

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)
1985 12 1 O = 01 37 01.1 \pm 0.11s LAT = 51.80 N \pm 2.63km LONG = 174.67 W \pm 1.34km DEPTH = 32 km \pm 0.12km STATIONS USED = 25, STAND DEV = 0.93s															
MDJ	37.0	281	-P	01 44 09.2	-1.1						pP	04 53 40.2	0.4		
CN2	40.0	283	+P	01 44 34.0	-0.9						sP	04 53 43.5	0.0		
SNY	42.2	282	+iP	01 44 53.7	0.3						sS	04 58 10.0	2.2		
BJI	47.8	284	cP	01 45 37.5	-0.4			TIA	25.5	263	cP	04 53 32.1	-0.3		
SSE	50.6	272	cP	01 46 01.2	1.9			NJ2	26.4	253	cP	04 53 41.2	-0.1		
			sP	01 46 12.2	-0.1						LZ	Ms=4.5	18.0	0.86	
TIY	51.5	284	cP	01 46 07.0	0.4			HHC	27.6	276	P	04 53 55.0	2.4		
XAN	56.1	283	cP	01 46 39.5	-0.7			TIY	28.2	270	cP	04 53 58.5	1.0		
GTA	57.8	294	P	01 46 51.4	-0.9						sS	04 58 48.5	-4.9		
GYA	62.8	279	P	01 47 26.6	-0.2						LN	Ms=4.6	15.0	0.57	
											LE		15.0	0.43	
1985 12 1 O = 02 20 17.1 \pm 0.04s LAT = 36.38 N \pm 0.33km LONG = 71.16 E \pm 0.37km DEPTH = 20 km STATIONS USED = 5, STAND DEV = 1.04s M_L = 4.1 / 2,															
KSH	4.9	50	cPg	02 21 43.6	-0.2			BTO	28.8	277	cP	04 54 03.5	0.2		
			cSg	02 22 41.6	-8.9						cS	04 58 52.0	1.5		
			SMN	M _L = 4.1	0.2	0.34					LN	Ms=4.7	18.0	0.60	
			SME		0.2	0.20					LE		18.0	1.00	
								1985 12 1 O = 06 16 38.3 \pm 0.09s LAT = 16.45 S \pm 2.05km LONG = 66.66 E \pm 1.68km DEPTH = 9 km \pm 0.14km STATIONS USED = 49, STAND DEV = 0.97s M_s = 5.2 / 6,							
								LZA	51.6	27	+P	06 25 48.7	0.5		
								KMI	54.3	41	cP	06 26 04.0	-3.7		
											S	06 33 40.0	-2.7		
											LZ	Ms=5.9	24.0	8.65	
								KSH	56.3	9	P	06 26 22.0	-0.4		
											cS	06 34 13.0	1.7		
								GYA	57.7	43	+P	06 26 33.2	0.7		
											S	06 34 33.0	4.4		
								CD2	59.1	37	cP	06 26 41.2	-0.7		
											S	06 34 47.0	0.6		
								LZH	63.0	33	cP	06 27 08.0	-0.6		
								WMQ	63.0	17	-P	06 27 08.0	-0.6		
											pP	06 27 16.0	2.2		
											S	06 35 40.0	3.6		
											LN	Ms=5.3	18.0	1.20	
								GTA	63.6	28	-iP	06 27 12.5	-0.2		
											LZ	Ms=5.2	26.0	1.45	
								XAN	64.3	38	P	06 27 16.8	-0.6		



WMQ 91.9 315 P 14 08 17.5 -0.9

1985 12 1

O=14 26 37.3 ± 0.12s

LAT=28.47 N ± 3.87km

LONG=140.34 E ± 3.19km

DEPTH= 14 km ± 2.22km

STATIONS USED = 14, STAND DEV = 2.74s

Ms=4.4/ 3, m_b=5.2/ 5

TIA	21.0	297	cP	14 31 21.3	-2.3		
			PMZ			m _b =5.2	6.0 0.62
			csS	14 35 23.5	1.3		
BJI	23.0	306	cP	14 31 44.0	1.0		
TIY	25.1	299	cP	14 32 06.8	3.7		
XAN	27.4	290	cP	14 32 21.2	-3.3		
BTO	27.6	304	cP	14 32 26.5	-0.4		
			csS	14 37 16.5	0.0		
			LN			Ms=4.4	14.0 0.30
			LE				14.0 0.40
			LZ			Ms=4.4	14.0 0.50
CD2	31.8	283	cP	14 33 05.0	1.0		
GTA	35.1	299	cP	14 33 32.8	0.1		
WMQ	44.5	305	cP	14 34 53.0	2.7		

1985 12 1

O=16 14 04.8 ± 0.04s

LAT= 5.53 S ± 0.63km

LONG=130.35 E ± 0.36km

DEPTH= 48 km ± 0.14km

STATIONS USED = 5, STAND DEV = 1.88s

KMI	40.6	320	cP	16 21 41.5	-0.8		
BJI	47.2	345	P	16 22 34.5	-0.6		
WMQ	62.4	326	P	16 24 24.5	-1.1		

1985 12 1

O=20 05 11.9 ± 0.15s

LAT=13.70 S ± 1.91km

LONG=166.90 E ± 2.76km

DEPTH= 39 km ± 0.63km

STATIONS USED = 50, STAND DEV = 1.32s

Ms=4.7/ 3,

SSE	62.5	316	cP	20 15 33.5	-1.1		
			PMZ				1.2 0.039
			pP	20 15 46.0	0.7		
			cS	20 23 58.0	0.0		
			cSS	20 28 06.0	2.9		
			LN			Ms=4.7	16.0 0.25
NJ2	64.7	316	+P	20 15 48.3	-0.5		
			LZ			Ms=4.7	20.0 0.30
WHN	67.0	312	-P	20 16 03.0	-0.5		

MDJ 67.2 332 +P 20 16 04.6 -0.3

SNY 68.1 326 P 20 16 11.5 0.7

TIA 68.3 318 cP 20 16 10.6 -1.4

CN2 68.6 329 -P 20 16 12.0 -1.5

PMZ 3.0 0.20

cS 20 25 10.0 -2.0

LE Ms=5.1 12.0 0.40

GYA 70.8 305 +P 20 16 27.4 0.0

pP 20 16 44.4 6.4

BJI 71.2 321 cP 20 16 29.5 -0.2

TIY 72.3 317 +P 20 16 35.5 -0.4

XAN 72.7 312 +iP 20 16 38.2 -0.5

KMI 73.5 302 +P 20 16 43.5 0.3

cS 20 26 12.0 2.9

HHC 74.6 320 -P 20 16 49.6 0.1

CD2 75.1 307 cP 20 16 52.1 -0.4

BTO 75.4 319 +P 20 16 54.0 -0.3

cpP 20 17 05.0 0.2

cS 20 26 31.0 0.3

LZH 77.4 312 +iP 20 17 06.5 1.0

GTA 81.7 314 +iP 20 17 28.0 -0.8

LSA 84.7 302 P 20 17 43.9 -0.6

WMQ 91.7 315 +P 20 18 17.0 -0.8

1985 12 1

O=20 31 46.6 ± 0.14s

LAT=37.61 N ± 2.51km

LONG= 56.64 E ± 1.10km

DEPTH= 17 km ± 0.46km

STATIONS USED = 20, STAND DEV = 1.96s

Ms=4.8/ 1,

KSH	15.3	77	cP	20 35 19.1	-4.2		
			cS	20 38 07.0	-5.7		
			LN			Ms=4.8	9.0 1.80
WMQ	24.3	65	P	20 37 04.5	0.2		
			S	20 41 27.0	8.4		
			SMN				2.5 0.043
GTA	33.6	73	cP	20 38 28.0	-0.8		
CD2	39.2	85	cP	20 39 16.8	0.8		
XAN	42.1	78	cP	20 39 39.8	-0.2		
GYA	43.4	90	P	20 39 55.6	4.9		

