323	P	11 34 11.0	-1.6
NJ2	79.8	307	cP	11 34 18.0	0.0
CN2	80.8	320	+P	11 34 23.0	-0.5
SNY	81.0	318	-iP	11 34 29.8	5.4
BJI	85.2	314	cP	11 34 46.0	0.5
TIY	86.9	310	cP	11 34 55.1	0.9
XAN	88.3	306	P	11 35 01.0	0.4
HHIC	88.7	313	-P	11 35 04.6	1.8
BTO	89.7	312	cP	11 35 08.0	0.5
GTA	96.8	309	+P	11 35 39.6	-0.7

1986 11 8
O = 12 09 10.0 ± 0.14s
LAT = 0.29 S ± 1.46km
LONG = 123.90 E ± 1.51km
DEPTH = 92 km ± 1.28km
STATIONS USED = 33, STAND DEV = 1.83s

NJ2	32.5	352	-P	12 15 35.5	1.0
CD2	36.5	330	cP	12 16 08.2	0.0
XAN	36.9	339	cP	12 16 10.0	-2.2
TIY	39.3	346	cP	12 16 32.0	0.3
BJI	40.8	351	P	12 16 43.0	-0.8
SNY	41.9	360	-P	12 16 54.0	0.5
GTA	45.2	334	P	12 17 20.2	-0.3

1986 11 8
O = 14 54 42.1 ± 0.11s
LAT = 28.41 S ± 2.22km
LONG = 176.18 W ± 2.72km
DEPTH = 37 km ± 1.06km
STATIONS USED = 34, STAND DEV = 1.82s
m_B = 5.5 / 3

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NJ2	86.2	310	cP	15 07 23.0	1.3		
MDJ	87.9	325	cP	15 07 30.0	-0.1		
			eS	15 18 18.0	8.8		
WHN	88.4	306	cP	15 07 30.5	-2.1		
SNY	89.3	320	cP	15 07 35.9	-0.8		
CN2	89.5	322	cP	15 07 37.0	-0.9		
TIA	89.8	312	cP	15 07 39.9	0.8		
			SKS	15 18 10.0	6.4		
BJI	92.6	315	P	15 07 53.5	1.2		
			SMN	$m_B = 5.5$	10.0	0.42	
TIY	93.7	311	cP	15 07 57.5	0.1		
			sS	15 19 15.5	-3.4		
			SMN	$m_B = 5.6$	11.0	0.57	
			PS	15 20 30.0			
XAN	94.2	306	cP	15 08 01.0	1.6		
			SKS	15 18 33.0	4.3		
			SMN	$m_B = 5.5$	11.0	0.46	
KMI	94.4	296	cP	15 08 00.0	-0.4		
CD2	96.4	302	cP	15 08 08.0	-1.4		

1986 11 8

O = 18 24 31.0 ± 0.13s
 LAT = 27.19 N ± 1.56km
 LONG = 92.36 E ± 1.48km
 DEPTH = 32 km ± 0.11km
 STATIONS USED = 16, STAND DEV = 3.11s

GYA	12.8	90	P	18 27 34.4	0.7		
XAN	15.8	60	cP	18 28 12.2	-0.7		
WMQ	17.0	348	P	18 28 30.3	1.9		
BTO	19.8	43	cP	18 28 56.0	-5.7		

1986 11 9

O = 03 29 42.1 ± 0.19s
 LAT = 30.40 N ± 1.81km
 LONG = 103.08 E ± 1.85km
 DEPTH = 22 km ± 0.72km
 STATIONS USED = 10, STAND DEV = 4.79s

$M_L = 3.6 / 7,$

CD2	0.8	49	cPn	03 29 58.2	-0.2		
			Sn	03 30 09.1	-1.8		
			SMN	$M_L = 3.6$	0.4	1.66	
			SME		0.4	2.13	
GYA	5.0	140	Pn	03 31 06.0	8.9		
			S*	03 32 09.4	2.3		
			SMN	$M_L = 3.4$	0.8	0.050	
XAN	6.1	52	cPn	03 31 11.6	-0.5		
			Sn	03 32 18.0	-5.7		
			Sg	03 32 51.2	-3.2		
			SMN	$M_L = 3.7$	1.0	0.040	
			SME		1.0	0.060	

1986 11 9

O = 12 16 23.0 ± 0.06s
 LAT = 52.32 N ± 3.04km
 LONG = 168.43 W ± 1.36km
 DEPTH = 31 km ± 0.70km
 STATIONS USED = 61, STAND DEV = 1.14s

$M_s = 4.8 / 2,$

MDJ	40.7	285	cP	12 24 01.5	-1.0		
			cS	12 30 08.0	-2.7		
CN2	43.6	286	+iP	12 24 25.8	-0.6		
			cS	12 30 51.0	-2.6		
SNY	45.9	285	+iP	12 24 45.2	0.5		
			cS	12 31 24.5	-1.9		
			LN	$M_s = 4.8$	21.0	0.68	
TIA	53.3	284	+P	12 25 41.6	-0.3		
HHIC	53.5	292	P	12 25 43.8	0.6		
SSE	54.4	276	+P	12 25 50.5	0.8		
			PMZ			1.2	0.040
BTO	54.5	292	+P	12 25 51.0	0.1		
			cPP	12 27 55.0	1.2		
			cS	12 33 24.0	-2.8		
TIY	55.1	288	-iP	12 25 55.6	0.7		
			LE	$M_s = 4.9$	15.0	0.48	
NJ2	55.1	279	-P	12 25 55.0	-0.2		
WIIN	58.9	281	cP	12 26 22.0	-0.1		
XAN	59.7	287	+iP	12 26 27.0	-0.4		
LZII	61.1	292	+P	12 26 37.5	-0.1		
			PMZ			1.5	0.080
WMQ	64.0	309	+iP	12 26 56.4	-0.2		
CD2	64.9	289	cP	12 27 03.1	0.6		
GYA	66.5	283	+P	12 27 12.6	0.0		

1986 11 9

O = 12 27 40.7 ± 0.06s
 LAT = 15.98 S ± 0.50km
 LONG = 174.94 W ± 0.76km
 DEPTH = 306 km ± 0.49km

STATIONS USED = 26, STAND DEV = 0.76s

CN2	80.6	321	-P	12 39 21.2	-0.3		
TIA	82.5	311	cP	12 39 31.3	0.1		
BJI	84.8	314	P	12 39 43.0	0.1		
XAN	87.8	306	cP	12 39 57.0	-0.4		

1986 11 9

O = 12 57 52.0 ± 0.07s
 LAT = 36.39 N ± 1.03km
 LONG = 71.19 E ± 0.97km
 DEPTH = 141 km ± 0.49km

STATIONS USED = 23, STAND DEV = 1.58s

M _L = 4.9 / 2,						M _s = 4.7 / 22, M _L = 4.4 / 3,					
KSH	4.9	50	P	12 59 07.0	2.3	GTA	6.1	27	-Pn	14 12 18.8	2.3
			S	13 00 02.0	1.8				cSn	14 13 26.0	-2.4
			SME		M _L = 5.0 0.5 2.07				LG ₁	14 13 54.0	-3.2
WMQ	14.6	54	P	13 01 14.3	0.8				LE	M _s = 4.4 10.0 4.06	
GTA	22.7	74	-iP	13 02 45.4	2.3	LZH	6.6	70	ePn	14 12 25.5	2.1
									eLG ₁	14 14 07.0	-5.9
									LG ₂	14 14 14.0	-9.4
									LN	M _s = 4.7 10.0 6.60	
						CD2	7.1	114	cPn	14 12 35.5	5.1
									S*	14 14 05.2	-6.8
									LE	M _s = 5.0 6.5 7.28	
						KMI	10.6	146	cP	14 13 19.0	-1.8
									cS	14 15 12.0	-8.3
									LN	M _s = 4.6 9.0 2.20	
						XAN	10.6	86	cP	14 13 18.3	-2.4
									LG ₁	14 16 22.5	5.0
									LN	M _s = 5.8 12.0 45.9	
						GYA	11.8	127	P	14 13 35.0	-2.5
									S	14 15 43.0	-6.6
									LN	M _s = 4.6 8.0 1.50	
						WMQ	11.8	328	+iP	14 13 36.0	-1.5
									LG ₁	14 16 58.5	2.3
									LN	1.7 0.17	
						BTO	12.8	55	cP	14 13 43.0	-8.0
									cPP	14 13 53.0	-7.7
									LG ₁	14 17 22.0	-5.6
									LN	M _s = 4.4 12.0 0.70	
									LE	12.0 1.30	
						TIY	13.7	70	cP	14 14 01.5	-1.1
									S	14 16 42.5	7.6
									LN	M _s = 4.6 10.0 1.82	
						WIIN	15.7	98	cP	14 14 29.0	-0.6
									LN	M _s = 4.9 8.0 2.12	
						BJI	17.0	64	cP	14 14 45.5	-0.4
						KSH	17.1	294	cP	14 14 48.0	1.3
									cS	14 18 04.0	8.3
									LN	M _s = 5.1 8.0 3.01	
						GZH	18.6	122	cP	14 15 04.0	-1.2
									(S)	14 18 26.0	-3.5
									LN	M _s = 4.7 8.0 0.79	
									LE	9.0 0.72	
						NJ2	19.1	90	+P	14 15 15.0	3.5
						QZN	19.3	137	cP	14 15 17.6	4.0
						SSF	21.2	91	cP	14 15 34.4	-0.4
									cS	14 19 20.0	-6.2
									sS	14 19 38.0	3.3
									LN	M _s = 4.9 10.0 1.33	
									LE	9.0 0.47	
						SNY	22.9	62	cP	14 15 57.6	6.5

1986 11 9
 O = 13 04 27.8 ± 0.18s
 LAT = 11.20 S ± 2.78km
 LONG = 162.38 E ± 3.91km
 DEPTH = 32 km ± 0.86km

STATIONS USED = 32, STAND DEV = 3.25s

MDJ	63.0	334	cP	13 14 56.5	2.0
CN2	64.2	331	-P	13 15 04.5	2.0
BJI	66.6	323	(P)	13 15 22.0	4.5
XAN	67.8	314	cP	13 15 25.4	-0.1
KMI	68.4	303	cP	13 15 26.5	-2.9
CD2	70.1	309	P	13 15 42.1	2.5

1986 11 9
 O = 13 55 21.0 ± 0.07s
 LAT = 4.40 S ± 1.71km
 LONG = 102.27 E ± 2.47km
 DEPTH = 78 km ± 0.94km

STATIONS USED = 47, STAND DEV = 1.27s

M_s = 5.4 / 2,

QZN	24.4	18	cP	14 00 35.1	1.0
KMI	29.4	1	+P	14 01 19.5	0.2
GYA	31.0	8	P	14 01 32.6	-1.0
CD2	35.1	2	-iP	14 02 08.7	-0.8
			PMZ		0.9 0.020
XAN	38.7	9	+iP	14 02 38.8	-1.0
NJ2	39.5	22	+P	14 02 47.6	1.3
GTA	43.7	357	+P	14 03 19.7	-0.5
BTO	45.3	8	cP	14 03 34.0	0.3
HHC	45.8	10	P	14 03 38.6	1.0
			(S)	14 10 15.0	-0.5
			LN	M _s = 5.6 10.0 1.83	
			LE	9.0 1.38	
BJI	46.0	15	cP	14 03 39.0	-0.1
WMQ	49.8	346	P	14 04 08.4	0.1
CN2	52.3	21	+P	14 04 26.0	-1.6

1986 11 9
 O = 14 10 45.9 ± 0.13s
 LAT = 34.04 N ± 1.66km
 LONG = 96.20 E ± 1.70km
 DEPTH = 10 km ± 0.27km

STATIONS USED = 61, STAND DEV = 3.16s

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	eS	14 20 04.0	7.7		
	LN		$M_s = 4.7$	18.0	1.54
CN2	24.6 58 cP	14 16 08.0	-0.2		
	eS	14 20 25.0	-1.9		

1986 11 9

O = 14 44 47.7 ± 0.10s
 LAT = 3.81 S ± 1.07km
 LONG = 134.77 E ± 1.50km
 DEPTH = 33 km ± 0.28km
 STATIONS USED = 12, STAND DEV = 2.21s

XAN	44.8 329 cP	14 53 01.2	0.1
BJI	46.9 340 cP	14 53 18.5	1.6
GTA	53.7 327 cP	14 54 07.0	-2.4
WMQ	63.5 324 P	14 55 16.4	-1.1

1986 11 9

O = 15 25 51.7 ± 0.11s
 LAT = 28.13 S ± 2.44km
 LONG = 176.12 W ± 3.19km
 DEPTH = 33 km ± 0.78km
 STATIONS USED = 31, STAND DEV = 2.91s
 $m_B = 5.8 / 3$

NJ2	86.0 310 cP	15 38 32.0	1.0
MDJ	87.7 325 cP	15 38 45.5	6.4
WHN	88.3 306 cP	15 38 40.5	-1.5
CN2	89.3 322 cP	15 38 45.0	-2.0
TIA	89.6 312 -P	15 38 49.0	0.6
	eS	15 49 45.5	9.6
	SMN		$m_B = 5.6$ 11.0 0.60
GYA	91.9 299 P	15 38 58.0	-0.9
BJI	92.5 315 P	15 39 00.0	-1.5
	cSKS	15 49 28.5	-1.1
	eS	15 50 08.0	7.1
	SMN		$m_B = 5.8$ 8.0 0.66
TIY	93.6 311 -P	15 39 07.0	0.3
XAN	94.1 306 cP	15 39 10.0	1.2
	SKS	15 49 44.0	5.5
	SMN		$m_B = 5.8$ 10.0 0.73
CD2	96.3 302 cP	15 39 15.5	-3.4
GTA	103.0 308 cP	15 39 39.0	-10.5

1986 11 9

O = 17 04 43.6 ± 0.10s
 LAT = 14.68 N ± 1.42km
 LONG = 147.18 E ± 2.11km
 DEPTH = 22 km ± 0.53km
 STATIONS USED = 22, STAND DEV = 1.17s

BJI	37.0 319 cP	17 11 53.5	-0.7
TIY	38.4 313 cP	17 12 04.4	-1.0

XAN	39.5 306 cP	17 12 14.6	-0.4
GYA	39.5 294 P	17 12 16.0	0.8
HHIC	40.5 317 cP	17 12 23.5	0.7
BTO	41.4 316 cP	17 12 30.6	0.3
CD2	42.9 300 cP	17 12 42.0	-0.6
GTA	48.2 310 P	17 13 24.2	-0.7
WMQ	58.0 313 P	17 14 37.7	-0.3

1986 11 9

O = 18 49 21.7 ± 0.21s
 LAT = 6.54 S ± 1.39km
 LONG = 154.75 E ± 1.68km
 DEPTH = 43 km ± 1.64km
 STATIONS USED = 36, STAND DEV = 1.48s

WIIN	53.5 316 cP	18 58 41.0	0.8
CN2	56.7 335 +P	18 59 01.5	-2.2
GYA	57.0 307 +P	18 59 06.2	0.1
XAN	59.2 316 +P	18 59 20.4	-1.2
KMI	59.6 304 +P	18 59 24.5	0.3
CD2	61.3 310 cP	18 59 35.8	-0.3
BTO	62.4 323 cP	18 59 42.1	-0.8
GTA	68.2 317 P	19 00 20.7	-0.2
KSH	85.5 310 cP	19 02 01.0	3.6

1986 11 9

O = 19 13 54.7 ± 0.18s
 LAT = 6.66 S ± 0.93km
 LONG = 154.71 E ± 1.71km
 DEPTH = 40 km ± 1.67km
 STATIONS USED = 25, STAND DEV = 1.81s

WIIN	53.5 316 cP	19 23 13.5	-0.4
GYA	57.0 307 +P	19 23 39.6	-0.1
XAN	59.3 316 cP	19 23 52.8	-2.5
BTO	62.4 323 cP	19 24 15.8	-0.9
GTA	68.3 317 P	19 24 54.6	0.0
WMQ	78.4 317 c(P)	19 26 00.0	6.3

1986 11 9

O = 20 55 20.7 ± 0.12s
 LAT = 31.03 N ± 1.17km
 LONG = 103.89 E ± 1.28km
 DEPTH = 27 km ± 0.26km
 STATIONS USED = 45, STAND DEV = 2.93s

				$M_s = 4.0 / 5,$	$M_L = 4.4 / 10,$
CD2	0.2 224 +iPg	20 55 25.0	-1.1		
	Sg	20 55 29.0	-1.1		
LZH	5.0 360 cPn	20 56 42.5	7.2		
	Pg	20 56 54.0	4.1		
	Sg	20 57 56.0	-2.9		
	SMN			$M_L = 4.2$	1.5 0.27

				SME		1.5	0.24								
GYA	5.2	151	Pn	20 56 38.6	1.7					O = 02 26 44.8	± 0.14s				
			Pg	20 56 57.4	5.4					LAT = 2.29 N	± 1.15km				
			Sg	20 58 11.2	8.6					LONG = 126.68 E	± 1.36km				
			SMN	M _L = 4.4	1.0	0.40					DEPTH = 82 km	± 1.31km			
			SME		1.0	0.40					STATIONS USED = 24,	STAND DEV = 1.83s			
XAN	5.2	53	-iPn	20 56 38.0	0.7					XAN	35.7 334 cP	02 33 36.0	-1.5		
			Pg	20 56 55.0	2.4					BJI	38.8 347 cP	02 34 04.0	0.8		
			Sn	20 57 39.0	0.8					SNY	39.5 356 cP	02 34 09.4	0.4		
			Sg	20 58 03.2	-0.6					LZH	39.7 331 cP	02 34 11.5	0.1		
			SMN	M _L = 4.5	0.8	0.58					1986 11 10				
			SME		0.8	0.57					O = 04 13 55.3	± 0.14s			
KMI	6.0	190	ePn	20 56 50.5	2.4					LAT = 50.97 N	± 2.10km				
			Sn	20 57 49.0	-8.3					LONG = 176.35 W	± 1.35km				
			SMN		2.0	0.20					DEPTH = 40 km	± 1.51km			
			SME		2.5	0.43					STATIONS USED = 38,	STAND DEV = 1.41s			
GTA	9.0	339	cP	20 57 33.0	0.8					TIA	48.7 279 cP	04 22 38.4	-0.3		
			LG ₁	21 00 07.0	3.5					HHC	49.3 288 cP	04 22 44.8	1.9		
			LN	M _s = 3.6	10.5	0.36					BTO	50.4 288 cP	04 22 52.0	0.8	
WHN	9.0	90	cP	20 57 32.5	0.3					TIY	50.7 284 -P	04 22 54.7	1.0		
			LN	M _s = 4.5	16.0	3.80					XAN	55.3 283 cP	04 23 26.4	-1.1	
TIY	9.7	44	ePn	20 57 41.0	1.7					LZH	57.0 288 cP	04 23 40.0	-0.1		
			LG ₁	21 00 25.0	-0.6					GTA	57.1 294 +P	04 23 40.3	-0.9		
			LG ₂	21 00 36.0	-5.0					CD2	60.6 284 cP	04 24 03.8	-1.1		
			LN	M _s = 4.0	5.0	0.35					GYA	61.9 278 P	04 24 13.4	-0.5	
GZH	11.6	131	cP	20 58 05.0	-2.1					1986 11 10					
			eS	21 00 15.0	-1.2					O = 08 18 04.2	± 0.29s				
TIA	12.2	61	eP	20 58 13.7	-1.9					LAT = 24.47 N	± 2.01km				
			LG ₁	21 01 43.8	0.6					LONG = 98.79 E	± 1.94km				
NJ2	12.8	82	-P	20 58 25.4	1.4					DEPTH = 15 km	± 3.29km				
			LN	M _s = 4.4	11.0	1.30					STATIONS USED = 16,	STAND DEV = 3.56s			
BJI	13.4	45	cP	20 58 33.0	0.7					M _L = 4.2 / 3,					
WMQ	18.1	319	P	20 59 30.0	-2.1					KMI	3.6 79 cPn	08 19 03.5	2.6		
CN2	21.3	47	-P	21 00 07.5	0.0						Pg	08 19 13.5	4.9		
MDJ	24.3	49	eP	21 00 43.0	5.7						Sg	08 20 00.0	1.5		
				1986 11 10								GYA	7.4 73 cPn	08 19 53.2	1.0
				O = 02 08 39.2								CD2	7.8 33 cPn	08 20 00.8	3.3
				LAT = 6.51 S									S*	08 21 40.0	-8.6
				LONG = 154.71 E								XAN	13.0 41 cP	08 21 17.0	5.5
				DEPTH = 40 km								TIY	17.6 38 +P	08 22 10.8	-0.2
				STATIONS USED = 31,									sS	08 25 37.0	3.6
				STAND DEV = 0.83s								BJI	21.3 39 cP	08 22 53.0	-0.2
GYA	56.9	307	P	02 18 24.8	1.3					1986 11 10					
XAN	59.2	316	cP	02 18 38.0	-1.0					O = 08 58 07.7	± 0.13s				
CD2	61.3	310	cP	02 18 53.7	0.2					LAT = 40.06 N	± 1.48km				
LZH	63.8	316	cP	02 19 10.5	0.3					LONG = 116.75 E	± 1.18km				
GTA	68.2	317	P	02 19 38.5	0.1					DEPTH = 9 km	± 0.21km				
WMQ	78.3	317	c(P)	02 20 37.0	-0.5					STATIONS USED = 26,	STAND DEV = 3.33s				
				1986 11 10											

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Station	M _L	Mag	Type	Time	Lat	Long	Depth	Mag	Mag
BJI	0.4	268	-iPg	08 58 14.5	-1.2				
			Sg	08 58 20.5	-1.4				
			SMN	M _L = 4.1	0.5	12.3			
			SME					0.5	14.1
TIA	3.9	176	+Pn	08 59 05.9	-1.6				
			Pg	08 59 14.0	-1.7				
			Sn	08 59 49.4	-5.5				
			Sg	09 00 03.4	-4.9				
			SMN	M _L = 3.6	0.3	0.12			
			SME					0.3	0.17
DL2	3.9	105	Pn	08 59 19.0	10.4				
			Pg	08 59 24.0	6.7				
			Sg	09 00 11.0	-0.2				
			SMN	M _L = 3.9	1.0	0.29			
			SME					1.0	0.23
HHC	4.0	283	cPn	08 59 09.8	-0.4				
			Pg	08 59 23.8	4.8				
			Sn	08 59 52.8	-6.7				
			Sg	09 00 12.4	-1.8				
			SMN	M _L = 4.0	0.6	0.19			
			SME					0.8	0.50
TIY	4.1	237	Pn	08 59 11.2	0.2				
			Pg	08 59 22.0	1.9				
			Sg	09 00 12.1	-4.2				
			SMN	M _L = 4.2	0.6	0.56			
			SME					0.6	0.46
BTO	5.2	278	Pn	08 59 29.0	3.2				
			Pg	08 59 40.2	1.1				
			Sg	09 00 49.0	-0.9				
			SMN	M _L = 3.8	0.5	0.13			
			SME					0.5	0.10
SNY	5.5	69	-Pg	08 59 50.1	5.9				
			Sg	09 00 58.3	-0.5				
			SMN	M _L = 4.2	1.1	0.32			
			SME					1.1	0.11
CN2	7.5	57	cPg	09 00 28.0	8.1				
			cSg	09 01 55.0	-7.1				
			SMN	M _L = 4.1	1.0	0.070			
			SME					1.0	0.080
XAN	8.7	229	cPg	09 00 46.5	5.5				
			Sg	09 02 35.0	-4.4				
			SMN	M _L = 3.8	1.2	0.030			
			SME					1.0	0.010

1986 11 10
 O = 19 43 45.0 ± 0.08s
 LAT = 38.40 N ± 1.44km
 LONG = 25.16 E ± 1.33km
 DEPTH = 23 km ± 0.40km

STATIONS USED = 13, STAND DEV = 2.21s									
GTA	56.5	64	+P	19 53 27.0	-1.3				
CD2	63.3	71	cP	19 54 13.7	-1.2				
XAN	65.4	65	cP	19 54 28.0	-1.0				
1986 11 10									
O	20 38 46.1				± 0.08s				
LAT	28.33 S				± 3.31km				
LONG	176.51 W				± 2.92km				
DEPTH	32 km				± 0.52km				
STATIONS USED = 66, STAND DEV = 1.60s									
M _s = 5.5 / 9, m _B = 6.0 / 8									
QZ11	81.9	304	+P	20 51 04.0	-0.5				
			S	21 01 16.0	2.7				
			SMN	m _B = 6.0	11.0	0.84			
			SME		10.0	0.83			
			LN	M _s = 5.8	16.0	1.66			
			LE		16.0	1.42			
SSE	83.7	310	P	20 51 14.0	-0.1				
			PMZ		1.0	0.020			
			cS	21 01 36.0	2.1				
			PS	20 02 36.0					
			SS	21 07 08.0	5.4				
			LN	M _s = 5.5	32.0	1.14			
			LE		32.0	1.74			
GZ11	84.7	300	cP	20 51 15.0	-4.1				
			cS	21 01 44.0	0.2				
NJ2	85.9	310	+P	20 51 25.5	0.6				
			PMZ	m _B = 6.0	6.0	0.90			
			S	21 01 54.0	0.5				
MIDJ	87.7	325	+iP	20 51 33.8	0.3				
			SKS	21 02 00.0	4.4				
			cS	21 02 16.0	3.9				
			ScS	21 02 22.0	6.2				
			SS	21 08 08.0	7.6				
SNY	89.0	320	+iP	20 51 39.9	-0.2				
			PMZ	m _B = 5.8	10.0	0.77			
			sP	20 51 55.0	1.5				
			SKS	21 02 12.0	7.9				
			SMN		14.0	2.12			
			LN	M _s = 5.3	18.0	0.48			
			LE		22.0	0.62			
CN2	89.3	322	+P	20 51 40.8	-0.5				
			PMZ	m _B = 6.1	5.0	0.70			
			cSKS	21 02 07.0	1.4				
			cS	21 02 23.0	-4.2				
			SMN	m _B = 6.1	10.0	1.70			
TIA	89.5	312	+P	20 51 43.4	1.0				
			cSKS	21 02 12.5	5.4				
			sS	21 02 46.0	0.9				

			SMN		13.0	2.15	QZN	52.4	301	P	22 01	54.6	1.2			
			SME		11.0	0.93				sP	22 02	14.0	0.7			
			LN	Ms=5.6	17.0	1.22				eS	22 09	15.0	1.6			
GYA	91.7	299	P	20 51	53.0	0.5				LE		Ms=5.3	21.0	1.80		
			SKS	21 02	25.0	5.4			NJ2	52.7	320	+P	22 01	56.0	0.3	
			S	21 02	47.0	0.3						PMZ		m _B =5.6	10.0	0.80
BJI	92.4	315	eP	20 51	56.0	0.4						S	22 09	24.0	7.5	
			eSKS	21 02	28.0	4.4						LE		Ms=5.3	16.0	1.40
			cS	21 03	04.0	9.4			DL2	55.9	328	cP	22 02	16.0	-2.9	
			SMN		m _B =6.1	11.0	1.79		TIA	56.5	323	+P	22 02	22.7	-0.9	
TIY	93.5	311	+P	20 52	01.0	0.3						eS	22 10	17.0	7.9	
			SKS	21 02	34.0	4.2						LN		Ms=5.6	15.0	2.09
			S	21 03	07.5	5.0			MDJ	56.8	338	+P	22 02	25.0	-0.7	
			sS	21 03	18.5	-1.6						pP	22 02	37.0	-2.8	
			LN		Ms=5.3	12.0	0.32					S	22 10	16.0	4.4	
			LE			15.0	0.38					sS	22 10	40.0	2.9	
XAN	93.9	307	eP	20 52	03.0	0.3			SNY	57.1	332	+P	22 02	26.6	-1.1	
			SKS	21 02	34.0	1.8						eS	22 10	14.0	-2.5	
			SMN		m _B =6.1	12.0	1.79					LN		Ms=5.4	16.0	1.41
			SME			11.0	0.73					LE			20.0	1.20
KMI	94.1	296	+P	20 52	04.5	1.0			CN2	57.8	334	+P	22 02	32.0	-0.7	
			SKS	21 02	34.0	1.0						PMZ		m _B =5.9	4.0	0.60
CD2	96.1	302	eP	20 52	13.5	0.9						pP	22 02	47.0	0.2	
BTO	96.6	313	eP	20 52	15.4	0.4						eS	22 10	30.0	4.1	
GTA	102.9	308	P	20 52	47.0	3.6			GYA	58.4	307	P	22 02	36.4	-0.2	
			SKS	21 03	25.0	7.0						pP	22 02	51.2	0.6	
			sS	21 04	36.0	-3.7						S	22 10	33.0	1.3	
			LE		Ms=5.4	21.0	0.77		BJI	59.7	325	eP	22 02	45.0	-0.5	
												SMN		m _B =5.5	6.0	0.43
												LN		Ms=5.7	18.0	2.93
									TIY	60.4	321	P	22 02	50.0	-0.5	
												eS	22 11	02.0	2.8	
												sS	22 11	23.0	-0.5	
												LN		Ms=5.6	17.0	0.92
												LE			18.0	2.20
									XAN	60.5	316	+iP	22 02	50.3	-1.3	
												LN		Ms=5.5	17.0	1.82
									KMI	60.9	304	+P	22 02	55.0	0.5	
												eS	22 11	16.0	9.3	
												LN		Ms=5.4	16.0	1.40
SSE	50.6	321	P	22 01	40.0	0.2			CD2	62.7	310	P	22 03	05.7	-0.4	
			PMZ			2.0	0.11					PcP	22 03	43.0	0.1	
			sP	22 02	00.0	0.4						eS	22 11	30.0	1.5	
			S	22 08	48.0	0.6						LE		Ms=5.5	23.0	2.51
			sS	22 09	09.0	-3.6			BTO	63.6	322	eP	22 03	12.0	-0.3	
			LN		Ms=5.3	20.0	1.80					csP	22 03	35.0	2.6	
GZH	51.4	307	eP	22 01	47.5	1.5						cPP	22 05	36.0	3.1	
			S	22 09	04.0	5.2						eS	22 11	42.0	1.7	
			LN		Ms=5.4	30.0	2.64					LN		Ms=5.4	15.0	0.60
			LE			28.0	2.50					LE			15.0	0.90

1986 11 10

O=21 52 44.1 ± 0.17s

LAT= 7.24 S ± 1.80km

LONG=155.95 E ± 2.09km

DEPTH= 56 km ± 0.75km

STATIONS USED = 83, STAND DEV = 1.40s

Ms=5.4 / 20,

m_B=5.9 / 7

QZH	48.4	313	+iP	22 01	24.0	0.7		
			sP	22 01	42.0	-1.1		
			S	22 08	24.0	6.4		
			LN		Ms=5.3	18.0	1.62	
SSE	50.6	321	P	22 01	40.0	0.2		
			PMZ			2.0	0.11	
			sP	22 02	00.0	0.4		
			S	22 08	48.0	0.6		
			sS	22 09	09.0	-3.6		
			LN		Ms=5.3	20.0	1.80	
GZH	51.4	307	eP	22 01	47.5	1.5		
			S	22 09	04.0	5.2		
			LN		Ms=5.4	30.0	2.64	
			LE			28.0	2.50	

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LZH	65.2	315	+P	22 03 22.0	-0.3					sS	00 14 32.0	-2.5				
			PMZ			2.0	0.090			SS	00 16 03.5	1.6				
			cS	22 11 56.0	-3.3					LE	Ms=5.3		13.0	2.50		
			LN	Ms=5.0		22.0	0.71	TIA	34.8	346	+P	00 09 16.5	-0.3			
WMQ	79.6	317	+iP	22 04 48.0	-0.1						PMZ	m _B =6.3		5.0	2.46	
			PcP	22 04 55.5	0.9						cS	00 14 40.0	-0.8			
			sP	22 05 08.5	0.2						SMN	m _B =6.1		10.0	3.96	
			PP	22 07 48.0	-1.4						SME			10.0	1.59	
			S	22 14 48.0	5.3						LN	Ms=5.5		13.0	1.58	
			ScS	22 15 08.0	6.0						LE			19.0	4.13	
KSH	86.9	310	+iP	22 05 27.0	2.1			CD2	35.7	325	+iP	00 09 23.0	-1.9			
			pP	22 05 44.0	4.7						PMZ	m _B =6.3		4.0	2.15	
											PP	00 10 42.0	-4.2			
											iS	00 14 53.0	-2.5			
											SME	m _B =6.1		6.0	2.70	
											LE	Ms=5.6		20.0	6.84	
								TIY	37.5	341	+P	00 09 40.0	0.1			
											PMZ	m _B =6.1		5.0	1.61	
											S	00 15 21.0	-0.6			
											SMN	m _B =5.6		11.0	1.45	
											LE	Ms=5.2		15.0	1.71	
								BJI	38.6	347	+P	00 09 50.0	0.7			
											cS	00 15 40.0	0.1			
											LN	Ms=5.1		11.0	0.95	
								LZH	39.6	330	+iP	00 09 57.5	-0.3			
											PMZ			2.0	0.92	
											pP	00 10 21.0	4.9			
											PP	00 11 34.0	0.8			
											cS	00 15 52.5	-2.8			
											LN	Ms=5.6		30.0	4.10	
											LE			32.0	7.70	
								HHC	40.6	342	-iP	00 10 06.0	0.1			
											S	00 16 10.0	1.2			
											ScS	00 20 08.0	7.3			
											LN	Ms=5.2		10.0	0.91	
											LE			11.0	0.82	
SSE	29.0	350	+iP	00 08 26.0	-0.3			BTO	40.9	340	cP	00 10 08.0	-0.1			
			PMZ	m _B =6.1		4.0	1.67				CN2	41.2	359	+P	00 10 10.5	0.0
			cS	00 13 12.0	1.7						cS	00 16 15.0	-3.2			
			SS	00 14 40.0	-3.4						SMN	m _B =6.0		6.0	1.60	
			LN	Ms=5.5		24.0	3.84	MDJ	42.1	3	+iP	00 10 18.0	0.4			
			LE			24.0	8.43				PP	00 11 55.0	-3.6			
NJ2	30.4	347	+iP	00 08 38.8	0.1						iS	00 16 30.0	-1.1			
			PMZ	m _B =6.3		4.0	2.30	GTA	44.2	330	+iP	00 10 35.0	-0.3			
			S	00 13 34.5	2.9						pP	00 10 57.0	3.1			
			LN	Ms=5.6		13.0	5.10				sP	00 11 09.0	5.7			
GYA	30.7	323	+iP	00 08 41.0	-0.7						PP	00 12 18.0	-2.0			
			S	00 13 38.0	1.2						S	00 17 04.0	2.5			
			LE	Ms=5.3		12.0	2.40				SS	00 20 22.0	7.6			
KMI	32.3	316	+P	00 08 56.0	0.0						LE	Ms=5.3		9.0	0.98	
			pP	00 09 14.0	0.1											
			S	00 14 04.0	1.8											
			SME	m _B =5.9		7.0	2.20									

1986 11 11
 O=00 02 31.7 ± 0.06s
 LAT= 2.46 N ± 0.69km
 LONG=126.78 E ± 0.99km
 DEPTH= 78 km ± 0.45km
 STATIONS USED = 38, STAND DEV = 1.01s
 Ms=5.3 / 13, m_B=6.1 / 11

1986 11 11
 O=07 09 37.6 ± 0.04s
 LAT=24.86 S ± 1.40km
 LONG=175.93 W ± 1.22km
 DEPTH= 35 km ± 0.31km
 STATIONS USED = 17, STAND DEV= 1.08s

CN2	86.9	322	cP	07 22 19.5	-1.4
TIA	87.6	312	cP	07 22 24.7	0.3
BJI	90.3	315	cP	07 22 37.0	-0.2
TIY	91.6	311	cP	07 22 40.5	-2.7
XAN	92.3	307	P	07 22 47.0	0.6

1986 11 11
 O=10 55 25.8 ± 0.10s
 LAT=36.94 N ± 1.90km
 LONG= 66.08 E ± 1.18km
 DEPTH= 33 km ± 0.14km
 STATIONS USED = 16, STAND DEV= 1.95s
 Ms=4.7/ 4,