1985 12 2

O=00 11 41.0 ± 0.32s

LAT=24.27 N ± 2.68km

LONG=122.22 E ± 3.06km

DEPTH= 15 km

STATIONS USED = 12, STAND DEV = 3.36s

M_L=3.3/ 11,

QZH 3.4 282 -Pn 00 12 32.5 -1.1

			LN	Ms = 5.3	10.0	6.48	QZH	24.1	234	cP	07 19 52.0	1.9		
			LE		10.0	3.12				S	07 24 07.0	4.4		
BJI	18.2	274	+P	07 18 49.0	1.4					sS	07 24 18.0	1.7		
			PMZ	m _B = 5.6	5.0	1.36				LN	Ms = 5.4	12.0	1.25	
			epP	07 18 55.0	0.6					LE		11.0	3.86	
			ePP	07 19 05.0	2.8		XAN	25.6	264	cP	07 20 03.0	-1.4		
			eS	07 22 10.0	3.3					pP	07 20 09.0	-3.2		
			esS	07 22 22.0	4.4					LN	Ms = 5.4	11.0	3.83	
			eSS	07 22 39.0	9.5					LE		12.0	2.00	
SSE	18.2	243	+P	07 18 48.0	-0.4		LZH	28.6	272	-iP	07 20 31.5	-0.6		
			PMZ		1.4	0.16				pP	07 20 37.0	-3.0		
			pP	07 18 54.0	-1.2					cS	07 25 21.0	3.1		
			sP	07 18 57.0	-2.4		GZH	28.8	239	cP	07 20 35.0	1.8		
			S	07 22 11.0	3.5					S	07 25 24.0	4.9		
			sS	07 22 16.0	-3.0					SMN		16.0	2.70	
			LN	Ms = 5.5	12.0	9.97				SME		16.0	2.70	
			LE		17.0	6.34	GTA	30.6	280	+P	07 20 47.5	-2.1		
TIA	18.6	262	cP	07 18 53.0	0.5					cPP	07 21 53.0	3.7		
			pP	07 19 00.0	0.8					sS	07 25 58.5	-3.6		
NJ2	19.3	249	-P	07 19 01.0	0.1					LE	Ms = 5.8	14.0	9.16	
			S	07 22 27.0	-3.8					cP	07 20 50.0	-2.4		
			LE	Ms = 5.8	11.0	17.7	CD2	30.9	262	S	07 25 51.0	-1.9		
HHC	21.5	279	+P	07 19 24.2	-0.1					LN	Ms = 5.9	11.0	7.46	
			sP	07 19 33.0	-2.7					LE		13.0	6.82	
			PP	07 19 46.5	-1.6					LZ	Ms = 5.7	14.0	6.72	
			S	07 23 19.0	3.5		GYA	31.2	252	P	07 20 56.0	1.1		
			SMN	m _B = 5.9	8.0	2.82				pP	07 21 06.0	3.2		
			SME		7.0	1.47				S	07 25 57.0	-0.2		
			LN	Ms = 5.6	11.0	5.13				LN	Ms = 5.9	13.0	6.80	
			LE		14.0	10.0				LE		13.0	8.40	
TIY	21.6	270	-P	07 19 24.8	-0.6		QZN	33.9	239	cP	07 21 23.5	4.7		
			pP	07 19 33.0	0.0					PP	07 22 38.5	6.4		
			S	07 23 16.0	-1.5					cS	07 26 47.5	6.3		
			sS	07 23 27.0	-3.6					LN	Ms = 5.6	12.5	3.10	
			SS	07 23 50.0	-3.8					LE		13.0	3.10	
			LE	Ms = 5.4	11.0	4.96	KMI	34.8	254	cP	07 21 27.0	0.4		
BTO	22.7	279	+P	07 19 35.5	-0.8					LE	Ms = 5.9	12.0	7.60	
			PMZ	m _B = 5.4	4.0	0.70	WMQ	38.2	292	+P	07 21 54.5	-0.4		
			pP	07 19 42.0	-2.0					pP	07 22 01.7	-1.3		
			PP	07 20 03.0	-1.3					PP	07 23 28.0	2.8		
			S	07 23 34.0	-3.6					S	07 27 48.0	2.5		
			sS	07 23 46.0	-5.1					LN	Ms = 5.8	17.0	7.75	
			LN	Ms = 5.8	13.0	8.20	LSA	41.0	270	cP	07 22 17.0	-1.6		
			LE		14.0	12.0				LN	Ms = 5.3	12.0	1.03	
			LZ	Ms = 5.8	14.0	16.5				LE		13.0	1.21	
WHN	23.3	251	cP	07 19 40.6	-1.7		KSH	47.9	290	+P	07 23 17.0	3.2		
			iS	07 23 53.0	3.5					PP	07 25 10.0	5.8		
			isS	07 24 08.0	5.7									
			LN	Ms = 5.7	14.0	8.39								
			LE		13.0	9.42								
							1985 12 2							
							O = 14 12 32.4		± 0.13s					

LAT = 4.75 S	± 1.95km				
LONG = 133.66 E	± 2.80km				
DEPTH = 32 km	± 0.25km				
STATIONS USED = 18, STAND DEV = 2.62s					
GYA	40.6	321	cP	14 20 10.6	-0.5
XAN	45.1	331	cP	14 20 51.6	3.6
CD2	45.5	323	P	14 20 50.4	-1.0
BJI	47.4	342	P	14 21 12.0	6.1
CN2	48.9	352	-P	14 21 17.4	-0.3
MDJ	49.3	356	cP	14 21 18.5	-2.1
GTA	53.9	328	cP	14 21 54.2	-1.4
WMQ	63.6	324	cP	14 23 02.5	-0.6
1985 12 2					
O = 16 45 00.9	± 0.12s				
LAT = 28.43 N	± 3.88km				
LONG = 140.62 E	± 3.05km				
DEPTH = 27 km	± 1.90km				
STATIONS USED = 26, STAND DEV = 2.53s					
Ms = 4.3 / 6, m _B = 5.2 / 6					
SSE	17.1	284	P	16 49 00.0	0.3
			PMZ	m _B = 5.3	6.0 0.85
			PP	16 49 16.0	2.3
			csS	16 52 20.0	1.6
			cSS	16 52 36.0	8.0
			LN	Ms = 4.2	12.0 0.60
MDJ	18.4	334	cP	16 49 14.0	-2.0
NJ2	19.1	286	+P	16 49 28.0	2.9
CN2	19.6	326	cP	16 49 27.0	-3.0
TIA	21.3	297	cP	16 49 47.1	-0.8
			csS	16 53 51.0	0.3
			LE	Ms = 4.3	10.5 0.40
WHN	23.0	282	+P	16 50 07.0	2.6
			cS	16 54 18.0	9.3
			SME	m _B = 5.2	8.0 0.63
			LE	Ms = 4.5	12.0 0.73
BJI	23.2	306	cP	16 50 06.0	-1.0
			PMZ	m _B = 5.0	6.0 0.43
			csS	16 54 28.0	1.6
TIY	25.3	299	cP	16 50 21.5	-5.7
			S	16 54 49.0	0.7
			LE	Ms = 4.2	13.0 0.31
HHC	26.8	305	P	16 50 40.0	-1.2
XAN	27.6	290	cP	16 50 49.3	0.7
BTO	27.8	304	cP	16 50 51.5	0.7
			cS	16 55 40.0	9.0
CD2	32.0	284	cP	16 51 25.6	-2.4
GTA	35.3	299	cP	16 51 54.4	-2.1
WMQ	44.7	305	P	16 53 14.8	0.9

1985 12 3					
O = 00 12 13.2	± 0.11s				
LAT = 27.00 N	± 1.73km				
LONG = 140.57 E	± 2.01km				
DEPTH = 426 km	± 0.27km				
STATIONS USED = 87, STAND DEV = 1.43s					
m _B = 5.7 / 33					
SSE	17.4	288	-P	00 15 50.7	-0.7
			PMZ		1.0 0.15
			iS	00 18 45.0	-3.2
			SME	m _B = 5.9	12.0 14.7
			ScP	00 23 06.0	2.6
			PcS	00 23 40.0	-4.6
NJ2	19.5	290	+iP	00 16 13.0	0.8
			sP	00 18 03.0	-1.9
			S	00 19 22.0	-2.9
			SME	m _B = 6.4	8.0 26.8
MDJ	19.7	336	-iP	00 16 15.5	2.1
			PMZ		2.0 3.53
			sP	00 18 08.5	2.1
			S	00 19 31.5	4.5
			ScP	00 23 07.0	-1.2
			ScS	00 26 49.0	-0.8
DL2	19.8	312	P	00 16 14.5	-0.1
			PMZ	m _B = 5.7	5.0 1.45
			sP	00 18 04.0	-4.0
			S	00 19 26.0	-3.1
			SMN	m _B = 6.0	10.0 7.89
			SME		10.0 10.8
QZH	19.9	269	-iP	00 16 15.5	0.2
			sP	00 18 05.0	-3.9
			iS	00 19 30.0	-1.0
SNY	20.3	321	-iP	00 16 20.2	0.5
			PMZ		3.0 3.12
			sP	00 18 16.0	1.4
			S	00 19 41.5	3.3
			SMN	m _B = 6.2	9.0 12.9
			SME		8.0 10.5
			ScS	00 26 51.1	-0.9
CN2	20.7	328	-iP	00 16 23.0	-0.8
			PMZ	m _B = 5.8	4.0 1.40
			isP	00 18 18.0	-1.9
			S	00 19 41.0	-4.4
			iPcP	00 20 15.0	-0.8
			iScP	00 23 09.4	-1.4
			ScS	00 26 50.0	-3.5
TIA	21.9	301	cP	00 16 34.4	-0.7
			sP	00 18 35.0	0.9
			S	00 20 10.0	4.8
			SMN	m _B = 6.3	6.0 3.45