KSH	8.2	69	P	10 57 25.0	-0.4
			S	10 58 56.0	-1.5
			LE	Ms=5.3	7.0 15.0
WMQ	17.8	61	cP	10 59 32.4	-0.8
			S	11 02 56.2	8.6
			LN		2.5 0.17
GTA	26.6	74	-P	11 01 03.8	0.8
			cSS	11 06 51.0	7.1
			LN	Ms=4.7	7.0 0.50

1986 11 11
 O=14 05 17.1 ± 0.31s
 LAT=51.34 N ± 2.87km
 LONG=174.74 W ± 1.69km
 DEPTH= 45 km ± 2.86km
 STATIONS USED = 46, STAND DEV= 1.63s

MDJ	37.1	282	cP	14 12 23.3	-2.0
CN2	40.0	283	+P	14 12 48.8	-1.2
SNY	42.3	282	+P	14 13 09.0	0.5
BJI	47.9	285	cP	14 13 53.0	0.0
TIA	49.7	280	cP	14 14 06.9	-0.3
NJ2	51.4	275	+P	14 14 21.4	1.6
TIY	51.6	285	cP	14 14 22.0	0.3
XAN	56.2	284	+P	14 14 54.0	-1.3
GTA	57.9	294	+P	14 15 06.2	-1.7
WMQ	61.5	305	P	14 15 31.2	-1.1
GYA	62.9	279	P	14 15 41.0	-0.5
KMI	66.2	281	cP	14 16 00.5	-3.1

1986 11 11

O=14 17 14.6 ± 0.09s
 LAT=15.08 N ± 1.43km
 LONG=147.05 E ± 1.85km
 DEPTH= 35 km ± 0.39km
 STATIONS USED = 47, STAND DEV= 1.25s
 Ms=4.5/ 2,

SSE	28.5	308	cP	14 23 08.5	-1.0
			LN	Ms=4.3	12.0 0.32
NJ2	30.7	308	cP	14 23 30.0	0.9
WHN	33.7	303	cP	14 23 54.0	-0.9
CN2	34.0	332	cP	14 23 57.0	-0.9
BJI	36.7	319	cP	14 24 20.5	0.3
TIY	38.0	313	cP	14 24 31.5	-0.1
			LN	Ms=4.6	15.0 0.44
XAN	39.2	306	P	14 24 41.0	-0.5
GYA	39.3	293	P	14 24 43.2	1.0
HHC	40.1	317	cP	14 24 47.4	-1.5
BTO	41.0	316	P	14 24 56.6	0.1
LZH	43.8	307	+P	14 25 20.0	0.6
			PMZ		1.5 0.14
GTA	47.8	310	+iP	14 25 51.1	-0.2
WMQ	57.7	313	P	14 27 04.1	-0.5

1986 11 11
 O=18 57 11.1 ± 0.17s
 LAT=48.69 S ± 2.52km
 LONG= 30.90 E ± 4.44km
 DEPTH= 8 km ± 0.38km
 STATIONS USED = 34, STAND DEV= 2.55s
 Ms=5.9/ 4, m_B=6.3/ 1

KSH	96.4	33	cP	19 10 43.5	0.4
			SKS	19 21 25.0	7.8
			SMN	m _B =6.3	7.0 1.50
			LN	Ms=5.9	14.0 1.60
KMI	97.4	60	-P	19 10 48.5	0.8
			pP	19 10 54.0	1.4
			cSKS	19 21 23.0	0.5
			S	19 22 01.0	-6.3
			LN	Ms=6.0	20.0 3.00
GYA	100.7	62	P	19 11 10.0	7.5
CD2	102.4	57	cP	19 11 10.6	0.5
			LN	Ms=6.1	20.0 3.98
WMQ	104.7	39	cPdif	19 11 15.2	-5.0
			PP	19 15 38.5	-3.1
			sS	19 23 20.0	1.1
			LE	Ms=5.8	20.0 1.85
XAN	107.6	58	cPdif	19 11 29.5	-3.5
TIY	112.3	58	cPKP	19 15 52.5	4.0
BJI	116.0	58	cPKP	19 15 54.0	-1.7
CN2	123.7	60	cPKP	19 16 09.5	-1.1

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MDJ 126.6 62 cPKP 19 16 23.5 7.3
 SS 19 35 18.0 0.6

1986 11 11

O=19 33 02.8 ± 0.07s
 LAT=29.34 S ± 0.88km
 LONG=178.90 W ± 1.14km
 DEPTH=293 km ± 1.00km

STATIONS USED = 29, STAND DEV = 0.67s

NJ2	85.0	311	+P	19 45 08.2	1.0
MDJ	87.3	326	cP	19 45 19.0	0.4
SNY	88.5	321	+iP	19 45 24.3	0.2
TIA	88.7	313	cP	19 45 25.8	0.7
CN2	88.8	323	-P	19 45 25.2	-0.5
BJI	91.6	316	cP	19 45 38.5	-0.3
TIY	92.6	312	cP	19 45 43.9	0.6
		LN		16.0	1.30
XAN	92.8	308	P	19 45 45.0	0.5
GTA	101.9	309	P	19 46 25.0	-0.5
		LN		15.0	1.01

1986 11 12

O=00 26 04.2 ± 0.09s
 LAT=14.28 S ± 1.16km
 LONG=167.75 E ± 1.38km
 DEPTH=33 km ± 0.25km

STATIONS USED = 48, STAND DEV = 1.01s

SSE	63.5	316	cP	00 36 33.5	-0.6
NJ2	65.7	315	cP	00 36 48.0	-0.1
WHN	68.0	312	cP	00 37 02.0	-0.7
MDJ	68.1	332	cP	00 37 03.0	-0.4
TIA	69.3	318	cP	00 37 10.1	-0.8
CN2	69.5	329	+iP	00 37 11.8	-0.3
		(S)		00 46 20.0	3.5
GYA	71.8	304	P	00 37 26.2	-0.1
BJI	72.2	321	cP	00 37 28.0	-0.4
TIY	73.2	317	cP	00 37 35.0	0.3
XAN	73.7	312	+P	00 37 37.0	-0.4
KMI	74.5	301	-P	00 37 43.0	1.1
HHC	75.5	319	cP	00 37 48.0	0.0
CD2	76.1	307	cP	00 37 51.2	0.1
BTO	76.4	319	cP	00 37 53.4	0.6
GTA	82.7	314	+iP	00 38 27.4	0.5
WMQ	92.7	314	P	00 39 15.3	0.0

1986 11 12

O=02 20 36.1 ± 0.11s
 LAT=12.39 S ± 3.00km
 LONG=166.71 E ± 2.42km
 DEPTH=36 km ± 1.79km

STATIONS USED = 45, STAND DEV = 1.60s

Ms=5.6 / 3,

SSE	61.5	316	+iP	02 30 51.5	-0.5
		PMZ			0.8 0.040
		sP		02 31 06.0	-0.2
		cS		02 39 06.0	-3.4
GZH	63.0	304	-P	02 31 02.5	0.1
NJ2	63.6	315	+P	02 31 06.4	0.0
		sP		02 31 21.0	0.3
WHN	66.0	312	cP	02 31 21.0	-0.6
TIA	67.2	318	cP	02 31 28.8	-0.8
		LN		Ms=5.6	13.0 1.33
		LE			13.0 0.68
CN2	67.4	329	+P	02 31 29.8	-0.6
		pP		02 31 41.4	0.9
GYA	69.9	304	P	02 31 46.4	-0.1
		sP		02 32 00.6	-0.1
BJI	70.1	321	(P)	02 31 47.0	-0.4
TIY	71.2	317	+P	02 31 54.0	0.0
		pP		02 32 07.5	3.5
		S		02 41 06.5	0.5
		LN		Ms=5.5	12.0 0.70
		LE			14.0 0.73
XAN	71.7	312	+iP	02 31 51.0	-6.1
		pP		02 32 09.0	1.9
KMI	72.6	301	+P	02 32 03.5	0.8
		pP		02 32 15.5	3.0
CD2	74.2	307	+iP	02 32 11.8	0.2
BTO	74.3	319	cP	02 32 13.8	1.3
LZH	76.4	312	+P	02 32 25.0	0.7
		PMZ			1.0 0.060
GTA	80.7	314	+iP	02 32 48.6	0.7
WMQ	90.7	315	+P	02 33 37.0	-0.5

1986 11 12

O=03 48 15.1 ± 0.04s
 LAT=1.07 S ± 0.60km
 LONG=147.32 E ± 0.83km
 DEPTH=65 km ± 0.34km

STATIONS USED = 33, STAND DEV = 0.64s

GYA	47.8	308	P	03 56 49.6	1.1
BJI	49.8	329	(P)	03 57 03.5	-0.5
XAN	50.2	318	+P	03 57 06.2	-0.6
CD2	52.2	311	P	03 57 22.1	0.2
BTO	53.6	325	cP	03 57 32.3	-0.2
GTA	59.2	318	+iP	03 58 13.0	0.2
WMQ	69.3	318	P	03 59 18.5	0.1

1986 11 12

O=10 06 15.1 ± 0.09s

STATIONS USED = 47, STAND DEV = 1.48s							PMZ $m_B = 5.7$					
MDJ	33.4	278	eP	12 50 39.5	-1.6		epP	21 07 06.0	2.2			
CN2	36.4	280	eP	12 51 06.0	-0.6		eS	21 17 14.0	0.4			
SNY	38.6	278	-P	12 51 25.6	0.4		SS	21 22 34.0	-7.8			
BJI	44.2	281	eP	12 52 11.0	-0.3		LN	$M_s = 5.3$	20.0	0.72		
SSE	46.8	268	P	12 52 32.5	0.5		LE		24.0	0.60		
BTO	47.6	285	eP	12 52 40.0	1.4		GZH	84.7 300 eP	21 07 00.0	0.7		
TIY	47.9	281	+P	12 52 42.0	1.0		eS	21 17 25.0	1.5			
			PMZ			0.9 0.020	QZN	85.2 294 eP	21 07 04.6	2.5		
			S	12 59 30.0	-3.9		NJ2	85.8 310 +P	21 07 05.0	0.0		
XAN	52.5	280	eP	12 53 14.8	-0.9		pP	21 07 17.0	2.5			
LZH	54.2	285	eP	12 53 29.5	0.8		S	21 17 33.0	-0.2			
GTA	54.4	291	+iP	12 53 30.5	0.2		SS	21 23 08.0	-6.1			
WMQ	58.3	302	P	12 53 51.0	-6.9		MDJ	87.6 325 eP	21 07 14.0	0.4		
							pP	21 07 24.0	0.9			
							SKS	21 17 40.0	4.5			
							S	21 17 56.0	6.0			
							SMN		15.0	1.17		
							WHN	88.1 306 eP	21 07 16.0	0.1		
							PMZ	$m_B = 6.1$	4.0	0.65		
							S	21 17 54.0	-0.6			
							SMN	$m_B = 5.4$	10.0	0.40		
							LN	$M_s = 5.6$	20.0	1.61		
							DL2	88.2 317 eP	21 07 16.0	-0.7		
							LN	$M_s = 5.7$	14.0	1.34		
							SNY	88.9 320 eP	21 07 15.6	-4.6		
							CN2	89.2 322 -P	21 07 20.8	-0.6		
							PMZ	$m_B = 5.9$	4.0	0.40		
							pP	21 07 32.0	1.1			
							eS	21 18 07.0	0.2			
							SMN		14.0	1.20		
							eSS	21 24 04.0	1.4			
							TIA	89.4 312 eP	21 07 22.8	0.3		
							SMN		13.0	1.39		
							SME		13.0	0.68		
							GYA	91.6 299 P	21 07 33.4	0.7		
							sP	21 07 50.0	4.0			
							SKS	21 18 03.0	3.3			
							S	21 18 28.0	1.5			
							BJI	92.3 315 eP	21 07 35.5	-0.2		
							SKS	21 18 06.0	2.4			
							SMN	$m_B = 5.9$	11.0	1.19		
							SME		10.0	0.30		
							TIY	93.4 311 eP	21 07 40.8	0.0		
							SKS	21 18 18.0	8.2			
							S	21 18 40.0	-2.2			
							sS	21 18 58.0	-1.9			
							PS	21 20 14.0				
							XAN	93.8 307 P	21 07 44.0	1.2		
							eSKS	21 18 15.0	2.7			

1986 11 12						
O	=14 37 00.9				$\pm 0.08s$	
LAT	= 4.79 N				$\pm 0.94km$	
LONG	=126.48 E				$\pm 1.63km$	
DEPTH	=101 km				$\pm 0.54km$	
STATIONS USED = 56, STAND DEV = 1.03s						
QZN	21.5	312	P	14 41 45.0	1.6	
GZH	22.2	326	eP	14 41 49.5	-0.2	
NJ2	28.0	346	+P	14 42 45.6	0.6	
GYA	28.7	321	P	14 42 50.8	-0.1	
TIA	32.4	346	eP	14 43 23.1	-0.6	
XAN	33.4	333	+P	14 43 30.0	-1.8	
DL2	34.2	353	-P	14 43 40.5	1.2	
TIY	35.2	340	-P	14 43 47.2	-0.2	
BJI	36.3	347	eP	14 43 56.5	-0.2	
			pP	14 44 20.0	0.2	
SNY	37.0	356	+iP	14 44 03.2	0.9	
LZH	37.5	329	P	14 44 07.0	0.3	
			PMZ			-1.0 0.040
HHC	38.3	342	eP	14 44 14.8	1.1	
BTO	38.6	340	eP	14 44 16.8	0.7	
MDJ	39.8	3	eP	14 44 25.6	0.1	
GTA	42.1	329	+iP	14 44 44.4	-0.3	
			PcP	14 46 39.4	1.8	
1986 11 12						
O	=20 54 26.7				$\pm 0.14s$	
LAT	=28.24 S				$\pm 2.32km$	
LONG	=176.56 W				$\pm 3.25km$	
DEPTH	= 32 km				$\pm 0.71km$	
STATIONS USED = 51, STAND DEV = 1.44s						
					$M_s = 5.4 / 8,$	
					$m_B = 5.7 / 7$	
QZH	81.8	304	+P	21 06 22.0	-21.7	
			LN	$M_s = 4.9$	15.0 0.26	
SSE	83.7	310	P	21 06 54.0	-0.2	



			SMN	13.0	1.40				LN	Ms = 5.9	15.0	23.1		
			SME	12.0	0.15	HHC	22.5	273	P	12 49 10.0	2.7			
KMI	94.0	296	-P	21 07 45.0	1.3				pP	12 49 15.0	1.5			
			pP	21 07 55.5	2.5				eS	12 53 09.0	-0.3			
CD2	96.0	302	eP	21 07 54.1	1.3				sS	12 53 14.0	-5.4			
			eSKS	21 18 29.5	5.3				SMN	m _B = 5.4	9.0	1.31		
			S	21 19 06.0	1.3				LN	Ms = 5.8	11.0	10.8		
GTA	102.8	308	eP	21 08 25.5	1.9				LE		11.0	2.81		
						TIY	23.0	265	eP	12 49 11.0	-1.2			
									S	12 53 12.0	-5.3			
									LN	Ms = 5.2	11.5	2.01		
									LE		11.0	2.51		
						BTO	23.7	273	eP	12 49 19.0	0.0			
									pP	12 49 23.0	-2.2			
									ePP	12 49 48.5	-2.8			
									eS	12 53 27.0	-3.5			
									LN	Ms = 5.9	12.0	13.9		
									LE		12.0	5.70		
						WHN	25.5	248	eP	12 49 32.0	-3.6			
									eS	12 53 53.0	-6.8			
									LN	Ms = 5.4	14.0	5.40		
						QZH	26.7	233	+P	12 49 46.0	-1.3			
									S	12 54 25.0	5.2			
									SMN	m _B = 5.6	6.0	0.63		
									SME		6.0	0.62		
									sS	12 54 38.0	6.7			
									LN	Ms = 5.3	13.0	3.56		
									LE		13.0	1.56		
DL2	16.0	259	eP	12 47 58.0	5.9				XAN	27.3	260	P	12 49 52.4	0.1
			sS	12 51 00.0	2.3				eS	12 54 34.0	4.6			
			SS	12 51 08.0	1.0				LN	Ms = 5.5	11.0	3.23		
			LN	Ms = 5.4	12.0	7.32			LE		12.0	3.63		
			LE		12.0	6.51			GZH	31.3	238	eP	12 50 29.5	1.5
BJI	19.5	268	eP	12 48 33.5	-1.8				eS	12 55 36.0	3.1			
			PMZ	m _B = 5.6	4.0	1.05			LN	Ms = 5.8	12.0	4.44		
			eS	12 52 14.0	5.4				LE		12.0	5.74		
			SMN	m _B = 5.6	7.0	1.81			GTA	31.5	277	P	12 50 29.2	-1.0
			SME		8.0	0.85			PcP	12 53 28.7	6.5			
			LN	Ms = 5.3	10.0	4.00			eS	12 55 30.0	-7.0			
			LE		10.0	2.40			ScS	13 01 09.3	9.6			
TIA	20.4	257	eP	12 48 43.2	-2.0				LN	Ms = 5.9	12.0	10.4		
			eS	12 52 25.0	-3.2				CD2	32.6	260	eP	12 50 38.0	-2.0
			LN	Ms = 5.5	13.0	8.29			eS	12 55 56.3	2.0			
			LE		13.0	2.59			LN	Ms = 5.9	11.0	7.60		
SSE	20.7	239	P	12 48 48.5	0.1				GYA	33.3	250	P	12 50 49.2	3.5
			sP	12 48 56.5	-1.4				pP	12 50 52.4	0.3			
			eS	12 52 34.0	-0.1				S	12 56 08.0	4.5			
			LN	Ms = 5.1	16.0	3.42			LE	Ms = 5.3	12.0	2.20		
			LE		16.0	2.18			QZN	36.5	238	eP	12 51 10.2	-2.6
NJ2	21.5	245	-P	12 48 55.0	-2.2				eS	12 56 54.0	0.4			
			S	12 52 51.5	1.7									

	LN		Ms=5.6	12.5	3.00				
	LE			12.5	3.00				
KMI	36.8	253	-P	12 51 17.0	0.8				
	eS			12 57 03.0	3.2				
	LN		Ms=5.5	12.0	2.70				
WMQ	38.5	289	P	12 51 30.0	0.0				
	eS			12 57 26.0	1.1				
	LN		Ms=6.1	13.0	13.5				
KSH	48.3	289	eP	12 52 50.0	0.7				
	PP			12 54 42.0	1.8				
	S			12 59 45.0	-1.4				
	LN		Ms=6.0	13.0	6.80				

GYA	58.5	307	P	14 56 04.0	0.3				
BJI	59.8	325	eP	14 56 12.0	-0.6				
TIY	60.5	321	eP	14 56 17.7	0.1				
XAN	60.7	316	+P	14 56 17.8	-0.9				
KMI	61.1	304	eP	14 56 22.0	0.4				
CD2	62.9	310	eP	14 56 30.0	-3.2				
HHC	63.0	323	eP	14 56 34.8	0.5				
BTO	63.8	322	eP	14 56 38.4	-1.0				
LZH	65.3	315	P	14 56 50.0	0.6				
			PMZ					1.5	0.020
GTA	69.7	317	+P	14 57 17.8	0.8				
WMQ	79.8	317	P	14 58 15.5	0.5				
KSH	87.0	310	P	14 58 54.0	2.3				

1986 11 13

O=13 23 47.3 ± 0.13s
 LAT=10.18 S ± 1.97km
 LONG=161.43 E ± 1.22km
 DEPTH=101 km ± 1.54km

STATIONS USED = 48, STAND DEV = 1.41s

SSE	56.3	318	eP	13 33 20.0	-0.5				
			pP	13 33 40.6	-4.1				
NJ2	58.5	318	eP	13 33 36.5	0.9				
			pP	13 33 57.0	-2.9				
WHN	60.7	314	eP	13 33 50.0	-0.8				
MDJ	61.7	335	+P	13 33 57.5	0.0				
TIA	62.2	320	eP	13 34 00.0	-1.0				
SNY	62.3	329	eP	13 34 02.5	0.6				
CN2	62.9	331	+P	13 34 05.0	-0.6				
			pP	13 34 26.0	-4.2				
GYA	64.5	306	P	13 34 16.0	0.1				
BJI	65.2	323	eP	13 34 20.0	-0.6				
TIY	66.1	319	eP	13 34 27.5	1.1				
XAN	66.4	314	-P	13 34 28.0	-0.6				
KMI	67.1	303	eP	13 34 33.5	0.7				
HHC	68.5	321	eP	13 34 41.8	0.4				
CD2	68.7	309	eP	13 34 43.3	0.4				
BTO	69.3	320	eP	13 34 44.0	-2.4				
LZH	71.1	314	P	13 34 58.0	0.8				
WMQ	85.5	316	+P	13 36 31.6	16.6				

1986 11 13

O=14 46 10.2 ± 0.14s
 LAT= 7.37 S ± 1.11km
 LONG=156.06 E ± 1.08km
 DEPTH= 58 km ± 0.94km

STATIONS USED = 51, STAND DEV = 0.99s

QZN	52.6	301	eP	14 55 22.1	1.5				
NJ2	52.9	320	-P	14 55 24.0	1.0				
WHN	54.9	315	eP	14 55 39.0	0.8				
TIA	56.7	323	eP	14 55 49.8	-1.1				

1986 11 13

O=21 37 34.8 ± 0.09s
 LAT=17.48 N ± 1.28km
 LONG=145.94 E ± 1.79km
 DEPTH=200 km ± 0.76km

STATIONS USED = 37, STAND DEV = 1.51s

SSE	26.2	306	eP	21 42 54.0	0.4				
			pP	21 43 32.5	-0.4				
			PP	21 43 44.0	-1.5				
			sS	21 48 16.0	-3.3				
XAN	37.0	304	eP	21 44 27.6	0.8				
			PcP	21 46 43.0	-0.4				
GYA	37.4	291	P	21 44 31.4	0.9				
			sP	21 45 35.0	0.3				
			PcP	21 46 45.2	0.5				
			S	21 50 06.4	3.9				
BTO	38.6	314	eP	21 44 40.0	-0.2				
CD2	40.5	297	P	21 44 55.6	-0.5				
LZH	41.5	305	e(P)	21 45 02.5	-2.1				
GTA	45.5	308	eP	21 45 36.0	-0.3				
			pP	21 46 20.0	1.0				
			PcP	21 47 11.3	-0.1				
			ScP	21 50 43.7	0.3				
WMQ	55.3	312	P	21 46 49.6	-0.6				

1986 11 14

O=00 46 40.4 ± 0.06s
 LAT=35.97 N ± 0.93km
 LONG=136.92 E ± 1.11km
 DEPTH=272 km ± 0.90km

STATIONS USED = 79, STAND DEV = 1.22s

m_B = 4.9 / 6

MDJ	10.3	329	+P	00 49 04.3	1.0				
CN2	11.8	315	+P	00 49 23.5	1.6				
SNY	11.9	303	eP	00 49 26.0	2.2				
			S	00 51 40.0	7.6				

L2	12.5	288	-iP	00 49 33.5	2.6		
SE	14.0	254	+iP	00 49 50.0	0.9		
			PMZ	$m_B = 5.6$	4.0	1.40	
			S	00 52 24.0	5.8		
			SMN	$m_B = 4.9$	6.0	0.85	
NJ2	15.5	261	-P	00 50 07.2	0.4		
			PMZ	$m_B = 5.1$	5.0	0.50	
			eS	00 52 52.0	0.5		
			ScP	00 58 00.6	2.3		
TIA	16.0	277	-P	00 50 12.5	-0.4		
BJI	16.8	290	eP	00 50 20.0	-1.8		
			eS	00 53 20.0	0.4		
			SMN	$m_B = 4.7$	5.0	0.60	
			SME		5.0	0.35	
QZH	19.2	240	eP	00 50 45.5	-0.7		
WHN	19.6	260	eP	00 50 50.0	-0.3		
			S	00 54 15.0	3.4		
TIY	19.7	282	P	00 50 50.0	-0.8		
			S	00 54 09.5	-2.9		
			LE		11.0	0.22	
HHC	20.4	291	P	00 50 57.2	-1.2		
BTO	21.6	290	eP	00 51 09.0	-0.7		
			sP	00 52 25.0	-4.8		
			eS	00 54 46.0	-1.2		
XAN	23.0	273	+P	00 51 22.4	-0.7		
			S	00 55 13.0	2.8		
GZH	24.1	244	-iP	00 51 35.0	1.4		
			pP	00 52 26.5	-4.6		
LZH	26.7	280	P	00 51 57.0	-0.2		
			PMZ		2.0	0.12	
GYA	27.5	258	-P	00 52 03.4	-0.8		
			PMZ		1.2	0.20	
			pP	00 52 57.8	1.9		
			PcP	00 55 14.4	-0.4		
			S	00 56 20.0	-3.0		
CD2	28.1	269	-iP	00 52 08.4	-1.0		
QZN	29.2	242	P	00 52 21.0	1.4		
GTA	29.4	288	-iP	00 52 21.2	-0.5		
KMI	31.2	259	-iP	00 52 37.5	0.2		
WMQ	38.1	297	P	00 53 36.5	1.1		
KSH	47.5	293	eP	00 54 53.0	1.9		
			eS	01 01 31.0	6.0		

1986 11 14

$O = 04\ 21\ 26.6$ $\pm\ 0.08s$
 $LAT = 36.08\ N$ $\pm\ 1.08km$
 $LONG = 70.20\ E$ $\pm\ 0.99km$
 $DEPTH = 102\ km$ $\pm\ 0.48km$
 STATIONS USED = 22, STAND DEV = 1.72s
 $M_L = 4.9 / 2,$

KSH	5.7	52	P	04 22 54.8	4.6		
			S	04 23 57.5	3.2		
			SMN	$M_L = 4.9$	0.2	1.10	
			SME		0.2	1.00	
WMQ	15.5	55	P	04 24 59.5	-1.0		
			S	04 27 49.5	0.9		
			LN		2.5	0.15	
GTA	23.6	73	+P	04 26 30.4	1.1		
TIY	33.6	74	c(P)	04 27 57.5	-2.1		

1986 11 14

$O = 06\ 33\ 21.7$ $\pm\ 0.27s$
 $LAT = 58.74\ S$ $\pm\ 4.84km$
 $LONG = 25.17\ W$ $\pm\ 5.04km$
 $DEPTH = 19\ km$ $\pm\ 1.33km$
 STATIONS USED = 49, STAND DEV = 3.53s
 $M_s = 5.6 / 3,$

KSH	128.2	75	cPKP	06 52 30.5	2.3		
KMI	130.6	110	cPKP	06 52 34.0	1.1		
GYA	133.6	113	PKP	06 52 41.0	2.4		
WMQ	137.3	80	cPKP	06 52 48.1	2.7		
LZH	140.0	102	cPKP	06 52 47.0	-3.3		
GTA	140.5	94	PKP	06 52 48.7	-2.4		
XAN	141.0	109	PKP	06 52 52.0	0.1		
NJ2	144.0	122	+PKP	06 52 55.8	-1.2		
SSE	144.2	126	PKP	06 52 56.5	-0.8		
TIY	145.6	109	+PKP	06 53 01.1	1.1		
			LN	$M_s = 5.6$	19.0	0.64	
			LE		18.0	0.31	
BTO	146.6	103	ePKP	06 53 03.6	1.9		
TIA	146.7	116	+PKP	06 53 04.2	2.5		
HHC	147.6	104	+PKP	06 53 06.8	3.5		
BJI	149.2	110	cPKP	06 53 06.0	0.2		
DL2	150.9	118	cPKP	06 53 15.0	6.5		
CN2	156.6	117	(PKP)	06 53 08.0	-8.3		
MDJ	159.1	121	cPKP	06 53 37.5	19.3		

1986 11 14

$O = 07\ 27\ 01.3$ $\pm\ 0.16s$
 $LAT = 9.66\ N$ $\pm\ 1.98km$
 $LONG = 126.43\ E$ $\pm\ 1.97km$
 $DEPTH = 56\ km$ $\pm\ 1.52km$
 STATIONS USED = 32, STAND DEV = 2.23s
 $M_s = 4.5 / 1,$

QZN	18.6	302	cP	07 31 17.4	1.4		
SSE	21.9	348	cP	07 31 51.5	0.3		
			PMZ		1.0	0.030	
			LN	$M_s = 4.5$	20.0	0.60	
			LE		20.0	1.15	
NJ2	23.4	344	cP	07 32 06.8	1.0		

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WHN	23.6	333	eP	07 32 09.0	0.6
XAN	29.1	329	eP	07 32 55.6	-3.7
BJI	31.6	345	eP	07 33 21.0	-0.3
HHC	33.7	339	eP	07 33 40.4	0.4
GTA	38.0	326	P	07 34 14.9	-1.0
WMQ	47.8	322	e(P)	07 35 35.0	-0.6

1986 11 14

O = 11 08 44.0 ± 0.11s

LAT = 43.67 N ± 3.69km

LONG = 148.49 E ± 2.46km

DEPTH = 41 km ± 1.53km

STATIONS USED = 40, STAND DEV = 2.27s

MDJ	13.6	281	eP	11 12 04.0	7.1
CN2	16.6	278	eP	11 12 35.0	-1.1
BJI	24.3	273	eP	11 13 58.0	-0.6
NJ2	26.0	253	+P	11 14 18.0	3.0
HHC	27.3	277	eP	11 14 28.0	0.4
TIY	27.8	270	+P	11 14 35.0	2.9
BTO	28.5	277	eP	11 14 38.0	-0.3
			ePP	11 15 28.0	-2.1
			eS	11 19 23.0	1.1
XAN	32.0	266	P	11 15 08.6	-0.7
LZH	34.7	273	P	11 15 33.5	0.5
			PMZ		1.5 0.050
GTA	36.3	280	P	11 15 45.8	-0.1
CD2	37.4	265	-iP	11 15 55.0	0.0
GYA	37.8	257	P	11 16 04.8	5.7
WMQ	43.0	292	P	11 16 42.0	0.1

1986 11 14

O = 12 59 32.6 ± 0.11s

LAT = 27.21 S ± 2.11km

LONG = 176.56 W ± 1.87km

DEPTH = 38 km ± 1.55km

STATIONS USED = 53, STAND DEV = 1.08s

Ms = 5.3 / 3,

QZH	81.2	304	+P	13 11 45.3	-1.6
			sP	13 11 58.0	-3.6
			eS	13 21 58.0	4.7
			LE		Ms = 5.2 20.0 0.62
GZH	84.1	299	-P	13 12 03.0	1.0
QZN	84.8	294	eP	13 12 07.0	1.7
			eS	13 22 28.5	-1.1
NJ2	85.2	310	+P	13 12 07.8	0.8
			eS	13 22 32.0	-1.0
MDJ	86.7	325	eP	13 12 14.2	-0.6
WHN	87.5	306	-iP	13 12 19.5	1.3
DL2	87.5	316	eP	13 12 18.5	0.1
SNY	88.2	320	+P	13 12 21.2	-0.4

CN2	88.4	322	+P	13 12 22.0	-0.7
			pP	13 12 32.0	-1.3
			eS	13 23 03.0	-0.9
TIA	88.7	312	eP	13 12 25.0	0.5
GYA	91.1	299	P	13 12 35.8	0.2
BJI	91.6	315	eP	13 12 38.0	0.4
			SKS	13 23 12.0	8.0
			esS	13 23 55.0	4.6
TIY	92.7	311	+P	13 12 43.0	0.0
			PMZ		1.5 0.090
			SKS	13 23 18.5	7.9
			(S)	13 23 42.5	-0.3
			sS	13 23 57.0	-3.5
			LE		Ms = 5.3 17.0 0.53
XAN	93.2	307	P	13 12 45.4	0.1
			sP	13 13 02.0	1.9
			sS	13 24 07.0	2.1
KMI	93.5	296	-P	13 12 48.5	1.6
CD2	95.5	302	P	13 12 57.6	2.0
BTO	95.8	313	eP	13 12 57.6	0.4
LZH	97.8	306	P	13 13 07.5	1.0
GTA	102.2	308	eP	13 13 25.7	-0.3

1986 11 14

O = 14 03 26.0 ± 0.17s

LAT = 7.47 S ± 0.88km

LONG = 128.49 E ± 0.71km

DEPTH = 175 km ± 1.79km

STATIONS USED = 41, STAND DEV = 1.21s

GZH	33.8	334	eP	14 09 53.0	-0.5
GYA	39.8	329	P	14 10 45.2	1.0
WHN	40.2	341	-iP	14 10 47.5	0.7
NJ2	40.4	347	+P	14 10 48.1	-0.4
KMI	41.0	323	-P	14 10 55.5	1.8
CD2	44.9	329	-iP	14 11 24.2	-1.2
XAN	45.3	337	+iP	14 11 26.8	-1.3
TIY	47.4	343	eP	14 11 43.8	-1.0
			PMZ		0.8 0.030
LZH	49.1	333	P	14 11 58.5	0.1
			PMZ		1.0 0.060
BTO	50.8	342	eP	14 12 11.2	0.5
GTA	53.7	333	+iP	14 12 32.0	-0.4
WMQ	63.0	328	P	14 13 36.6	-0.3

1986 11 14

O = 14 55 53.0 ± 0.11s

LAT = 25.82 N ± 3.20km

LONG = 129.01 E ± 2.62km

DEPTH = 54 km ± 1.46km

STATIONS USED = 21, STAND DEV = 2.31s

$M_s = 4.3 / 1,$

BJI	17.8	326	eP	14 59 58.0	-0.5
TIY	18.4	314	eP	15 00 04.6	-1.3
			LN	$M_s = 4.3$	12.0 0.42
			LE		11.0 0.38
XAN	19.2	300	P	15 00 13.5	-2.2
GYA	20.1	277	P	15 00 23.6	-1.4
BTO	21.6	318	eP	15 00 37.0	-3.6
KMI	23.7	274	-P	15 01 02.0	0.5
LZH	23.8	301	eP	15 01 00.5	-1.9
GTA	27.9	306	+P	15 01 37.4	-3.6

1986 11 14

O = 15 59 58.2 ± 0.07s

LAT = 37.09 N ± 1.19km

LONG = 116.09 W ± 1.36km

DEPTH = 1 km ± 0.52km

STATIONS USED = 35, STAND DEV = 1.18s

MDJ	79.3	319	eP	16 12 06.5	-1.6
CN2	82.1	320	eP	16 12 21.0	-1.5
SNY	84.4	320	eP	16 12 34.5	-0.1
DL2	87.6	319	eP	16 12 49.6	-0.5
BTO	91.9	327	eP	16 13 10.4	-0.1
TIY	93.1	323	-P	16 13 17.0	0.9
WMQ	96.6	343	P	16 13 32.6	0.3
GTA	97.0	333	P	16 13 34.0	-0.1
XAN	97.8	324	eP	16 13 36.6	-0.7

1986 11 14

O = 19 17 46.0 ± 0.10s

LAT = 20.88 S ± 0.99km

LONG = 178.75 W ± 1.01km

DEPTH = 619 km ± 1.25km

STATIONS USED = 35, STAND DEV = 0.84s

NJ2	79.6	310	+P	19 28 53.0	0.7
MDJ	80.4	325	-P	19 28 56.5	-0.1
SNY	82.0	320	-iP	19 29 04.7	-0.2
GYA	86.2	300	-P	19 29 26.0	0.5
TIY	87.0	312	-P	19 29 29.6	0.5
XAN	87.8	308	-P	19 29 33.2	0.4
KMI	88.9	297	-P	19 29 39.0	0.9
BTO	90.0	314	eP	19 29 44.0	0.8
LZH	92.4	308	P	19 29 55.0	0.7
GTA	96.7	310	eP	19 30 13.0	-0.4

1986 11 14

O = 21 20 04.9 ± 0.10s

LAT = 24.02 N ± 1.35km

LONG = 121.81 E ± 1.40km

DEPTH = 34 km ± 0.27km

STATIONS USED = 102, STAND DEV = 1.79s

$M_s = 7.3 / 16,$ $m_B = 6.9 / 14$

QZH	3.1	288	+iPn	21 20 52.5	1.0
			Sn	21 21 28.5	0.0
SSE	7.1	356	+Pn	21 21 47.0	0.5
			LG ₂	21 24 03.0	4.8
			LN	$M_s = 7.6$	16.0 6667
			LE		12.0 2900
GZH	7.8	265	iPn	21 21 58.6	1.8
			Sn	21 23 20.0	-6.1
NJ2	8.4	343	+iP	21 22 06.0	-1.6
			S	21 23 41.0	-1.2
WHN	9.3	316	-P	21 22 17.0	-2.6
			PMZ		0.6 0.53
			iS	21 24 03.5	-0.4
QZN	12.2	248	+P	21 22 58.5	-0.8
			PMZ	$m_B = 6.7$	9.0 13.4
			S	21 25 08.0	-6.6
			SMN	$m_B = 6.3$	8.0 10.3
			SME		8.0 14.7
TIA	12.8	343	-P	21 23 05.6	-2.0
			PMZ	$m_B = 7.2$	10.0 46.2
			S	21 25 32.3	2.8
GYA	13.9	283	P	21 23 21.8	-0.6
			pP	21 23 25.0	-4.5
			S	21 25 58.0	1.9
			LN	$M_s = 6.5$	12.0 104
			LE		12.0 103
DL2	14.8	359	+iP	21 23 36.0	1.7
			PMZ	$m_B = 6.4$	4.0 2.55
			S	21 26 24.0	6.1
XAN	15.0	314	-P	21 23 38.0	1.0
			PMZ	$m_B = 5.9$	7.0 3.38
			pP	21 23 45.0	0.7
			S	21 26 32.0	9.4
			LG ₁	21 27 52.0	-5.5
			LG ₂	21 28 13.5	-7.8
TIY	15.8	332	-P	21 23 48.0	0.8
			pP	21 23 54.5	0.0
			S	21 26 46.0	5.0
			LE	$M_s = 7.4$	11.0 942
BJI	16.7	345	eP	21 24 00.0	2.3
			epP	21 24 08.0	2.7
			sS	21 27 17.0	4.1
			LN	$M_s = 7.5$	20.0 1718
KMI	17.4	278	+P	21 24 07.0	0.1
			iS	21 27 18.0	0.2
			SS	21 27 41.0	2.5
CD2	17.4	297	-iP	21 24 07.4	0.2
			S	21 27 23.0	5.5

S	22 05 53.0	-3.0					
LN			1.0	0.10			
1986 11 14							
O=22 06 14.6		± 0.15s					
LAT=23.78 N		± 1.96km					
LONG=121.56 E		± 1.66km					
DEPTH= 20 km		± 2.61km					
STATIONS USED = 9, STAND DEV = 2.86s							
M _L =4.0 / 5,							
QZH	2.9 294	Pn	22 07 01.5	0.7			
		Sn	22 07 39.5	2.1			
		SMN	M _L =4.1	1.0	0.79		
QZN	11.9 249	eP	22 09 21.2	15.0			
1986 11 14							
O=22 15 08.1		± 0.06s					
LAT=24.32 N		± 0.83km					
LONG=121.58 E		± 0.59km					
DEPTH= 0 km		± 0.93km					
STATIONS USED = 5, STAND DEV = 3.49s							
M _L =4.0 / 3,							
QZH	2.8 283	ePn	22 15 55.5	1.2			
		Sn	22 16 30.3	-0.4			
		SMN	M _L =4.0	1.0	0.74		
		LE		12.0	0.33		
1986 11 14							
O=22 19 09.7		± 0.94s					
LAT=23.86 N		± 6.54km					
LONG=122.08 E		± 5.93km					
DEPTH= 37 km		± 0.54km					
STATIONS USED = 5, STAND DEV = 2.60s							
M _s =4.5 / 1, M _L =3.9 / 3,							
QZH	3.4 289	P	22 20 00.5	-0.7			
		S	22 20 36.8	-3.1			
		SMN	M _L =3.8	0.3	0.33		
		LE	M _s =4.5	15.0	19.8		
1986 11 14							
O=22 31 41.1		± 0.04s					
LAT=24.30 N		± 1.39km					
LONG=121.57 E		± 1.26km					
DEPTH= 14 km		± 1.67km					
STATIONS USED = 13, STAND DEV = 2.98s							
M _L =4.1 / 5,							
QZH	2.8 284	+Pn	22 32 25.9	0.3			
		iSn	22 32 58.7	-2.2			
		SMN	M _L =3.8	0.4	0.47		
NJ2	8.1 343	-P	22 33 40.4	-0.7			

1986 11 14							
O=22 32 47.3		± 0.21s					
LAT=24.27 N		± 4.33km					
LONG=121.39 E		± 3.63km					
DEPTH= 16 km		± 2.82km					
STATIONS USED = 15, STAND DEV = 4.03s							
M _L =4.2 / 4,							
QZH	2.6 285	Pn	22 33 29.5	-0.2			
		Sn	22 34 03.5	0.3			
		SMN	M _L =3.9	0.3	0.62		
		LE		14.0	14.6		
GZH	7.5 263	(Pn)	22 34 37.4	1.3			
		LN		1.0	0.18		
		LE		1.0	0.28		
NJ2	8.1 344	ePn	22 34 45.2	0.8			
TIY	15.4 332	-P	22 36 33.0	6.5			
CN2	19.8 9	+P	22 37 16.2	-3.7			
GTA	23.7 315	P	22 38 00.6	1.1			
WMQ	33.7 314	eP	22 39 30.6	-0.2			
1986 11 14							
O=22 34 22.6		± 0.12s					
LAT=24.04 N		± 1.83km					
LONG=122.00 E		± 2.16km					
DEPTH= 34 km		± 0.83km					
STATIONS USED = 81, STAND DEV = 2.40s							
M _s =5.5 / 8, M _L =4.6 / 2,							
QZH	3.2 287	+Pn	22 35 08.5	-3.0			
		Sn	22 35 46.0	-4.3			
		SMN	M _L =4.8	1.2	3.32		
SSE	7.1 354	+Pn	22 36 05.2	1.1			
		LG ₂	22 38 14.5	-1.4			
		LN		1.0	0.61		
		LE		1.0	0.98		
NJ2	8.5 341	+P	22 36 24.0	-1.8			
		S	22 37 58.0	-2.8			
		LN	M _s =5.5	11.0	32.4		
WHN	9.4 315	P	22 36 43.0	4.2			
		LG ₁	22 39 14.0	-3.8			
		LG ₂	22 39 28.0	-4.7			
		LN	M _s =5.4	18.0	24.1		
		LE		14.0	23.3		
QZN	12.4 249	eP	22 37 19.6	0.3			
		eS	22 39 39.7	2.8			
TIA	12.8 342	eP	22 37 23.8	-2.0			
DL2	14.8 359	eP	22 38 00.0	8.2			
XAN	15.2 314	eP	22 37 55.0	-1.2			
TIY	15.9 331	+P	22 38 06.2	0.4			
		LG ₂	22 42 58.5	-8.8			

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			LN	Ms=5.7	14.0	15.4			S	23 08 31.2	-4.4			
			LE		16.0	19.3			LE	Ms=7.3		6.0	1008	
BJI	16.7	344	eP	22 38 17.5		1.7			QZN	12.1	248	eP	23 07 29.7	0.3
KMI	17.6	278	-P	22 38 27.0		0.2			PP	23 07 39.0		-0.5		
			S	22 41 40.0		1.6			S	23 09 46.4		2.7		
CD2	17.6	297	-iP	22 38 26.5		-0.3			LN	Ms=6.7		17.0	377	
SNY	17.8	4	-iP	22 38 32.1		2.6			LE			17.0	223	
BTO	19.3	331	eP	22 38 49.2		0.9			TIA	12.9	343	eP	23 07 39.0	-0.9
LZH	19.7	312	+iP	22 38 54.0		1.2			cS	23 10 03.3		0.2		
CN2	19.9	7	+P	22 38 53.0		-1.5			LN	Ms=6.4		13.7	153	
MDJ	21.4	15	eP	22 39 09.5		-0.8			LE			5.3	8.78	
GTA	24.2	315	+iP	22 39 39.5		1.7			GYA	13.9	284	+P	23 07 53.4	0.2
WMQ	34.3	314	-iP	22 41 09.0		0.6			sP	23 08 03.8		-1.0		
KSH	41.6	303	P	22 42 12.0		2.4			S	23 10 19.0		-7.4		
									LN	Ms=6.6		12.0	156	
									LE			12.0	89.1	
									DL2	14.9	360	-iP	23 08 11.0	4.0
									SS	23 11 16.0		6.7		
									LE	Ms=7.0		17.0	558	
									XAN	15.0	315	eP	23 08 08.9	0.3
									PP	23 08 21.0		0.6		
									LG ₂	23 12 46.0		-6.9		
									TIY	15.9	332	P	23 08 09.5	-9.8
									sP	23 08 29.5		-1.6		
									PP	23 08 34.0		2.1		
									S	23 11 14.0		0.4		
									SS	23 11 32.0		-0.5		
									LE	Ms=7.1		12.0	516	
									BJI	16.7	345	eP	23 08 33.0	2.9
									epP	23 08 41.0		3.6		
									cS	23 11 40.0		5.9		
									SMN	m _B =6.3		12.0	10.6	
									SME			10.0	14.0	
									LN	Ms=6.8		18.0	355	
									KMI	17.3	278	eP	23 08 37.0	-0.7
									S	23 11 53.0		6.1		
									SS	23 12 04.0		-4.4		
									LE	Ms=6.7		10.0	127	
									CD2	17.4	297	-iP	23 08 27.5	-10.4
									iS	23 11 50.0		0.7		
									SME	m _B =6.5		7.0	17.2	
									SNY	17.9	5	-iP	23 08 47.4	2.5
									SMN	m _B =6.7		12.0	17.5	
									SME			12.0	36.5	
									LN	Ms=6.2		12.0	33.2	
									LE			12.0	40.4	
									HHC	18.9	336	eP	23 08 59.3	2.1
									pP	23 09 07.0		2.5		
									LE	Ms=6.8		11.0	149	
									BTO	19.3	332	-iP	23 09 02.8	0.9

1986 11 14

O=22 55 11.1 ± 0.07s
 LAT=23.93 N ± 1.59km
 LONG=121.88 E ± 1.51km
 DEPTH= 19 km ± 1.63km
 STATIONS USED = 10, STAND DEV = 1.74s

M_L=4.0 / 4,

QZH	3.2	289	Pn	22 56 01.0		0.6		
			Sn	22 56 38.0		-1.5		
			SMN	M _L =3.4		0.2	0.15	
CN2	20.0	8	+P	23 00 03.8		18.0		

1986 11 14

O=23 04 36.4 ± 0.12s
 LAT=23.93 N ± 1.53km
 LONG=121.72 E ± 1.63km
 DEPTH= 32 km ± 0.32km
 STATIONS USED = 102, STAND DEV = 2.11s

Ms=6.7 / 34, M_L=5.6 / 1, m_B=6.6 / 9

QZH	3.0	290	+Pn	23 05 23.5		1.0		
			Sn	23 05 59.5		0.4		
			LN			3.5	128	
SSE	7.2	356	+Pn	23 06 19.0		-0.2		
			LG ₂	23 08 30.5		-1.9		
			LN	Ms=6.3		12.0	241	
			LE			12.0	192	
GZH	7.7	265	+Pn	23 06 29.0		1.8		
			Sn	23 07 50.0		-5.7		
			LN	Ms=7.0		10.0	317	
			LE			11.0	1028	
NJ2	8.5	343	+P	23 06 37.0		-2.9		
			pP	23 06 42.5		-4.2		
			S	23 08 12.0		-3.3		
			LE	Ms=7.0		8.0	791	
WHN	9.3	317	P	23 06 49.0		-2.2		

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LAT=24.05 N ± 1.68km				LONG=121.75 E ± 1.77km				DEPTH= 29 km ± 0.51km							
STATIONS USED = 91, STAND DEV = 1.88s															
Ms=5.8/35,				m _B =5.7/4											
QZH	3.0	288	-iPn	01 00 49.0	0.8			KMI	17.3	277	-P	01 04 06.0	2.2		
			Sn	01 01 25.5	0.6						pP	01 04 12.0	1.4		
			LN	Ms=5.2	6.0	37.1					sS	01 07 24.5	-0.5		
			LE		6.0	36.1					SS	01 07 33.0	-1.8		
SSE	7.0	356	+Pn	01 01 42.5	-1.0						LE	Ms=6.1	12.0	39.8	
			Sn	01 03 07.0	2.4			CD2	17.4	297	P	01 04 03.8	-0.2		
			LG ₂	01 04 00.0	5.9						S	01 07 17.0	3.0		
			LN	Ms=5.6	6.0	9.40					LE	Ms=6.1	11.0	36.5	
			LE		6.0	30.5		SNY	17.8	4	+P	01 04 11.4	2.0		
GZH	7.8	265	-iPn	01 01 55.0	1.4						S	01 07 30.0	6.1		
			Sn	01 03 21.5	-1.3						LN	Ms=5.7	12.0	15.2	
			LN	Ms=5.6	14.0	60.4		HHC	18.8	335	cP	01 04 24.0	2.0		
			LE		12.0	11.8		BTO	19.2	332	P	01 04 27.0	0.2		
NJ2	8.4	343	-P	01 02 02.0	-2.4						pP	01 04 34.0	0.2		
			LN	Ms=5.7	11.0	48.1					cS	01 07 58.0	1.2		
WHN	9.2	316	eP	01 02 13.5	-2.7						LN	Ms=6.2	12.0	40.8	
			eS	01 03 53.0	-7.1						LE		12.0	23.8	
			LG ₂	01 05 03.5	-2.9			LZH	19.6	312	+P	01 04 31.5	0.8		
			LE	Ms=5.7	10.0	41.7					PMZ		2.5	0.62	
QZN	12.2	248	eP	01 02 58.6	2.3						S	01 08 08.0	4.2		
			eS	01 05 14.0	2.1						SME	m _B =5.4	11.0	1.75	
			LG ₂	01 06 49.0	6.0						LN	Ms=6.0	10.0	13.5	
			LN	Ms=5.3	15.0	15.1					LE		11.0	19.5	
			LE		12.0	3.00		CN2	19.9	8	+P	01 04 33.6	-1.0		
TIA	12.8	343	eP	01 03 02.3	-2.2						pP	01 04 39.8	-2.6		
GYA	13.9	283	P	01 03 17.2	-1.9						eS	01 08 10.0	-2.5		
			S	01 05 47.0	-5.5						SME		16.0	6.10	
			LE	Ms=6.1	12.0	56.9					LE	Ms=5.8	18.0	25.8	
DL2	14.8	360	eP	01 03 36.0	4.6			MDJ	21.5	15	eP	01 04 49.5	-1.2		
			sS	01 06 26.0	-0.2						cS	01 08 44.0	1.3		
			LN	Ms=5.6	14.0	19.0		GTA	24.0	315	+iP	01 05 16.8	0.8		
XAN	15.0	315	P	01 03 33.8	0.0						S	01 09 30.5	2.7		
			PP	01 03 45.0	-0.6						SME	m _B =5.5	8.0	1.11	
			LG ₂	01 08 06.5	-9.9						sS	01 09 41.5	-0.6		
			LN	Ms=6.0	10.0	7.97					LE	Ms=5.2	16.0	3.93	
			LE		11.0	35.2		WMQ	34.1	314	P	01 06 47.3	0.4		
TIY	15.8	332	P	01 03 45.3	1.2						S	01 12 09.0	-0.3		
			SS	01 06 55.0	-1.2						LN	Ms=6.2	12.0	8.39	
			LG ₂	01 08 52.0	9.4						LE		11.0	14.6	
			LN	Ms=5.9	11.0	27.9		KSH	41.4	303	P	01 07 51.0	3.1		
			LE		11.0	11.8									
BJI	16.6	345	eP	01 03 58.0	3.3										
			sS	01 07 07.0	-1.8										
			SME		16.0	3.28									
			LN	Ms=5.5	12.0	11.2									

1986 11 15
 O = 02 10 48.9 ± 0.20s
 LAT = 23.93 N ± 2.11km
 LONG = 121.76 E ± 2.76km
 DEPTH = 30 km ± 0.73km
 STATIONS USED = 49, STAND DEV = 2.63s
 Ms = 4.2 / 3, M_L = 4.4 / 7,
 QZH 3.1 290 Pn 02 11 36.0 0.4

			LN		Ms=5.6	12.0	193	SNY	17.8	4	+iP	03 29 07.5	0.9		
			LE			12.0	114				PMZ	m _B =5.6	5.0	1.44	
SSE	7.0	356	-Pn	03 26	41.5	0.7					S	03 32 21.0	-0.1		
			LG ₂	03 28	53.0	1.3					SME			16.0	5.69
			LE		Ms=5.4	6.0	18.9				LN	Ms=5.7	12.0	17.8	
GZH	7.8	265	-Pn	03 26	53.5	2.7		HHC	18.8	335	+P	03 29 21.0	1.8		
			Sn	03 28	17.0	-2.9		BTO	19.2	332	P	03 29 26.0	2.0		
			LN		Ms=5.3	14.0	12.2				PP	03 29 42.0	1.3		
			LE			14.0	30.4				S	03 32 55.5	2.4		
NJ2	8.4	343	+P	03 26	59.0	-2.6					LN	Ms=6.4	16.0	90.4	
			S	03 28	36.4	0.4					LE		16.0	47.0	
			LN		Ms=5.7	11.0	47.6	LZH	19.6	312	P	03 29 29.5	1.6		
WHN	9.2	316	-iP	03 27	11.0	-2.5					PMZ		3.0	0.90	
			eS	03 28	52.5	-4.9					SME	m _B =5.3	11.0	1.50	
			LG ₂	03 30	07.0	3.0					LN	Ms=6.0	11.0	14.2	
			LE		Ms=5.7	10.0	42.5				LE		11.0	22.5	
QZN	12.2	248	eP	03 27	53.4	0.0		CN2	19.9	8	+P	03 29 30.3	-1.5		
			eS	03 30	08.5	-0.5					eS	03 33 05.0	-4.7		
			LG ₁	03 31	23.0	1.9					SME		16.0	4.90	
			LG ₂	03 31	47.0	6.7		MDJ	21.5	15	eP	03 29 48.0	0.1		
			LN		Ms=5.3	16.0	15.9				eS	03 33 44.0	4.2		
			LE			10.5	2.10	GTA	24.1	315	-iP	03 30 14.0	0.8		
TIA	12.8	343	eP	03 27	55.7	-6.0					pP	03 30 21.0	-0.6		
GYA	13.9	283	P	03 28	15.6	-0.7					eS	03 34 26.5	0.5		
			S	03 30	43.0	-6.7					SME		18.0	5.21	
			LE		Ms=6.2	12.0	69.2				LE	Ms=6.0	12.0	21.3	
DL2	14.8	360	-P	03 28	31.0	2.4		WMQ	34.1	314	-iP	03 31 45.3	1.3		
			S	03 31	21.0	8.8					PP	03 33 07.0	8.9		
			LN		Ms=5.5	13.0	13.4				S	03 37 09.0	2.6		
			LE			11.0	3.70				LN	Ms=6.2	12.0	7.84	
XAN	15.0	315	eP	03 28	30.0	-1.0					LE		11.0	14.6	
			eS	03 31	20.0	3.1		KSH	41.4	303	eP	03 32 48.0	2.9		
			LG ₁	03 32	55.0	4.8					PP	03 34 28.0	4.3		
			LG ₂	03 33	15.0	1.0					eS	03 39 04.0	5.8		
			LN		Ms=6.1	8.0	10.3				LE	Ms=6.1	10.0	7.60	
			LE			10.0	39.6								
TIY	15.8	332	P	03 28	41.2	-0.1									
			S	03 31	35.0	0.2									
			LG ₂	03 33	48.0	7.8									
			LN		Ms=6.0	10.0	26.5								
			LE			10.0	11.8								
BJI	16.6	345	eP	03 28	55.5	3.6									
			SMN			13.0	1.61								
			LN		Ms=5.5	12.0	11.9	QZH	3.2	288	ePn	03 53 41.6	-0.5		
KMI	17.3	277	+P	03 29	01.0	0.0					Sn	03 54 16.4	-3.9		
			PP	03 29	15.0	0.0					SMN	M _L =4.0	0.2	0.52	
			sS	03 32	21.0	-1.5					LE	Ms=3.7	10.0	2.31	
			SS	03 32	35.0	3.0									
			LE		Ms=6.1	11.0	39.1	SSE	7.1	355	ePn	03 54 36.6	0.4		
CD2	17.4	297	eP	03 29	01.1	-0.1					LG ₂	03 56 46.0	-3.0		
											LN		1.0	0.050	

1986 11 15
 O=03 52 54.0 ± 0.16s
 LAT=23.98 N ± 2.01km
 LONG=121.92 E ± 2.09km
 DEPTH= 34 km ± 0.78km
 STATIONS USED = 26, STAND DEV = 2.27s
 Ms=3.7/ 1, M_L=4.0/ 6,

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O = 05 36 19.7 ± 0.20s
 LAT = 23.84 N ± 2.23km
 LONG = 121.83 E ± 2.47km
 DEPTH = 32 km ± 0.45km
 STATIONS USED = 38, STAND DEV = 2.72s
 Ms = 4.5 / 3, ML = 4.4 / 4,

SSE	7.3	356	Pn	05 38 05.0	1.0		
			LG ₁	05 40 10.5	3.0		
			LN		1.0	0.080	
			LE		1.0	0.12	
NJ2	8.6	343	+P	05 38 23.4	-1.5		
			S	05 40 00.0	-1.6		
			LN		1.0	0.24	
WHN	9.4	317	cP	05 38 34.5	-1.9		
			eS	05 40 17.0	-5.5		
			LN		Ms = 4.3	11.0	1.59
QZN	12.1	249	cP	05 39 13.6	0.0		
GYA	14.0	284	P	05 39 38.6	0.5		
			S	05 42 12.0	-0.6		
XAN	15.2	315	cP	05 39 54.2	0.4		
TIY	16.0	332	cP	05 40 09.5	5.2		
			LG ₂	05 45 11.5	3.9		
			LN		Ms = 4.5	10.5	1.06
BJI	16.8	345	cP	05 40 17.0	2.1		
CD2	17.5	298	P	05 40 24.0	0.6		
SNY	18.0	4	cP	05 40 25.8	-3.6		
BTO	19.4	332	cP	05 40 36.0	-10.1		
			LN		Ms = 4.7	12.0	1.30
			LE			12.0	0.70
LZH	19.8	312	cP	05 40 49.5	-0.7		
CN2	20.1	8	cP	05 40 53.4	-0.7		
GTA	24.2	315	P	05 41 37.0	1.7		

1986 11 15

O = 05 41 53.3 ± 0.06s
 LAT = 24.42 N ± 1.79km
 LONG = 121.57 E ± 1.55km
 DEPTH = 20 km ± 1.89km
 STATIONS USED = 10, STAND DEV = 3.53s

ML = 3.7 / 6,

QZH	2.8	282	Pn	05 42 37.2	0.3		
			Sn	05 43 11.7	0.3		
			SMN		ML = 2.8	0.3	0.040
			LE			5.0	1.26

1986 11 15

O = 05 52 13.8 ± 0.37s
 LAT = 23.84 N ± 2.40km
 LONG = 121.55 E ± 3.61km
 DEPTH = 33 km ± 0.01km

STATIONS USED = 29, STAND DEV = 3.42s
 Ms = 4.2 / 1, ML = 4.3 / 3,

SSE	7.2	358	Pn	05 53 58.0	0.3		
			LG ₁	05 56 06.0	5.1		
			LN			1.0	0.16
			LE			1.0	0.14
GZH	7.6	266	cPn	05 54 04.0	1.6		
			Sn	05 55 24.0	-5.1		
			LN			1.0	0.15
			LE			1.0	0.12
NJ2	8.5	344	-P	05 54 14.0	-3.9		
			S	05 55 48.6	-5.1		
			LE			1.0	0.20
WHN	9.3	318	cP	05 54 24.0	-4.0		
			S	05 56 04.5	-7.4		
			LG ₁	05 57 04.0	-0.4		
QZN	11.9	249	cP	05 55 04.3	-0.1		
GYA	13.7	284	P	05 55 28.6	-0.2		
			S	05 57 57.0	-3.7		
XAN	15.0	315	cP	05 55 50.5	5.1		
TIY	15.9	333	P	05 56 02.7	6.0		
			LN			Ms = 4.2	12.0 0.63
BJI	16.8	346	(P)	05 56 12.0	4.0		
CD2	17.3	298	P	05 56 04.4	-10.1		
LZH	19.6	313	cP	05 56 45.0	2.9		
GTA	24.1	315	cP	05 57 27.0	-0.5		

1986 11 15

O = 06 06 43.9 ± 0.08s
 LAT = 36.28 N ± 2.00km
 LONG = 140.85 E ± 1.47km
 DEPTH = 59 km ± 1.13km
 STATIONS USED = 50, STAND DEV = 1.75s

Ms = 4.8 / 6,

MDJ	11.9	318	cP	06 09 35.6	1.7		
CN2	14.0	307	cP	06 10 02.5	1.8		
SNY	14.5	298	+P	06 10 08.6	0.9		
			S	06 12 45.0	-1.2		
			LN			Ms = 4.4	14.0 1.00
			LE			17.0	1.28
DL2	15.5	286	cP	06 10 35.3	15.7		
TIA	19.1	277	cP	06 11 03.6	-1.5		
TIY	22.7	282	-P	06 11 42.4	0.5		
			LN			Ms = 4.7	12.0 1.19
BTO	24.5	290	cP	06 11 59.0	0.0		
			eS	06 16 08.0	-4.0		
			LN			Ms = 4.9	11.0 1.20
			LE			11.0	0.60
XAN	26.1	275	P	06 12 15.0	0.2		
LZH	29.8	281	cP	06 12 47.5	0.0		

GYA	30.7	261	P	06 12 55.4	0.0
GTA	32.4	288	-iP	06 13 10.0	-0.5
WMQ	40.8	298	-P	06 14 23.2	1.7
KSH	50.3	294	eP	06 15 39.0	1.6

1986 11 15

O=06 07 04.1 ± 0.06s
 LAT=24.10 N ± 2.71km
 LONG=121.78 E ± 1.82km
 DEPTH= 7 km ± 3.12km
 STATIONS USED = 8, STAND DEV = 2.74s

$M_L=3.7/2,$

QZH	3.0	287	ePn	06 07 52.7	0.0
			Sn	06 08 28.9	-2.2
			SMN	$M_L=3.7$	0.3 0.29
DL2	14.8	360	eP	06 10 35.3	-0.1

1986 11 15

O=06 08 31.5 ± 1.05s
 LAT=23.79 N ± 6.77km
 LONG=121.77 E ± 9.52km
 DEPTH= 41 km ± 2.10km
 STATIONS USED = 14, STAND DEV = 4.05s

$M_s=3.8/1, M_L=4.5/1,$

QZH	3.1	292	eP	06 09 17.5	-2.1
			S	06 09 53.2	-2.0
			SMN	$M_L=4.5$	1.3 1.66
			LE	$M_s=3.8$	8.0 2.65
GZH	7.8	266	eP	06 10 23.0	-2.0
NJ2	8.6	343	+P	06 10 33.0	-3.7
			LN		1.0 0.10
GYA	13.9	284	P	06 11 47.0	-1.9
XAN	15.2	315	P	06 12 15.0	10.5
KMI	17.4	278	eP	06 12 33.0	-0.1
CD2	17.5	298	eP	06 12 32.8	-1.4

1986 11 15

O=06 45 27.1 ± 0.06s
 LAT=39.18 N ± 0.70km
 LONG=123.65 E ± 0.60km
 DEPTH= 24 km ± 0.86km
 STATIONS USED = 10, STAND DEV = 2.09s

$M_L=3.8/9,$

DL2	1.6	261	Pn	06 45 51.8	-2.5
			Sn	06 46 10.5	-5.3
			SMN	$M_L=4.0$	0.4 1.93
			SME		0.4 1.39
SNY	2.6	359	-Pn	06 46 07.7	-1.1
			Pg	06 46 13.0	-1.0
			S*	06 46 46.2	2.7

			SMN	$M_L=4.0$	0.6 0.81
			SME		0.6 0.61
CN2	4.8	16	Pg	06 46 55.2	3.0
			eSn	06 47 30.2	-5.3
			eS*	06 47 55.0	9.7
			SMN	$M_L=4.1$	0.8 0.17
			SME		0.8 0.36
TIA	6.0	242	ePg	06 47 12.6	0.1
			S*	06 48 25.4	7.4
			SMN	$M_L=3.1$	0.5 0.020
			SME		0.5 0.010

1986 11 15

O=07 24 06.8 ± 0.11s
 LAT=23.92 N ± 1.49km
 LONG=121.68 E ± 1.70km
 DEPTH= 27 km ± 0.38km
 STATIONS USED = 103, STAND DEV = 1.84s

$M_s=6.1/42, M_L=4.7/2, m_B=5.7/8$

QZH	3.0	291	+iPn	07 24 53.6	0.7
			Sn	07 25 28.5	-1.1
			LE		8.0 35.9
SSE	7.2	357	+Pn	07 25 49.8	-0.4
			LG ₂	07 27 58.0	-5.1
			LE	$M_s=5.4$	10.0 32.3
GZH	7.7	265	-Pn	07 25 59.5	1.9
			Sn	07 27 20.0	-6.1
			LN	$M_s=5.9$	12.0 30.0
			LE		14.0 111
NJ2	8.5	343	+P	07 26 08.2	-2.7
			S	07 27 39.8	-6.6
			LE	$M_s=6.7$	4.5 205
WHN	9.3	317	eP	07 26 19.0	-2.9
			eS	07 27 58.5	-8.0
			sS	07 28 13.0	-4.0
			LE	$M_s=5.7$	10.0 38.8
QZN	12.0	248	-P	07 27 00.5	0.7
			eS	07 29 14.0	-0.3
			LG ₁	07 30 29.0	3.9
			LN	$M_s=5.9$	16.0 52.6
			LE		15.0 30.7
TIA	12.9	343	eP	07 27 08.8	-2.1
			pP	07 27 15.0	-2.3
			S	07 29 30.0	-3.8
			LN	$M_s=5.8$	15.0 42.5
			LE		20.0 31.7
GYA	13.8	284	P	07 27 23.2	-0.5
			pP	07 27 28.2	-1.8
			S	07 29 53.0	-3.8
			LN	$M_s=6.4$	14.0 130

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			LE		Ms=4.9	10.0	3.50				Sn	09 31 51.0	-2.6		
DL2	15.0	359	eP	09 06 26.5		6.6					LN			1.2	0.92
XAN	15.2	315	eP	09 06 21.6		-1.2					LE			1.2	0.51
			LE		Ms=4.9	11.0	2.73				NJ2	8.6 343	-P	09 30 33.0	-3.6
TIY	16.0	332	eP	09 06 36.0		2.9					S	09 32 10.0		-2.9	
			SS	09 09 49.5		1.6					LN			1.0	0.45
			LG ₂	09 11 40.0		3.5				WHN	9.4 317	eP	09 30 48.5		0.3
			LN		Ms=5.0	12.0	3.22			QZN	12.1 249	eP	09 31 25.8		-0.1
			LE			11.0	1.42				eS	09 33 46.0		4.6	
BJI	16.8	345	eP	09 06 46.0		2.6					LN		Ms=4.6	16.0	3.20
KMI	17.5	278	+P	09 06 55.0		3.1				TIA	12.9 343	eP	09 31 53.8		17.5
SNY	18.0	4	+P	09 06 58.8		1.2					LN		Ms=4.9	15.0	4.36
			eS	09 10 21.0		6.7					LE			11.0	1.56
			LN		Ms=4.7	14.0	1.77			GYA	14.0 284	P	09 31 51.4		1.3
HHC	19.0	335	P	09 07 12.2		1.4					pP	09 31 54.8		-2.0	
BTO	19.4	332	eP	09 07 16.0		0.6					S	09 34 28.0		3.4	
			pP	09 07 23.0		0.1					LE		Ms=4.9	11.0	3.30
			eS	09 10 50.0		2.2				DL2	15.0 359	eP	09 32 11.5		8.1
			LN		Ms=5.2	12.0	3.50			XAN	15.1 315	eP	09 32 03.4		-2.2
			LE			12.0	2.00				LG ₁	09 36 19.0		-8.7	
LZH	19.8	312	eP	09 07 21.0		1.8					LE		Ms=4.8	11.0	2.50
			PMZ			1.5	0.050			TIY	16.0 332	P	09 32 16.4		0.3
			sS	09 11 06.0		-0.9					LG ₂	09 37 19.0		0.6	
			LN		Ms=4.9	10.0	1.10				LN		Ms=4.8	13.0	2.54
			LE			12.0	1.90				LE			11.5	1.16
CN2	20.1	7	eP	09 07 21.8		-0.6				BJI	16.8 345	eP	09 32 27.0		0.4
			eS	09 11 00.0		-1.8				KMI	17.4 278	eP	09 32 37.0		2.4
MDJ	21.6	15	eP	09 07 37.8		-0.3				CD2	17.5 298	P	09 32 37.6		2.2
GTA	24.3	315	-P	09 08 05.1		0.8				SNY	18.0 4	+P	09 32 32.8		-8.4
			esS	09 12 27.0		-5.5					eS	09 36 00.0		2.1	
			LE		Ms=5.0	11.5	1.87				LN		Ms=5.2	13.0	5.12
WMQ	34.4	314	(P)	09 09 35.4		0.6				HHC	19.0 335	P	09 32 54.2		0.3
KSH	41.6	303	e(P)	09 10 38.0		2.3				BTO	19.4 332	eP	09 32 58.2		-0.3
											pP	09 33 04.0		-1.8	
											eS	09 36 33.0		2.6	
											LN		Ms=5.1	16.0	4.10
											LE			16.0	2.40
										LZH	19.7 312	P	09 33 03.5		1.3
											PMZ			2.0	0.13
											LN		Ms=4.8	10.0	1.00
											LE			15.0	1.70
QZH	3.1	290	ePn	09 29 20.5		1.0				CN2	20.1 8	eP	09 33 05.6		-0.4
			Sn	09 29 59.0		1.6				MDJ	21.6 15	eP	09 33 24.2		2.3
			SMN		Ms=4.7	1.2	3.00				eS	09 37 20.0		4.9	
			LE		Ms=4.2	10.0	8.33			GTA	24.2 315	-iP	09 33 48.7		1.4
SSE	7.2	356	ePn	09 30 15.0		-0.6					eS	09 38 05.0		3.7	
			LG ₂	09 32 32.0		2.3					esS	09 38 14.0		-0.8	
			LN		Ms=4.9	10.0	5.78				LE		Ms=4.9	12.0	1.44
			LE			12.0	10.2			WMQ	34.3 314	eP	09 35 13.4		-4.5
GZH	7.8	266	ePn	09 30 17.0		-7.0									