			SME		7.0	13.7			SMN	$m_B = 5.6$	7.0	2.25	
WHN	23.2	285	-iP	00 16 47.2	0.3				SME		7.5		
			PMZ			0.9	0.38		sS	00 24 24.0	2.6		
			isP	00 18 48.6	1.0			GYA	30.2	277	-P	00 17 49.0	-0.2
			iPcP	00 20 20.6	-0.2				pP	00 19 07.0	1.3		
			iS	00 20 34.5	7.2				PP	00 19 14.0	1.1		
			SMN	$m_B = 5.5$	6.0	1.72			sP	00 19 57.0	2.8		
BJI	24.0	309	-P	00 16 53.0	-1.3				PcP	00 20 38.0	0.5		
			PMZ	$m_B = 5.2$	6.0	0.53			S	00 22 14.0	-3.3		
			esP	00 18 56.0	0.2				SME	$m_B = 5.7$	5.0	2.00	
			PcP	00 20 21.5	-1.0				SS	00 24 50.0	3.9		
			S	00 20 36.0	-3.7				ScS	00 27 35.0	1.3		
			SMN	$m_B = 5.8$	10.0	3.08		CD2	32.4	286	-iP	00 18 07.0	-0.2
			SME		9.0	3.57			pP	00 19 24.0	-0.9		
			ScP	00 23 18.0	-1.2				PP	00 19 30.0	-6.7		
			ScS	00 27 04.5	-1.5				sP	00 20 09.0	-4.1		
GZH	25.0	267	+P	00 17 03.0	0.6				iS	00 22 46.0	-5.0		
			sP	00 19 03.0	-1.7			LZH	32.4	295	-iP	00 18 08.0	0.0
			PcP	00 20 25.5	1.0				PcP	00 20 43.0	-0.4		
			S	00 20 51.0	-3.3				ScS	00 27 45.0	0.2		
			SME	$m_B = 5.4$	9.0	1.94		KMI	34.0	275	-P	00 18 21.0	0.0
			ScS	00 27 09.5	-0.3				PMZ		2.0	1.03	
TIY	26.0	301	-iP	00 17 11.0	-0.7				pP	00 19 43.0	3.7		
			PMZ	$m_B = 5.6$	5.0	1.39			sP	00 20 29.0	1.9		
			sP	00 19 13.0	-1.5				iS	00 23 12.0	-4.0		
			S	00 21 08.5	-2.0				SME	$m_B = 5.8$	6.0	2.38	
			SMN	$m_B = 5.6$	8.0	1.62			sS	00 25 33.0	-1.8		
			SME		9.0	2.46			SS	00 25 57.0	-4.3		
HHC	27.6	307	+iP	00 17 25.0	-1.2			GTA	36.0	301	P	00 18 37.0	-1.0
			PP	00 18 40.0	-2.7				PMZ	$m_B = 5.5$	4.0	0.90	
			sP	00 19 28.0	-2.2				pP	00 19 56.0	-1.1		
			S	00 21 33.0	-3.2				sP	00 20 44.5	-0.2		
XAN	28.1	292	-iP	00 17 29.4	-0.9				PcP	00 20 54.0	0.3		
			PMZ	$m_B = 5.6$	4.0	1.02			iS	00 23 45.0	-1.6		
			pP	00 18 46.0	0.8				SME	$m_B = 5.4$	9.0	1.47	
			sP	00 19 36.0	1.4				ScP	00 23 57.9	0.0		
			S	00 21 39.0	-4.7				ScS	00 28 02.1	-1.9		
			SMN	$m_B = 5.5$	7.0	1.21		LSA	43.3	286	-iP	00 19 38.1	0.2
			SME		10.0	1.89			pP	00 21 00.0	0.8		
			ScS	00 27 23.0	-0.4				sP	00 21 45.0	-1.1		
BTO	28.6	306	-iP	00 17 34.5	-0.6				eS	00 25 31.0	-3.6		
			PMZ		3.0	1.15			SME	$m_B = 5.4$	9.0	0.90	
			pP	00 18 51.0	0.8				isS	00 28 01.5	2.5		
			sP	00 19 37.0	-2.6			WMQ	45.5	306	-iP	00 19 54.2	-0.2
			S	00 21 53.0	0.8				PMZ		2.5	2.72	
			sS	00 24 06.0	2.3				pP	00 21 17.0	0.2		
QZN	29.3	261	+P	00 17 41.8	0.8				PcP	00 21 25.0	0.1		
			pP	00 18 53.0	-3.9				PP	00 21 48.0	0.3		
			sP	00 19 47.0	1.1				sP	00 22 04.0	0.5		
			iS	00 22 04.0	0.2				ScP	00 24 35.0	-0.1		

	PcS	00 25 17.8	1.1	
	S	00 26 01.2	-1.9	
	sS	00 28 30.0	-1.1	
	ScS	00 29 02.0	0.7	
	SS	00 29 39.0	8.0	
KSH	54.4 301 -iP	00 21 02.0	0.9	
	PcP	00 21 59.0	1.1	
	sP	00 23 11.0	-1.7	
	iS	00 28 10.0	3.9	
	ScS	00 30 05.0	2.8	
	eSS	00 31 58.0	3.6	

1985 12 3

O = 01 20 02.3 ± 0.15s
 LAT = 28.19 N ± 2.05km
 LONG = 141.10 E ± 2.74km
 DEPTH = 92 km ± 0.76km
 STATIONS USED = 14, STAND DEV = 1.88s

$m_B = 5.5 / 6$

SSE	17.6 284 P	01 24 00.0	-2.5	
	eSS	01 27 28.0	-9.8	
	LE		10.0	0.64
NJ2	19.6 287 +P	01 24 26.5	0.5	
	PMZ	$m_B = 5.5$	6.0	1.70
	S	01 28 04.0	7.1	
	LN		11.0	0.30
WHN	23.4 282 +P	01 25 06.5	2.6	
	PMZ	$m_B = 5.6$	5.0	1.53
	S	01 29 12.5	6.1	
	LN		10.0	0.51
TIY	25.8 299 P	01 25 28.0	1.4	
	PMZ	$m_B = 5.8$	5.0	1.26
	S	01 29 48.0	1.8	
	LE		13.0	0.47
XAN	28.1 290 cP	01 25 48.0	0.2	
BTO	28.3 304 +P	01 25 50.0	0.0	
	eS	01 30 28.0	-0.7	
GYA	30.6 275 P	01 26 11.6	1.6	

1985 12 3

O = 09 15 28.4 ± 0.11s
 LAT = 28.58 N ± 3.24km
 LONG = 140.71 E ± 2.14km
 DEPTH = 17 km ± 1.21km
 STATIONS USED = 17, STAND DEV = 2.36s

$M_s = 4.3 / 7,$ $m_B = 5.3 / 5$

SSE	17.1 283 +P	09 19 27.0	-1.9	
	PP	09 19 43.0	0.3	
	sS	09 22 48.0	1.3	
	eSS	09 22 56.0	-2.0	

	LN		$M_s = 4.2$	12.0	0.60
NJ2	19.2 286 +P	09 19 55.0	0.8		
SNY	19.2 318 cP	09 19 54.0	-0.5		
CN2	19.5 325 cP	09 19 54.0	-3.9		
	eS	09 23 23.0	-8.9		
	LE		$M_s = 4.4$	11.0	0.60
TIA	21.3 297 cP	09 20 14.1	-2.6		
WHN	23.0 281 cP	09 20 35.5	1.7		
	PMZ		$m_B = 5.4$	5.0	0.77
	S	09 24 41.5	3.0		
	SMN		$m_B = 5.4$	6.0	0.76
	LN		$M_s = 4.5$	12.0	0.48
	LE			13.0	0.59
BJI	23.2 306 cP	09 20 37.0	1.3		
	PMZ		$m_B = 5.0$	5.0	0.33
	eS	09 24 41.0	-1.7		
	SMN		$m_B = 5.1$	7.0	0.44
	SME			8.0	0.36
TIY	25.3 298 +P	09 20 54.0	-2.0		
	sS	09 25 28.0	-1.3		
	LE		$M_s = 4.3$	15.0	0.43
XAN	27.6 289 cP	09 21 15.2	-2.5		

1985 12 3

O = 10 50 24.6 ± 0.09s
 LAT = 1.62 N ± 1.75km
 LONG = 97.23 E ± 1.49km
 DEPTH = 27 km ± 0.34km
 STATIONS USED = 56, STAND DEV = 1.10s
 $M_s = 5.1 / 19,$ $m_B = 5.3 / 1$

QZN	21.3 35 cP	10 55 11.9	0.7		
	eS	10 58 55.0	-6.2		
	SS	10 59 25.9	-8.7		
	LN		$M_s = 5.0$	13.0	1.30
	LE			14.0	2.20
KMI	24.0 12 +P	10 55 40.0	1.9		
	PMZ		$m_B = 5.3$	4.0	0.50
	PP	10 56 11.0	-0.4		
	eS	10 59 53.0	2.5		
	LN		$M_s = 5.1$	14.0	2.81
GYA	26.3 19 -P	10 56 00.4	0.1		
	PMZ			1.2	0.10
	pP	10 56 08.0	-0.1		
	S	11 00 28.0	-0.5		
	LN		$M_s = 5.4$	15.0	4.90
	LE			15.0	1.80
	LZ		$M_s = 5.1$	16.0	2.90
LSA	28.5 349 +P	10 56 20.4	-0.3		
	eS	11 01 04.0	-1.9		
CD2	29.8 11 cP	10 56 31.0	-0.6		