1986 11 15

O=09 28 31.8 ± 0.23s

LAT=23.88 N ± 2.68km

LONG=121.82 E ± 2.85km

DEPTH= 30 km ± 0.75km

STATIONS USED = 65, STAND DEV = 3.04s

Ms=4.9/ 14, ML=4.7/ 6,

1986 11 15					1986 11 15								
O=15 03 32.1 ± 0.28s					O=15 48 33.8 ± 0.13s								
LAT=23.96 N ± 2.74km					LAT=24.14 N ± 3.44km								
LONG=121.99 E ± 3.33km					LONG=121.63 E ± 2.49km								
DEPTH= 33 km ± 0.64km					DEPTH= 20 km ± 2.78km								
STATIONS USED = 37, STAND DEV = 3.55s					STATIONS USED = 16, STAND DEV = 2.86s								
Ms=3.7/ 1, ML=4.1/ 6,					Ms=4.4/ 2, ML=3.6/ 2,								
QZH	3.2	288	ePn	15 04 22.0	0.7	QZH	2.9	287	-Pn	15 49 19.5	0.4		
			Sn	15 04 58.0	-2.3				Sn	15 49 56.3	1.3		
			SMN	ML=3.6	1.2	0.19				LN	4.0	19.4	
			LE	Ms=3.7	12.0	2.41	NJ2	8.3	343	+P	15 50 34.6	-1.0	
SSE	7.1	354	Pn	15 05 15.5	0.7	WHN	9.1	316	P	15 50 46.0	-1.1		
			LG ₂	15 07 26.0	-1.8				LN	Ms=4.3	10.0	1.60	
			LN		1.0	0.040	TIY	15.6	332	eP	15 52 20.2	4.9	
			LE		1.0	0.040				LN	Ms=4.5	14.0	1.48
GZH	8.0	265	eP	15 05 28.0	-0.7	CN2	19.9	8	eP	15 53 04.0	-2.9		
			eS	15 06 50.0	-8.8								
			LN		1.1	0.33							
			LE		1.0	0.63							
NJ2	8.5	342	+P	15 05 34.3	-2.0								
			S	15 07 08.0	-4.2								
			LN		1.0	0.19							
QZN	12.3	249	eP	15 06 28.8	0.4								
GYA	14.1	283	P	15 06 59.0	7.0								
			pP	15 07 03.4	4.5								
			S	15 09 36.8	9.1								
XAN	15.2	314	eP	15 07 12.4	6.0								
BJI	16.8	344	(P)	15 07 30.0	3.8								
CD2	17.6	297	eP	15 07 36.2	-0.5								
LZH	19.8	312	e(P)	15 08 10.0	7.2								
CN2	20.0	7	eP	15 08 04.0	-1.0								
GTA	24.3	315	+P	15 08 49.4	1.6								
WMQ	34.3	314	eP	15 10 21.0	2.6								

1986 11 15						
O=15 37 09.3 ± 0.20s						
LAT=23.83 N ± 3.10km						
LONG=121.78 E ± 2.79km						
DEPTH= 29 km ± 1.13km						
STATIONS USED = 47, STAND DEV = 2.69s						
Ms=4.7/ 8, ML=4.5/ 3,						
QZH	3.1	291	ePn	15 37 56.5	-0.4	
			Sn	15 38 33.7	-0.9	
			SMN	ML=3.3	1.0	0.12
			LE	Ms=4.1	10.0	6.25
SSE	7.3	356	ePn	15 38 59.0	5.2	
			LG ₁	15 41 02.5	5.4	
			LN		1.0	0.070
			LE		1.0	0.17
GZH	7.8	266	ePn	15 39 02.0	0.9	

1986 11 15						
O=15 48 33.8 ± 0.13s						
LAT=24.14 N ± 3.44km						
LONG=121.63 E ± 2.49km						
DEPTH= 20 km ± 2.78km						
STATIONS USED = 16, STAND DEV = 2.86s						
Ms=4.4/ 2, ML=3.6/ 2,						
QZH	2.9	287	-Pn	15 49 19.5	0.4	
			Sn	15 49 56.3	1.3	
			LN		4.0	19.4
NJ2	8.3	343	+P	15 50 34.6	-1.0	
WHN	9.1	316	P	15 50 46.0	-1.1	
			LN	Ms=4.3	10.0	1.60
TIY	15.6	332	eP	15 52 20.2	4.9	
			LN	Ms=4.5	14.0	1.48
CN2	19.9	8	eP	15 53 04.0	-2.9	

WMQ	34.4	314	P	16 19 28.3	-8.5				
KSH	41.7	303	eP	16 20 40.0	2.1				
1986 11 15									
O=19 48 21.3					± 0.26s				
LAT=23.84 S					± 2.21km				
LONG=175.41 W					± 1.99km				
DEPTH= 50 km					± 2.62km				
STATIONS USED = 23, STAND DEV = 1.87s									
Ms=5.1/ 1,									
MDJ	84.6	324	eP	20 00 52.0	0.3				
CN2	86.4	321	eP	20 00 59.0	-1.4				
TIA	87.3	312	eP	20 01 05.1	0.4				
BJI	89.9	314	eP	20 01 17.5	0.2				
TIY	91.3	311	P	20 01 23.9	0.2				
			PMZ			1.0	0.020		
			LN	Ms=5.1		12.0	0.28		
XAN	92.0	306	-P	20 01 27.6	0.4				
KMI	93.0	296	+P	20 01 32.5	0.8				
HHC	93.4	313	eP	20 01 34.0	0.6				
BTO	94.3	313	eP	20 01 36.8	-0.8				
1986 11 15									
O=20 51 31.6					± 0.16s				
LAT=24.33 N					± 2.17km				
LONG=122.13 E					± 2.22km				
DEPTH= 32 km					± 0.75km				
STATIONS USED = 42, STAND DEV = 2.47s									
Ms=3.7/ 1, M _L =4.3/ 7,									
QZH	3.3	281	ePn	20 52 20.0	-1.1				
			Sn	20 52 56.8	-3.7				
			SMN	M _L =4.2		1.0	0.86		
			LE	Ms=3.7		12.0	2.65		
SSE	6.8	353	+Pn	20 53 11.5	2.1				
			LG ₂	20 55 13.0	-2.5				
			LN			1.0	0.020		
			LE			1.0	0.10		
GZH	8.1	263	eP	20 53 33.0	2.5				
			LN			1.0	0.18		
			LE			1.0	0.10		
NJ2	8.2	340	-P	20 53 30.0	-1.4				
			S	20 55 00.5	-3.4				
			LN			1.0	0.17		
WHN	9.3	314	eP	20 53 42.0	-4.1				
GYA	14.1	282	P	20 54 55.6	3.6				
			S	20 57 26.0	-2.2				
XAN	15.0	313	eP	20 55 02.6	-1.1				
TIY	15.7	330	eP	20 55 12.0	-0.3				
BJI	16.4	344	eP	20 55 25.0	3.4				
CD2	17.5	296	eP	20 55 37.2	1.7				

CN2	19.6	7	eP	20 56 01.0	0.8				
LZH	19.6	311	eP	20 55 58.0	-2.7				
GTA	24.1	314	-P	20 56 45.8	0.1				
WMQ	34.2	313	P	20 58 16.4	-0.1				
1986 11 15									
O=21 45 26.8					± 0.18s				
LAT=24.03 N					± 2.06km				
LONG=121.81 E					± 2.46km				
DEPTH= 35 km					± 0.68km				
STATIONS USED = 49, STAND DEV = 2.55s									
Ms=4.5/ 3, M _L =4.6/ 7,									
SSE	7.1	356	eP	21 47 09.0	-1.6				
			LG ₂	21 49 15.0	-4.9				
			LN			1.0	0.11		
			LE			1.0	0.060		
GZH	7.8	265	-P	21 47 20.0	-1.2				
			S	21 48 40.0	-9.3				
			LN			1.0	0.39		
			LE			1.0	0.080		
NJ2	8.4	343	+P	21 47 27.0	-2.4				
			S	21 49 00.0	-3.8				
			LN			1.0	0.30		
WHN	9.3	316	eP	21 47 38.0	-3.4				
			eS	21 49 16.5	-9.1				
			LN	Ms=4.1		12.0	1.10		
QZN	12.2	248	eP	21 48 21.6	0.3				
			eS	21 50 37.4	0.4				
GYA	13.9	283	P	21 48 42.6	-1.7				
			pP	21 48 47.0	-4.5				
			S	21 51 15.6	-2.4				
XAN	15.0	314	eP	21 49 01.4	2.6				
			LG ₁	21 53 29.0	9.7				
TIY	15.8	332	eP	21 49 10.0	1.0				
			LG ₂	21 54 12.5	3.5				
			LN	Ms=4.5		12.0	1.12		
			LE			10.0	0.51		
BJI	16.7	345	eP	21 49 23.5	4.1				
KMI	17.4	278	eP	21 49 32.0	3.2				
CD2	17.4	297	eP	21 49 27.7	-1.4				
CN2	19.9	8	eP	21 49 57.0	-2.0				
GTA	24.1	315	P	21 50 40.0	-0.7				
WMQ	34.2	314	(P)	21 52 25.2	14.4				
KSH	41.5	303	eP	21 53 14.5	1.9				
1986 11 16									
O=05 06 34.3					± 0.10s				
LAT=36.24 N					± 0.76km				
LONG= 79.80 E					± 1.40km				
DEPTH= 1 km					± 1.46km				

STATIONS USED = 5, STAND DEV = 5.25s														
M _L = 3.5 / 4,														
KSH	4.4	318	eP	05 07 42.0	-2.1	GZH	7.8	266	eP	07 09 19.5	0.6	LE	1.2	0.24
			SMN	M _L = 3.8	0.3 0.10				S	07 10 47.0	0.0			
			SME		0.5 0.20	NJ2	8.6	343	+P	07 09 27.8	-2.2	LN	M _s = 4.2	20.0 3.51
1986 11 16									S	07 11 02.0	-4.9			
O = 05 26 14.1				± 0.17s		WHN	9.4	317	eP	07 09 38.0	-3.4			
LAT = 24.26 N				± 1.95km					S	07 11 25.0	-2.3	LE	M _s = 4.7	12.0 4.50
LONG = 121.91 E				± 2.19km		TIA	13.0	343	eP	07 10 50.8	21.1			
DEPTH = 34 km				± 0.52km					LG ₁	07 14 14.7	2.0	LN	M _s = 5.1	11.0 6.44
STATIONS USED = 31, STAND DEV = 2.77s						GYA	14.0	284	P	07 10 42.4	-0.5			
M _s = 4.1 / 1, M _L = 4.1 / 7,									S	07 13 11.0	-6.4			
QZH	3.1	283	eP	05 27 01.0	-0.8	DL2	15.0	359	eP	07 11 03.2	6.4			
			S	05 27 37.5	-0.4	XAN	15.2	315	eP	07 10 57.0	-1.7	LN	M _s = 5.1	10.0 1.72
			SMN	M _L = 3.8	0.7 0.59				LE					
			SME		0.3 0.17				LE					
SSE	6.8	355	P	05 27 50.8	-3.9	TIY	16.0	332	-P	07 11 09.5	0.1			
			LG ₁	05 29 52.0	3.1				LG ₂	07 16 11.0	-1.6			
			LE	M _s = 4.1	14.0 2.33				LN	M _s = 5.0	12.0 3.50			
GZH	7.9	263	eP	05 28 08.0	-2.1				LE					
			eS	05 29 33.0	-6.5	BJI	16.9	345	eP	07 11 22.0	2.0			
			LN		1.0 0.21	KMI	17.4	278	eP	07 11 28.0	0.7			
			LE		1.0 0.080	CD2	17.5	298	eP	07 11 29.1	0.8			
NJ2	8.2	342	eP	05 28 09.0	-4.9				LE	M _s = 5.1	10.0 3.80			
			S	05 29 39.0	-7.3	SNY	18.0	4	eP	07 11 35.4	0.9			
			LN		1.0 0.20				sS	07 15 00.0	-3.4			
GYA	14.0	282	P	05 29 31.0	-1.0				LE	M _s = 4.7	18.0 2.28			
			S	05 32 09.0	2.8	HHC	19.0	336	eP	07 11 48.0	0.8			
XAN	14.9	314	eP	05 29 50.6	5.7	BTO	19.4	332	P	07 11 52.0	0.3			
CN2	19.7	8	eP	05 30 43.0	-0.7				ePP	07 12 09.5	0.5			
MDJ	21.2	15	eP	05 30 58.0	-1.8				eS	07 15 22.0	-2.2			
GTA	24.0	314	P	05 31 27.2	0.1				LN	M _s = 5.2	11.0 3.30			
1986 11 16									LE					
O = 07 07 24.6				± 0.14s		LZH	19.8	312	eP	07 11 56.0	0.8			
LAT = 23.82 N				± 1.86km					PMZ					
LONG = 121.81 E				± 1.77km		CN2	20.2	8	+P	07 11 57.0	-2.3			
DEPTH = 30 km				± 0.48km					eS	07 15 35.0	-4.3			
STATIONS USED = 72, STAND DEV = 2.07s						MDJ	21.7	15	eP	07 12 16.0	0.9			
M _s = 5.1 / 17, M _L = 4.4 / 7,									eS	07 16 12.0	3.2			
QZH	3.1	291	ePn	07 08 13.0	0.6	GTA	24.2	315	+P	07 12 40.5	0.2			
			Sn	07 08 49.5	-0.9				LE	M _s = 5.2	12.0 2.75			
			Sg	07 09 09.8	6.5	WMQ	34.3	314	P	07 14 11.5	0.6			
			SMN		10.0 7.88	KSH	41.6	303	eP	07 15 14.0	2.3			
			LE	M _s = 4.4	10.0 11.1	1986 11 16								
SSE	7.3	356	Pn	07 09 09.4	0.3	O = 13 13 57.4				± 0.12s				
			LG ₁	07 11 10.5	-2.3	LAT = 23.83 N				± 1.62km				
			LG ₂	07 11 28.0	3.7	LONG = 121.80 E				± 1.58km				
			LN		1.2 0.17									

O=14 15 08.1		± 0.12s	
LAT=24.10 N		± 1.67km	
LONG=121.72 E		± 1.71km	
DEPTH= 29 km		± 0.69km	
STATIONS USED = 35, STAND DEV= 1.79s			
Ms=4.5 / 6, M _L =4.0 / 6,			
QZH	3.0 287	-Pn	14 15 54.7 0.9
		Sn	14 16 31.3 1.2
		Sg	14 16 49.0 7.4
		SMN	M _L =4.1 1.2 0.87
		SME	1.0 0.51
SSE	7.0 356	ePn	14 16 48.4 -0.5
		LG ₂	14 18 52.8 -5.7
		LN	Ms=4.0 11.0 1.43
GZH	7.8 264	ePn	14 17 01.0 1.5
		eSn	14 18 24.0 -4.5
		LN	1.2 0.19
		LE	1.2 0.13
NJ2	8.3 343	+P	14 17 08.0 -1.7
		S	14 18 40.0 -3.4
		LE	1.0 0.10
WHN	9.2 316	eP	14 17 20.0 -1.6
		iS	14 19 05.0 0.1
QZN	12.2 248	eP	14 18 03.0 0.6
GYA	13.8 283	P	14 18 25.0 0.2
		S	14 20 53.0 -4.8
		LE	Ms=4.4 12.0 1.30
XAN	14.9 314	eP	14 18 39.6 0.4
		LG ₁	14 23 02.6 5.5
		LN	Ms=4.7 10.0 1.29
		LE	10.0 1.06
TIY	15.7 332	eP	14 19 06.0 17.0
		LN	Ms=4.4 11.0 0.94
BJI	16.6 345	(P)	14 19 05.5 5.4
CD2	17.3 297	eP	14 19 12.0 2.4
BTO	19.2 332	eP	14 19 33.0 0.7
		ePP	14 19 50.0 1.3
		eS	14 23 00.0 -1.7
		LN	Ms=4.8 10.0 1.20
		LE	11.0 0.80
LZH	19.5 312	eP	14 19 37.0 0.8
CN2	19.9 8	eP	14 19 42.0 1.8
GTA	24.0 315	eP	14 20 18.2 -3.5
WMQ	34.1 314	P	14 21 52.5 -0.1

1986 11 16

O=14 30 01.4 ± 0.11s

LAT=35.25 N ± 0.99km

LONG=111.02 E ± 0.84km

DEPTH= 20 km ± 0.33km

STATIONS USED = 13, STAND DEV= 2.86s

M_L=3.4 / 10,

XAN	2.1 236	ePg	14 30 37.0 -1.9
		Sg	14 31 05.0 -2.7
		SMN	M _L =2.7 0.6 0.070
		SME	0.6 0.040
TIY	2.7 24	(Pn)	14 30 45.0 0.5
		Pg	14 30 50.8 1.5
		Sg	14 31 24.0 -2.5
		SMN	M _L =3.5 0.6 0.24
		SME	0.7 0.17
TIA	5.1 77	ePg	14 31 29.7 -1.1
		Sg	14 32 33.7 -6.1
		SMN	M _L =3.4 1.2 0.060
		SME	1.1 0.030
BTO	5.4 352	ePn	14 31 21.0 -0.5
		Pg	14 31 35.0 -1.8
		Sg	14 32 47.2 -3.5
		SMN	M _L =3.4 0.6 0.030
		SME	0.6 0.040
LZH	5.9 280	ePg	14 31 47.0 1.0
		S*	14 32 51.0 -0.5
		SMN	2.5 0.13
		SME	1.0 0.070
GTA	9.8 298	eP	14 32 21.6 -3.8
		LG ₁	14 35 11.0 0.3
		LN	1.0 0.010

1986 11 16

O=14 30 35.8 ± 0.17s

LAT=34.87 N ± 3.23km

LONG=110.99 E ± 1.39km

DEPTH= 29 km ± 0.95km

STATIONS USED = 8, STAND DEV= 3.99s

M_L=3.4 / 6,

XAN	1.9 245	eP*	14 31 08.0 0.9
		Sg	14 31 35.0 -0.9
		SMN	M _L =2.8 0.6 0.10
		SME	0.6 0.080
TIY	3.1 22	(Pg)	14 31 27.2 -3.2
		Sn	14 31 57.9 -2.3
		SMN	M _L =3.6 0.4 0.25
		SME	0.6 0.18
TIA	5.2 73	ePg	14 32 03.9 -3.6
		eS*	14 33 07.9 4.4
		SMN	M _L =3.3 1.2 0.040
		SME	1.1 0.030

1986 11 16

O=14 37 19.4 ± 0.16s

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LAT=24.01 N ± 1.39km
 LONG=103.09 E ± 1.24km
 DEPTH= 9 km ± 0.38km
 STATIONS USED = 10, STAND DEV = 3.45s

$M_L=3.8/6,$

KMI	1.2	344	Pg	14 37 43.0	2.9		
			Sg	14 38 01.5	5.9		
			SME	$M_L=3.9$	1.5	2.20	
GYA	4.1	52	Pn	14 38 22.0	-0.2		
			Pg	14 38 37.0	6.0		
			Sg	14 39 33.6	7.2		
			SMN	$M_L=3.8$	1.0	0.20	
CD2	6.9	5	eP	14 39 02.8	-0.7		
QZN	8.0	127	eP	14 39 14.2	-4.7		
			eS	14 40 48.8	-1.7		

1986 11 16

O=16 02 28.0 ± 0.13s
 LAT=35.38 N ± 1.28km
 LONG=110.95 E ± 1.22km
 DEPTH= 27 km ± 0.44km
 STATIONS USED = 22, STAND DEV = 3.32s

$M_L=3.6/16,$

XAN	2.1	232	Pn	16 03 01.6	-1.0		
			Pg	16 03 03.2	-2.8		
			Sn	16 03 29.5	-0.3		
			Sg	16 03 32.5	-3.0		
			SMN	$M_L=3.1$	0.5	0.13	
			SME		0.5	0.13	
TIY	2.6	27	ePg	16 03 15.8	1.3		
			Sg	16 03 49.6	-0.7		
			SMN	$M_L=3.7$	0.6	0.47	
			SME		0.7	0.38	
TIA	5.1	79	ePg	16 03 56.2	-1.7		
			S*	16 05 00.5	7.0		
			SMN	$M_L=3.5$	1.1	0.070	
			SME		0.8	0.040	
BTO	5.3	352	eP*	16 03 53.2	-1.3		
			Pg	16 04 03.2	2.2		
			Sg	16 05 15.4	2.4		
			SMN	$M_L=3.5$	0.6	0.050	
			SME		0.6	0.060	
HHC	5.5	5	(Pg)	16 04 04.8	-0.3		
			S*	16 05 12.8	8.0		
			SMN	$M_L=3.9$	0.8	0.060	
			SME		0.8	0.15	
LZH	5.8	279	ePg	16 04 10.5	-0.7		
			eS*	16 05 19.0	4.4		
			SMN	$M_L=4.1$	1.5	0.17	
			SME		1.0	0.13	

CD2	7.5	236	ePn	16 04 15.8	-0.4
GTA	9.7	298	eP	16 04 47.0	-2.7

1986 11 16

O=17 46 59.5 ± 0.14s
 LAT=23.69 N ± 1.93km
 LONG=121.59 E ± 1.83km
 DEPTH= 32 km ± 0.56km
 STATIONS USED = 59, STAND DEV = 2.54s

$M_s=4.3/12, M_L=4.5/7,$

QZH	3.0	295	+Pn	17 47 45.2	0.0		
			Sn	17 48 20.0	-1.6		
			Sg	17 48 35.6	1.6		
			SMN	$M_L=4.6$	0.8	2.71	
			SME		0.7	1.62	
			LN	$M_s=4.0$	10.0	4.60	
SSE	7.4	357	ePn	17 48 46.4	1.0		
			LG ₁	17 50 48.0	-3.3		
			LN	$M_s=4.0$	10.0	1.11	
GZH	7.6	267	Pn	17 48 50.5	2.1		
			Sn	17 50 11.0	-4.4		
			LN		1.2	0.48	
			LE		1.2	2.30	
NJ2	8.7	344	+P	17 49 02.8	-2.9		
			S	17 50 37.0	-6.2		
WHN	9.4	318	eP	17 49 12.5	-3.0		
			eS	17 50 51.5	-9.6		
			LN	$M_s=4.1$	14.0	1.21	
QZN	11.9	249	eP	17 49 50.8	1.0		
			eS	17 52 00.4	-2.0		
TIA	13.1	344	eP	17 50 06.1	0.5		
			LN	$M_s=4.5$	11.0	1.70	
GYA	13.8	285	P	17 50 15.4	0.0		
			S	17 52 40.2	-7.9		
XAN	15.1	316	eP	17 50 31.0	-1.8		
			LG ₁	17 54 46.4	-8.3		
			LG ₂	17 55 10.0	-8.7		
			LN	$M_s=4.4$	12.0	1.01	
BJI	16.9	346	eP	17 51 00.0	4.4		
CD2	17.4	298	eP	17 51 05.0	3.5		
			LE	$M_s=4.9$	10.0	2.00	
SNY	18.2	5	eP	17 51 11.2	0.2		
			sS	17 54 34.0	-7.6		
			LE	$M_s=4.3$	20.0	0.96	
BTO	19.5	333	eP	17 51 28.0	1.4		
			ePP	17 51 44.0	0.0		
			eS	17 54 57.0	-2.2		
			LN	$M_s=4.8$	11.0	1.10	
			LE		11.0	0.90	
LZH	19.7	313	eP	17 51 19.0	-10.2		

CN2	20.3	8	eP	17 51 34.0	-1.6		
MDJ	21.9	15	eP	17 51 52.5	0.9		
GTA	24.2	315	P	17 52 14.9	0.4		
			LE			Ms=4.5	11.0 0.58
1986 11 16							
O=	18 24 31.4					± 0.13s	
LAT=	27.18 N					± 2.80km	
LONG=	129.21 E					± 2.26km	
DEPTH=	32 km					± 0.93km	
STATIONS USED =	58,					STAND DEV =	2.47s
Ms=	4.7/10,						
SSE	8.0	301	eP	18 26 28.6	-0.2		
			PMZ				1.0 0.030
			LG ₁	18 28 47.0	3.3		
			LN			Ms=4.3	10.0 1.19
			LE				11.0 1.58
NJ2	10.2	301	+P	18 27 01.0	1.6		
WHN	13.5	288	P	18 27 43.3	0.6		
TIA	13.7	314	eP	18 27 46.8	1.3		
			SS	18 30 38.0	5.1		
SNY	15.3	344	eP	18 28 06.8	-0.4		
			sS	18 31 04.8	-3.0		
			LN			Ms=4.8	12.0 2.67
			LE				12.0 0.96
BJI	16.8	323	eP	18 28 27.0	1.2		
CN2	16.9	351	eP	18 28 28.0	1.2		
			eS	18 31 31.0	-1.3		
MDJ	17.4	1	eP	18 28 34.0	0.4		
TIY	17.6	311	eP	18 28 38.0	1.7		
			SS	18 32 11.0	0.2		
			LN			Ms=4.7	15.0 1.54
			LE				13.0 1.25
XAN	18.7	296	P	18 28 49.6	-0.7		
			pP	18 28 59.0	1.4		
			LE			Ms=4.7	13.0 1.45
HHC	19.9	318	eP	18 29 02.0	-2.0		
GYA	20.1	273	P	18 29 07.4	1.4		
BTO	20.8	315	P	18 29 11.0	-1.4		
			PP	18 29 29.0	-5.1		
			eS	18 32 52.0	-5.8		
			LN			Ms=4.6	15.0 0.90
			LE				15.0 0.80
CD2	22.5	286	eP	18 29 29.8	-0.6		
LZH	23.3	299	eP	18 29 38.0	0.1		
KMI	23.8	271	-P	18 29 45.5	2.3		
GTA	27.3	304	+P	18 30 13.2	-2.6		
			LE			Ms=4.8	13.0 1.14
WMQ	37.2	308	P	18 31 41.5	-0.8		
KSH	45.5	300	P	18 32 52.0	1.4		

1986 11 16							
O=	19 12 24.3					± 0.09s	
LAT=	41.65 N					± 1.22km	
LONG=	81.77 E					± 0.80km	
DEPTH=	25 km					± 0.28km	
STATIONS USED =	10,					STAND DEV =	2.57s
						M _L =	3.6/6,
WMQ	4.9	62	Pn	19 13 40.8	4.1		
			Sg	19 15 00.4	3.3		
			SMN			M _L =3.4	0.6 0.040
			SME				0.8 0.050
KSH	4.9	245	ePg	19 13 50.0	-1.6		
			Sg	19 15 02.7	3.9		
GTA	13.9	93	eP	19 15 40.5	-2.0		
			LG ₂	19 19 56.0	-7.1		
1986 11 16							
O=	20 56 23.2					± 0.17s	
LAT=	22.84 N					± 2.18km	
LONG=	121.21 E					± 2.49km	
DEPTH=	29 km					± 0.82km	
STATIONS USED =	55,					STAND DEV =	2.23s
Ms=	4.5/10,					M _L =	4.4/8,
QZH	3.2	312	-Pn	20 57 12.5	0.7		
			Sn	20 57 59.7	9.2		
			SMN			M _L =4.3	0.7 0.84
			SME				1.0 1.06
			LG ₂	20 58 01.0	-7.3		
			LE			Ms=3.5	12.0 1.79
GZH	7.3	273	ePn	20 58 10.0	2.2		
			eSn	20 59 30.0	-1.4		
			LN				1.2 0.57
			LE				1.2 0.21
NJ2	9.4	348	eP	20 58 39.0	-1.0		
			S	21 00 22.0	-3.8		
QZN	11.3	252	eP	20 59 02.6	-3.2		
			eS	21 01 07.4	-4.6		
			LN			Ms=4.2	14.0 1.40
GYA	13.7	288	P	20 59 33.6	-4.8		
			pP	20 59 38.0	-6.9		
			S	21 02 05.8	-4.4		
TIA	13.8	346	eP	20 59 47.2	7.9		
			LN			Ms=4.5	12.0 1.52
XAN	15.5	319	eP	21 00 01.6	-0.4		
			LG ₁	21 04 34.0	3.3		
			LE			Ms=4.5	13.0 1.45
TIY	16.6	335	-iP	21 00 05.0	-10.8		
			LG ₁	21 05 08.5	2.8		
			LN			Ms=4.9	11.5 2.55

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			LN		1.0	0.10
			LE		1.0	0.060
NJ2	8.5	344	eP	02 23 22.2	-0.8	
			S	02 24 54.0	-5.0	
			LN		1.0	0.10
WHN	9.3	317	eP	02 23 35.0	1.3	
			S	02 25 22.5	4.3	
QZN	12.0	249	eP	02 24 12.0	1.5	
			eS	02 26 22.0	-2.4	
GYA	13.8	284	eP	02 24 35.8	0.9	
			S	02 27 02.2	-5.5	
			LE	Ms=4.5	10.0	1.30
XAN	15.1	315	eP	02 24 55.6	4.6	
			LG ₁	02 29 16.0	4.4	
CD2	17.4	298	P	02 25 18.3	-2.1	
GTA	24.1	315	eP	02 26 35.4	2.4	

1986 11 17
 O=04 26 43.4 ± 0.04s
 LAT=28.40 N ± 0.96km
 LONG=142.48 E ± 0.93km
 DEPTH= 34 km ± 0.24km
 STATIONS USED = 10, STAND DEV = 1.29s

NJ2	20.7	286	+P	04 31 25.0	1.2	
GYA	31.8	275	P	04 33 08.2	0.8	
KMI	35.5	274	eP	04 33 40.0	0.2	
GTA	36.8	299	P	04 33 49.0	-1.3	

1986 11 17
 O=08 40 31.7 ± 0.10s
 LAT=35.17 N ± 1.11km
 LONG=111.05 E ± 1.03km
 DEPTH= 19 km ± 0.12km
 STATIONS USED = 31, STAND DEV = 2.96s
 Ms=3.6 / 2, M_L=4.2 / 16,

XAN	2.1	238	ePn	08 41 07.1	0.9	
			Pg	08 41 08.9	0.3	
			Sg	08 41 37.6	0.5	
			SMN	M _L =3.6	0.6	0.55
			SME		0.6	0.46
TIY	2.8	23	+Pn	08 41 17.4	1.7	
			Pg	08 41 21.8	1.1	
			S*	08 41 55.6	3.0	
			SMN	M _L =4.2	0.8	1.24
			SME		0.8	1.09
TIA	5.1	76	Pn	08 41 48.1	1.1	
			Pg	08 42 02.3	1.4	
			Sg	08 43 06.1	-4.0	
			SMN	M _L =4.1	1.2	0.33
			SME		0.9	0.17

WHN	5.4	148	Pn	08 41 53.3	1.8	
			Pg	08 42 14.0	7.3	
			Sg	08 43 21.8	1.4	
			LN		1.0	0.29
			LE		1.0	0.33
BTO	5.5	352	Pn	08 41 52.8	-0.2	
			Pg	08 42 08.6	0.2	
			Sg	08 43 20.4	-3.0	
			SMN	M _L =4.7	1.2	0.52
			SME		1.2	0.88
LZH	5.9	281	ePn	08 42 05.0	5.7	
			LG ₁	08 43 39.0	0.9	
			LN		2.0	0.69
			LE		1.0	0.58
BJI	6.3	38	ePn	08 42 05.0	0.4	
			Pg	08 42 24.0	0.4	
			eSn	08 43 14.0	-4.8	
			eS*	08 43 42.0	7.7	
			SMN	M _L =3.8	0.5	0.060
			SME		0.5	0.050
NJ2	7.2	113	+Pn	08 42 14.0	-2.7	
			Sn	08 43 32.0	-8.4	
			LN		1.0	0.10
CD2	7.4	237	-iPn	08 42 22.5	2.6	
			Pg	08 42 49.7	6.6	
			Sn	08 43 50.0	3.9	
			SMN	M _L =4.5	1.3	0.29
			SME		0.8	0.080
GYA	9.5	205	P	08 42 49.8	-0.6	
			S	08 44 31.2	-5.7	
GTA	9.9	299	P	08 42 53.0	-3.5	
			LG ₁	08 45 47.2	4.6	
			LN	Ms=4.0	8.0	0.57

1986 11 17
 O=09 30 22.9 ± 0.11s
 LAT=35.15 N ± 1.29km
 LONG=111.03 E ± 1.07km
 DEPTH= 7 km ± 0.14km
 STATIONS USED = 26, STAND DEV = 3.78s
 Ms=3.4 / 1, M_L=3.8 / 15,

XAN	2.1	238	ePn	09 30 59.6	1.2	
			Pg	09 31 01.4	2.1	
			Sg	09 31 30.4	2.9	
			SMN	M _L =3.4	0.6	0.36
			SME		0.6	0.24
TIY	2.8	23	ePn	09 31 08.0	-0.6	
			Pg	09 31 13.6	1.3	
			Sg	09 31 48.0	-2.6	
			SMN	M _L =4.0	0.7	0.81

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1986 11 17						1986 11 17								
TIA	5.1	76	Pn	09 31 40.8	1.0	O=11 21 15.6				± 0.17s				
			Pg	09 31 54.6	2.1	LAT=23.75 N				± 2.19km				
			Sg	09 32 58.5	-3.4	LONG=121.56 E				± 2.16km				
			SMN	M _L =3.8	1.0	DEPTH= 32 km				± 0.54km				
			SME		0.8	STATIONS USED = 65,				STAND DEV = 2.58s				
WHN	5.4	148	ePn	09 31 47.5	3.6	Ms=4.7 / 23,				M _L =4.6 / 8,				
			Pg	09 32 05.0	7.2	QZH	3.0	294	-iPn	11 22 01.0	0.2			
			Sn	09 32 47.5	-0.8				Sn	11 22 34.6	-2.1			
			Sg	09 33 15.0	3.7				SMN	M _L =4.6	0.9	2.75		
			LN		1.0				SME		0.9	2.21		
			LE		0.5				LG ₁	11 22 49.0	0.5			
LZH	5.9	281	ePg	09 32 08.0	0.2				LN		10.0	4.82		
			Sg	09 33 28.0	-0.6				LE		10.0	5.56		
			LN		2.0	SSE	7.3	357	Pn	11 23 04.4	3.5			
			LE		1.0				LG ₁	11 25 00.0	-5.7			
BJI	6.4	38	ePn	09 31 57.5	0.0				LG ₂	11 25 15.2	-2.1			
			ePg	09 32 17.0	1.7				LN	Ms=4.1	10.0	1.33		
			eSn	09 33 06.5	-6.3	GZH	7.6	267	+iP	11 23 06.2	-0.5			
			eSg	09 33 34.5	-7.8				S	11 24 25.5	-6.7			
			SMN	M _L =3.4	0.5				LE	Ms=4.2	14.0	2.67		
			SME		0.5	NJ2	8.6	344	eP	11 23 18.6	-2.5			
GTA	9.9	299	P	09 32 46.1	-3.0				S	11 24 53.5	-4.4			
									LN	Ms=4.9	9.0	6.40		
									WHN	9.3	318	P	11 23 28.0	-3.0
									S	11 25 08.0	-7.7			
									LN	Ms=4.7	9.0	2.50		
									LE		9.0	2.80		
									QZN	11.9	249	eP	11 24 07.6	1.6
									eS	11 26 15.2	-3.3			
									LN	Ms=4.5	17.0	2.60		
									LE		17.0	1.70		
									TIA	13.0	344	eP	11 24 25.8	4.8
									S	11 26 35.5	-9.6			
									LN	Ms=4.8	10.5	2.38		
									LE		9.0	1.14		
									GYA	13.8	284	P	11 24 30.4	-0.8
									pP	11 24 35.0	-3.0			
									S	11 26 55.0	-8.4			
									LE	Ms=4.8	12.0	2.90		
									XAN	15.1	316	eP	11 24 44.0	-4.3
									LN	Ms=4.7	9.0	0.83		
									LE		10.0	1.69		
									TIY	16.0	333	eP	11 25 01.6	1.8
									LG ₂	11 30 03.0	0.7			
									LN	Ms=4.8	10.0	1.76		
									LE		10.0	0.82		
									BJI	16.9	346	eP	11 25 15.0	3.9
									KMI	17.2	278	-P	11 25 19.5	4.0
									CD2	17.3	298	eP	11 25 16.4	-0.7

			LG ₂	11 30 39.0	-8.8		
			LE		Ms=5.2	10.0	4.00
SNY	18.1	5	eP	11 25 27.4	0.8		
			LE		Ms=4.9	18.0	3.81
BTO	19.4	333	P	11 25 42.0	-0.2		
			epP	11 25 46.0	-3.7		
			ePP	11 25 57.0	-2.4		
			S	11 29 10.0	-3.2		
			LN		Ms=5.0	11.0	1.70
			LE			11.0	1.60
LZH	19.6	313	eP	11 25 44.0	-0.8		
			PMZ			1.5	0.050
MDJ	21.8	16	eP	11 26 07.5	0.1		
			eS	11 30 04.0	2.0		
GTA	24.1	315	P	11 26 30.2	0.0		
			LE		Ms=4.9	11.0	1.27
WMQ	34.2	314	eP	11 27 53.7	-7.1		

1986 11 17

O=13 19 48.8 ± 0.20s
 LAT=23.99 N ± 2.46km
 LONG=121.83 E ± 2.44km
 DEPTH= 32 km ± 0.89km
 STATIONS USED = 34, STAND DEV = 2.37s
 Ms=3.8/ 2, M_L=3.9/ 7,

QZH	3.1	288	-iPn	13 20 37.1	1.2		
			Sn	13 21 12.0	-1.4		
			SMN		M _L =3.6	0.4	0.29
			SME			0.4	0.16
SSE	7.1	356	Pn	13 21 31.0	0.1		
			LG ₂	13 23 40.5	-2.5		
			LN		Ms=3.7	14.0	0.88
GZH	7.8	265	ePn	13 21 43.0	1.9		
			Sn	13 23 06.5	-4.3		
			LN			1.2	0.18
			LE			1.2	0.080
NJ2	8.4	343	+P	13 21 49.2	-2.8		
			S	13 23 23.2	-3.8		
			LN			1.0	0.090
WHN	9.3	316	eP	13 22 02.5	-1.5		
			eS	13 23 41.0	-7.8		
			LN			1.2	0.10
			LE			1.2	0.10
XAN	15.1	315	eP	13 23 20.5	-0.9		
TIY	15.9	332	eP	13 23 38.5	6.8		
CD2	17.4	297	eP	13 23 50.8	-0.8		
LZH	19.6	312	eP	13 24 23.0	4.8		
CN2	20.0	8	eP	13 24 21.0	-0.6		
GTA	24.1	315	+P	13 25 03.9	0.5		

1986 11 17

O=14 02 10.5 ± 0.23s
 LAT=24.19 N ± 2.47km
 LONG=121.53 E ± 2.47km
 DEPTH= 35 km ± 0.95km
 STATIONS USED = 28, STAND DEV = 1.80s
 Ms=3.4/ 1, M_L=3.8/ 6,

QZH	2.8	286	eP	14 02 52.7	-1.0		
			S	14 03 29.5	3.4		
			SMN		M _L =3.6	0.5	0.18
			SME			0.5	0.34
			LE			10.0	1.11
SSE	6.9	358	P	14 03 49.2	-2.6		
			LG ₂	14 06 03.6	5.9		
			LE		Ms=3.4	16.0	0.57
GZH	7.6	263	eP	14 04 02.0	0.5		
			S	14 05 21.0	-5.9		
			LN			1.2	0.13
			LE			1.2	0.090
WHN	9.0	316	eP	14 04 22.0	1.0		
QZN	12.0	247	eP	14 05 02.2	-0.3		
			eS	14 07 14.7	-1.6		
GYA	13.6	283	eP	14 05 23.6	-0.5		
			S	14 07 50.6	-4.1		
XAN	14.7	315	eP	14 05 38.0	-0.6		
TIY	15.6	332	eP	14 05 54.6	5.4		
			PcP	14 10 55.5	5.1		
CN2	19.8	8	eP	14 06 41.0	-0.2		
GTA	23.8	315	eP	14 07 21.6	0.2		

1986 11 17

O=15 36 18.0 ± 0.23s
 LAT= 2.95 S ± 2.25km
 LONG=134.63 E ± 2.77km
 DEPTH= 28 km ± 1.05km
 STATIONS USED = 27, STAND DEV = 2.72s

NJ2	37.9	338	eP	15 43 35.0	0.1		
WHN	38.5	331	P	15 43 41.5	1.4		
GYA	39.8	319	P	15 43 54.6	3.6		
XAN	44.0	329	eP	15 44 22.6	-3.1		
BJI	46.0	340	eP	15 44 40.5	-0.8		
CN2	47.3	351	eP	15 44 50.4	-0.7		
LZH	48.3	326	eP	15 45 02.0	2.4		
GTA	52.9	326	+P	15 45 34.4	-0.2		
WMQ	62.7	323	eP	15 46 43.5	0.0		

1986 11 17

O=20 40 15.6 ± 0.20s
 LAT=24.12 N ± 2.82km
 LONG=121.76 E ± 2.62km

DEPTH = 31 km ± 1.02km						DEPTH = 34 km ± 0.48km					
STATIONS USED = 46, STAND DEV = 2.83s						STATIONS USED = 66, STAND DEV = 2.77s					
Ms=4.5/10, ML=4.3/7,						Ms=4.7/19, ML=4.4/5, mb=5.1/1					
QZH	3.0	287	ePn	20 41 02.5	1.0	QZH	3.4	285	eP	21 14 45.4	-2.5
			Sn	20 41 39.0	1.1				S	21 15 21.2	-6.1
			SMN	ML=4.3	1.2 1.59				LG ₁	21 15 34.6	-8.0
			SME		1.2 1.03				LN	Ms=3.9	10.0 2.19
			LG ₂	20 42 04.0	9.3				LE		10.0 2.59
			LE	Ms=3.5	10.0 1.67	SSE	7.1	353	P	21 15 38.3	-1.2
SSE	7.0	356	ePn	20 41 56.0	-0.1				LG ₁	21 17 39.5	2.1
			LG ₂	20 44 02.6	-3.1				LN	Ms=4.2	12.0 2.37
			LN		1.0 1.05	GZH	8.2	265	eP	21 15 57.0	1.8
			LE		1.0 0.040				LN		1.2 0.44
GZH	7.8	264	Pn	20 42 09.3	2.0				LE		1.2 0.34
			Sn	20 43 30.0	-6.5	NJ2	8.5	340	-P	21 15 57.4	-2.0
			LE	Ms=4.0	14.0 1.33				S	21 17 25.5	-9.2
WHN	9.2	316	P	20 42 27.0	-2.1				LE	Ms=4.8	6.0 3.20
			eS	20 44 06.0	-6.5	WHN	9.5	314	eP	21 16 13.0	-0.4
QZN	12.2	248	eP	20 43 14.5	4.4				LE	Ms=4.6	10.0 2.70
			eS	20 45 31.0	5.0	QZN	12.5	249	eP	21 17 01.0	6.1
			LN	Ms=4.0	15.0 0.70				eS	21 19 19.3	4.8
GYA	13.9	283	eP	20 43 32.8	0.3	TIA	12.9	341	eP	21 17 04.6	5.3
			eS	20 46 04.0	-2.4				SS	21 19 47.0	9.9
			LE	Ms=4.7	8.0 1.60				eLG ₂	21 20 54.1	-6.2
XAN	14.9	314	eP	20 43 43.0	-3.7				LN	Ms=4.6	14.0 2.36
			LG ₂	20 48 20.0	-8.7				LE		14.0 1.15
			LN	Ms=4.5	9.0 0.62	GYA	14.3	283	P	21 17 17.6	-0.1
			LE		10.0 0.85				S	21 19 48.0	-7.0
TIY	15.7	332	eP	20 44 02.5	5.7				LE	Ms=4.6	10.0 1.60
			LN	Ms=4.4	11.0 0.88	XAN	15.3	314	eP	21 17 27.4	-3.4
			LE		11.0 0.44				LG ₂	21 22 14.5	-4.9
BJI	16.6	345	(P)	20 44 10.0	2.7				LN		0.8 0.62
CD2	17.3	297	eP	20 44 17.5	0.4				LE		0.8 1.72
			LG ₂	20 49 42.0	-5.6	BJI	16.7	344	(P)	21 17 48.5	-0.7
			LE	Ms=4.7	5.0 0.77	CD2	17.7	297	eP	21 18 00.1	-1.7
BTO	19.2	332	eP	20 44 38.4	-1.2				LN	Ms=5.0	6.0 1.50
			ePP	20 44 55.0	-1.1	KMI	17.7	277	eP	21 18 11.5	9.3
			eS	20 48 05.0	-3.9	SNY	17.7	3	+P	21 18 04.7	2.6
			LN	Ms=4.6	11.0 0.90				eSS	21 21 34.0	-4.4
			LE		11.0 0.50				LN	Ms=4.7	16.0 2.00
LZH	19.5	312	eP	20 44 41.5	-2.2				LE		18.0 0.70
CN2	19.9	8	eP	20 44 47.0	-0.3	BTO	19.4	331	eP	21 18 21.0	-1.1
MDJ	21.4	15	eP	20 45 04.5	1.1				ePP	21 18 36.0	-3.3
GTA	24.0	315	P	20 45 20.0	-9.0				LN	Ms=4.8	14.0 1.90
			LE	Ms=4.6	11.5 0.73				LE		14.0 1.20
						LZH	19.9	311	eP	21 18 26.5	-0.7
									PMZ		1.5 0.070
									LE	Ms=4.7	15.0 1.74
						CN2	19.9	7	+P	21 18 26.4	-0.7
									eS	21 21 58.0	-5.9

1986 11 17

O=21 13 55.9 ± 0.15s

LAT=24.07 N ± 1.84km

LONG=122.20 E ± 2.06km

			LN		$M_s = 5.5$	11.0	10.2	NJ2	144.5	121	+PKP	12 21 56.8	-0.9		
SNY	17.9	4	+P	08 53 23.0	1.8			SSE	144.7	125	PKP	12 21 57.0	-1.1		
			PMZ		$m_B = 5.2$	5.0	0.64	TIY	145.9	108	-PKP	12 22 01.5	1.2		
			eS	08 56 37.0	-0.1			BTO	146.8	102	+iPKP	12 22 03.5	1.6		
			LN		$M_s = 5.3$	13.0	6.93	BJI	149.6	109	ePKP	12 22 10.5	4.3		
HHC	18.9	335	+P	08 53 35.5	1.5			DL2	151.4	117	ePKP	12 22 14.0	5.1		
			SS*	08 57 20.0	-5.0			CN2	157.0	115	ePKP	12 22 16.0	-0.6		
			LN		$M_s = 5.3$	14.0	6.75				pPKP	12 22 32.0	-2.1		
			LE			15.0	3.08	MDJ	159.5	120	ePKP	12 22 28.0	8.2		
BTO	19.3	332	P	08 53 39.0	0.3										
			ePP	08 53 55.0	-0.7										
			S	08 57 07.0	-1.8										
			LN		$M_s = 5.7$	13.0	12.9								
			LE			12.0	6.10								
LZH	19.7	312	+P	08 53 43.5	1.1										
			PMZ			2.5	0.62								
			eS	08 57 18.0	0.5										
			SMN		$m_B = 5.2$	10.0	1.02	KSH	1.3	244	-iPn	13 27 25.5	1.7		
			LN		$M_s = 5.5$	14.0	6.44				Sn	13 27 45.5	3.9		
			LE			12.0	7.42	WMQ	8.5	60	P	13 29 05.1	1.0		
CN2	20.0	8	+P	08 53 45.0	-1.2						S	13 30 41.2	2.1		
			PMZ		$m_B = 5.2$	4.0	0.50				LE		1.5	0.090	
			eS	08 57 21.0	-3.8			GTA	17.2	85	eP	13 30 59.5	-0.4		
			SMN		$m_B = 5.2$	4.0	0.40				eLG ₂	13 36 25.8	-0.9		
MDJ	21.6	15	eP	08 54 00.5	-1.6						LN		1.4	0.020	
			eS	08 57 56.0	1.6						LE		1.3	0.020	
GTA	24.2	315	+iP	08 54 28.7	1.1										
			pP	08 54 36.0	-0.5										
			eS	08 58 44.5	3.6										
			LE		$M_s = 5.6$	12.5	7.71								
WMQ	34.2	314	P	08 55 59.8	1.5										
			PMZ			2.5	0.26								
			sP	08 56 13.5	1.9										
			LN		$M_s = 5.7$	11.0	2.94								
			LE			11.0	4.05	QZH	2.9	285	eP	14 11 01.2	0.5		
KSH	41.5	303	P	08 57 02.0	2.8						S	14 11 35.5	0.3		
			PP	08 58 43.0	4.9						SMN	$M_L = 4.2$	1.0	1.23	
			eS	09 03 19.0	6.4						SME		1.0	0.60	
			LE		$M_s = 5.9$	15.0	7.50				LE		10.0	2.31	
								SSE	6.9	356	eP	14 11 55.3	-0.9		
											LG ₁	14 13 43.0	-7.9		
											LG ₂	14 13 57.3	-4.5		
											LN	$M_s = 3.9$	9.0	0.94	
								GZH	7.8	263	eP	14 12 09.0	0.2		
											S	14 13 30.0	-6.3		
											LN	$M_s = 4.2$	11.0	1.47	
											LE		11.0	1.07	
								NJ2	8.2	343	eP	14 12 15.5	0.7		
											S	14 13 45.8	-1.4		
											LN		1.0	0.30	

1986 11 18

O = 13 27 00.7 ± 0.07s

LAT = 40.06 N ± 1.24km

LONG = 77.53 E ± 1.18km

DEPTH = 33 km ± 0.28km

STATIONS USED = 14, STAND DEV = 2.46s

$M_L = 4.1 / 5,$

1986 11 18

O = 14 10 15.1 ± 0.19s

LAT = 24.22 N ± 2.05km

LONG = 121.73 E ± 2.29km

DEPTH = 33 km ± 0.50km

STATIONS USED = 37, STAND DEV = 2.80s

$M_s = 4.5 / 9, M_L = 4.2 / 7,$

1986 11 18

O = 12 02 27.8 ± 0.31s

LAT = 58.02 S ± 5.15km

LONG = 25.35 W ± 6.65km

DEPTH = 62 km ± 2.12km

STATIONS USED = 37, STAND DEV = 4.21s

KSH	128.1	75	ePKP	12 21 45.0	18.5		
WMQ	137.3	79	PKP	12 21 37.6	-7.6		
GTA	140.6	94	ePKP	12 21 49.5	-1.7		
XAN	141.3	108	PKP	12 21 45.5	-6.8		

			LE	Ms=4.9	10.0	2.10			O = 00 06 49.7	± 0.14s		
CD2	17.7	297	eP	15 35 14.2	0.7				LAT = 29.62 N	± 3.22km		
			LG ₂	15 40 52.0	1.1				LONG = 131.44 E	± 3.89km		
			LE	Ms=5.2	12.0	4.70			DEPTH = 40 km	± 2.47km		
SNY	17.8	4	+P	15 35 17.6	1.9				STATIONS USED = 50,	STAND DEV = 2.55s		
			eS	15 38 32.0	0.8				Ms=4.7 / 18,			
			SS	15 38 58.0	4.7			SSE	9.0 282 eP	00 09 00.5	0.5	
			LN	Ms=5.0	12.0	3.35			eS	00 10 44.0	3.6	
HHC	19.0	335	+P	15 35 31.2	-1.1				LN	Ms=4.6	12.0	1.05
			PP	15 35 43.0	-3.1				LE		12.0	3.51
			S	15 38 52.0	-4.6			NJ2	11.1 286 eP	00 09 28.4	-0.5	
			LN	Ms=5.0	13.0	2.67			LE	Ms=4.6	14.0	2.90
			LE		16.0	2.03		DL2	12.3 321 eP	00 09 41.0	-4.4	
BTO	19.4	331	P	15 35 34.0	-0.8			TIA	13.7 302 eP	00 10 02.8	-1.0	
			ePP	15 35 50.0	-2.1			SNY	13.7 335 eP	00 10 05.0	0.6	
			eS	15 39 02.0	-5.1				eS	00 12 37.0	0.6	
			LN	Ms=5.3	13.0	5.40			LN	Ms=4.7	11.0	1.47
			LE		12.0	2.70			LE		11.0	1.38
LZH	19.8	312	eP	15 35 40.0	0.6			CN2	14.9 343 eP	00 10 23.0	2.9	
			PMZ			2.0	0.11	MDJ	15.0 355 eP	00 10 16.0	-5.4	
			eS	15 39 14.0	-2.4			BJI	16.3 314 eP	00 10 36.5	-0.5	
			LE	Ms=5.1	11.0	3.00			eS	00 13 45.0	9.5	
CN2	20.0	7	+P	15 35 39.0	-1.6				LN	Ms=4.8	13.0	1.36
			eS	15 39 11.0	-7.7				LE		12.0	1.77
			LN	Ms=5.0	14.0	3.40		TIY	17.7 302 eP	00 10 54.2	-1.5	
MDJ	21.5	15	eP	15 35 53.0	-3.3				sP	00 11 06.0	-3.3	
			eS	15 39 48.0	0.0				S	00 14 14.0	5.2	
GTA	24.3	315	-iP	15 36 25.7	1.4				eS	00 14 23.5	0.5	
			eS	15 40 33.5	-5.5				LN	Ms=4.7	13.0	1.35
			LE	Ms=5.3	13.0	3.72			LE		13.0	1.32
WMQ	34.4	314	P	15 37 53.4	-1.5			XAN	19.6 289 P	00 11 14.4	-3.6	
KSH	41.7	303	eP	15 39 09.0	13.7			HHC	19.7 310 eP	00 11 22.0	3.4	
									LN	Ms=5.0	16.0	1.69
									LE		14.0	2.49
								BTO	20.6 308 eP	00 11 30.0	1.5	
									eS	00 15 15.0	3.1	
									LN	Ms=4.9	14.0	1.10
									LE		14.0	2.00
								GYA	22.1 268 P	00 11 44.4	1.1	
								QZN	22.3 247 eP	00 11 37.4	-7.8	
									eS	00 15 36.0	-7.0	
									LN	Ms=4.5	12.0	0.70
								CD2	23.9 280 eP	00 12 01.4	0.1	
									(S)	00 16 20.0	7.9	
									LN	Ms=4.8	16.0	1.80
								LZH	24.0 293 eP	00 12 09.0	6.7	
									PMZ		2.0	0.060
									LE	Ms=4.9	14.0	1.84
								KMI	25.8 267 eP	00 12 20.5	0.6	
								GTA	27.7 299 eP	00 12 35.0	-1.9	

1986 11 18

O = 22 48 27.5 ± 0.29s
 LAT = 24.16 S ± 3.11km
 LONG = 179.93 E ± 1.40km
 DEPTH = 505 km ± 3.58km
 STATIONS USED = 38, STAND DEV = 2.70s

NJ2	80.8	311	-P	22 59 49.0	-0.7		
WHN	83.1	308	eP	23 00 01.0	-0.5		
SNY	83.8	321	+P	23 00 03.8	-1.2		
CN2	84.1	324	eP	23 00 05.0	-1.3		
TIA	84.4	314	eP	23 00 07.2	-0.6		
GYA	86.8	301	P	23 00 19.0	-0.7		
TIY	88.3	313	eP	23 00 26.0	-0.7		
XAN	88.8	308	P	23 00 28.5	-0.7		
GTA	97.8	310	P	23 01 17.0	6.7		

1986 11 19

			Sn	00 52 50.0	-6.8		
			LN			1.0	0.16
			LE			1.0	0.12
NJ2	8.3	343	+P	00 51 38.1	-1.9		
			S	00 53 12.0	-1.9		
			LN	Ms=4.6		9.0	3.00
WHN	9.1	316	eP	00 51 49.5	-1.8		
			eS	00 53 29.0	-5.4		
			LN	Ms=4.5		10.0	2.70
QZN	12.1	248	eP	00 52 30.6	-0.8		
			eS	00 54 45.0	-1.2		
GYA	13.8	283	P	00 52 53.4	-0.7		
			eS	00 55 20.4	-6.8		
			LE	Ms=4.6		10.0	1.50
DL2	14.8	360	eP	00 53 15.0	7.5		
XAN	14.9	315	P	00 53 09.2	0.3		
			LG ₁	00 57 26.0	0.2		
			LG ₂	00 57 58.5	9.1		
			LN	Ms=4.5		9.0	0.41
			LE			10.0	1.06
TIY	15.7	332	eP	00 53 23.4	3.8		
			LN	Ms=4.4		12.0	0.79
			LE			11.0	0.44
BJI	16.6	345	eP	00 53 32.5	2.1		
CD2	17.3	297	eP	00 53 40.0	0.9		
			LG ₂	00 59 14.0	6.8		
			LN	Ms=4.6		8.0	0.83
BTO	19.1	332	eP	00 54 04.0	1.5		
			eS	00 57 36.0	4.1		
			LN	Ms=4.8		12.0	1.20
			LE			12.0	1.50
LZH	19.5	312	eP	00 54 07.0	0.9		
CN2	19.9	8	eP	00 54 09.0	-2.0		
MDJ	21.5	16	eP	00 54 25.0	-2.2		
GTA	24.0	315	-P	00 54 52.4	0.8		

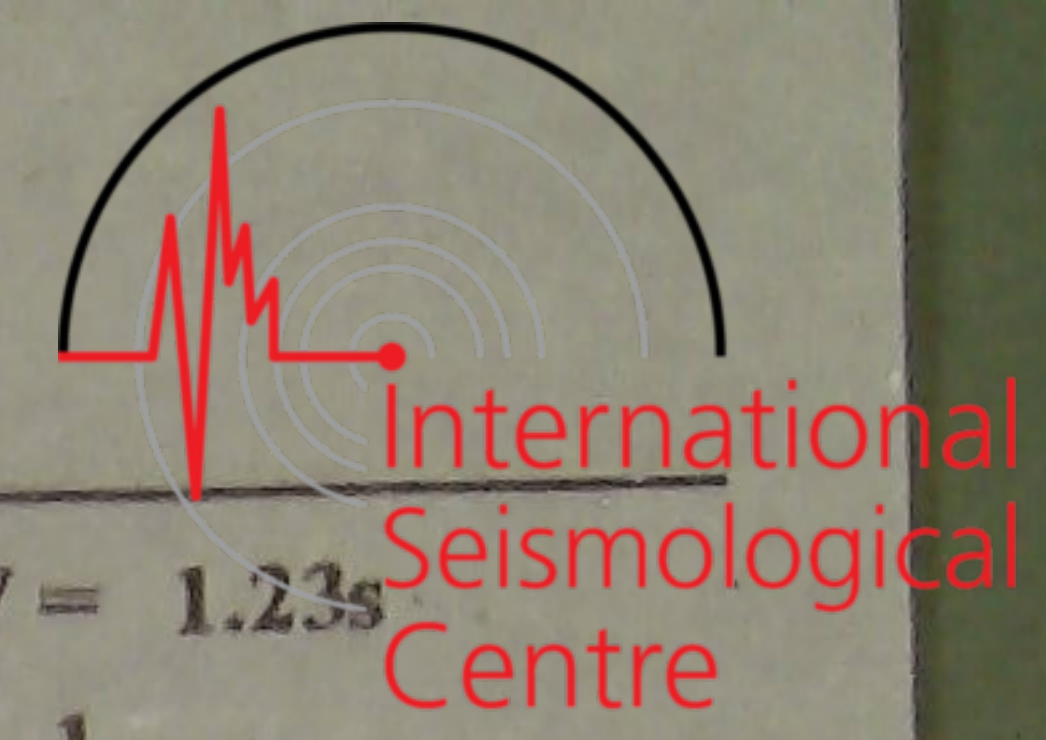
1986 11 19
O=02 15 46.2 ± 0.11s
LAT=36.41 N ± 1.27km
LONG= 70.92 E ± 0.98km
DEPTH=113 km ± 0.82km
STATIONS USED = 16, STAND DEV = 1.98s
M_L=4.4 / 2,

KSH	5.0	51	P	02 17 04.0	3.0		
			S	02 18 01.0	3.1		
			SMN	M _L =4.5		0.2	0.50
			SME			0.2	0.70
WMQ	14.8	55	P	02 19 10.2	-1.0		
GTA	23.0	74	P	02 20 43.5	1.8		

1986 11 19
O=03 26 52.5 ± 0.13s
LAT=24.05 N ± 1.78km
LONG=121.88 E ± 1.78km
DEPTH= 32 km ± 0.49km
STATIONS USED = 85, STAND DEV = 1.93s
Ms=5.0 / 35, M_L=4.9 / 4,

QZH	3.1	287	+Pn	03 27 40.2	0.2		
			Sn	03 28 15.0	-2.7		
			SMN	M _L =5.0		1.2	5.65
			SME			1.4	5.00
			LE	Ms=4.3		10.0	9.72
SSE	7.0	355	ePn	03 28 33.4	-0.5		
			LG ₁	03 30 25.8	-8.0		
			LG ₂	03 30 40.0	-4.9		
			LN	Ms=4.5		14.0	5.95
GZH	7.9	265	-Pn	03 28 46.8	1.3		
			Sn	03 30 08.5	-7.2		
			LN	Ms=4.8		11.0	4.31
			LE			13.0	6.88
NJ2	8.4	342	+P	03 28 53.2	-1.9		
			S	03 30 25.0	-4.7		
			LN	Ms=5.2		5.0	7.90
WHN	9.3	316	P	03 29 05.0	-2.6		
			S	03 30 45.0	-7.1		
			LN			3.0	7.47
QZN	12.3	248	-P	03 29 48.8	0.8		
			S	03 32 04.6	0.4		
			LN	Ms=4.7		17.0	3.30
			LE			15.0	1.70
TIA	12.8	342	eP	03 29 53.2	-1.9		
			eLG ₁	03 33 43.0	8.6		
			LN	Ms=4.8		14.0	3.84
			LE			13.0	2.10
GYA	14.0	283	P	03 30 09.4	-1.4		
			S	03 32 39.0	-6.3		
			LE	Ms=5.0		10.0	4.40
DL2	14.8	359	eP	03 30 24.0	2.4		
			ePP	03 30 34.0	0.5		
			eS	03 33 07.0	1.4		
			SS	03 33 25.0	2.5		
			LN	Ms=4.7		14.0	1.79
			LE			14.0	1.38
XAN	15.1	314	P	03 30 24.5	-0.5		
			LG ₁	03 34 40.0	-5.8		
			LG ₂	03 35 04.0	-5.7		
			LN	Ms=5.0		12.0	2.04
			LE			12.0	3.43
TIY	15.8	332	eP	03 30 37.5	2.5		
			LN	Ms=4.9		12.0	2.94

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BJI	16.7	345	eP	03 30 48.0	2.8		
			eS	03 33 54.0	5.5		
			LN	Ms=4.7	15.0	2.08	
KMI	17.4	277	eP	03 30 56.0	0.6		
			sP	03 31 06.0	-1.1		
			PP	03 31 11.0	1.4		
			S	03 34 15.0	9.0		
			LE	Ms=5.3	10.0	5.10	
CD2	17.5	297	eP	03 30 55.2	-0.3		
			LE	Ms=5.4	5.0	3.80	
SNY	17.8	4	eP	03 31 02.5	3.1		
			sP	03 31 16.0	4.6		
			S	03 34 18.0	4.3		
			SME		16.0	0.70	
			SS	03 34 41.0	4.7		
			LN	Ms=4.9	13.0	2.57	
			LE		14.0	0.90	
HHC	18.9	335	eP	03 31 14.6	1.8		
			PP	03 31 32.0	3.5		
			SS	03 34 58.0	-4.9		
			LN	Ms=4.6	8.0	0.43	
			LE		8.0	0.57	
BTO	19.3	332	eP	03 31 19.0	1.4		
			eS	03 34 48.0	-0.1		
			LN	Ms=5.1	14.0	3.90	
			LE		14.0	1.60	
LZH	19.6	312	eP	03 31 21.5	-0.3		
			PMZ		2.0	0.14	
			eS	03 34 56.0	-0.8		
			LN	Ms=5.4	7.0	2.19	
			LE		6.0	2.62	
CN2	19.9	8	+P	03 31 24.2	-0.4		
			eS	03 35 00.0	-2.2		
MDJ	21.5	15	eP	03 31 40.5	0.0		
			eS	03 35 36.0	3.9		
GTA	24.1	315	+iP	03 32 07.2	0.2		
			pP	03 32 14.5	-1.1		
			eS	03 36 23.0	2.8		
			sS	03 36 33.0	-1.2		
			LE	Ms=5.1	12.5	2.37	
WMQ	34.2	314	P	03 33 38.4	0.7		
			pP	03 33 46.5	-0.2		
			sS	03 39 18.0	1.6		
KSH	41.5	303	P	03 34 41.5	2.6		

1986 11 19
 O=04 53 31.7 ± 0.08s
 LAT=27.21 S ± 2.08km
 LONG=176.32 W ± 3.10km
 DEPTH= 37 km ± 0.97km

STATIONS USED = 64, STAND DEV = 1.23s
 Ms=5.3 / 2, m_B=5.7 / 1

QZH	81.4	304	P	05 05 46.5	-0.5		
SSE	83.2	310	eP	05 05 56.0	-0.1		
			PMZ			1.0	0.030
			sS	05 16 20.0	-9.9		
NJ2	85.3	310	+P	05 06 08.0	1.0		
			S	05 16 38.0	5.7		
MDJ	86.9	325	eP	05 06 14.5	-0.1		
			SKS	05 16 40.0	5.2		
			S	05 16 50.0	2.9		
WHN	87.6	306	P	05 06 18.0	-0.3		
DL2	87.6	316	eP	05 06 18.5	0.2		
SNY	88.3	320	P	05 06 21.7	0.2		
CN2	88.5	322	+P	05 06 22.2	-0.4		
			eS	05 17 02.0	-2.5		
			LE	Ms=5.4	20.0	1.00	
TIA	88.9	312	+P	05 06 25.0	0.6		
GYA	91.3	299	P	05 06 35.8	0.1		
BJI	91.7	315	eP	05 06 37.5	0.0		
			eSKS	05 17 12.0	7.7		
			SMN	m _B =5.7	9.0	0.64	
TIY	92.9	311	eP	05 06 43.3	0.4		
			SKS	05 17 10.0	-0.9		
			S	05 17 43.0	1.3		
			sS	05 17 55.0	-5.9		
XAN	93.4	307	P	05 06 44.5	-0.8		
			S	05 17 50.0	3.8		
KMI	93.7	296	eP	05 06 48.0	1.0		
			eS	05 17 53.0	1.7		
BTO	96.0	313	eP	05 06 58.0	0.9		
GTA	102.3	308	P	05 07 26.2	0.2		

1986 11 19
 O=06 21 36.5 ± 0.09s
 LAT=27.20 S ± 2.38km
 LONG=176.12 W ± 1.96km
 DEPTH= 39 km ± 0.57km

STATIONS USED = 34, STAND DEV = 1.06s
 Ms=5.1 / 1,

NJ2	85.5	309	-P	06 34 12.4	0.2		
			eS	06 44 37.0	-2.4		
MDJ	87.0	324	eP	06 34 19.0	-0.6		
DL2	87.8	316	eP	06 34 22.0	-1.4		
WHN	87.8	306	eP	06 34 23.0	-0.5		
SNY	88.4	319	eP	06 34 24.8	-1.7		
CN2	88.6	322	-P	06 34 27.0	-0.6		
TIA	89.0	312	eP	06 34 29.9	0.3		
GYA	91.4	299	P	06 34 41.4	0.5		
BJI	91.8	315	eP	06 34 42.0	-0.6		

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TIY	93.0	311	eP	06 34 47.7	-0.4			
			SKS	06 45 14.5	-1.2			
			S	06 45 42.5	-4.4			
			sS	06 46 03.0	-4.3			
			LN	Ms=5.1	11.0	0.25		
KMI	93.9	296	+P	06 34 52.5	0.3			
CD2	95.8	302	eP	06 35 01.7	0.9			

1986 11 19
 O=08 28 33.8 ± 0.22s
 LAT= 0.26 N ± 3.20km
 LONG=169.98 E ± 3.90km
 DEPTH= 33 km ± 0.64km
 STATIONS USED = 43, STAND DEV = 3.25s
 Ms=4.8/ 1,

MDJ	56.8	326	eP	08 38 23.5	5.5			
NJ2	57.6	308	eP	08 38 26.5	2.9			
SNY	58.8	321	eP	08 38 28.6	-3.0			
BJI	62.9	316	eP	08 38 56.5	-2.9			
TIY	64.6	312	eP	08 39 09.2	-1.9			
			LN	Ms=4.8	9.0	0.17		
XAN	66.1	307	eP	08 39 18.4	-2.4			
CD2	69.6	303	(P)	08 39 45.8	3.5			
LZH	70.7	308	eP	08 39 47.5	-1.8			
GTA	74.6	311	+iP	08 40 11.4	-0.8			
WMQ	84.2	314	eP	08 41 11.0	6.6			

1986 11 19
 O=09 22 10.7 ± 0.08s
 LAT=23.98 S ± 1.63km
 LONG=179.78 W ± 1.57km
 DEPTH=519 km ± 0.81km
 STATIONS USED = 74, STAND DEV = 0.89s

				m _B =5.5/ 11				
QZH	77.0	305	+iP	09 33 11.0	-0.5			
			S	09 42 16.0	-0.7			
			SMN	m _B =5.0	7.0	0.23		
SSE	78.7	311	-P	09 33 20.0	-0.7			
			PP	09 36 23.0	-5.8			
			eS	09 42 30.0	-6.0			
GZH	80.0	301	-iP	09 33 29.0	1.3			
QZN	80.8	295	eP	09 33 28.0	-3.8			
NJ2	80.9	311	-iP	09 33 33.0	1.0			
			PMZ	m _B =5.5	5.0	1.10		
			PP	09 36 44.0	-2.9			
			S	09 42 57.0	0.4			
MDJ	82.4	326	-P	09 33 40.0	-0.1			
			sP	09 36 30.0	5.9			
			S	09 43 08.0	-4.3			
			sS	09 46 35.0	3.7			

DL2	83.2	318	-P	09 33 43.0	-0.7			
WHN	83.2	308	-P	09 33 44.0	0.1			
			PMZ	m _B =5.6	4.0	1.00		
			pP	09 35 40.0	3.4			
			SKS	09 43 12.0	-1.3			
			iS	09 43 23.0	1.6			
			SME	m _B =5.9	5.0	1.02		
SNY	83.8	321	-iP	09 33 46.4	-0.6			
			SKS	09 43 16.0	-1.5			
			S	09 43 29.0	3.1			
			sS	09 46 50.0	4.1			
CN2	84.1	324	-P	09 33 47.6	-0.6			
			PMZ	m _B =5.7	4.0	1.00		
			cpP	09 35 44.0	2.9			
			SKS	09 43 16.0	-3.1			
			S	09 43 25.0	-3.1			
			SMN	m _B =5.5	9.0	0.70		
			sS	09 46 53.0	4.7			
TIA	84.4	314	-P	09 33 50.1	0.1			
GYA	87.0	301	-P	09 34 02.6	0.4			
			sP	09 36 54.8	7.7			
BJI	87.2	316	eP	09 34 03.0	-0.3			
			eSKS	09 43 38.0	-1.6			
			eS	09 44 02.0	2.6			
			SMN	m _B =5.6	6.0	0.54		
TIY	88.4	313	-iP	09 34 09.0	0.1			
			PMZ		1.0	0.12		
			SKS	09 43 46.0	-0.7			
			S	09 44 15.5	7.2			
XAN	88.9	308	-P	09 34 11.9	0.4			
			SKS	09 43 49.5	-0.5			
			S	09 44 17.0	3.7			
KMI	89.5	298	-P	09 34 15.0	0.9			
			PMZ		2.0	0.70		
			sP	09 37 07.0	7.6			
			SKS	09 43 54.0	0.8			
			S	09 44 25.0	7.0			
CD2	91.3	303	-P	09 34 23.2	0.9			
			PMZ		1.4	0.20		
			SKS	09 44 03.0	-0.6			
			S	09 44 30.0	-3.9			
BTO	91.5	314	-iP	09 34 23.5	0.2			
LZH	93.6	308	-P	09 34 33.5	0.5			
			PMZ		1.5	0.070		
GTA	97.9	310	-P	09 34 52.0	-0.5			
			SKS	09 44 35.0	-4.4			
			SMN	m _B =5.1	6.5	0.32		

1986 11 19
 O=11 52 36.5 ± 0.26s

LAT=19.57 S \pm 3.19km
 LONG=167.79 E \pm 4.05km
 DEPTH= 31 km \pm 0.72km
 STATIONS USED = 47, STAND DEV = 2.57s

WHN	71.6	313	eP	12 04 04.0	6.7
DL2	72.5	324	eP	12 04 08.0	5.4
CN2	74.0	330	+P	12 04 10.8	-1.1
GYA	74.9	306	P	12 04 15.6	-1.4
BJI	76.3	322	eP	12 04 23.5	-1.6
TIY	77.2	318	eP	12 04 29.0	-0.9
		(S)		12 14 21.0	4.7
KMI	77.3	303	+P	12 04 31.0	0.2
XAN	77.3	313	eP	12 04 30.0	-0.8
CD2	79.4	308	eP	12 04 41.2	-0.7
LZH	81.9	313	eP	12 04 55.0	-0.7
GTA	86.4	314	-P	12 05 17.0	-1.0
WMQ	96.5	314	eP	12 06 03.2	-1.7