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1985 12 3					
WHN	33.0	28	eP	10 57 00.0 -0.1	O = 12 42 34.5 ± 0.13s
			pP	10 57 07.0 -1.3	LAT = 11.19 S ± 2.66km
			eS	11 02 15.0 -1.2	LONG = 118.24 E ± 3.49km
			LN	Ms = 5.1 16.0 2.15	DEPTH = 33 km ± 0.19km
XAN	34.1	17	+P	10 57 07.8 -1.2	STATIONS USED = 56, STAND DEV = 1.73s
			pP	10 57 16.0 -1.3	Ms = 4.2 / 2,
			S	11 02 30.0 -1.2	GYA 39.1 343 P 12 50 02.0 1.3
			LN	Ms = 5.3 14.0 2.34	KMI 39.1 337 -P 12 50 03.5 2.3
			LE	13.0 1.11	WHN 41.7 355 P 12 50 22.5 0.6
LZH	34.8	9	+iP	10 57 15.5 -0.4	csS 12 56 48.0 -3.8
NJ2	36.5	32	eP	10 57 29.0 -0.7	SSE 42.1 4 cP 12 50 27.2 1.4
			LZ	Ms = 5.1 16.0 1.70	cpP 12 50 37.8 2.7
SSE	37.0	35	eP	10 57 36.0 1.5	csS 12 57 04.0 5.2
			cpP	10 57 43.0 0.3	LN Ms = 4.1 18.0 0.14
			eS	11 03 20.0 1.6	NJ2 43.0 1 +P 12 50 34.0 1.1
			csS	11 03 31.0 -1.1	LZ Ms = 4.4 20.0 0.30
			LN	Ms = 5.4 19.0 3.56	CD2 44.1 342 P 12 50 42.3 0.3
			LE	16.0 1.38	PMZ 1.2 0.11
GTA	37.7	3	+iP	10 57 39.6 -0.4	XAN 45.8 349 -P 12 50 55.2 -0.7
TIY	38.5	19	-iP	10 57 47.1 0.0	LSA 48.3 328 -P 12 51 16.0 0.3
			S	11 03 37.5 -2.7	LZH 48.9 345 -iP 12 51 21.0 0.7
			LN	Ms = 5.5 15.0 2.50	TIY 48.9 354 cP 12 51 19.3 -0.9
			LE	14.0 2.10	BJI 51.0 358 cP 12 51 35.5 -0.3
BTO	40.5	15	P	10 58 04.0 0.7	BTO 52.1 352 cP 12 51 43.6 -0.5
			epP	10 58 11.0 -0.5	HHC 52.1 354 cP 12 51 43.6 -0.9
			eS	11 04 09.5 -1.1	SNY 53.0 5 cP 12 51 49.6 -1.0
			LN	Ms = 5.2 17.0 1.40	GTA 53.2 342 -iP 12 51 52.2 -0.1
			LE	15.0 0.90	CN2 55.1 6 +P 12 52 04.5 -1.9
			LZ	Ms = 5.1 17.0 1.50	MDJ 56.5 10 -P 12 52 15.0 -1.2
BJI	41.9	22	cP	10 58 16.0 1.0	WMQ 61.4 335 -P 12 52 50.4 -0.1
			epP	10 58 24.0 0.6	KSH 63.9 325 cP 12 53 08.0 1.0
			esS	11 04 49.0 3.4	
			LN	Ms = 4.8 17.0 0.76	
KSH	42.3	335	cP	10 58 20.0 1.4	
			cPP	11 00 01.0 1.4	
WMQ	42.9	350	+iP	10 58 23.5 0.7	
			pP	10 58 31.0 -0.1	
			S	11 04 45.0 0.5	
			LE	Ms = 4.8 20.0 0.87	
SNY	46.5	27	eP	10 58 51.1 -0.8	
			csS	11 05 52.0 0.0	
			LE	Ms = 5.3 16.0 1.75	
CN2	48.9	27	+P	10 59 09.6 -1.1	
			pP	10 59 17.0 -2.0	
			eS	11 06 07.0 -5.0	
			LZ	Ms = 5.3 16.0 1.50	
MDJ	51.5	29	eP	10 59 30.0 -0.3	
			pP	10 59 39.0 0.3	
			S	11 06 44.0 -2.5	
1985 12 3					
				O = 17 52 23.9 ± 0.24s	
				LAT = 6.94 N ± 3.75km	
				LONG = 72.97 W ± 3.16km	
				DEPTH = 154 km ± 2.54km	
				STATIONS USED = 37, STAND DEV = 2.57s	
WMQ	126.5	17	+PKP	18 11 10.3 0.3	
CN2	126.8	343	cPKP	18 11 09.6 -0.8	
HHC	132.3	355	cPKP	18 11 22.0 0.9	
BTO	132.6	357	cPKP	18 11 22.4 0.7	
GTA	133.4	8	+PKP	18 11 25.9 2.7	
LZH	137.1	4	cPKP	18 11 31.5 1.5	
XAN	139.2	358	PKP	18 11 28.8 -5.0	
CD2	142.2	5	cPKP	18 11 35.5 -3.7	
GYA	146.8	1	PKP	18 11 48.6 1.6	
			pPKP	18 12 32.0 5.5	
KMI	147.9	7	cPKP	18 11 50.0 1.1	

02.0	0.21	SME	01 46 40.5	-0.8	$m_b = 5.3$	7.0	0.39
GZH	0.25.6	265	cP	01 51 23.6	8	4.0	
TIY	25.8	299	P	01 46 45.0		1.3	
08.0	0.21	SME	01 51 09.5	1.7			
		sS	01 51 23.5	-0.2			
		LN			$M_s = 4.4$	11.0	0.26
		LE				11.0	0.25
XAN	28.1	290	cP	01 47 06.0	1.1		
			cS	01 51 47.0	0.6		
BTO	28.3	304	cP	01 47 06.0	1.0		
			cS	01 51 49.0	1.2		
CD2	32.5	284	cP	01 47 46.0	1.9		
GTA	35.8	299	cP	01 48 10.0	2.5		
1985 12 4							
O = 02 50 40.6 ± 0.13s							
LAT = 5.61 S ± 1.04km							
LONG = 149.87 E ± 1.42km							
DEPTH = 118 km ± 0.92km							
STATIONS USED = 42, STAND DEV = 1.32s							
QZH	43.0	316	cP	02 58 30.7	0.5		
WHN	49.5	319	P	02 59 22.0		0.7	
DL2	51.4	332	cP	02 59 36.8	0.6		
TIA	51.7	326	cP	02 59 38.5		0.4	
MDJ	53.2	342	-P	02 59 49.6	0.1		
CN2	53.9	338	cP	02 59 54.5		0.0	
BJI	55.0	329	cP	03 00 03.0		0.5	
KMI	55.1	306	cP	03 00 04.0		0.9	
XAN	55.2	319	P	03 00 04.0	-0.3		
CD2	57.6	312	cP	03 00 15.6		-1.8	
LZH	59.8	318	P	03 00 37.5		1.0	
GTA	64.3	319	P	03 01 05.0		-1.4	
1985 12 4							
O = 04 52 36.6 ± 0.15s							
LAT = 43.49 N ± 1.62km							
LONG = 85.07 E ± 1.35km							
DEPTH = 20 km ± 0.24km							
STATIONS USED = 48, STAND DEV = 3.55s							
WMQ	1.9	79	-Pg	04 53 13.8		2.8	
			Sg	04 53 43.6		6.2	
KSH	7.9	243	cPg	04 55 02.4		5.5	
GTA	11.8	105	cP	04 55 25.0		-2.2	
08.0	0.01	LG	04 58 49.0		2.2		
		SMN			1.0	0.030	
42.0	0.2	SME			1.0	0.030	