1986 11 19

O=12 03 11.1 \pm 0.44s
 LAT=23.65 N \pm 2.97km
 LONG=122.32 E \pm 2.62km
 DEPTH= 37 km \pm 0.17km
 STATIONS USED = 10, STAND DEV = 1.19s

 $M_L=3.5/6,$

QZH	3.6	291	eP	12 04 06.0	-0.5
			S	12 04 40.8	-7.6
			SMN	$M_L=3.0$	0.5 0.050
			SME		0.5 0.030

1986 11 19

O=12 49 56.2 \pm 0.39s
 LAT=48.03 N \pm 3.88km
 LONG= 80.31 E \pm 2.89km
 DEPTH= 6 km \pm 1.36km
 STATIONS USED = 8, STAND DEV = 4.69s

 $M_L=4.4/5,$

WMQ	6.7	127	Pn	12 51 36.0	1.2
			Sn	12 52 48.2	-5.0
			Sg	12 53 22.6	-1.9
			SMN	$M_L=4.4$	1.0 0.20
KSH	9.1	202	P	12 52 19.0	7.4
			LG ₁	12 54 46.0	3.3
GTA	16.5	114	P	12 53 52.0	1.9

1986 11 19

O=14 09 45.9 \pm 0.13s
 LAT=27.13 S \pm 2.59km
 LONG=176.43 W \pm 4.74km
 DEPTH= 35 km \pm 1.32km

STATIONS USED = 62, STAND DEV = 1.93s
 $M_s=5.3/5,$ $m_B=5.8/2$

QZH	81.3	304	P	14 21 54.0	-6.8
			sS	14 32 25.0	0.5
			SMN		13.0 0.71
			LE	$M_s=5.2$	20.0 0.62
SSE	83.0	310	P	14 22 09.0	-1.0
			sS	14 32 40.0	-2.7
			LN	$M_s=5.3$	18.0 0.59
			LE		18.0 0.57
GZH	84.2	299	P	14 22 16.0	0.0
NJ2	85.2	310	+P	14 22 21.5	0.6
			S	14 32 43.0	-2.8
MDJ	86.7	325	eP	14 22 29.0	0.5
			sP	14 22 43.0	0.5
			S	14 33 00.0	-0.7
WHN	87.5	306	P	14 22 32.5	0.3
			sP	14 22 48.0	1.7
			eS	14 33 10.0	0.4
			LN	$M_s=5.6$	20.0 1.61
DL2	87.5	316	eP	14 22 32.0	-0.2
SNY	88.2	320	+P	14 22 34.0	-1.4
			S	14 33 10.0	-4.2
			SMN		14.0 1.12
CN2	88.4	322	+P	14 22 36.0	-0.5
			pP	14 22 47.0	0.4
			esS	14 33 25.0	-9.8
TIA	88.8	312	iP	14 22 39.3	1.0
			SMN	$m_B=5.7$	11.0 0.85
GYA	91.2	299	P	14 22 49.8	0.2
			pP	14 23 00.0	0.5
			sP	14 23 04.0	0.4
			S	14 33 33.0	-8.2
			sS	14 33 51.0	-8.9
BJI	91.6	315	eP	14 22 51.0	-0.4
			eSKS	14 33 22.0	3.8
			SMN	$m_B=5.9$	9.0 0.81
			SME		6.0 0.43
TIY	92.7	311	-iP	14 22 57.6	0.8
			SKS	14 33 25.5	0.7
			S	14 33 56.5	1.3
			sS	14 34 12.5	-1.4
XAN	93.3	307	P	14 22 59.0	-0.2
			SKS	14 33 36.0	8.3
			S	14 34 04.0	4.2
KMI	93.6	296	-P	14 23 02.5	1.6
			pP	14 23 12.0	1.3
CD2	95.5	302	eP	14 23 10.8	1.3
			eS	14 34 23.0	2.0
GTA	102.2	308	P	14 23 40.8	0.9

1986 11 19
 O=17 11 54.8 ± 0.21s
 LAT=18.94 S ± 1.98km
 LONG=168.09 E ± 1.25km
 DEPTH= 46 km ± 1.49km
 STATIONS USED = 71, STAND DEV = 1.43s
 Ms=5.2 / 4, m_B=5.7 / 3

QZH	65.0	310	-iP	17 22 32.0	-0.9		
			S	17 31 14.0	5.3		
GZH	67.8	306	eP	17 22 52.0	1.1		
NJ2	69.2	317	+P	17 23 00.0	0.3		
WHN	71.3	313	-P	17 23 12.0	-0.5		
DL2	72.1	324	P	17 23 17.0	-0.1		
MDJ	72.4	332	-iP	17 23 18.0	-0.4		
			eS	17 32 40.0	2.6		
TIA	73.0	319	-P	17 23 21.8	-0.6		
SNY	73.1	327	-P	17 23 22.0	-1.1		
			LN	Ms=5.2	20.0	0.73	
			LE		20.0	0.48	
CN2	73.6	329	-iP	17 23 25.0	-1.1		
			PMZ	m _B =5.9	4.0	0.70	
			(S)	17 32 50.0	-2.0		
GYA	74.8	305	P	17 23 32.8	0.1		
BJI	76.0	321	eP	17 23 40.0	0.2		
			eS	17 33 25.0	6.5		
			SMN	m _B =5.7	10.0	0.56	
TIY	76.9	318	-iP	17 23 45.0	0.2		
			PMZ		1.1	0.070	
			LN	Ms=5.6	20.0	1.98	
XAN	77.1	313	-iP	17 23 46.0	0.0		
			pP	17 23 58.0	0.0		
KMI	77.2	302	-P	17 23 47.5	0.8		
CD2	79.2	308	-P	17 23 57.8	0.3		
			eS	17 33 59.0	6.2		
BTO	80.1	319	-iP	17 24 03.0	0.6		
LZH	81.7	313	-P	17 24 12.5	1.4		
			PMZ		2.0	0.40	
GTA	86.1	314	-iP	17 24 33.8	0.6		
			PMZ		3.0	0.50	
			SKS	17 34 56.0	5.1		
			SME	m _B =5.6	6.0	0.34	

1986 11 19
 O=19 28 21.9 ± 0.21s
 LAT=24.11 N ± 1.97km
 LONG=121.76 E ± 2.57km
 DEPTH= 31 km ± 0.50km
 STATIONS USED = 32, STAND DEV = 2.74s
 Ms=4.0 / 1, M_L=4.0 / 8,

QZH	3.0	287	+Pn	19 29 08.0	0.2		
			Sn	19 29 40.7	-3.5		
			SMN	M _L =3.7	0.3	0.18	
			SME		0.8	0.47	
SSE	7.0	356	ePn	19 30 05.8	3.4		
			eLG ₂	19 32 14.6	2.6		
			LN		1.0	0.020	
			LE		1.0	0.040	
GZH	7.8	264	ePn	19 30 15.0	1.5		
			eSn	19 31 34.0	-8.7		
			LN		1.0	0.12	
			LE		1.0	0.070	
NJ2	8.3	343	+P	19 30 21.2	-2.1		
			S	19 31 52.5	-4.4		
			LN		1.0	0.10	
WHN	9.2	316	eP	19 30 31.5	-3.9		
			eS	19 32 10.5	-8.3		
			LN	Ms=4.0	5.0	0.40	
QZN	12.2	248	eP	19 31 21.7	5.3		
			eS	19 33 33.2	0.9		
GYA	13.9	283	eP	19 31 47.0	8.3		
			S	19 34 19.2	7.2		
XAN	14.9	314	P	19 31 51.0	-1.9		
GTA	24.0	315	P	19 33 36.2	0.9		

1986 11 19
 O=23 36 05.3 ± 0.04s
 LAT=35.06 N ± 0.81km
 LONG= 23.92 E ± 0.87km
 DEPTH= 41 km ± 0.45km
 STATIONS USED = 33, STAND DEV = 0.85s

KSH	41.2	68	P	23 43 50.0	1.7		
WMQ	48.9	59	P	23 44 50.4	0.4		
GTA	58.9	61	-iP	23 46 02.6	-0.8		
CD2	65.4	69	eP	23 46 46.8	0.3		
XAN	67.8	63	eP	23 47 01.6	-0.2		
GYA	69.7	71	P	23 47 14.2	0.3		
BJI	70.0	55	eP	23 47 14.5	-1.0		
SNY	73.9	50	+iP	23 47 38.1	-0.6		
CN2	74.0	48	-P	23 47 38.4	-0.8		

1986 11 20
 O=01 28 08.1 ± 0.17s
 LAT=24.16 N ± 2.56km
 LONG=121.75 E ± 2.49km
 DEPTH= 29 km ± 1.11km
 STATIONS USED = 68, STAND DEV = 2.42s
 Ms=4.9 / 28, M_L=4.7 / 8,

QZH	3.0	286	-Pn	01 28 54.2	0.3		
			Sn	01 29 32.5	2.3		

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			SMN	$M_L=4.7$	1.2	3.33			SS	01 36 16.0	0.8			
			SME		1.2	2.09			LN	$M_s=4.8$	9.0	1.31		
			LG ₁	01 29 44.0	2.3				LE		9.5	0.53		
			LN		10.0	7.88	BTO	19.1	332	eP	01 32 36.0	4.2		
			LE		10.0	7.87			ePP	01 32 53.0	4.9			
SSE	6.9	356	ePn	01 29 49.0	0.9				S	01 36 03.5	3.7			
			LG ₂	01 32 00.0	3.4				LN	$M_s=4.8$	13.0	0.90		
			LN	$M_s=4.6$	9.0	4.07			LE		13.0	1.80		
			LE		9.0	2.13	LZH	19.5	312	eP	01 32 36.0	0.0		
GZH	7.8	264	Pn	01 30 02.8	2.9				PMZ		1.5	0.050		
			Sn	01 31 24.5	-4.7				CN2	19.8	8	eP	01 32 39.6	0.1
			LN	$M_s=4.9$	10.0	8.25	MDJ	21.4	15	eP	01 32 56.0	0.3		
			LE		10.0	2.00			eS	01 36 50.0	3.2			
NJ2	8.3	343	+P	01 30 07.2	-1.8		GTA	24.0	315	-P	01 33 22.6	1.2		
			S	01 31 38.0	-4.2				eS	01 37 37.6	4.0			
			LN	$M_s=4.9$	10.0	7.60			LE	$M_s=4.9$	11.0	1.41		
WHN	9.1	316	eP	01 30 17.0	-4.2		WMQ	34.0	314	eP	01 34 50.7	-1.6		
			eS	01 31 58.5	-5.7									
			LG ₁	01 32 55.0	-0.4									
			LN	$M_s=5.1$	8.0	8.30								
QZN	12.2	248	eP	01 31 01.6	-1.3									
			eS	01 33 17.6	-1.4									
			LN	$M_s=4.6$	14.0	2.30								
			LE		13.5	1.30								
TIA	12.7	343	eP	01 31 13.6	4.4									
			LN	$M_s=4.9$	11.0	3.50	WMQ	3.0	52	P	02 41 13.5	2.5		
			LE		10.0	1.96	KSH	7.0	251	eP	02 42 07.0	-0.3		
GYA	13.8	283	P	01 31 24.2	-0.7									
			S	01 33 55.6	-2.4		GTA	11.9	98	P	02 43 14.0	-1.4		
			LE	$M_s=5.0$	8.0	3.10								
XAN	14.9	314	P	01 31 39.4	0.5									
			LG ₁	01 35 55.0	-1.4									
			LN	$M_s=5.0$	8.0	2.06	XAN	20.8	105	eP	02 45 03.6	-1.2		
			LE		10.0	2.88								
TIY	15.7	332	eP	01 31 49.0	0.1									
			LG ₂	01 36 37.0	-8.6									
			LN	$M_s=5.1$	8.5	3.06								
			LE		10.0	1.23								
BJI	16.5	345	(P)	01 32 03.0	3.6									
CD2	17.3	297	eP	01 32 10.1	0.6									
			LN	$M_s=5.1$	10.0	3.30								
KMI	17.3	277	eP	01 32 13.0	3.3									
			eS	01 35 23.0	2.9									
			LN	$M_s=5.2$	12.0	5.60								
SNY	17.7	4	+P	01 32 16.6	2.5									
			sS	01 35 42.0	2.6									
			LN	$M_s=4.9$	11.0	2.27	WMQ	31.8	54	eP	10 15 34.0	0.2		
			LE		9.0	0.46	LZH	43.8	68	eP	10 17 15.0	-0.2		
HHC	18.7	335	e(P)	01 32 27.0	0.1		XAN	48.3	70	eP	10 17 49.6	-0.8		
			S	01 35 48.0	-2.5		GYA	48.3	80	eP	10 17 50.4	-0.2		
							BJI	52.8	60	eP	10 18 25.0	-0.1		
							TIA	54.4	65	eP	10 18 36.6	0.2		

1986 11 20

O = 02 40 25.1 ± 0.08s
 LAT = 42.04 N ± 1.28km
 LONG = 84.49 E ± 0.92km
 DEPTH = 49 km ± 0.17km
 STATIONS USED = 23, STAND DEV = 1.86s

$M_L=4.4/4,$

1986 11 20

O = 10 09 07.9 ± 0.13s
 LAT = 29.95 N ± 1.59km
 LONG = 51.57 E ± 0.89km
 DEPTH = 19 km ± 0.54km
 STATIONS USED = 32, STAND DEV = 1.08s

$M_s=4.8/2,$

			LE		12.5	1.20	GYA	13.4	114	+iP	13 07 22.8	-1.7		
GZH	20.3	113	-P	12 36 23.0	-0.1					S	13 09 49.0	-3.3		
			sS	12 40 16.0	-0.8					LE	Ms=4.9		10.0	3.70
			LN	Ms=5.2	8.0	1.31	KSH	15.4	301	eP	13 07 52.0	0.9		
			LE		10.0	2.50				LG ₁	13 12 12.0	-5.6		
NJ2	21.9	84	eP	12 36 39.0	0.0					LE	Ms=5.2		9.0	5.30
			eS	12 40 33.0	-0.9		BTO	15.8	55	eP	13 07 53.0	-3.0		
			LE	Ms=5.1	8.0	1.70				ePP	13 08 05.0	-3.4		
SSE	24.0	86	eP	12 37 00.6	0.8					eS	13 10 43.0	-6.9		
			sS	12 41 20.0	-6.4					LN	Ms=5.0		11.0	2.90
			LE	Ms=5.2	8.0	2.10				LE			12.0	2.20
SNY	26.0	60	-iP	12 37 18.0	-0.7		TIY	16.6	67	eP	13 08 05.1	-2.0		
			eS	12 41 46.0	1.2					sS	13 11 23.0	1.3		
			LN	Ms=5.1	18.0	2.85				LN	Ms=5.3		7.0	3.16
			LE		14.0	0.47				LE			7.0	2.30
CN2	27.7	57	-P	12 37 33.0	-1.8		HHC	16.9	56	-P	13 08 12.0	1.1		
			eS	12 42 11.0	-2.5					PP	13 08 20.0	-4.8		
										S	13 11 12.0	-4.3		
										LN	Ms=5.2		12.0	2.56
										LE			10.0	3.60
							WHN	18.3	91	eP	13 08 25.5	-1.9		
										S	13 11 40.0	-6.5		
										LN	Ms=5.3		7.0	3.90
							BJI	20.0	62	eP	13 08 47.5	0.0		
										LN	Ms=5.0		14.0	2.60
										LE			14.0	0.90
							TIA	20.2	73	eP	13 08 49.1	-0.1		
										pP	13 08 56.1	-1.5		
										sS	13 12 43.0	1.6		
										LN	Ms=5.0		12.0	2.77
							QZN	20.3	128	eP	13 08 51.0	0.9		
										eS	13 12 29.0	-2.1		
										LN	Ms=4.8		12.0	1.30
										LE			12.0	1.20
							GZH	20.3	113	+P	13 08 50.5	0.2		
							NJ2	21.8	85	+P	13 09 06.6	0.8		
										eS	13 13 00.0	-0.2		
										LE	Ms=5.2		8.0	2.60
							SSE	23.9	86	eP	13 09 28.0	1.3		
										PMZ			1.0	0.080
										sS	13 13 44.0	-8.8		
										SS	13 14 38.0	9.5		
										LE	Ms=5.2		9.0	2.13
							DL2	24.0	67	eP	13 09 28.0	0.9		
										eS	13 13 40.0	1.2		
										LN	Ms=4.9		11.0	1.20
										LE			13.0	1.02
							SNY	25.9	60	-iP	13 09 45.4	0.1		
										eS	13 14 13.0	2.1		
										LN	Ms=5.0		11.0	1.49

1986 11 20

O=13 04 14.5 ± 0.11s

LAT=32.63 N ± 1.39km

LONG=93.05 E ± 1.33km

DEPTH=33 km ± 0.09km

STATIONS USED = 82, STAND DEV = 1.87s

Ms=5.0/35, M_L=4.9/1, m_B=5.8/2

GTA	8.7	37	-P	13 06 21.5	0.2									
			LG ₁	13 08 47.0	-0.9									
			LE	Ms=4.5	14.0	3.99								
CD2	9.3	98	eP	13 06 30.6	1.4									
			S	13 08 16.0	2.7									
			LE	Ms=5.3	8.0	12.4								
LZH	9.6	66	eP	13 06 32.5	-0.8									
			PMZ		2.0	0.090								
			LG ₁	13 09 08.0	-7.1									
			LG ₂	13 09 36.0	5.8									
			LN	Ms=4.9	10.0	5.60								
KMI	11.3	129	+P	13 06 56.0	-1.4									
			S	13 09 00.0	-3.1									
			LG ₂	13 10 24.0	-3.9									
			LN	Ms=5.0	9.0	3.80								
			LE		9.0	3.10								
WMQ	11.9	341	P	13 07 03.5	-2.0									
			pP	13 07 08.7	-3.7									
			S	13 09 11.2	-6.9									
			LN	Ms=5.3	9.5	9.15								
XAN	13.4	80	P	13 07 23.0	-1.5									
			pP	13 07 27.0	-4.5									
			LG ₁	13 11 16.0	2.1									
			LN	Ms=4.9	10.0	1.08								
			LE		8.0	2.65								

				12.0	0.84	1986 11 20				
CN2	27.6	57	-P	13 10 01.2	-0.3	O = 15 00 28.4		± 0.14s		
			PP	13 10 50.0	0.4	LAT = 48.12 N		± 3.90km		
			eS	13 14 39.0	-0.5	LONG = 27.69 W		± 2.61km		
			LN	Ms = 5.2	18.0	DEPTH = 9 km		± 0.41km		
MDJ	30.7	56	eP	13 10 28.0	-1.0	STATIONS USED = 25, STAND DEV = 1.26s				
			eS	13 15 26.0	-2.6	Ms = 5.2 / 1,				
			LE	Ms = 5.2	15.0	GTA	81.2	38	+P	15 12 46.0 -1.1
1986 11 20						BTO	84.1	31	eP	15 13 01.6 -0.2
O = 13 14 23.6					± 0.08s	CN2	85.5	19	eP	15 13 10.0 1.2
LAT = 16.24 S					± 0.83km	LZH	85.7	37	eP	15 13 09.5 -0.5
LONG = 167.76 E					± 1.58km	BJI	86.6	27	eP	15 13 13.5 -0.6
DEPTH = 62 km					± 0.43km	TIY	87.5	31	eP	15 13 19.0 0.4
STATIONS USED = 71, STAND DEV = 0.87s									LN	Ms = 5.2 11.0 0.31
Ms = 5.1 / 3, m _B = 5.5 / 1									LE	12.0 0.18
QZN	66.9	299	eP	13 25 14.4	2.5	XAN	89.5	35	P	15 13 26.6 -1.6
			PP	13 27 48.0	7.8	1986 11 20				
			sS	13 34 27.0	1.9	O = 20 08 00.7		± 0.07s		
NJ2	67.1	316	-P	13 25 13.0	-0.2	LAT = 29.89 N		± 1.55km		
WHN	69.3	312	P	13 25 28.0	1.0	LONG = 51.54 E		± 0.95km		
DL2	69.8	323	-P	13 25 29.8	-0.1	DEPTH = 31 km		± 0.07km		
MDJ	69.8	332	+iP	13 25 29.8	-0.4	STATIONS USED = 65, STAND DEV = 1.61s				
SNY	70.7	327	-P	13 25 35.0	-0.6	Ms = 4.6 / 4,				
TIA	70.8	319	eP	13 25 34.9	-1.1	KSH	22.2	58	P	20 12 57.0 0.8
CN2	71.2	329	+P	13 25 37.8	-0.6				sS	20 17 07.0 -0.6
			PMZ						LN	Ms = 5.3 9.0 3.30
			eS	13 34 49.0	0.0	WMQ	31.8	54	P	20 14 25.1 -0.2
			LN	Ms = 5.1	20.0	GTA	40.4	63	+iP	20 15 39.2 0.9
GYA	73.0	305	P	13 25 49.0	-0.1				LE	Ms = 4.7 12.5 0.45
BJI	73.7	321	eP	13 25 52.5	-1.0	LZH	43.9	68	eP	20 16 06.5 -0.1
			eS	13 35 24.0	5.8				PMZ	1.5 0.050
			SMN	m _B = 5.5	6.0	KMI	45.4	83	+P	20 16 18.0 -0.6
TIY	74.7	317	+P	13 25 59.5	0.4	BTO	48.2	61	eP	20 16 41.1 0.6
			LN	Ms = 5.0	11.0	XAN	48.3	69	+P	20 16 41.3 -0.4
			LE		13.0	GYA	48.3	80	P	20 16 41.2 -0.6
XAN	75.0	313	+P	13 26 14.1	13.8	TIY	50.4	64	-iP	20 16 58.2 0.2
KMI	75.5	302	+P	13 26 05.0	1.0				(S)	20 24 12.0 3.5
HHC	77.0	320	+P	13 26 12.8	0.2				LE	Ms = 4.5 11.0 0.16
CD2	77.3	308	eP	13 26 14.1	0.2	BJI	52.9	60	eP	20 17 16.0 -0.4
BTO	77.9	319	P	13 26 17.0	-0.1	WHN	53.6	72	eP	20 17 21.0 -0.8
			ePP	13 29 11.0	-3.0	QZN	53.7	88	eP	20 17 21.8 -0.4
			eS	13 36 04.0	0.1	TIA	54.4	65	eP	20 17 27.8 0.1
			eSKS	13 36 27.0	8.4	NJ2	56.9	69	+P	20 17 45.0 -0.5
LZH	79.7	312	+P	13 26 27.5	0.4	DL2	57.3	61	P	20 17 48.0 -0.1
			PMZ			SNY	58.0	57	-iP	20 17 52.2 -1.3
GTA	84.0	314	+iP	13 26 50.0	0.2	CN2	58.9	54	+P	20 17 58.6 -1.2
WMQ	94.1	314	P	13 27 37.3	-0.2	1986 11 20				
KSH	101.5	308	eP	13 27 52.5	-17.3	O = 21 40 49.0		± 0.10s		

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LAT=35.21 N		± 1.19km			
LONG=111.11 E		± 1.10km			
DEPTH= 10 km		± 0.08km			
STATIONS USED = 43, STAND DEV = 2.93s					
Ms=4.1/ 10, ML=4.3/ 16,					
XAN	2.1	238	+Pn	21 41 26.6	1.2
			Pg	21 41 28.0	1.0
			Sg	21 41 57.0	0.6
			SMN	ML=3.7	0.8 0.66
			SME		0.8 0.49
TIY	2.7	23	ePn	21 41 32.7	-0.5
			Pg	21 41 39.9	2.9
			Sg	21 42 15.0	0.9
			SMN	ML=4.0	0.7 0.75
			SME		0.8 0.82
TIA	5.0	77	Pn	21 42 07.0	2.5
			Pg	21 42 20.8	3.5
			Sg	21 43 24.8	-0.8
			SMN	ML=4.0	1.4 0.20
			SME		1.2 0.20
WHN	5.4	149	Pn	21 42 12.5	2.5
			Pg	21 42 32.5	8.2
			Sn	21 43 12.5	-1.9
			Sg	21 43 39.5	1.4
			SMN	ML=4.5	1.0 0.56
			SME		1.0 0.49
			LE	Ms=4.2	7.0 2.00
BTO	5.4	351	Pn	21 42 13.4	2.6
			Sn	21 43 14.0	-1.6
			LG ₁	21 43 39.0	-1.1
			LG ₂	21 43 50.0	1.3
			LN	Ms=3.9	10.0 0.60
			LE		10.0 1.50
HHC	5.6	4	ePn	21 42	3.5
			Pg	21 42 32.2	3.6
			Sg	21 43 39.4	-6.3
			SMN	ML=4.3	0.8 0.15
			SME		0.8 0.41
LZH	6.0	280	ePn	21 42 21.0	2.8
			LG ₁	21 43 53.5	-3.3
			LG ₂	21 44 02.5	-3.8
			LN	Ms=4.2	9.0 2.16
BJI	6.3	38	Pn	21 42 24.0	1.9
			Pg	21 42 43.0	3.
			Sg	21 44 03.0	-2
			SMN	ML=3.8	0.070
			SME		0.5 0.050
NJ2	7.2	114	ePn	21 42 37.0	2.4
			Sn	21 43 57.0	-1.8
			LE	Ms=3.7	10.0 0.60

CD2	7.5	237	ePn	21 42 40.7	1.6
			Sn	21 44 04.6	-2.2
			LG ₂	21 44 58.0	1.1
			SMN	ML=4.8	1.2 0.54
			SME		0.8 0.14
SSE	9.4	113	(P)	21 43 06.0	-1.7
			LG ₁	21 45 45.2	1.1
			LN	Ms=4.1	10.0 0.89
GYA	9.5	205	-P	21 43 10.8	1.1
			S	21 45 03.0	5.5
			LE	Ms=4.3	10.0 1.40
GTA	9.9	298	-P	21 43 11.8	-3.4
			LG ₁	21 45 58.0	-2.7
			LE	Ms=3.9	7.0 0.40
KMI	12.4	218	eP	21 43 47.5	-1.4
QZN	16.2	184	eP	21 44 38.0	-0.2
			eS	21 47 37.0	-0.6
WMQ	20.0	303	P	21 45 25.3	0.6

1986 11 20

O=21 42 48.3 ± 0.17s
 LAT=35.23 N ± 1.92km
 LONG=110.99 E ± 1.51km
 DEPTH= 8 km ± 1.87km
 STATIONS USED = 6, STAND DEV = 4.22s
 ML=3.6/ 2,

TIA	5.1	77	ePg	21 44 18.4	0.1
			Sg	21 45 22.4	-5.3
			SMN	ML=3.6	0.8 0.080
			SME		0.7 0.060

1986 11 20

O=22 39 30.8 ± 0.11s
 LAT=35.20 N ± 1.29km
 LONG=110.91 E ± 1.19km
 DEPTH= 10 km ± 0.13km
 STATIONS USED = 29, STAND DEV = 2.89s
 Ms=3.5/ 1, ML=3.7/ 14,

XAN	2.0	235	Pn	22 40 06.4	1.2
			Pg	22 40 10.4	4.2
			Sg	22 40 38.4	4.7
			SMN	ML=3.3	0.6 0.29
			SME		0.6 0.20
TIY	2.8	26	ePn	22 40 16.0	-0.1
			Pg	22 40 22.7	2.5
			Sg	22 40 54.9	-3.5
			SMN	ML=3.7	0.7 0.34
			SME		0.7 0.29
TIA	5.2	77	P*	22 40 56.6	-0.5
			S*	22 42 04.4	3.0

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KSH	14.0	31	eP	09 08 07.0	14.9
WMQ	23.3	41	P	09 09 42.6	2.1
GTA	29.8	59	+P	09 10 40.8	0.0
XAN	36.6	70	eP	09 11 39.0	-0.7
BTO	37.7	59	eP	09 11 44.6	-4.6
WHN	41.5	74	eP	09 12 20.5	0.1

1986 11 21

O=10 30 26.0 ± 0.20s
 LAT=34.59 N ± 1.40km
 LONG=139.69 E ± 2.11km
 DEPTH= 6 km ± 0.46km
 STATIONS USED = 15, STAND DEV= 2.01s

Ms=4.6/ 4,

MDJ	12.7	325	eP	10 33 32.0	2.2
BJI	19.5	293	(P)	10 35 00.0	3.8
WHN	21.7	266	eP	10 35 21.5	1.4
			sS	10 39 26.0	2.5
			LN	Ms=4.3	24.0 1.00
GYA	29.5	263	P	10 36 34.0	0.5
CD2	30.3	273	eP	10 36 40.0	-1.1
			LN	Ms=5.0	20.0 1.99
GTA	32.0	290	eP	10 36 55.0	-1.0
			LN	Ms=4.4	10.0 0.26

1986 11 21

O=12 13 18.7 ± 0.16s
 LAT=37.94 N ± 1.77km
 LONG=106.32 E ± 1.55km
 DEPTH= 33 km ± 0.18km
 STATIONS USED = 25, STAND DEV= 3.72s

Ms=3.4/ 1, M_L=3.9/ 14,

LZH	2.7	228	ePn	12 14 03.0	2.3
			ePg	12 14 05.0	-1.9
			Sg	12 14 41.0	-3.1
			SMN	M _L =4.0	0.5 0.64
			SME		1.5 0.73
BTO	3.9	46	Pn	12 14 17.6	0.5
			Pg	12 14 27.6	-0.4
			Sn	12 15 04.4	1.1
			Sg	12 15 17.6	-4.0
			SMN	M _L =3.8	0.4 0.18
			SME		0.4 0.28
XAN	4.4	151	Pn	12 14 25.8	1.7
			Pg	12 14 39.0	2.0
			Sg	12 15 30.6	-7.1
			SMN	M _L =3.8	1.2 0.24
			SME		1.2 0.10
TIY	4.8	91	-Pn	12 14 30.4	0.5
			iPg	12 14 45.4	1.0

			Sg	12 15 43.0	-7.8		
			SMN			2.0	0.90
			SME			1.0	0.52
HHC	5.0	53	Pn	12 14 34.4	2.4		
			Pg	12 14 46.0	-1.1		
			Sn	12 15 31.6	1.5		
			Sg	12 15 48.4	-7.1		
			SMN	M _L =4.3		0.6	0.27
			SME			0.6	0.52
GTA	5.3	288	-iPn	12 14 36.8	0.6		
			Pg	12 14 56.0	3.6		
			Sn	12 15 35.1	-2.6		
			Sg	12 16 04.0	-1.0		
			SMN	M _L =3.9		1.0	0.18
			SME			0.9	0.080
			LE	M _s =3.4		9.0	0.44
CD2	7.3	198	ePg	12 15 35.4	7.1		
BJI	8.0	72	(Pn)	12 15 14.0	1.4		
TIA	8.8	98	eP	12 15 34.8	8.0		
			SMN	M _L =4.0		1.5	0.030
			SME			1.0	0.030
GYA	11.4	178	P	12 16 01.2	-2.1		

1986 11 21

O=22 59 13.7 ± 0.24s
 LAT=34.56 N ± 3.20km
 LONG=139.69 E ± 4.47km
 DEPTH= 6 km ± 2.15km
 STATIONS USED = 17, STAND DEV= 3.19s

Ms=4.4/ 4,

MDJ	12.7	325	eP	23 02 19.0	1.0
			eS	23 04 48.0	7.1
SNY	14.6	305	+P	23 02 45.6	2.7
			eS	23 05 35.0	8.9
			LN	M _s =4.4	12.0 0.68
			LE		11.0 0.69
TIA	18.5	282	eP	23 03 36.5	4.2
			S	23 06 53.0	-2.3
			LN	M _s =4.8	11.5 1.60
			LE		11.5 0.74
BJI	19.5	293	eP	23 03 43.5	-0.7
WHN	21.7	266	eP	23 04 08.0	0.2
TIY	22.2	286	eP	23 04 27.5	15.1
			LE	M _s =4.4	12.0 0.61
XAN	25.4	278	eP	23 04 42.6	-1.1

1986 11 21

O=23 04 14.1 ± 0.04s
 LAT=28.05 N ± 0.36km
 LONG=103.80 E ± 0.45km

KSH	83.8	310	+P	04 02 27.0	2.6					Sg	13 42 28.6	-0.6		
										SMN	$M_L=2.7$		0.8	0.030
										SME			0.7	0.020
1986 11 22														
O=	05 56 43.2			$\pm 0.08s$						TIA	4.4	90	ePg	13 42 00.0 -5.1
LAT=	39.90 N			$\pm 0.84km$						eSg			13 43 00.6 -4.2	
LONG=	106.62 E			$\pm 0.58km$						SMN	$M_L=3.0$		0.7	0.030
DEPTH=	5 km			$\pm 0.23km$						SME			1.2	0.020
STATIONS USED = 9, STAND DEV = 2.22s														
$M_L=3.3/6,$														
BTO	2.7	74	ePg	05 57 30.0	-1.0					BTO	4.5	343	ePg	13 42 06.0 -0.6
										Sg			13 43 04.6 -2.7	
										SMN	$M_L=2.8$		0.4	0.050
										SME			0.4	0.050
TIY	5.0	114	ePg	05 58 11.7	-0.7					BJI	5.1	42	ePg	13 42 18.5 0.6
										Sg			13 43 24.0 -3.5	
										SMN	$M_L=3.4$		0.8	0.040
										SME			0.4	0.050
GTA	5.3	267	Pg	05 58 18.4	1.9					GTA	9.9	292	eP	13 43 09.2 -5.3
										eLG ₁			13 46 02.2 3.7	
XAN	6.1	162	ePg	05 58 32.4	0.8					1986 11 22				
O=14 55 23.0 $\pm 0.10s$														
LAT=36.50 N $\pm 1.17km$														
LONG=71.20 E $\pm 0.86km$														
DEPTH=101 km $\pm 0.66km$														
STATIONS USED = 18, STAND DEV = 1.67s														
$M_L=5.0/3,$														
KSH	4.8	51	eP	14 56 38.0	3.5					KSH	4.8	51	eP	14 56 38.0 3.5
										S			14 57 33.0 4.0	
										SME	$M_L=5.0$		0.8	2.00
WMQ	14.6	55	eP	14 58 44.8	-0.7					WMQ	14.6	55	eP	14 58 44.8 -0.7
GTA	22.7	74	+P	15 00 19.4	2.2					GTA	22.7	74	+P	15 00 19.4 2.2
1986 11 22														
O=15 33 15.0 $\pm 0.08s$														
LAT=3.13 S $\pm 1.03km$														
LONG=139.91 E $\pm 1.18km$														
DEPTH=11 km $\pm 0.18km$														
STATIONS USED = 77, STAND DEV = 0.97s														
$M_s=5.1/5,$														
QZN	36.9	308	eP	15 40 25.5	-0.4					QZN	36.9	308	eP	15 40 25.5 -0.4
SSE	38.4	334	-P	15 40 39.7	0.8					SSE	38.4	334	-P	15 40 39.7 0.8
										PMZ			1.0	0.080
										LN	$M_s=5.2$		24.0	2.24
										LE			24.0	1.51
NJ2	40.3	332	eP	15 40 55.0	0.6					NJ2	40.3	332	eP	15 40 55.0 0.6
										eS			15 47 00.0 -2.0	
WHN	41.4	326	eP	15 41 07.0	3.2					WHN	41.4	326	eP	15 41 07.0 3.2
GYA	43.6	315	P	15 41 22.0	0.6					GYA	43.6	315	P	15 41 22.0 0.6
TIA	44.6	333	eP	15 41 29.1	-0.1					TIA	44.6	333	eP	15 41 29.1 -0.1
XAN	47.1	324	P	15 41 49.0	-0.6					XAN	47.1	324	P	15 41 49.0 -0.6
SNY	47.1	343	+P	15 41 49.7	-0.1					SNY	47.1	343	+P	15 41 49.7 -0.1
										eS			15 48 42.0 0.4	
										LN	$M_s=5.0$		23.0	0.76
										LE			23.0	0.88
TIY	48.0	330	eP	15 41 56.1	-0.3					TIY	48.0	330	eP	15 41 56.1 -0.3

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	(S)	15 48 49.0	-4.4			
	LE	Ms=4.9	13.0	0.56		
BJI	48.2 335 +P	15 41 56.5	-1.3			
CD2	48.3 317 P	15 41 58.6	-0.3			
MDJ	48.4 350 eP	15 41 59.0	-0.8			
	eS	15 49 03.0	3.4			
CN2	48.5 346 P	15 42 00.0	-0.3			
	eS	15 49 00.0	-0.7			
HHC	50.9 332 P	15 42 18.5	-0.1			
BTO	51.4 331 eP	15 42 22.6	0.0			
LZH	51.5 322 eP	15 42 24.5	0.7			
	PMZ			1.2	0.050	
GTA	56.1 323 +P	15 42 57.0	-0.6			
WMQ	66.1 321 P	15 44 04.7	-0.4			
KSH	72.2 313 eP	15 44 44.2	1.2			

	sP	17 20 41.8	-0.2			
	S	17 28 49.0	-4.6			
BJI	72.7 321 P	17 19 49.5	-0.9			
TIY	73.7 317 +P	17 19 55.9	-0.4			
	PMZ			1.4	0.080	
	(S)	17 29 12.5	-0.7			
XAN	74.1 313 +P	17 19 57.4	-1.2			
KMI	74.7 302 +P	17 20 02.5	0.5			
	eS	17 29 25.0	0.7			
	SMN	m _B =5.9	6.0	1.00		
HHC	76.0 320 P	17 20 09.0	-0.5			
CD2	76.4 308 P	17 20 11.4	-0.2			
BTO	76.9 319 eP	17 20 14.0	-0.2			
LZH	78.8 312 P	17 20 25.5	0.9			
	PMZ			2.0	0.17	
GTA	83.1 314 +iP	17 20 47.6	0.2			
	PMZ			3.0	0.59	
	PcP	17 20 51.0	0.1			
	S	17 30 57.0	6.0			
WMQ	93.2 314 P	17 21 35.0	-0.5			

1986 11 22
 O=17 08 37.2 ± 0.12s
 LAT=15.19 S ± 1.20km
 LONG=167.46 E ± 1.75km
 DEPTH=159 km ± 0.61km
 STATIONS USED = 80, STAND DEV = 1.08s
 m_B=5.7 / 2

SSE	64.0 316 P	17 18 58.2	1.9			
GZH	65.2 305 eP	17 19 04.0	-0.1			
	eS	17 27 34.0	0.8			
QZN	66.1 299 -P	17 19 10.5	0.4			
	eS	17 27 46.0	1.4			
	SMN	m _B =5.6	9.0	0.70		
	SME		9.0	0.80		
	sS	17 28 45.5	-4.1			
	eSS	17 32 08.0	4.7			
NJ2	66.1 316 -P	17 19 09.5	-0.7			
	S	17 27 36.0	-7.4			
WHN	68.4 312 eP	17 19 23.0	-1.2			
MDJ	68.8 332 +P	17 19 25.5	-1.1			
DL2	68.8 323 P	17 19 28.9	2.3			
SNY	69.7 326 eP	17 19 33.6	1.4			
	S	17 28 33.0	7.4			
	LN		30.0	1.47		
	LE		28.0	1.45		
TIA	69.8 318 -P	17 19 31.7	-1.2			
	PcP	17 19 57.5	3.7			
	LN		30.0	0.93		
	LE		30.0	0.79		
CN2	70.1 329 +P	17 19 33.3	-1.6			
	pP	17 20 09.0	-3.6			
	eS	17 28 27.0	-5.1			
GYA	72.1 305 P	17 19 46.4	-0.5			
	PcP	17 20 04.0	0.4			

1986 11 22
 O=18 04 33.1 ± 0.32s
 LAT=24.54 N ± 1.77km
 LONG=98.54 E ± 0.99km
 DEPTH=15 km ± 2.15km
 STATIONS USED = 19, STAND DEV = 3.45s
 Ms=4.5 / 2, M_L=4.1 / 4,

KMI	3.9 80 ePn	18 05 34.5	1.8			
	Pg	18 05 44.5	3.2			
	Sg	18 06 32.0	-2.2			
	SMN	M _L =4.4	1.3	0.83		
	SME		1.0	1.00		
GYA	7.6 74 Pn	18 06 24.8	1.0			
CD2	7.9 35 ePn	18 05 56.6	-30.5			
	LN	Ms=4.6	7.0	2.74		
XAN	13.1 41 eP	18 07 36.0	-5.7			
GTA	14.9 4 eP	18 08 04.3	-0.8			
TIY	17.7 39 eP	18 08 41.2	0.2			
	LN	Ms=4.4	12.0	0.56		
	LE		10.0	0.51		

1986 11 22
 O=20 59 55.9 ± 0.12s
 LAT=32.09 N ± 1.43km
 LONG=94.63 E ± 1.46km
 DEPTH=33 km ± 0.19km
 STATIONS USED = 56, STAND DEV = 2.24s
 Ms=4.8 / 14, M_L=4.6 / 2,

GTA	8.4 29 +P	21 01 57.7	-1.2			
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			LG ₂	21 04 28.5	-5.6				CN2	134.9	337	+PKP	01 58 31.0	0.2		
			LN			Ms=4.2	10.0	1.40	KSH	136.7	30	-iPKP	01 58 37.0	2.7		
LZH	8.6	60	eP	21 02 00.5	-1.1										14.0	5.70
			eS	21 03 44.0	5.1				SNY	137.3	337	ePKP	01 58 24.0	-11.2		
			LG ₁	21 04 27.0	0.4							PP	02 01 17.5	-6.6		
			LN			Ms=4.7	8.0	2.43				SS	02 19 16.0	-3.2		
			LE				9.0	2.62				LN			32.0	14.8
KMI	9.9	132	eP	21 02 20.0	0.0							LE			28.0	9.68
			S	21 04 11.0	-0.1				WMQ	137.6	16	PKP	01 58 37.5	1.6		
GYA	11.9	115	-P	21 02 45.2	-1.4							PP	02 01 20.0	-6.6		
			S	21 05 01.2	2.3							LN			48.0	35.8
XAN	12.1	77	+P	21 02 48.4	-1.4				DL2	140.6	336	ePKP	01 58 34.8	-6.4		
			LG ₂	21 06 30.0	-6.7							PP	02 01 40.0	-4.4		
			LN			Ms=5.0	12.0	5.31				LN			20.0	6.03
			LE				10.0	1.69	BJI	141.4	343	ePKP	01 58 38.0	-4.7		
WMQ	12.9	337	P	21 02 59.0	-1.2							LN			21.0	5.18
BTO	15.0	51	eP	21 03 25.0	-2.7							LE			20.0	3.25
			ePP	21 03 38.0	-1.4				HHC	141.8	349	ePKP	01 58 41.4	-2.1		
			eS	21 06 09.0	-4.9				BTO	142.3	351	PKP	01 58 39.0	-5.3		
TIY	15.6	64	eP	21 03 38.8	3.0							pPKP	01 59 15.0	1.7		
			LN			Ms=4.9	14.0	3.77				PP	02 01 54.0	-0.7		
			LE				11.0	0.87				LN			21.0	7.50
KSH	16.8	301	eP	21 03 53.0	2.3							LE			21.0	4.10
WHN	16.9	90	eP	21 03 54.5	2.5				GTA	144.0	4	-iPKP	01 58 45.5	-1.8		
			eS	21 07 03.0	5.0							iPP	02 02 00.8	-4.1		
			LN			Ms=5.3	10.0	5.18				LN			23.5	13.3
			LE				9.0	1.81	TIY	144.6	346	-iPKP	01 58 48.0	-0.3		
GZH	18.8	114	eP	21 04 13.0	-2.7							PP	02 02 06.0	-2.4		
			LE			Ms=4.8	8.0	1.19				LN			21.0	9.46
QZN	18.9	130	eP	21 04 19.0	2.7				TIA	144.6	339	PKP	01 58 47.1	-1.1		
			eS	21 07 47.0	4.7							PP	02 02 04.0	-4.5		
			LN			Ms=4.8	13.0	1.40				LN			25.0	4.65
			LE				11.0	1.10				LE			20.0	3.66
TIA	19.1	71	eP	21 04 17.5	-0.9				SSE	147.3	329	PKP	01 58 52.0	-0.7		
			LN			Ms=4.9	13.0	2.03				PKP ₂	01 58 56.0			
			LE				10.0	0.55				pPKP	01 59 26.0	3.9		
NJ2	20.5	84	eP	21 04 32.0	-2.2							PP	02 02 22.0	-1.7		
SSE	22.6	85	eP	21 04 51.5	-3.9							SS	02 21 24.0	9.2		
			LN			Ms=5.1	16.0	3.84				LN			24.0	16.0
SNY	25.0	59	eP	21 05 18.8	0.4				LZH	147.4	358	PKP	01 58 55.5	2.4		
CN2	26.8	55	eP	21 05 35.0	-0.5							PKP ₂	01 59 28.0			
MDJ	29.9	55	eP	21 06 00.7	-2.5							PP	02 02 22.0	-2.5		
												LN			38.0	10.1
												LE			28.0	6.05
									NJ2	147.6	334	+PKP	01 58 54.3	1.1		
												PP	02 02 25.0	-0.7		
									XAN	148.9	350	iPKP	01 58 57.0	1.6		
												LE			21.0	5.30
									WHN	150.7	339	PKP	01 59 00.5	2.3		
									CD2	152.6	358	-iPKP	01 59 03.2	2.2		

1986 11 23

O=01 39 23.8 ± 0.49s

LAT= 3.35 S ± 3.53km

LONG= 77.48 W ± 4.88km

DEPTH= 112 km ± 4.12km

STATIONS USED = 93, STAND DEV= 3.87s

MDJ 132.5 334 ePKP 01 58 24.0 -2.4

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		PP	02 02 50.0	-3.2		
		SS	02 22 17.0	4.3		
		LN			40.0	18.8
QZH	153.5	326	PKP	01 59 04.0	1.8	
			PKP ₂	01 59 45.0		
			PP	02 02 58.0	-1.2	
			SS	02 22 32.0	8.7	
GYA	156.7	351	-PKP	01 59 08.0	1.5	
			PP	02 03 10.0	-6.3	
			LN			19.0 6.80
			LE			19.0 3.60
GZH	157.8	333	-iPKP	01 59 11.0	3.2	
			PP	02 03 31.5	8.9	
			LN			68.0 22.2
			LE			62.0 11.2
KMI	158.4	359	-PKP	01 59 11.0	2.2	
			PKP ₂	01 59 45.5		
			PP	02 03 24.0	-1.8	
			SS	02 23 07.0	-7.5	
			LE			24.0 13.5
QZN	162.9	336	PKP	01 59 14.0	0.7	
			PP	02 03 50.0	0.9	
			LN			17.0 4.30
			LE			20.0 6.70

1986 11 23

O=02 48 60.0 ± 0.14s
 LAT=64.65 N ± 2.21km
 LONG= 17.36 W ± 2.17km
 DEPTH= 10 km ± 0.13km
 STATIONS USED = 39, STAND DEV = 1.96s

KSH	56.5	68	eP	02 58 46.0	0.4	
WMQ	57.2	56	P	02 58 49.8	-0.6	
CN2	68.0	28	eP	03 00 01.0	-1.5	
BJI	69.5	36	eP	03 00 10.0	-1.4	
SNY	69.5	30	eP	03 00 10.0	-1.7	
TIY	70.7	40	eP	03 00 18.0	-0.7	
XAN	73.1	44	eP	03 00 32.5	-0.6	
CD2	74.3	50	eP	03 00 40.4	-0.1	
GYA	79.4	49	P	03 01 08.4	-0.6	

1986 11 23

O=06 43 50.9 ± 0.07s
 LAT=41.61 N ± 0.50km
 LONG= 88.89 E ± 0.49km
 DEPTH= 6 km ± 0.55km
 STATIONS USED = 5, STAND DEV = 2.50s

						M _L =3.6 / 5,
WMQ	2.4	339	Pn	06 44 33.0	2.1	
			S*	06 45 01.7	-1.3	

SMN M_L=3.6 0.3 0.31
 SME 0.3 0.38

1986 11 23

O=10 00 12.2 ± 0.13s
 LAT=35.17 N ± 1.43km
 LONG=111.08 E ± 1.38km
 DEPTH= 0 km ± 0.25km
 STATIONS USED = 21, STAND DEV = 3.42s

						M _L =3.7 / 12,
XAN	2.1	238	ePn	10 00 48.6	-0.4	
			Pg	10 00 50.0	0.6	
			Sg	10 01 19.8	1.6	
			SMN		M _L =3.1	0.6 0.21
			SME			0.6 0.11
TIY	2.8	23	ePn	10 00 51.5	-6.5	
			Pg	10 01 02.4	1.4	
			Sg	10 01 36.8	-1.9	
			SMN		M _L =3.7	0.8 0.35
			SME			0.8 0.28
TIA	5.0	76	ePn	10 01 28.5	-0.5	
			ePg	10 01 43.4	2.5	
			cSn	10 02 23.8	-6.2	
			Sg	10 02 46.9	-2.8	
			SMN		M _L =3.7	1.4 0.11
			SME			0.8 0.060
BTO	5.5	352	Pn	10 01 35.8	0.4	
			Pg	10 01 50.0	1.0	
			Sn	10 02 36.0	-5.3	
			Sg	10 03 01.0	-2.9	
			SMN		M _L =3.8	0.8 0.060
			SME			0.8 0.10
HHC	5.7	4	ePg	10 01 55.5	2.8	
LZH	6.0	281	ePg	10 01 56.0	-1.8	
			Sg	10 03 16.0	-3.0	
BJI	6.3	38	ePn	10 01 46.5	-0.3	
			Pg	10 02 06.0	2.2	
			eSg	10 03 25.0	-5.2	
			SMN		M _L =3.2	0.5 0.020
			SME			0.5 0.010
GYA	9.5	205	-P	10 02 32.6	-0.6	

1986 11 23

O=14 21 58.9 ± 0.05s
 LAT= 5.82 S ± 0.65km
 LONG=128.80 E ± 1.08km
 DEPTH=277 km ± 0.26km
 STATIONS USED = 49, STAND DEV = 0.74s

QZN	31.0	323	eP	14 27 52.6	-0.4	
GYA	38.6	327	P	14 28 58.0	0.3	

WHN	38.7	340	P	14 28 59.5	1.0
NJ2	38.8	346	+iP	14 29 00.5	1.1
CD2	43.7	328	P	14 29 38.2	-0.6
XAN	43.9	336	-P	14 29 39.6	-0.8
TIY	45.9	342	-P	14 29 56.2	-0.3
			LE		10.0 0.41
BJI	47.1	347	eP	14 30 05.0	-0.6
SNY	47.7	355	-iP	14 30 09.6	-0.3
CN2	49.5	357	-P	14 30 23.0	-0.8
MDJ	50.2	1	eP	14 30 29.0	-0.3
GTA	52.4	332	-iP	14 30 45.5	0.1
			ScP	14 35 21.6	1.1
WMQ	61.8	327	eP	14 31 52.0	1.0

1986 11 23

O=16 54 38.0 ± 0.11s
 LAT=32.01 S ± 1.09km
 LONG= 70.30 W ± 0.10km
 DEPTH=100 km ± 0.99km
 STATIONS USED = 23, STAND DEV= 1.15s

KSH	151.8	65	ePKP	17 14 16.7	1.1
WMQ	159.1	49	PKP	17 14 25.2	0.0
GTA	169.1	43	PKP	17 14 34.7	0.5
TIA	172.6	306	ePKP	17 14 36.4	0.6
GYA	173.9	154	PKP	17 14 36.8	-1.8
CD2	174.8	101	ePKP	17 14 37.6	0.5
XAN	177.9	18	ePKP	17 14 38.0	0.5

1986 11 23

O=17 32 39.6 ± 0.08s
 LAT=13.19 S ± 1.17km
 LONG=167.20 E ± 2.58km
 DEPTH=190 km ± 0.86km
 STATIONS USED = 33, STAND DEV= 1.34s

MDJ	66.9	332	eP	17 43 14.0	0.0
CN2	68.3	329	eP	17 43 22.4	-0.3
			epP	17 44 07.0	0.1
GYA	70.8	304	eP	17 43 38.0	0.0
TIY	72.1	317	eP	17 43 45.5	-0.2
			S	17 52 45.5	-4.2
XAN	72.6	312	eP	17 43 48.0	-0.7
KMI	73.4	301	+P	17 43 54.0	0.2
CD2	75.0	307	iP	17 44 02.6	-0.1
LZH	77.2	312	eP	17 44 16.0	0.8
			PMZ		1.3 0.030
GTA	81.6	314	+iP	17 44 38.6	0.2
			pP	17 45 24.6	0.8
WMQ	91.6	315	(P)	17 45 26.0	-1.1

1986 11 23

O=19 09 28.8 ± 0.05s
 LAT= 4.07 S ± 0.98km
 LONG=121.79 E ± 1.47km
 DEPTH= 33 km ± 0.07km
 STATIONS USED = 19, STAND DEV= 1.07s

GYA	33.7	335	eP	19 16 09.0	-0.5
KMI	34.4	328	+P	19 16 17.0	1.2
CD2	38.8	335	eP	19 16 52.2	-0.5
XAN	39.8	343	eP	19 17 00.2	-0.7
GTA	47.8	337	+iP	19 18 05.1	-0.3
MDJ	49.0	7	eP	19 18 13.5	-1.0
WMQ	56.7	331	P	19 19 10.7	-1.3

1986 11 24

O=03 29 24.1 ± 0.16s
 LAT=23.87 N ± 2.01km
 LONG=122.67 E ± 2.17km
 DEPTH= 30 km ± 0.62km
 STATIONS USED = 33, STAND DEV= 2.25s
 Ms=3.9 / 2, M_L=3.8 / 8,

QZH	3.9	287	ePn	03 30 31.5	9.5
			Sn	03 31 02.3	-5.8
			SMN	M _L =3.6	0.3 0.19
			SME		0.2 0.090
			LN	M _s =3.5	12.0 1.20
NJ2	8.8	338	eP	03 31 31.4	-1.2
			eS	03 33 09.0	-3.0
XAN	15.7	313	P	03 33 10.0	4.8
TIY	16.3	330	eP	03 33 14.8	1.5
			(S)	03 36 19.0	5.6
			LN	M _s =4.4	13.0 0.95
			LE		12.0 0.24
CD2	18.2	297	eP	03 33 36.0	-0.3
CN2	20.0	6	eP	03 33 56.5	-1.0
LZH	20.3	311	e(P)	03 34 00.5	-0.2
GTA	24.8	314	P	03 34 45.2	0.1
WMQ	34.9	313	eP	03 36 15.0	-0.1

1986 11 24

O=04 06 15.3 ± 0.13s
 LAT=24.33 N ± 1.43km
 LONG=123.61 E ± 1.97km
 DEPTH= 28 km ± 0.41km
 STATIONS USED = 12, STAND DEV= 2.87s

BJI	16.9	340	eP	04 10 15.0	3.7
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1986 11 24

O=04 39 53.4 ± 0.16s
 LAT=23.96 N ± 1.69km
 LONG=121.80 E ± 1.95km

DEPTH = 27 km ± 0.45km						DEPTH = 128 km ± 2.34km					
STATIONS USED = 49, STAND DEV = 1.97s						STATIONS USED = 23, STAND DEV = 2.52s					
Ms=4.2/ 6, M _L =4.4/ 9,											
QZH	3.1	289	ePn	04 40 41.2	0.3	BJI	36.3	321	eP	10 32 27.5	-0.5
			Sn	04 41 16.5	-2.0	TIY	37.4	316	P	10 32 38.6	1.3
			SMN	M _L =4.0	0.3 0.67				PcS	10 38 43.0	2.6
			SME		0.3 0.55	XAN	38.3	308	eP	10 32 44.5	-0.2
			LE	Ms=3.6	12.0 2.41	CD2	41.4	301	(P)	10 33 09.0	-1.4
SSE	7.1	356	Pn	04 41 37.5	1.0	LZH	42.9	309	c(P)	10 33 22.5	-0.3
			eLG ₁	04 43 35.0	-2.4	GTA	47.0	311	-P	10 33 55.9	0.1
			LG ₂	04 43 49.5	0.8	WMQ	57.0	314	eP	10 35 17.0	7.0
			LN		1.0 0.070	1986 11 24					
			LE		1.0 0.10	O=11 29 26.5			± 0.09s		
GZH	7.8	265	ePn	04 41 48.8	3.0	LAT=51.71 N			± 2.09km		
			LN		1.0 0.32	LONG=178.31 E			± 0.71km		
			LE		1.0 0.26	DEPTH= 78 km			± 0.30km		
NJ2	8.5	343	+P	04 41 55.0	-2.5	STATIONS USED = 57, STAND DEV = 0.81s					
			S	04 43 29.0	-4.0	MDJ	32.7	277	eP	11 35 53.5	-0.8
			LN		1.0 0.30	CN2	35.7	279	P	11 36 19.0	-0.8
WHN	9.3	316	eP	04 42 06.5	-2.7	SNY	37.9	277	-P	11 36 39.2	0.7
			eS	04 43 45.5	-8.8	BJI	43.5	280	eP	11 37 25.0	0.4
			LN		1.0 0.16	BTO	46.9	284	-iP	11 37 53.0	1.1
QZN	12.2	249	eP	04 42 51.8	3.7	NJ2	47.0	269	+P	11 37 53.0	0.8
			eS	04 45 10.0	6.1	TIY	47.3	280	-P	11 37 55.6	1.2
GYA	13.9	283	P	04 43 11.6	-0.1				PMZ		1.2 0.040
			pP	04 43 14.8	-3.2	WHN	50.8	271	P	11 38 21.5	-0.3
			S	04 45 39.0	-6.8	XAN	51.8	279	P	11 38 28.7	-0.6
XAN	15.1	315	eP	04 43 26.1	-0.6	LZH	53.6	284	P	11 38 42.5	0.2
			LG ₁	04 47 53.0	5.8				PMZ		1.5 0.070
			LE	Ms=4.2	10.0 0.56	GTA	53.8	290	-iP	11 38 43.5	-0.3
TIY	15.9	332	P	04 43 42.7	5.6	CD2	57.1	280	-iP	11 39 07.6	-0.4
			LN	Ms=4.3	12.0 0.70	WMQ	57.6	301	-P	11 39 11.1	-0.5
			LE		12.5 0.24	GYA	58.5	274	P	11 39 17.0	-0.6
BJI	16.7	345	eP	04 43 50.0	2.4	KMI	61.9	276	eP	11 39 41.0	0.1
CD2	17.4	297	eP	04 43 56.8	0.1	KSH	66.9	305	eP	11 40 13.5	0.3
BTO	19.3	332	eP	04 44 20.0	0.3				ePP	11 42 41.5	-0.7
			esP	04 44 27.0	-3.7	1986 11 24					
			ePP	04 44 37.0	0.6	O=13 39 12.3			± 0.11s		
			eS	04 47 50.0	-0.9	LAT=24.32 N			± 1.53km		
			LN	Ms=4.5	13.0 0.80	LONG=121.85 E			± 1.62km		
			LE		13.0 0.60	DEPTH= 30 km			± 0.48km		
LZH	19.7	312	eP	04 44 28.5	5.0	STATIONS USED = 13, STAND DEV = 2.41s					
			PMZ		2.0 0.050	Ms=4.1/ 2, M _L =4.3/ 2,					
GTA	24.1	315	-P	04 45 09.2	0.5	QZH	3.0	282	ePn	13 39 58.5	-0.2
WMQ	34.2	314	eP	04 46 39.5	0.1				Sn	13 40 32.8	-2.8
1986 11 24									LG ₂	13 40 52.5	0.2
O=10 25 34.8			± 0.24s						LN	Ms=4.0	4.0 2.16
LAT=13.79 N			± 2.04km			SSE	6.8	355	Pn	13 40 52.1	2.0
LONG=144.87 E			± 0.55km						eLG ₁	13 42 46.5	1.5

November, 1986

LAT=37.27 N ± 1.10km					XAN	68.8	63	+P	14 10 45.8	-0.3			
LONG= 71.82 E ± 1.39km								LE	Ms=5.8	11.0	1.77		
DEPTH=139 km ± 0.54km					BJI	69.4	54	eP	14 10 50.0	0.4			
STATIONS USED = 23, STAND DEV = 1.50s								eS	14 19 52.0	-1.8			
KSH	3.9	55	-iP	03 50 46.0	2.3			LN	Ms=5.9	18.0	2.59		
			S	03 51 33.0	3.6			LE		18.0	2.93		
WMQ	13.7	57	P	03 52 52.0	-1.4			KMI	70.4	74	eP	14 10 55.0	-0.9
			PMZ			1.7	0.040	eS	14 20 06.0	0.1			
			S	03 55 19.5	-2.8			CN2	72.0	46	+iP	14 11 05.0	-0.2
GTA	22.0	76	P	03 54 30.4	2.7			PMZ				3.0	0.30
			pP	03 55 03.2	8.3			pP	14 11 11.5	-2.4			
GYA	31.3	100	P	03 55 53.4	0.1			PP	14 13 47.0	1.1			
1986 11 25								S	14 20 28.0	5.6			
O=13 59 41.7 ± 0.12s								GYA	72.2	70	P	14 11 06.6	-0.1
LAT=44.18 N ± 2.33km								S	14 20 29.0	3.9			
LONG= 16.48 E ± 2.32km								sS	14 20 40.0	-1.1			
DEPTH= 29 km ± 0.38km								SNY	72.3	49	-iP	14 11 07.6	0.2
STATIONS USED = 70, STAND DEV = 1.65s								pP	14 11 14.0	-2.2			
Ms=5.8/19, mb=5.5/3								S	14 20 31.0	4.2			
KSH	43.8	75	+P	14 07 47.0	-0.1			SMN			13.0	0.71	
			PP	14 09 36.0	5.5			LN	Ms=6.3	14.0	5.37		
			S	14 14 18.0	3.6			LE		12.0	3.63		
			sS	14 14 28.0	-1.6			TIA	72.5	56	eP	14 11 04.9	-3.4
			LN	Ms=5.8	12.0	4.30		eS	14 20 21.0	-8.9			
WMQ	49.7	64	P	14 08 34.3	0.5			LN	Ms=5.8	12.0	1.55		
			PMZ			1.8	0.070	LE		12.0	1.08		
			PP	14 10 34.0	5.7			DL2	73.3	52	eP	14 11 20.0	7.0
			S	14 15 43.0	4.3			LN	Ms=6.0	15.0	3.18		
			LN	Ms=5.9	10.0	3.82		LE		15.0	2.61		
GTA	59.7	63	+iP	14 09 46.2	-0.9			MDJ	73.5	43	eP	14 11 20.0	5.8
			eS	14 17 54.5	-0.6			S	14 20 44.0	4.3			
			SMN	mb=5.4	12.0	0.60		WHN	74.6	62	eP	14 11 20.0	-0.5
			SS	14 21 51.0	0.3			eS	14 20 52.0	-1.3			
			LN	Ms=5.5	21.0	2.34		LN	Ms=5.4	18.0	1.23		
LZH	64.3	64	P	14 10 17.5	0.1			NJ2	76.4	59	eP	14 11 29.0	-1.8
			PMZ			1.5	0.050	QZN	79.3	74	eP	14 11 47.0	-0.3
BTO	65.4	57	P	14 10 25.0	0.4			eS	14 21 42.5	-2.6			
			epP	14 10 31.0	-2.4			LE	Ms=5.5	14.0	1.10		
			PP	14 12 50.0	0.2			1986 11 26					
			S	14 19 06.0	1.5			O=04 42 31.6 ± 0.09s					
			ScS	14 20 14.0	0.9			LAT=33.23 N ± 1.72km					
			LN	Ms=6.2	25.0	8.60		LONG=140.55 E ± 2.13km					
			LE		25.0	9.90		DEPTH= 85 km ± 1.33km					
CD2	67.4	68	P	14 10 37.8	0.5			STATIONS USED = 43, STAND DEV = 1.96s					
			S	14 19 26.0	-2.7			MDJ	14.2	326	eP	04 45 56.0	6.0
TIY	68.7	58	eP	14 10 44.5	-0.7			CN2	15.8	316	eP	04 46 13.0	2.2
			S	14 19 38.5	-5.4			SNY	15.9	307	+P	04 46 11.6	-0.7
			LN	Ms=5.7	13.0	1.30		SSE	16.5	268	(P)	04 46 22.2	2.5
			LE		14.0	1.20		NJ2	18.3	272	-P	04 46 43.2	1.8

BJI	20.7	296	eP	04 47 07.0	0.1					LG ₁	09 57 32.8	0.3				
WHN	22.4	270	eP	04 47 24.0	0.1					LN		Ms=5.5	5.0	4.23		
TIY	23.3	289	eP	04 47 34.1	1.3					LE			4.0	2.12		
			(S)	04 51 38.5	2.9					TIY	15.6	331	P	09 53 24.5	0.3	
BTO	25.4	296	eP	04 47 53.3	0.1					LG				09 58 03.0	7.5	
XAN	26.3	281	eP	04 47 59.3	-2.0					LN		Ms=4.8	6.0	1.31		
GYA	30.1	266	P	04 48 34.6	-0.8					LE			10.0	1.33		
CD2	31.2	276	eP	04 48 43.4	-1.6					BJI	16.4	344	eP	09 53 37.0	2.6	
GTA	33.2	293	-P	04 49 01.6	-1.1					CD2	17.4	296	+iP	09 53 46.0	0.2	
WMQ	42.0	301	P	04 50 18.0	1.2					eS				09 56 52.0	-4.4	
KSH	51.4	297	eP	04 51 32.0	1.5					LE		Ms=5.1	10.0	3.34		
										KMI	17.4	277	eP	09 53 56.0	10.0	
										pP				09 54 01.0	7.3	
										LN		Ms=5.1	10.0	1.70		
										LE			10.0	3.20		
										SNY	17.6	4	+P	09 53 51.0	2.4	
										eS				09 57 08.0	6.6	
										LN		Ms=4.6	16.0	1.41		
										LE			16.0	0.70		
										HHC	18.7	335	+P	09 54 04.3	2.2	
										S				09 57 27.0	1.8	
										SS				09 57 47.0	-2.8	
										LN		Ms=4.7	7.0	0.47		
										LE			8.0	0.70		
										BTO	19.1	331	eP	09 54 07.0	-0.2	
										eS				09 57 33.5	-2.1	
										eLG ₁				09 59 34.0	-9.5	
										LG ₂				10 00 05.0	-8.8	
										LN		Ms=4.7	11.0	0.60		
										LE			11.0	1.10		
										LZH	19.5	311	+iP	09 54 12.5	0.6	
										PMZ					2.0	0.14
										(S)				09 57 46.0	1.1	
										LG ₂				10 00 20.0	-7.5	
										LN			2.5	0.56		
										LE			2.5	0.48		
										CN2	19.7	8	-P	09 54 14.4	0.3	
										pP				09 54 17.4	-4.6	
										eS				09 57 50.0	0.4	
										MDJ	21.3	15	eP	09 54 29.5	-0.8	
										eS				09 58 23.0	2.8	
										GTA	24.0	314	+P	09 54 57.6	0.4	
										PMZ		m _B =5.0	5.0	0.32		
										sP				09 55 08.0	-1.5	
										eS				09 59 13.0	3.7	
										sS				09 59 27.5	4.4	
										LE		Ms=4.7	12.0	1.02		
										WMQ	34.1	313	P	09 56 28.5	0.4	
										KSH	41.4	303	P	09 57 31.0	1.5	
										ePP				09 59 06.0	-2.1	

1986 11 26

O=09 49 44.1 ± 0.13s
 LAT=24.26 N ± 1.69km
 LONG=121.86 E ± 1.79km
 DEPTH= 31 km ± 0.40km

STATIONS USED = 89, STAND DEV = 1.81s

Ms=4.8/27, M_L=4.5/2, m_B=5.0/1

QZH	3.1	284	-Pn	09 50 30.8	0.1										
			Sn	09 51 04.3	-3.4										
			SMN			M _L =4.8	0.8	3.49							
			SME				1.0	3.16							
			LN			Ms=4.2	8.0	7.04							
SSE	6.8	355	+iPn	09 51 23.2	0.5										
			LG ₁	09 53 14.0	-4.9										
			LG ₂	09 53 30.0	0.3										
			LN			Ms=4.9	5.0	1.94							
			LE				5.0	4.50							
GZH	7.9	263	+Pn	09 51 38.4	1.2										
			LE			Ms=4.4	10.0	2.85							
NJ2	8.2	342	-P	09 51 41.8	-2.2										
			S	09 53 12.0	-4.4										
			LE			Ms=5.2	5.0	6.80							
WHN	9.1	315	+P	09 51 54.0	-3.1										
			LG ₁	09 54 37.0	5.5										
			LE			Ms=5.2	6.0	7.10							
QZN	12.3	247	eP	09 52 40.6	0.1										
			eS	09 54 56.0	+1.9										
			LN			Ms=4.4	16.0	2.20							
TIA	12.6	342	eP	09 52 42.1	-2.0										
			LG ₁	09 56 24.5	4.8										
			LG ₂	09 56 47.0	7.4										
GYA	13.9	282	P	09 53 01.4	-0.3										
			S	09 55 29.6	-6.0										
			LN			Ms=5.3	6.0	5.30							
DL2	14.6	359	eP	09 53 14.0	3.4										
			eS	09 56 00.0	7.6										
			LN			Ms=4.4	14.0	1.34							
XAN	14.9	314	eP	09 53 13.8	-0.9										

	eS	10 03 38.0	-4.4		
1986 11 26					
O=15 51 54.2		± 0.13s			
LAT=21.90 N		± 2.03km			
LONG=121.71 E		± 1.42km			
DEPTH= 98 km		± 1.06km			
STATIONS USED = 40, STAND DEV = 2.21s					
M _L =4.1 / 9,					
QZH	4.2 317	-P	15 52 54.8	-2.2	
		S	15 53 38.7	-6.1	
		SMN	M _L =4.2	0.1 0.40	
		SME		0.2 0.60	
GZH	7.8 280	eP	15 53 52.0	4.8	
		LN		1.1 0.14	
		LE		1.0 0.080	
QZN	11.5 258	eP	15 54 35.8	-0.7	
		eS	15 56 39.8	-3.6	
GYA	14.5 291	P	15 55 21.2	5.7	
XAN	16.5 320	eP	15 55 43.9	2.3	
TIY	17.7 335	P	15 55 57.1	1.3	
		(S)	15 59 11.0	3.9	
CD2	18.4 303	eP	15 56 03.8	-0.4	
BJI	18.7 347	eP	15 56 07.5	0.1	
BTO	21.1 335	eP	15 56 34.8	1.8	
GTA	25.6 318	eP	15 57 18.6	2.4	

1986 11 26					
O=18 59 09.3		± 0.15s			
LAT= 9.32 N		± 1.83km			
LONG=126.77 E		± 1.82km			
DEPTH= 42 km		± 1.44km			
STATIONS USED = 25, STAND DEV = 2.24s					
SSE	22.3 347	eP	19 04 05.0	0.5	
		sS	19 08 14.0	-5.0	
NJ2	23.8 343	-P	19 04 20.5	1.3	
XAN	29.6 329	eP	19 05 09.0	-3.8	
BJI	32.0 345	eP	19 05 34.0	-0.4	
SNY	32.5 356	+iP	19 05 39.0	0.4	
GTA	38.4 326	P	19 06 27.1	-2.2	
WMQ	48.3 322	eP	19 07 49.5	0.7	

1986 11 27					
O=00 24 45.5		± 0.09s			
LAT= 9.60 S		± 1.52km			
LONG=107.92 E		± 1.80km			
DEPTH= 32 km		± 0.20km			
STATIONS USED = 40, STAND DEV = 1.16s					
KMI	34.9 352	eP	00 31 38.0	1.4	
GYA	35.9 358	P	00 31 45.8	0.9	