1985 12 4							
O = 11 03 28.1 ± 0.15s							
LAT = 13.92 S ± 2.14km							
LONG = 166.21 E ± 2.46km							
DEPTH = 35 km ± 0.55km							
STATIONS USED = 32, STAND DEV = 1.94s							
$M_s = 5.0 / 1,$							
NJ2	64.4	316	+P	11 14 04.4		1.0	
WHN	66.6	312	cP	11 14 18.5		0.7	
CN2	68.4	329	+P	11 14 30.0		0.9	
			cS	11 23 28.0		0.8	
			LZ		$M_s = 5.0$	15.0	0.40
GYA	70.4	305	cP	11 14 40.8		-0.6	
BJI	71.0	322	cP	11 14 45.0		0.2	
TIY	72.0	318	cP	11 14 51.0		0.3	
XAN	72.4	313	cP	11 14 52.0		-1.2	
HHC	74.3	320	cP	11 15 04.2		-0.3	
BTO	75.1	319	cP	11 15 06.2		-3.2	
LZH	77.0	313	cP	11 15 20.0		-0.2	
GTA	81.4	314	P	11 15 44.2		0.5	
WMQ	91.4	315	cP	11 16 32.5		-0.5	
1985 12 4							
O = 13 53 04.6 ± 0.11s							
LAT = 0.42 N ± 0.85km							
LONG = 98.87 E ± 4.69km							
DEPTH = 82 km ± 1.29km							
STATIONS USED = 15, STAND DEV = 1.53s							
GYA	27.0	16	cP	13 58 41.8		1.0	
XAN	34.7	15	P	13 59 48.6		-0.7	
GTA	38.8	1	cP	14 00 23.6		0.1	
BTO	41.3	13	cP	14 00 45.2		1.5	
HHC	41.9	14	+P	14 00 50.8		2.1	
BJI	42.5	20	cP	14 00 55.0		1.5	
DL2	43.6	26	cP	14 01 00.0		-2.8	
WMQ	44.3	348	cP	14 01 07.3		-1.6	
CN2	49.3	25	+P	14 01 46.5		-0.9	
			pP	14 02 07.4		0.4	
1985 12 4							
O = 17 06 48.6 ± 0.09s							
LAT = 19.82 S ± 1.81km							
LONG = 177.14 W ± 0.93km							
DEPTH = 341 km ± 1.12km							
STATIONS USED = 25, STAND DEV = 1.31s							
MDJ	80.4	325	cP	17 18 24.8		-0.2	
CN2	82.3	322	cP	17 18 33.4		-1.1	
GYA	87.0	299	cP	17 18 59.0		1.0	
TIY	87.4	312	cP	17 19 01.0		1.0	
XAN	88.4	307	P	17 19 05.0		0.7	



1985 12 4
O = 17 42 54.0 ± 0.16s
LAT = 28.15 N ± 3.64km
LONG = 140.71 E ± 3.13km
DEPTH = 37 km ± 1.50km
STATIONS USED = 20, STAND DEV = 2.26s
M_s = 4.2 / 6, m_B = 5.4 / 8

SSE	17.2	285	P	17 46 54.0	0.3
			cS	17 50 06.0	3.5
			sS	17 50 17.0	1.8
			SS	17 50 27.0	3.6
			LN	M _s = 4.2	12.0 0.54
MDJ	18.7	335	+P	17 47 09.0	-2.7
			S	17 50 32.0	-2.7
DL2	19.1	309	+P	17 47 18.5	1.3
			S	17 50 53.0	7.9
NJ2	19.3	287	+iP	17 47 20.0	1.1
			PMZ	m _B = 5.5	4.0 1.00
			sS	17 51 03.5	1.3
CN2	19.9	326	-P	17 47 22.0	-3.0
			pP	17 47 32.0	-1.8
			S	17 50 58.0	-2.9
			LE	M _s = 4.4	10.0 0.50
TIA	21.5	298	cP	17 47 41.5	-0.3
WHN	23.1	282	cP	17 47 57.5	-0.2
			PMZ	m _B = 5.5	5.0 1.15
			PP	17 48 34.0	6.2
			sS	17 52 13.0	-4.9
			LN	M _s = 4.2	10.0 0.30
BJI	23.4	307	cP	17 48 02.0	0.8
			PMZ	m _B = 5.0	5.0 0.33
			cS	17 52 15.0	6.5
			SMN	m _B = 5.2	6.0 0.34
			SME		7.0 0.30
TIY	25.5	299	cP	17 48 20.5	-0.5
			sS	17 53 02.0	2.6
			LE	M _s = 4.2	15.0 0.32
XAN	27.8	290	cP	17 48 40.8	-1.3
BTO	28.1	304	cP	17 48 45.0	0.3
			cS	17 53 29.0	3.5
			LN	M _s = 4.5	14.0 0.40
			LE		14.0 0.40
CD2	32.2	284	cP	17 49 20.7	-0.4
GTA	35.5	299	cP	17 49 48.0	-2.1

1985 12 5
O = 03 22 15.0 ± 0.20s
LAT = 24.28 N ± 0.90km
LONG = 122.74 E ± 3.50km

DEPTH = 10 km
STATIONS USED = 26, STAND DEV = 4.19s
M_L = 3.4 / 5, M_s = 3.6

SSE	16.9	349	cP	03 24 01.0	1.7
			LG ₂	03 25 58.6	5.0
			SME		1.2 0.029
			M _L	3.6	

1985 12 5
O = 08 25 45.6 ± 0.18s
LAT = 34.88 S ± 15.44km
LONG = 108.70 W ± 8.12km
DEPTH = 10 km
STATIONS USED = 20, STAND DEV = 3.33s
M_L = 3.4 / 2, M_s = 3.6

BJI	144.3	292	cPKP	08 45 20.5	-2.6
TIY	146.9	287	cPKP	08 45 29.0	1.3
HHC	147.9	293	cPKP	08 45 31.0	1.7
GYA	148.6	264	PKP ₂	08 45 35.6	1.4
BTO	149.0	292	cPKP	08 45 32.6	1.4
XAN	149.1	279	cPKP	08 45 28.6	-2.6
KMI	151.2	259	cPKP ₂	08 45 41.0	1.5
CD2	152.5	271	PKP ₁	08 45 36.0	-0.4
GTA	156.9	290	cPKP	08 45 41.0	-1.4

1985 12 5
O = 09 46 30.9 ± 10.09s
LAT = 29.38 N ± 10.89km
LONG = 102.21 E ± 0.62km
DEPTH = 24 km ± 0.28km
STATIONS USED = 26, STAND DEV = 4.14s
M_L = 3.4 / 2, M_s = 3.6

CD2	2.0	41	cPg	08 09 47 05.8	-1.4
			Sg	08 09 47 32.0	+3.0
			SMN		M _L = 3.6 0.6 0.51
			SME		0.4 0.50
KMI	4.3	173	cPg	08 09 47 44.0	-2.6
GYA	4.9	125	cPn	08 09 47 45.8	2.1
			Sn	08 20 09 48 46.8	15.4
			SMN		M _L = 3.1 1.2 0.030
			SME		1.2 0.020

1985 12 5
O = 11 35 03.0 ± 0.10s
LAT = 21.98 N ± 1.57km
LONG = 121.92 E ± 1.12km
DEPTH = 124 km ± 1.19km
STATIONS USED = 55, STAND DEV = 1.72s
M_L = 4.5 / 12, M_s = 4.4

QZH	0.4	2	iP ₀	11 36 04.8	-2.3
			SMN		M _L = 4.4 0.4 0.74
			SME		0.4 0.60

LAT = 13.81 S ± 1.08km

LONG = 166.01 E ± 1.39km

DEPTH = 47 km ± 0.57km

STATIONS USED = 25, STAND DEV = 1.24s

NJ2	64.2	316	+P	13 12 39.2	0.0
WHN	66.4	312	+P	13 12 53.0	-0.7
CN2	68.2	330	-P	13 13 04.4	-0.7
GYA	70.2	305	P	13 13 17.6	0.3
BJI	70.8	322	cP	13 13 20.0	-0.7
TIY	71.8	318	cP	13 13 25.3	-1.4
XAN	72.2	313	-iP	13 13 28.8	-0.3
CD2	74.5	308	cP	13 13 40.8	-1.9
LZH	76.8	313	cP	13 13 57.5	1.4
GTA	81.2	314	P	13 14 20.0	0.3

1985 12 5

O = 14 59 59.1 ± 0.07s

LAT = 37.01 N ± 1.41km

LONG = 116.10 W ± 1.37km

DEPTH = 10 km

STATIONS USED = 26, STAND DEV = 1.10s

MDJ	79.4	319	-P	15 12 07.5	-0.4
CN2	82.1	320	cP	15 12 21.0	-1.4
SNY	84.5	320	-iP	15 12 35.6	1.1
HHC	91.1	326	+P	15 13 07.0	0.7
BTO	92.0	327	cP	15 13 10.2	-0.2
TIY	93.2	323	cP	15 13 15.4	-0.6
XAN	97.8	324	cP	15 13 34.4	-2.7

1985 12 5

O = 18 27 38.0 ± 0.10s

LAT = 20.58 S ± 1.91km

LONG = 178.30 W ± 0.98km

DEPTH = 563 km ± 1.64km

STATIONS USED = 36, STAND DEV = 1.32s

GZH	79.5	299	-P	18 38 50.0	1.5
NJ2	79.7	310	+iP	18 38 50.3	0.7
MDJ	80.4	325	-P	18 38 53.0	-0.3
SNY	82.1	320	-P	18 39 01.4	-0.3
CN2	82.2	323	-P	18 39 01.4	-0.9
BJI	85.7	316	cP	18 39 20.0	0.2
GYA	86.4	300	P	18 39 24.2	1.0
XAN	88.0	307	-iP	18 39 30.8	0.5
KMI	89.1	297	-P	18 39 37.0	1.0
HHC	89.2	314	+P	18 39 36.8	0.6
BTO	90.1	314	cP	18 39 36.8	-3.6
GTA	96.8	309	P	18 40 10.8	-0.1