WHN	40.4 9	eP	00 32 23.0	0.5	
CD2	40.5 354	P	00 32 23.6	0.3	
NJ2	42.7 14	eP	00 32 40.0	-1.7	
XAN	43.4 1	eP	00 32 46.0	-1.4	
LZH	45.6 355	eP	00 33 06.0	0.8	
TIA	46.4 10	eP	00 33 09.6	-1.6	
TIY	47.2 5	P	00 33 18.2	0.1	
GTA	49.3 352	P	00 33 34.0	-0.3	
BJI	50.0 8	eP	00 33 39.0	-0.1	
BTO	50.0 2	eP	00 33 39.0	-0.3	
CN2	55.5 15	eP	00 34 22.0	1.9	
WMQ	56.2 342	P	00 34 25.2	-0.6	
KSH	57.1 331	eP	00 34 31.5	-0.4	

1986 11 27					
O=00 30 07.8		± 0.25s			
LAT= 2.43 N		± 2.51km			
LONG=127.83 E		± 3.77km			
DEPTH= 71 km		± 1.69km			
STATIONS USED = 52, STAND DEV = 2.51s					
QZN	24.1 314	eP	00 35 23.0	4.7	
NJ2	30.7 345	eP	00 36 19.5	1.5	
WHN	30.7 337	eP	00 36 19.0	0.2	
GYA	31.4 322	P	00 36 32.0	7.6	
KMI	33.1 315	eP	00 36 38.5	-0.9	
TIA	35.0 345	eP	00 36 54.7	-1.4	
XAN	36.1 333	eP	00 37 03.5	-1.3	
CD2	36.3 324	(P)	00 37 08.0	0.9	
TIY	37.9 340	eP	00 37 20.0	0.1	
BJI	38.9 346	eP	00 37 27.5	-1.0	
SNY	39.4 355	-P	00 37 31.8	-0.9	
LZH	40.2 329	eP	00 37 40.0	0.8	
HHC	41.0 341	eP	00 37 45.8	0.0	
CN2	41.2 357	eP	00 37 53.0	5.1	
BTO	41.3 339	eP	00 37 46.6	-1.6	
MDJ	42.0 2	eP	00 37 53.0	-1.4	
GTA	44.8 -329	P	00 38 16.8	0.1	
WMQ	54.4 325	P	00 39 30.5	0.0	

1986 11 27					
O=03 28 58.3		± 0.10s			
LAT=42.46 N		± 1.18km			
LONG=144.53 E		± 1.13km			
DEPTH= 41 km		± 1.12km			
STATIONS USED = 75, STAND DEV = 1.20s					
M _s =4.6 / 9, m _B =5.5 / 1					
MDJ	11.1 286	+P	03 31 39.0	1.9	
		eS	03 33 42.0	1.9	
CN2	14.0 282	eP	03 32 16.0	-0.4	
		S	03 34 51.0	0.5	

TIY	16.2	330	eP	21 44 31.4	2.0
			LG ₂	21 49 32.5	-4.8
			LN	Ms=4.4	12.0 0.98
			LE		14.0 0.48
BJI	16.9	343	eP	21 44 40.0	1.9
SNY	17.9	2	eP	21 44 50.4	0.7
			sS	21 48 15.0	-1.8
			LN	Ms=4.4	15.0 0.70
			LE		15.0 0.58
CD2	18.1	297	P	21 44 51.8	-0.5
KMI	18.1	278	eP	21 44 55.0	2.5
HHC	19.2	334	-P	21 45 07.5	1.2
BTO	19.7	331	P	21 45 10.0	-1.3
			esP	21 45 17.0	-5.9
			eS	21 48 43.0	-3.7
			LN	Ms=4.7	14.0 1.30
			LE		14.0 1.00
CN2	20.0	6	eP	21 45 13.0	-1.3
			eS	21 48 50.0	-2.6
LZH	20.2	311	-P	21 45 17.5	0.6
MDJ	21.4	14	eP	21 45 28.0	-1.4
GTA	24.7	314	+P	21 46 01.2	-0.1
			LE	Ms=4.4	11.0 0.39
WMQ	34.7	313	P	21 47 31.5	-0.1

1986 11 28

O=13 44 51.8 ± 0.16s
 LAT= 1.99 N ± 1.77km
 LONG=127.05 E ± 4.49km
 DEPTH= 79 km ± 1.15km
 STATIONS USED = 20, STAND DEV= 2.13s

TIA	35.3	346	eP	13 51 43.0	1.8
XAN	36.1	334	eP	13 51 46.5	-1.9
TIY	38.0	341	eP	13 52 06.0	1.7
BJI	39.1	347	eP	13 52 13.0	-0.6
LZH	40.2	330	eP	13 52 21.5	-0.8
MDJ	42.5	3	eP	13 52 40.0	-1.4
GTA	44.7	330	P	13 52 58.2	-1.5

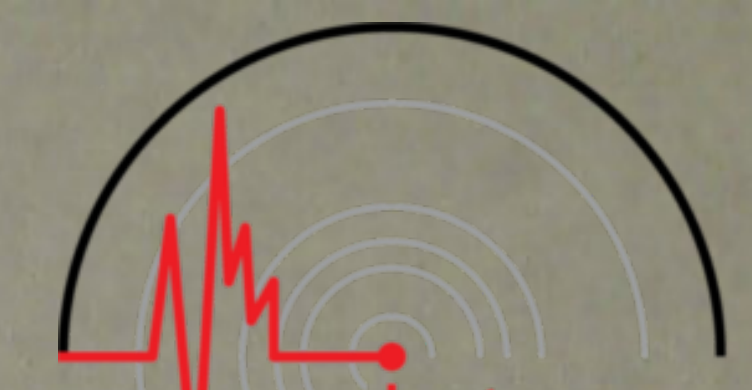
1986 11 28

O=22 06 37.5 ± 0.11s
 LAT= 0.23 S ± 1.62km
 LONG=125.33 E ± 2.61km
 DEPTH= 63 km ± 0.54km
 STATIONS USED = 26, STAND DEV= 2.07s

XAN	37.4	337	eP	22 13 44.6	-2.0
BJI	40.9	349	(P)	22 14 18.0	2.1
MDJ	44.8	4	eP	22 14 46.0	-1.4
GTA	45.8	332	P	22 14 54.8	-1.0
WMQ	55.2	327	eP	22 16 07.5	0.5

1986 11 28
 O=22 29 33.0 ± 0.11s
 LAT=36.40 N ± 2.03km
 LONG=141.14 E ± 2.18km
 DEPTH= 38 km ± 1.08km
 STATIONS USED = 89, STAND DEV= 1.90s
 Ms=5.6/33, m_B=5.8/16

MDJ	12.0	317	eP	22 32 26.0	1.2
			PP	22 32 36.0	1.3
			iS	22 34 46.0	7.7
			SS	22 35 02.0	9.4
CN2	14.1	306	+P	22 32 53.0	0.7
			PMZ	m _B =6.3	4.0 2.40
			PP	22 33 03.0	-0.6
			eS	22 35 20.0	-8.1
			SMN	m _B =5.3	7.0 1.40
			SS	22 35 43.0	-1.3
SNY	14.7	297	+P	22 33 01.8	2.0
			pP	22 33 11.0	3.5
			S	22 35 38.0	-3.2
			SMN	m _B =5.4	10.0 2.21
			LN	Ms=5.6	14.0 13.2
			LE		18.0 21.3
DL2	15.7	285	+P	22 33 15.5	2.9
			PMZ	m _B =5.7	6.0 2.27
			LN	Ms=5.6	14.0 4.48
			LE		14.0 18.5
SSE	17.4	258	+iP	22 33 35.0	0.2
			PMZ	m _B =5.6	8.0 2.25
			pP	22 33 46.0	3.1
			sS	22 37 03.0	4.6
			SS	22 37 13.0	6.3
			LN	Ms=5.3	15.0 7.43
			LE		14.0 3.73
NJ2	18.9	263	+P	22 33 52.0	-1.5
			S	22 37 16.0	-2.9
			LE	Ms=5.4	14.0 8.70
TIA	19.3	277	+P	22 33 56.3	-2.0
			sP	22 34 12.4	0.8
			S	22 37 23.5	-4.8
			LN	Ms=5.6	15.0 11.9
			LE		16.6 6.22
BJI	19.9	288	eP	22 34 02.0	-2.6
			pP	22 34 13.5	-0.1
			eS	22 37 36.0	-5.8
			LN	Ms=5.1	13.0 3.85
QZH	22.4	246	P	22 34 27.0	-3.3
TIY	22.9	282	eP	22 34 33.8	-1.1
			PP	22 35 03.5	-0.7



			S	22 38 46.5	9.4				S	22 41 15.0	2.2		
			SME	$m_B = 5.9$	9.0	3.30			LN	$M_s = 5.6$	21.0	6.40	
			LN	$M_s = 5.8$	15.0	10.2			LE		21.0	5.60	
			LE		14.0	13.1	GTA	32.5 288	+P	22 36 02.5	-0.8		
WHN	23.1	263	P	22 34 33.5	-2.8				sP	22 36 17.0	-0.3		
			PMZ		1.5	0.19			PP	22 37 14.0	2.4		
			pP	22 34 49.0	3.1				PcP	22 38 50.0	1.4		
			S	22 38 40.0	0.3				S	22 41 12.0	-1.9		
			LE	$M_s = 5.6$	15.0	11.1			sS	22 41 37.0	5.3		
HHC	23.5	290	P	22 34 39.0	-1.4				LE	$M_s = 5.6$	19.0	8.25	
			pP	22 34 53.0	3.1			KMI	34.7 262	+iP	22 36 21.0	-0.5	
			PP	22 35 16.0	4.0				PP	22 37 38.0	0.0		
			S	22 38 51.0	4.0				S	22 41 45.0	-1.7		
			LE	$M_s = 4.9$	13.0	1.91			sS	22 42 08.0	3.6		
BTO	24.6	289	-iP	22 34 50.4	-1.4				LE	$M_s = 5.8$	17.0	9.00	
			pP	22 35 05.0	3.6			WMQ	40.9 297	+iP	22 37 16.0	2.0	
			PP	22 35 28.0	0.3				PMZ		1.7	0.45	
			S	22 39 03.0	-4.2				ScP	22 42 56.5	-2.5		
			sS	22 39 28.0	4.0				PcS	22 43 06.0	2.6		
			LN	$M_s = 5.6$	15.0	3.30			S	22 43 26.0	3.9		
			LE		15.0	7.70			SMN	$m_B = 6.1$	7.0	1.37	
XAN	26.4	274	+P	22 35 06.9	-1.0				SME		7.0	2.06	
			PMZ	$m_B = 5.8$	6.0	1.29			sS	22 43 45.8	5.8		
			PP	22 35 51.0	0.5				ScS	22 47 14.5	1.9		
			S	22 39 36.0	0.4				LE	$M_s = 5.7$	20.0	6.03	
			LN	$M_s = 5.5$	14.0	3.40	KSH	50.5 294	+iP	22 38 32.0	2.1		
			LE		14.0	5.07			PcP	22 39 47.0	0.0		
GZH	27.4	249	P	22 35 19.0	1.4				S	22 45 40.0	1.3		
			eS	22 39 56.0	2.2				LN	$M_s = 6.1$	17.0	9.40	
			LN	$M_s = 5.7$	15.0	7.63							
			LE		16.0	5.61							
LZH	30.0	281	+iP	22 35 40.0	-0.5								
			PMZ		2.5	0.26							
			sP	22 35 57.0	2.3								
			SME	$m_B = 5.5$	9.0	1.13							
			LN	$M_s = 5.9$	17.0	6.25							
			LE		17.0	14.0							
GYA	30.9	261	+P	22 35 48.0	-0.8			MDJ	61.3 335	eP	04 02 51.0	0.1	
			PMZ		1.2	0.60			CN2	62.5 332	+P	04 02 53.4	-5.4
			PP	22 36 57.0	6.8					pP	04 03 09.0	-4.4	
			S	22 40 44.0	-4.2			XAN	65.9 314	eP	04 03 20.6	-0.3	
			LN	$M_s = 5.7$	18.0	4.60			CD2	68.1 309	eP	04 03 37.6	2.5
			LE		18.0	8.60			BTO	68.8 321	eP	04 03 39.3	0.1
CD2	31.5	271	-iP	22 35 52.5	-1.2			GTA	74.9 315	P	04 04 16.4	0.8	
			PMZ		1.0	0.25							
			PP	22 36 58.0	0.6								
			PcP	22 38 48.0	2.4								
			S	22 40 59.0	2.1								
QZN	32.5	246	eP	22 36 03.0	0.5								
			ePP	22 37 15.0	4.4								

1986 11 29
 O = 03 52 38.4 ± 0.11s
 LAT = 10.14 S ± 1.40km
 LONG = 160.68 E ± 1.39km
 DEPTH = 58 km ± 1.08km
 STATIONS USED = 33, STAND DEV = 1.41s

MDJ 61.3 335 eP 04 02 51.0 0.1
 CN2 62.5 332 +P 04 02 53.4 -5.4
 pP 04 03 09.0 -4.4
 XAN 65.9 314 eP 04 03 20.6 -0.3
 CD2 68.1 309 eP 04 03 37.6 2.5
 BTO 68.8 321 eP 04 03 39.3 0.1
 GTA 74.9 315 P 04 04 16.4 0.8

1986 11 29
 O = 11 40 52.0 ± 0.15s
 LAT = 26.07 N ± 2.06km
 LONG = 96.86 E ± 1.50km
 DEPTH = 33 km ± 0.25km
 STATIONS USED = 60, STAND DEV = 2.42s

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Ms=4.4 / 12, ML=4.5 / 1,				CN2	67.7	46	eP	12 57 02.5	-0.5
CD2	7.7	50	Pn	11 42 47.6	4.7				
			PMZ			1.0	0.060		
			(Sn)	11 44 13.0	1.6				
			LG ₁	11 45 02.0	6.7				
			LN	Ms=4.6	6.0	2.76			
GYA	8.8	85	P	11 43 00.4	0.2				
LZH	11.6	29	+P	11 43 37.5	-1.5				
			LE	Ms=4.4	10.0	1.40			
XAN	13.1	50	eP	11 43 58.7	0.0				
			LG ₁	11 47 45.0	1.2				
			LN	Ms=4.3	9.0	0.83			
GTA	13.5	10	eP	11 44 02.8	-1.5				
			LE	Ms=4.5	17.0	2.02			
WHN	16.0	70	eP	11 44 35.0	-1.7				
TIY	17.6	45	eP	11 44 54.2	-1.9				
			(S)	11 48 06.5	-2.3				
			LG ₁	11 50 09.0	5.3				
			LN	Ms=4.3	11.0	0.44			
			LE		11.0	0.38			
BTO	18.2	34	eP	11 45 02.0	-1.5				
			esP	11 45 11.0	-4.7				
			PP	11 45 17.0	-1.1				
			eS	11 48 17.5	-4.6				
			LN	Ms=4.6	14.0	1.00			
			LE		14.0	1.00			
HHC	19.1	36	P	11 45 14.0	-1.4				
WMQ	19.2	339	P	11 45 16.0	-0.2				
TIA	20.0	55	-P	11 45 24.6	-0.6				
NJ2	20.1	68	+P	11 45 26.0	0.1				
BJI	21.3	44	(P)	11 45 38.0	-0.1				
SSE	21.9	71	P	11 45 44.5	0.1				
			S	11 49 44.0	4.9				
			LN	Ms=4.4	9.0	0.43			
KSH	22.0	313	P	11 45 49.5	4.3				
1986 11 29									
O=12 46 02.4				± 0.20s					
LAT= 7.45 N				± 7.02km					
LONG= 59.39 E				± 4.34km					
DEPTH= 7 km				± 1.17km					
STATIONS USED = 20, STAND DEV = 3.29s									
WMQ	43.9	30	P	12 54 09.2	-2.7				
GTA	48.2	42	eP	12 54 46.6	0.2				
XAN	52.7	53	eP	12 55 18.0	-2.4				
			pP	12 55 25.3	0.0				
BTO	55.8	45	eP	12 55 41.6	-1.5				
HHC	57.0	46	eP	12 55 56.0	4.3				
TIA	59.7	52	eP	12 56 15.5	4.5				
BJI	60.0	48	P	12 56 11.5	-1.4				
1986 11 29									
O=13 58 54.2				± 0.07s					
LAT=41.10 N				± 0.58km					
LONG= 75.09 E				± 0.54km					
DEPTH= 16 km				± 0.87km					
STATIONS USED = 5, STAND DEV = 2.69s									
ML=3.9 / 3,									
KSH	1.8	157	+Pg	13 59 26.2	0.2				
			Sg	13 59 47.0	-3.3				
			SMN	ML=3.9	0.4	1.20			
			SME		0.3	1.30			
WMQ	9.7	70	e(P)	14 01 15.0	-1.6				
1986 11 29									
O=16 25 38.3				± 0.09s					
LAT=42.11 N				± 1.21km					
LONG=142.89 E				± 0.92km					
DEPTH= 77 km				± 1.08km					
STATIONS USED = 30, STAND DEV = 1.34s									
MDJ	10.0	289	eP	16 28 03.0	1.6				
CN2	12.9	283	eP	16 28 40.0	-0.1				
BJI	20.2	273	eP	16 30 07.5	-2.1				
TIA	20.8	262	eP	16 30 13.8	-1.7				
GTA	32.5	280	+P	16 32 04.8	0.6				
			PcP	16 34 51.3	2.4				
WMQ	39.8	292	P	16 33 07.0	1.1				
1986 11 29									
O=16 54 12.5				± 0.22s					
LAT=16.32 S				± 2.89km					
LONG=173.82 W				± 2.70km					
DEPTH=102 km				± 0.91km					
STATIONS USED = 39, STAND DEV = 1.01s									
m _B =5.6 / 2									
MDJ	79.5	323	eP	17 06 09.4	-1.0				
CN2	81.5	320	eP	17 06 20.0	-1.1				
TIA	83.5	311	eP	17 06 31.9	0.8				
BJI	85.8	314	eP	17 06 43.0	0.4				
			cS	17 16 57.0	-9.1				
			SME	m _B =5.5	7.0	0.40			
TIY	87.5	310	-P	17 06 51.8	0.7				
GYA	88.1	298	P	17 06 55.2	1.3				
XAN	88.8	306	-P	17 06 58.0	0.7				
			sP	17 07 25.0	-9.4				
KMI	91.1	296	eP	17 07 09.0	1.1				
			pP	17 07 36.0	2.2				
			SKS	17 17 33.0	5.6				
			S	17 18 02.0	9.0				

SME						$m_B = 5.6$	7.0	0.40	QZH	3.7	274	ePn	22 10 11.5	0.1			
CD2	91.9	302	eP	17 07 13.0	1.2							Sn	22 10 52.5	-3.8			
LZH	93.4	306	eP	17 07 19.0	0.2							SMN		$M_L = 4.6$	1.2	1.74	
1986 11 29												SME			1.2	1.12	
O = 20 39 23.8						$\pm 0.10s$						LN		$M_S = 4.5$	10.0	11.7	
LAT = 44.84 N						$\pm 3.03km$						SSE	6.5	348	ePn	22 10 48.5	-0.7
LONG = 148.50 E						$\pm 1.55km$						LG ₁	22 12 36.0	-2.6			
DEPTH = 89 km						$\pm 1.42km$						LG ₂	22 12 49.0	0.1			
STATIONS USED = 64,						STAND DEV = 1.71s						LN		$M_S = 4.3$	10.0	2.89	
MDJ	13.4	276	eP	20 42 32.2	-0.2							NJ2	8.0	336	eP	22 11 10.0	-3.1
CN2	16.5	275	eP	20 43 11.0	-0.6							eS	22 12 40.0	-4.0			
SNY	18.4	269	eP	20 43 33.1	-0.8							LE		$M_S = 4.9$	6.5	4.80	
DL2	20.8	263	eP	20 43 59.4	-0.9							GZH	8.7	261	eP	22 11 21.7	-0.7
BJI	24.2	270	eP	20 44 32.5	-1.2							eS	22 12 59.0	-1.7			
TIA	25.2	261	eP	20 44 43.1	-0.3							LN		$M_S = 5.2$	12.0	15.2	
NJ2	26.3	251	eP	20 44 53.4	-0.2							LE			10.0	2.50	
TIY	27.9	268	P	20 45 07.8	0.2							WHN	9.4	310	P	22 11 29.0	-2.9
BTO	28.4	275	P	20 45 12.8	0.2							S	22 13 13.5	-4.1			
WHN	30.3	254	P	20 45 28.0	-1.3							cLG ₂	22 14 23.0	-2.0			
XAN	32.1	264	eP	20 45 44.0	-1.3							LN		$M_S = 5.0$	10.0	7.40	
LZH	34.7	271	+iP	20 46 08.0	0.3							TIA	12.4	339	eP	22 12 17.1	4.0
			PMZ			2.0	0.12					eS	22 14 37.0	5.4			
GTA	36.1	279	+iP	20 46 19.8	0.5							LN		$M_S = 4.7$	10.0	2.61	
CD2	37.5	264	+iP	20 46 30.5	-0.5							QZN	13.2	247	eP	22 12 26.6	2.9
			PMZ			0.7	0.080					eS	22 14 55.4	4.7			
GYA	38.1	256	P	20 46 35.8	-0.7							LN		$M_S = 4.8$	13.0	3.20	
KMI	41.7	257	eP	20 47 05.5	-0.5							LE			14.0	2.10	
WMQ	42.6	291	P	20 47 13.8	0.5							DL2	14.2	357	eP	22 12 38.0	1.7
KSH	52.4	291	eP	20 48 30.0	0.1							eS	22 15 15.0	1.3			
1986 11 29												LN		$M_S = 5.0$	14.0	2.98	
O = 21 35 31.4						$\pm 0.10s$						LE			14.0	5.06	
LAT = 27.94 N						$\pm 0.69km$						GYA	14.6	280	eP	22 12 43.4	1.7
LONG = 140.00 E						$\pm 1.49km$						S	22 15 25.0	2.3			
DEPTH = 499 km						$\pm 0.44km$						LN		$M_S = 5.4$	8.0	6.20	
STATIONS USED = 18,						STAND DEV = 0.96s						LE			8.0	4.30	
TIA	21.0	299	eP	21 39 40.6	-0.1							XAN	15.2	311	P	22 12 48.3	-1.1
WHN	22.5	283	P	21 39 55.0	0.6							PP	22 12 55.4	-5.7			
GYA	29.6	275	P	21 40 57.6	0.0							LG ₁	22 17 07.5	-3.7			
CD2	31.6	284	P	21 41 14.0	-0.5							LG ₂	22 17 25.5	-9.7			
GTA	35.1	300	P	21 41 43.2	-0.5							LN		$M_S = 5.1$	10.0	4.31	
1986 11 29												LE			11.0	2.50	
O = 22 09 14.9						$\pm 0.14s$						TIY	15.6	328	P	22 13 00.9	5.5
LAT = 24.73 N						$\pm 2.26km$						LG ₂	22 17 42.5	-8.0			
LONG = 122.70 E						$\pm 2.20km$						LN		$M_S = 4.9$	11.5	2.12	
DEPTH = 26 km						$\pm 0.93km$						LE			11.5	2.18	
STATIONS USED = 80,						STAND DEV = 2.00s						BJI	16.2	342	(P)	22 13 02.0	-1.0
$M_S = 5.0 / 33,$						$M_L = 4.4 / 7,$	$m_B = 5.4 / 2$					SNY	17.1	2	eP	22 13 19.6	5.9
												sS	22 16 36.0	3.8			
												LN		$M_S = 4.8$	12.0	1.36	
												LE			12.0	1.43	

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CD2	17.8	294	P	22 13 22.8	-0.6			LG ₂	22 54 53.0	9.5			
			LG ₂	22 18 58.0	-5.6			LN	Ms=4.7	10.0	3.36		
			LN	Ms=5.3	9.0	5.12		LE		8.0	2.33		
KMI	18.1	275	eP	22 13 26.5	-0.4			NJ2	9.7	349	-P	22 52 22.0	-1.8
			pP	22 13 31.0	-2.3			S		22 54 10.5	-2.0		
			LN	Ms=5.3	11.0	5.90		LN	Ms=5.3	11.0	15.2		
HHC	18.6	333	P	22 13 34.0	1.5			WHN	10.0	324	P	22 52 25.0	-3.2
			PMZ	m _B =5.4	4.0	0.70		S		22 54 14.0	-6.2		
			S	22 16 58.0	3.0			LG ₁		22 55 18.0	1.7		
			LN	Ms=4.8	13.0	1.27		LN	Ms=4.8	11.0	4.60		
			LE		13.0	1.72		QZN	11.1	254	eP	22 52 40.8	-2.6
BTO	19.1	329	eP	22 13 33.8	-4.6			eS		22 54 40.3	-7.4		
			ePP	22 13 49.5	-4.9			LN	Ms=4.7	15.0	3.30		
			eS	22 16 57.0	-9.7			LE		14.0	2.30		
			LN	Ms=4.9	10.0	1.80		GYA	13.7	289	eP	22 53 16.4	-2.1
			LE		12.0	1.10		S		22 55 48.6	-1.6		
CN2	19.2	6	-P	22 13 39.0	-0.4			LN	Ms=5.0	8.0	1.40		
			eS	22 17 06.0	-2.8			LE		8.0	2.60		
LZH	19.8	309	-iP	22 13 47.5	1.0			TIA	14.0	347	eP	22 53 24.9	2.0
			PMZ			1.5	0.34	eS		22 55 54.0	-4.9		
			S	22 17 24.0	2.0			LG ₂		22 57 42.5	-3.5		
			LG ₂	22 20 02.0	-5.5			LN	Ms=5.2	11.0	5.69		
			LN	Ms=5.0	10.0	2.04		LE		10.0	2.19		
			LE		8.0	0.67		XAN	15.7	320	P	22 53 43.5	-0.6
MDJ	20.6	14	eP	22 13 54.2	-1.0			LG ₂		22 58 30.0	-9.5		
			eS	22 17 41.0	1.3			LN	Ms=4.9	14.0	3.06		
GTA	24.2	313	-iP	22 14 31.0	0.0			LE		11.0	1.82		
			esS	22 18 55.5	-2.2			DL2	16.3	2	eP	22 53 48.0	-4.3
			LN	Ms=5.1	12.0	2.22		S		22 56 50.0	-1.6		
WMQ	34.3	313	P	22 16 01.4	-0.3			LN	Ms=5.1	12.0	4.00		
KSH	41.8	302	eP	22 17 06.0	1.7			LE		12.0	2.05		
			eS	22 23 22.0	1.8			TIY	16.8	336	P	22 54 01.8	2.6
								LG ₂		22 59 28.0	9.4		
								LN	Ms=5.0	12.0	3.36		
								LE		12.0	2.00		
								KMI	17.0	282	eP	22 54 04.0	2.9
								CD2	17.6	302	eP	22 54 08.0	-0.1
								(S)		22 57 23.0	1.9		
								LN	Ms=5.3	7.0	3.78		
								BJI	17.9	348	eP	22 54 13.0	0.4
								SNY	19.3	6	eP	22 54 26.9	-2.7
								S		22 58 05.0	4.7		
								LN	Ms=4.8	12.0	1.52		
								LE		11.0	0.86		
								HHC	19.9	338	+P	22 54 38.0	1.6
								eS		22 58 22.0	7.4		
								LN	Ms=5.0	11.0	2.29		
GZH	7.2	276	Pn	22 51 46.5	-0.3			LZH	20.1	316	eP	22 54 39.5	0.7
			LN	Ms=4.5	10.0	2.48		eS		22 58 14.0	-5.3		
			LE		10.0	3.25		LN	Ms=4.9	10.0	1.33		
SSE	8.5	1	(P)	22 52 07.0	-0.8								
			LG ₁	22 54 30.5	0.5								

1986 11 29

O=22 50 03.0 ± 0.14s

LAT=22.56 N ± 1.93km

LONG=121.09 E ± 1.78km

DEPTH= 24 km ± 1.17km

STATIONS USED = 73, STAND DEV = 2.36s

Ms=4.9/28, M_L=4.4/8, m_B=5.2/1

QZH	3.3	317	+Pn	22 50 53.2	-0.4		
			Sn	22 51 31.0	-2.8		
			SMN	M _L =4.3	0.8	1.10	
			SME		0.8	0.94	
			LE	Ms=4.4	9.0	8.98	
GZH	7.2	276	Pn	22 51 46.5	-0.3		
			LN	Ms=4.5	10.0	2.48	
			LE		10.0	3.25	
SSE	8.5	1	(P)	22 52 07.0	-0.8		
			LG ₁	22 54 30.5	0.5		

CD2	65.3	310	cP	14 09 20.6	-1.0		
BTO	66.3	322	cP	14 09 27.0	-0.8		
LZH	67.8	315	cP	14 09 38.5	1.0		
GTA	72.2	316	cP	14 10 04.4	0.0		
			S	14 19 29.0	6.7		
			LE			Ms=5.2	26.0 0.96
WMQ	82.3	317	cP	14 11 01.4	0.8		

1986 11 30
 O=18 37 40.3 ± 0.11s
 LAT=36.89 N ± 2.22km
 LONG=141.08 E ± 1.34km
 DEPTH= 36 km ± 0.31km
 STATIONS USED = 9, STAND DEV= 1.82s

BJI	19.7	287	(P)	18 42 09.0	-1.0		
GYA	30.9	260	P	18 43 54.0	-2.6		
GTA	32.4	287	cP	18 44 08.2	-0.9		

1986 11 30
 O=20 15 29.3 ± 0.10s
 LAT=38.81 N ± 1.57km
 LONG=141.99 E ± 1.76km
 DEPTH= 39 km ± 0.99km
 STATIONS USED = 77, STAND DEV= 1.59s
 Ms=5.6 / 42, m_B=6.0 / 19

MDJ	10.9	306	+iP	20 18 08.2	1.8		
			PP	20 18 18.0	3.2		
			iS	20 20 06.0	-2.1		
CN2	13.4	297	+iP	20 18 40.0	0.6		
			PMZ			m _B =7.0	5.0 12.1
			PP	20 18 49.5	-0.7		
			S	20 21 06.0	-1.2		
			SMN			m _B =6.0	6.0 7.00
SNY	14.4	288	+iP	20 18 53.5	1.3		
			PMZ			m _B =6.2	5.0 1.91
			PP	20 19 03.0	-0.7		
			S	20 21 29.0	-1.4		
			SS	20 21 41.0	-6.5		
			LN			Ms=5.2	11.0 4.35
			LE				12.0 5.16
DL2	15.9	277	+iP	20 19 14.0	2.4		
			pP	20 19 23.0	3.4		
			S	20 22 07.0	1.6		
			LN			Ms=5.6	13.0 10.3
			LE				14.0 15.1
SSE	18.7	252	+P	20 19 45.0	-1.7		
			PP	20 20 03.0	0.6		
			cS	20 23 05.0	-5.3		
			sS	20 23 19.0	-4.8		
			SS	20 23 33.0	-1.6		

			LN			Ms=5.5	14.0 7.79
			LE				14.0 7.79
TIA	19.9	270	+P	20 19 58.7	-1.6		
			cS	20 23 36.0	-1.0		
			SMN			m _B =6.1	8.0 4.39
			SME				8.0 3.11
			cSS	20 24 09.5	5.0		
			ScS	20 31 29.6	1.4		
			LN			Ms=5.6	14.0 2.95
			LE				12.0 9.47
BJI	20.0	282	P	20 19 58.5	-2.7		
			PMZ			m _B =5.7	4.0 1.58
			sP	20 20 14.0	-1.4		
			SMN			m _B =5.8	8.0 1.59
			SME				7.0 2.00
			LN			Ms=5.7	13.0 4.53
			LE				13.0 12.9
NJ2	20.0	257	+P	20 20 01.0	-0.5		
			S	20 23 34.0	-4.6		
			LE			Ms=5.5	12.5 9.50
TIY	23.2	277	cP	20 20 31.0	-2.8		
			PMZ				1.2 0.19
			(S)	20 24 33.5	-5.5		
			sS	20 24 51.0	-4.4		
			LN			Ms=5.8	15.0 8.55
			LE				15.0 12.4
HHC	23.4	285	+iP	20 20 35.0	-0.9		
			sP	20 20 50.0	-0.2		
			S	20 24 42.0	0.2		
			LN			Ms=5.9	13.0 3.90
			LE				14.0 18.6
WHN	24.1	258	+P	20 20 42.5	-0.2		
			PMZ				1.4 1.50
			sP	20 20 58.0	0.9		
			S	20 24 52.0	-2.1		
			SMN			m _B =6.3	6.0 4.70
			LE			Ms=5.7	19.0 16.2
QZH	24.1	242	+iP	20 20 43.0	0.3		
			PMZ			m _B =5.8	8.0 3.24
			sP	20 20 58.0	0.8		
			iS	20 24 56.0	1.1		
			SME			m _B =6.2	10.0 6.10
			isS	20 25 20.0	8.4		
			SS	20 25 50.0	2.9		
			LE			Ms=5.5	24.0 11.5
BTO	24.6	284	+iP	20 20 47.0	-0.5		
			sP	20 21 03.0	1.2		
			cPP	20 21 24.0	0.7		
			S	20 24 59.0	-3.4		
			sS	20 25 24.0	4.3		

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			LN		$M_s=6.1$	14.0	7.90	WMQ	40.5	295	+iP	20 23 07.9	1.5
			LE			15.0	27.9				sP	20 23 23.0	1.8
XAN	26.9	270	+P	20 21 08.0	-1.4						PP	20 24 46.0	2.6
			PMZ		$m_B=5.9$	5.0	1.32				ScP	20 28 51.5	-1.6
			sP	20 21 24.0	0.1						PcS	20 28 59.0	1.3
			PcP	20 24 31.5	1.2						S	20 29 13.4	2.1
			S	20 25 34.0	-7.1						ScS	20 32 56.0	-9.8
			SMN		$m_B=5.7$	11.0	0.92	KSH	50.1	293	+iP	20 24 25.0	1.5
			SME			12.0	2.02				sP	20 24 41.0	2.8
			ScP	20 28 07.5	1.7						PP	20 26 23.0	4.3
			LN		$M_s=4.9$	20.0	1.18				iS	20 31 37.0	5.7
			LE			20.0	1.55				SME	$m_B=6.5$	7.0 4.90
LZH	30.3	277	+iP	20 21 38.0	-1.3						LN	$M_s=6.0$	14.0 6.70
			PMZ			1.5	0.20						
			PP	20 22 36.0	-2.1								
			S	20 26 30.0	-4.2								
			LN		$M_s=5.9$	15.0	7.12						
			LE			13.0	9.80						
GYA	32.0	258	+P	20 21 54.0	-0.7								
			PMZ			1.2	0.80						
			PP	20 23 05.0	4.3								
			S	20 27 01.0	-0.5								
			sS	20 27 26.0	6.2								
			LN		$M_s=5.8$	18.0	6.90						
			LE			18.0	10.7						
CD2	32.2	268	P	20 21 56.2	0.2								
			S	20 27 05.7	1.7								
			LN		$M_s=5.8$	14.0	7.99						
GTA	32.5	285	+iP	20 21 58.5	-0.7								
			pP	20 22 10.0	0.8								
			sP	20 22 16.5	2.8								
			PP	20 23 03.0	-4.5								
			PcP	20 24 46.5	1.9								
			S	20 27 03.0	-6.5								
			SME			18.0	2.45						
			ScP	20 28 25.1	1.3								
			PcS	20 28 30.0	1.6								
			LE		$M_s=6.1$	16.0	17.9						
QZN	34.1	244	eP	20 22 16.8	4.2								
			ePP	20 23 31.0	4.2								
			eS	20 27 35.0	0.1								
			sS	20 28 00.0	7.7								
			LN		$M_s=5.7$	15.0	6.20						
			LE			15.0	2.80						
KMI	35.7	259	+iP	20 22 27.0	0.3								
			PMZ			3.0	2.10						
			sP	20 22 44.5	3.3								
			PP	20 23 50.0	2.9								
			S	20 27 56.0	-2.9								
			LN		$M_s=5.7$	16.0	7.50						