1985 12 5

O = 21 30 45.7 ± 0.11s

LAT = 13.97 S ± 1.46km

LONG = 166.44 E ± 1.86km

DEPTH = 20 km ± 0.84km

STATIONS USED = 18, STAND DEV = 1.76s

SNY	68.1	327	cP	21 41 48.0	0.8
CN2	68.6	329	cP	21 41 55.0	5.0
BJI	71.2	321	cP	21 42 05.0	-0.9
TIY	72.2	318	P	21 42 12.6	0.8
XAN	72.6	313	cP	21 42 14.2	-0.2
CD2	74.9	308	P	21 42 25.8	-2.1
GTA	81.6	314	P	21 43 05.0	0.4

1985 12 5

O = 23 09 33.2 ± 0.10s

LAT = 28.46 N ± 2.85km

LONG = 141.34 E ± 5.09km

DEPTH = 42 km ± 2.91km

STATIONS USED = 24, STAND DEV = 2.68s

Ms = 4.2 / 5, m_B = 5.3 / 8

SSE	17.7	283	P	23 13 38.0	-0.4
			SS	23 17 12.0	-1.6
			LN	Ms = 4.4	10.0 0.64
DL2	19.4	308	cP	23 14 00.0	1.3
SNY	19.7	317	cP	23 14 00.0	-1.7
			pP	23 14 10.0	-1.1
			csS	23 17 47.0	-2.8
			LE	Ms = 4.1	15.0 0.41
NJ2	19.7	286	+iP	23 14 02.5	0.0
			PMZ	m _B = 5.5	5.5 1.30
			csS	23 17 49.0	-2.6
CN2	19.9	324	cP	23 14 00.0	-4.5
QZH	20.6	265	+P	23 14 10.0	-1.7
TIA	21.8	297	cP	23 14 25.2	1.1
			PMZ	m _B = 5.1	5.0 0.49
WHN	23.6	282	cP	23 14 43.0	1.9
			PMZ	m _B = 5.5	6.0 1.13
			cS	23 18 53.0	4.2
			SME	m _B = 5.2	9.0 0.64
BJI	23.7	306	cP	23 14 39.0	-3.5
			cS	23 18 52.0	0.7
			SMN	m _B = 5.3	7.0 0.44
			SME		8.0 0.43
			cSS	23 19 41.0	0.2
TIY	25.8	298	cP	23 15 03.5	0.6
			S	23 19 27.5	1.1
			LE	Ms = 4.2	10.0 0.23
HHC	27.3	305	cP	23 15 15.6	-0.9
XAN	28.2	290	cP	23 15 23.0	-1.5
BTO	28.4	304	(P)	23 15 18.0	-8.0
CD2	32.6	284	cP	23 16 01.8	-2.1

GTA	35.9	299	P	23 16 33.2	1.6				
1985 12 6									
O=00 56 57.6				± 0.53s					
LAT=21.55 N				± 3.86km					
LONG= 99.82 E				± 1.76km					
DEPTH= 10 km									
STATIONS USED = 6,				STAND DEV = 2.75s					
M _L =4.7 / 2,									
KMI	4.5	37	-Pg	00 58 15.5	-1.1				
			Sg	00 59 08.5	-8.8				
GYA	7.9	51	cPg	00 59 16.0	-2.1				
1985 12 6									
O=02 07 27.6				± 0.15s					
LAT=59.54 S				± 4.26km					
LONG= 26.20 W				± 3.94km					
DEPTH= 32 km				± 0.56km					
STATIONS USED = 26,				STAND DEV = 3.35s					
GTA	140.9	96	-PKP	02 26 57.8	2.0				
XAN	141.2	111	PKP	02 26 55.2	-1.0				
TIY	145.8	111	cPKP	02 27 03.0	-1.3				
TIA	146.8	118	cPKP	02 27 07.5	1.7				
BJI	149.5	113	cPKP	02 27 14.0	3.9				
CN2	156.7	120	cPKP	02 27 20.0	-0.3				
1985 12 6									
O=05 00 02.3				± 0.07s					
LAT=29.25 N				± 0.57km					
LONG=102.42 E				± 0.55km					
DEPTH= 19 km				± 0.23km					
STATIONS USED = 8,				STAND DEV = 1.85s					
M _L =3.2 / 3,									
CD2	2.0	35	+iPg	05 00 39.4	1.2				
			Sg	05 01 08.9	3.0				
			SMN	M _L =3.3	0.6	0.23			
			SME		0.8	0.31			
GYA	4.7	125	Pn	05 01 14.4	1.9				
			SMN	M _L =3.2	1.4	0.020			
			SME		1.4	0.050			
XAN	7.3	48	cPn	05 01 48.5	-0.3				
1985 12 6									
O=07 04 41.3				± 0.07s					
LAT=36.57 N				± 1.22km					
LONG= 70.83 E				± 1.10km					
DEPTH=191 km				± 0.72km					
STATIONS USED = 24,				STAND DEV = 1.72s					
M _L =4.7 / 2,									
KSH	5.0	53	-iP	07 05 58.0	1.8				
WMQ	14.8	55	P	07 08 00.5	-1.9				
LSA	18.3	106	-P	07 08 44.4	0.1				
GTA	23.0	74	+P	07 09 30.4	0.0				
1985 12 6									
O=12 33 21.3				± 0.12s					
LAT=49.93 N				± 2.80km					
LONG=156.85 E				± 2.00km					
DEPTH= 36 km				± 0.27km					
STATIONS USED = 60,				STAND DEV = 1.18s					
M _s =4.5 / 5,									
MDJ	19.2	264	-P	12 37 43.6	-1.4				
CN2	22.2	266	cP	12 38 13.5	-3.0				
			cS	12 42 06.0	-8.1				
			LZ	M _s =4.4	16.0	0.80			
SNY	24.4	263	cP	12 38 37.4	-0.2				
BJI	30.1	267	cP	12 39 29.0	-0.9				
TIA	31.7	260	cP	12 39 44.8	0.6				
SSE	32.6	248	cP	12 39 53.0	1.1				
			PMZ				1.0	0.070	
			sS	12 45 20.0	-0.6				
			LN	M _s =4.7	18.0	0.94			
HHC	32.6	271	cP	12 39 51.6	-0.9				
NJ2	33.3	252	+P	12 39 58.0	-0.4				
			LZ	M _s =4.5	20.0	0.60			
BTO	33.8	272	cP	12 39 58.0	-4.3				
TIY	33.8	266	cP	12 40 03.0	0.4				
			eS	12 45 14.0	-9.3				
			LE	M _s =4.5	15.0	0.43			
WHN	37.2	255	+P	12 40 31.0	0.0				
XAN	38.3	264	cP	12 40 39.0	-1.7				
GTA	41.0	278	+P	12 41 03.5	0.5				
			LZ	M _s =4.9	16.0	0.88			
GZH	43.2	248	-iP	12 41 20.8	-0.1				
CD2	43.6	265	+iP	12 41 25.6	0.9				
			PMZ				0.8	0.030	
GYA	44.8	258	+P	12 41 35.2	0.8				
WMQ	46.1	290	+iP	12 41 45.6	0.9				
KMI	48.3	260	+P	12 42 01.5	-0.1				
QZN	48.4	248	cP	12 42 03.4	1.2				
1985 12 6									
O=16 44 59.9				± 1.43s					
LAT=34.31 S				± 13.76km					
LONG=111.79 W				± 40.08km					
DEPTH= 18 km				± 5.18km					
STATIONS USED = 18,				STAND DEV = 2.81s					
TIY	144.3	289	+iPKP	17 04 32.8	-3.3				
GYA	146.1	267	PKP	17 04 38.8	-0.4				
XAN	146.5	281	cPKP	17 04 38.6	-1.2				

KMI	148.8	262	-PKP	17 04 45.0	1.3
CD2	150.0	274	cPKP	17 04 48.4	3.0
LZH	150.9	284	cPKP	17 04 51.0	4.0

SSE	19.8	239	cP	20 43 46.9	2.5
			S	20 47 15.0	1.3
			SMN	$m_B = 5.3$	10.0 0.95
			PcP	20 47 58.0	2.7
			cPcS	20 51 36.0	4.7
			LN		15.0 0.58

1985 12 6

O = 17 57 30.7 ± 0.22s
 LAT = 27.76 N ± 3.10km
 LONG = 141.63 E ± 6.42km
 DEPTH = 58 km ± 2.72km
 STATIONS USED = 11, STAND DEV = 3.16s
 $M_s = 4.4 / 1, m_B = 5.1 / 3$

NJ2	20.2	288	+P	18 02 03.5	0.1
TIA	22.4	298	cP	18 02 23.5	-2.0
			PMZ	$m_B = 5.1$	5.0 0.49
BJI	24.3	307	cP	18 02 42.5	-1.9
			cS	18 07 03.0	6.5
			SME	$m_B = 5.1$	9.0 0.41
			cSS	18 07 55.0	3.1
TIY	26.4	300	cP	18 03 05.0	1.0
			PMZ	$m_B = 5.7$	5.0 1.01
			LE	$M_s = 4.4$	11.0 0.37
XAN	28.7	291	c(P)	18 03 18.0	-6.7
GYA	31.1	276	cP	18 03 48.4	2.2
CD2	33.1	285	cP	18 04 04.1	0.7
GTA	36.4	300	cP	18 04 29.3	-2.9

NJ2	20.7	245	+P	20 43 52.2	-1.2
			S	20 47 28.0	-2.3
HHC	22.0	274	cP	20 44 05.0	-1.1
TIY	22.4	266	cP	20 44 09.4	-0.5
			SS	20 48 56.0	0.1
			LE		10.0 0.35
BTO	23.2	274	cP	20 44 15.0	-2.7
			cpP	20 44 47.0	-1.6
			csP	20 45 07.0	-0.7
			cS	20 48 08.5	-6.1
WHN	24.7	248	cP	20 44 33.0	1.3
XAN	26.6	261	cP	20 44 48.6	-0.8
			cS	20 49 15.0	4.1
LZH	29.4	269	cP	20 45 14.0	-0.4
GZH	30.4	238	-iP	20 45 25.9	2.2
GTA	31.0	277	P	20 45 28.5	-0.5
			S	20 50 21.3	1.1
			ScP	20 51 48.6	1.8
			ScS	20 55 44.3	1.6
CD2	31.9	260	P	20 45 36.4	-0.6
			ScS	20 55 48.9	1.5
GYA	32.5	250	+P	20 45 42.0	0.0
			sP	20 46 34.0	0.5
			S	20 50 42.0	-1.6
			ScS	20 55 51.0	0.7
QZN	35.6	237	cP	20 46 10.0	1.7
KMI	36.1	253	+P	20 46 13.0	0.5
WMQ	38.2	290	-iP	20 46 30.2	0.3
			PMZ		1.5 0.11
			S	20 52 12.0	1.7
			sS	20 53 13.0	2.1
LSA	41.8	268	P	20 47 00.4	0.6
			S	20 53 06.5	2.9
			SME	$m_B = 5.7$	4.0 0.55

1985 12 6

O = 20 39 23.7 ± 0.07s
 LAT = 43.14 N ± 1.82km
 LONG = 141.08 E ± 1.20km
 DEPTH = 159 km ± 0.88km
 STATIONS USED = 65, STAND DEV = 1.50s
 $m_B = 5.3 / 5$

MDJ	8.4	284	-P	20 41 25.0	1.2
			PMZ		2.0 0.90
			S	20 43 01.0	3.6
CN2	11.4	279	-iP	20 42 02.5	-0.1
			PMZ	$m_B = 5.5$	5.0 0.80
			sP	20 42 43.0	0.7
			cS	20 44 07.0	-0.4
			LN		8.0 1.30
SNY	13.0	270	cP	20 42 24.2	0.8
			PMZ	$m_B = 5.1$	8.0 0.43
			sP	20 43 07.0	2.8
			S	20 44 51.0	6.6
BJI	18.9	269	cP	20 43 33.0	-1.3
			cS	20 47 05.0	9.2
			SMN	$m_B = 5.2$	7.0 0.61
			ScS	20 54 54.0	0.9
TIA	19.7	257	cP	20 43 40.7	-1.8

1985 12 6

O = 22 26 24.9 ± 0.16s
 LAT = 1.61 S ± 2.71km
 LONG = 135.00 E ± 2.94km
 DEPTH = 22 km ± 0.39km
 STATIONS USED = 74, STAND DEV = 2.02s
 $M_s = 5.9 / 21, m_B = 6.0 / 19$

QZH	30.8	330	cP	22 32 38.0	-3.8
			PMZ	$m_B = 6.0$	6.0 1.79

1985 12 7

O = 10 56 20.5 ± 0.14s
 LAT = 51.21 N ± 0.98km
 LONG = 176.71 W ± 1.03km
 DEPTH = 44 km ± 1.27km
 STATIONS USED = 19, STAND DEV = 1.32s

BJI	46.7	284	cP	11 04 47.0	-0.3
HHC	49.0	287	-P	11 05 06.2	0.8
BTO	50.1	288	cP	11 05 10.6	-3.1
TIY	50.4	284	-P	11 05 16.8	0.5
XAN	55.0	282	cP	11 05 48.8	-1.5
CD2	60.3	283	P	11 06 27.2	-0.5

1985 12 7

O = 15 27 02.2 ± 0.11s
 LAT = 39.72 N ± 1.25km
 LONG = 100.73 E ± 0.99km
 DEPTH = 18 km ± 0.77km
 STATIONS USED = 18, STAND DEV = 3.34s

$M_L = 4.1 / 10,$

GTA	0.8	247	+iPg	15 27 15.0	-1.3
			Sg	15 27 24.0	-3.0
			SMN	$M_L = 4.1$	0.1 5.49
			SME		0.1 5.70
LZH	4.4	145	cPg	15 28 20.0	0.2
			Sg	15 29 13.0	-6.4
BTO	7.2	80	Pn	15 28 49.3	2.5
			LG ₁	15 30 44.6	-2.6
XAN	8.7	128	cP	15 29 09.0	-1.0
			SMN	$M_L = 3.7$	1.0 0.020
			SME		1.0 0.010
TIY	9.4	99	cP	15 29 20.7	1.1
			S	15 31 06.6	1.4
			SMN		1.2 0.090
			SME		1.0 0.030
WMQ	10.6	297	cP	15 29 35.4	-0.9
			SMN		1.0 0.040
			SME		0.8 0.040

1985 12 7

O = 16 48 30.3 ± 0.16s
 LAT = 28.29 N ± 3.50km
 LONG = 140.69 E ± 3.74km
 DEPTH = 32 km ± 2.00km
 STATIONS USED = 20, STAND DEV = 2.70s

$M_s = 4.3 / 6,$ $m_B = 5.4 / 4$

SSE	17.2	284	-P	16 52 28.0	-1.6
			LN	$M_s = 4.2$	12.0 0.54
MDJ	18.5	334	cP	16 52 44.0	-2.7
DL2	19.0	309	+P	16 52 54.5	1.8

			cS	16 56 22.0	1.5
NJ2	19.2	287	+P	16 52 57.5	2.6
			PMZ	$m_B = 5.5$	5.0 1.30
			sS	16 56 35.5	-1.3
SNY	19.4	319	cP	16 52 54.0	-2.7
			cS	16 56 24.0	-4.6
			LE	$M_s = 4.2$	12.0 0.48
CN2	19.7	326	-P	16 52 55.0	-5.3
			cS	16 56 27.0	-9.0
			LN	$M_s = 4.3$	9.0 0.40
QZH	20.0	266	cP	16 53 00.0	-3.5
			cS	16 56 40.0	-2.2
			LN	$M_s = 4.8$	12.0 1.76
TIA	21.4	298	cP	16 53 17.1	-0.6
WHN	23.0	282	cP	16 53 32.4	-1.5
			PMZ	$m_B = 5.6$	5.0 1.34
			cS	16 57 38.4	-0.1
			LE	$M_s = 4.6$	16.0 1.17
BJI	23.3	307	cP	16 53 38.0	1.1
			PMZ	$m_B = 5.0$	6.0 0.43
			cS	16 57 40.0	-4.0
			SMN	$m_B = 5.2$	6.0 0.34
			SME		9.0 0.41
TIY	25.4	299	cP	16 53 57.0	0.0
			sS	16 58 37.5	3.7
			LE	$M_s = 4.3$	11.0 0.31
XAN	27.7	290	cP	16 54 16.6	-1.6
BTO	28.0	304	cP	16 54 21.0	0.4
			cS	16 59 03.0	1.8

1985 12 8

O = 02 07 06.7 ± 0.16s
 LAT = 28.19 N ± 1.74km
 LONG = 140.44 E ± 1.23km
 DEPTH = 38 km ± 1.61km
 STATIONS USED = 10, STAND DEV = 4.20s

$M_s = 4.3 / 3,$

SNY	19.3	319	cP	02 11 30.0	-1.9
CN2	19.7	326	cP	02 11 33.0	-2.8
			LE	$M_s = 4.3$	10.0 0.50
TIA	21.3	298	c(P)	02 11 59.4	7.3
			LE	$M_s = 4.2$	11.0 0.33
BJI	23.2	307	cP	02 12 16.0	4.4
TIY	25.3	299	cP	02 12 34.0	2.5
			LE	$M_s = 5.2$	11.0 2.50
GTA	35.3	299	cP	02 13 57.0	-3.7

1985 12 8

O = 06 40 41.9 ± 0.16s
 LAT = 13.75 S ± 2.13km

LONG = 166.22 E ± 2.66km
 DEPTH = 34 km ± 0.52km
 STATIONS USED = 44, STAND DEV = 1.06s
 Ms = 5.3 / 1,

NJ2	64.3	316	+P	06 51 16.0	-0.6		
			pP	06 51 27.4	1.0		
			LN			Ms = 5.3	10.0 0.60
WHN	66.5	312	-P	06 51 31.5	0.4		
MDJ	66.9	332	cP	06 51 32.5	-1.3		
TIA	67.9	319	cP	06 51 39.4	-0.6		
CN2	68.3	329	P	06 51 40.4	-1.8		
			pP	06 51 51.5	-0.5		
GYA	70.3	305	P	06 51 54.8	-0.1		
			pP	06 52 06.0	1.6		
BJI	70.9	321	cP	06 51 57.0	-1.0		
TIY	71.9	318	P	06 52 03.7	-0.3		
			pP	06 52 15.0	1.4		
XAN	72.3	313	-P	06 52 05.7	-0.8		
KMI	72.9	302	-P	06 52 11.0	0.4		
			pP	06 52 22.5	2.5		
HHC	74.2	320	P	06 52 18.0	0.2		
CD2	74.6	308	cP	06 52 19.8	-0.4		
BTO	75.0	319	cP	06 52 23.5	0.9		
LZH	76.9	313	-P	06 52 33.5	0.0		
			pP	06 52 45.5	2.5		
GTA	81.3	314	-iP	06 52 57.0	-0.1		
			pP	06 53 07.5	0.9		

1985 12 8
 O = 13 34 57.2 ± 0.13s
 LAT = 30.87 N ± 1.79km
 LONG = 86.52 E ± 1.48km
 DEPTH = 16 km ± 0.18km
 STATIONS USED = 47, STAND DEV = 2.12s
 Ms = 4.8 / 15, m_B = 5.3 / 1

LSA	4.2	105	Pn	13 36 04.5	3.3		
			LE			Ms = 4.8	5.5 11.3
KSH	12.1	318	cP	13 37 50.0	-3.1		
			S	13 40 10.0	1.3		
			sS	13 40 15.0	-3.1		
			SS	13 40 24.0	1.0		
			LE			Ms = 5.4	11.0 15.0
WMQ	13.0	4	P	13 38 05.0	1.0		
			S	13 40 29.5	1.1		
			LZ			Ms = 4.3	10.0 0.98
GTA	13.8	48	P	13 38 13.5	-1.7		
			LN			Ms = 4.4	16.0 1.79
CD2	14.8	85	+iP	13 38 30.9	2.7		
			cS	13 41 18.0	5.1		
			LE			Ms = 5.1	7.0 3.10

LZH	15.4	66	cP	13 38 38.5	3.0		
KMI	15.4	108	cP	13 38 37.0	0.6		
			cS	13 41 27.0	-0.8		
			LN			Ms = 4.8	12.0 2.45
GYA	18.2	99	P	13 39 13.0	1.4		
			sP	13 39 22.0	1.5		
			S	13 42 35.0	4.1		
			LN			Ms = 4.6	10.0 1.10
XAN	19.2	75	cP	13 39 20.8	-2.2		
			sS	13 43 00.0	-1.7		
			LN			Ms = 4.6	12.0 1.25
BTO	21.3	57	cP	13 39 45.5	-1.0		
			cpP	13 39 52.5	0.1		
			cS	13 43 34.0	-4.4		
			LN			Ms = 4.8	12.0 1.40
			LE				12.0 0.60
			LZ			Ms = 4.6	12.0 1.00
TIY	22.4	65	cP	13 39 58.0	0.8		
			sS	13 44 08.5	0.4		
			LE			Ms = 5.0	9.0 1.79
HHC	22.5	57	cP	13 39 58.0	-0.4		
WHN	23.9	84	cP	13 40 12.0	0.4		
			pP	13 40 15.5	-2.3		
			cS	13 44 21.0	-3.4		
			LN			Ms = 4.9	13.0 1.60
QZN	24.2	114	cP	13 40 18.0	4.0		
			cS	13 44 31.5	2.8		
			cSS	13 45 23.0	3.3		
			LN			Ms = 4.7	14.0 0.90
			LE				13.0 0.70
GZH	25.1	101	cP	13 40 24.0	1.0		
			S	13 44 44.0	0.3		
			SME			m _B = 5.3	10.0 0.86
			LN			Ms = 5.2	8.0 1.89
			LE				8.0 0.72
BJI	25.7	61	cP	13 40 29.5	0.4		
			pP	13 40 33.5	-1.8		
SNY	31.6	59	cP	13 41 20.9	-0.8		
CN2	33.2	56	P	13 41 34.8	-1.4		
			pP	13 41 39.0	-3.5		
			cS	13 46 50.0	-4.8		
			LN			Ms = 5.2	18.0 2.60

1985 12 8
 O = 13 36 33.6 ± 0.09s
 LAT = 30.96 N ± 2.09km
 LONG = 86.53 E ± 1.31km
 DEPTH = 32 km ± 0.32km
 STATIONS USED = 26, STAND DEV = 1.75s
 Ms = 4.9 / 5, m_B = 5.0 / 2

XAN	61.5	289	P	15 49 27.2	-0.5
GTA	62.4	300	+P	15 49 33.0	-0.7
CD2	66.8	291	cP	15 50 02.7	0.9
GYA	68.6	286	P	15 50 13.0	-0.1

1985 12 8

O = 23 10 57.9 ± 0.08s

LAT = 37.03 N ± 1.64km

LONG = 71.27 E ± 1.50km

DEPTH = 25 km ± 0.69km

STATIONS USED = 34, STAND DEV = 2.26s

M_L = 4.9 / 3,

KSH	4.4	55	cPg	23 12 15.0	-1.4
			Sn	23 13 04.0	7.4
			SMN	M _L = 5.5	1.0 7.40

WMQ 14.2 56 P 23 14 21.0 0.9

LSA 18.1 108 cP 23 15 09.2 -1.2

GTA 22.5 75 -P 23 15 58.0 0.5

LZH 26.1 82 cP 23 16 31.5 -0.7

CD2 27.5 93 P 23 16 45.0 -0.2

XAN 30.7 84 +P 23 17 11.0 -2.0

GYA 31.7 99 P 23 17 21.6 -1.0

TIY 32.5 76 P 23 17 28.5 -1.1

WHN 36.1 87 cP 23 18 00.0 -0.5

NJ2 39.2 83 -P 23 18 25.4 -0.6

SSE 41.4 83 cP 23 18 43.6 -0.6

1985 12 9

O = 02 20 44.1 ± 0.47s

LAT = 24.99 N ± 2.62km

LONG = 122.26 E ± 3.08km

DEPTH = 10 km

STATIONS USED = 9, STAND DEV = 3.43s

M_L = 3.5 / 11,

QZH	3.3	270	cPn	02 21 36.8	0.1
			Sn	02 22 22.4	4.1
			SMN	M _L = 3.5	0.6 0.17
			SME		0.7 0.11

NJ2 7.6 338 cP 02 22 36.0 -2.4

CD2 17.4 294 cP 02 24 54.3 5.7

1985 12 9

O = 04 11 35.5 ± 0.08s

LAT = 28.29 N ± 2.61km

LONG = 140.61 E ± 1.95km

DEPTH = 29 km ± 1.27km

STATIONS USED = 17, STAND DEV = 1.97s

M_s = 4.2 / 1,

SSE 17.1 284 P 04 15 33.0 -1.3

CN2	19.7	326	cP	04 16 04.0	-1.5
QZH	20.0	265	P	04 16 08.0	-0.4
			SS	04 20 08.0	-6.0
BJI	23.3	307	cP	04 16 43.0	1.0
			csS	04 21 01.0	-1.3
TIY	25.3	299	cP	04 17 01.4	-0.6
			sS	04 21 41.0	3.3
			LE	M _s = 4.2	12.0 0.31

HHC 26.9 305 cP 04 17 15.2 -1.0

XAN 27.6 290 cP 04 17 22.0 -1.2

BTO 27.9 304 cP 04 17 25.2 -0.5

CD2 32.1 284 cP 04 18 05.2 2.8

GTA 35.4 299 cP 04 18 28.4 -2.8

1985 12 9

O = 11 58 29.0 ± 0.07s

LAT = 5.64 S ± 1.36km

LONG = 105.68 E ± 1.97km

DEPTH = 160 km ± 0.26km

STATIONS USED = 39, STAND DEV = 1.06s

QZN 24.9 9 cP 12 03 40.6 2.1

GYA 31.9 2 P 12 04 43.0 0.9

pP 12 05 17.0 1.7

sP 12 05 32.4 -1.6

S 12 09 47.0 7.5

CD2 36.4 357 P 12 05 20.2 0.2

cS 12 10 51.5 2.1

LSA 37.8 339 -P 12 05 31.5 -0.9

XAN 39.6 4 -P 12 05 46.7 0.0

pP 12 06 21.0 -0.1

LZH 41.5 358 cP 12 06 03.5 0.6

TIY 43.6 8 cP 12 06 19.3 0.0

GTA 45.2 354 -iP 12 06 32.2 0.3

BTO 46.2 5 cP 12 06 39.4 -0.6

BJI 46.5 11 cP 12 06 42.5 0.4

pP 12 07 16.0 -1.4

ScP 12 11 51.0 0.5

HHC 46.6 6 P 12 06 43.5 0.4

WMQ 51.8 343 P 12 07 22.4 -1.0

CN2 52.4 18 -P 12 07 26.0 -1.1

pP 12 08 01.0 -2.1

MDJ 54.4 21 +iP 12 07 41.1 -1.4

1985 12 9

O = 13 20 23.1 ± 0.07s

LAT = 31.86 N ± 1.36km

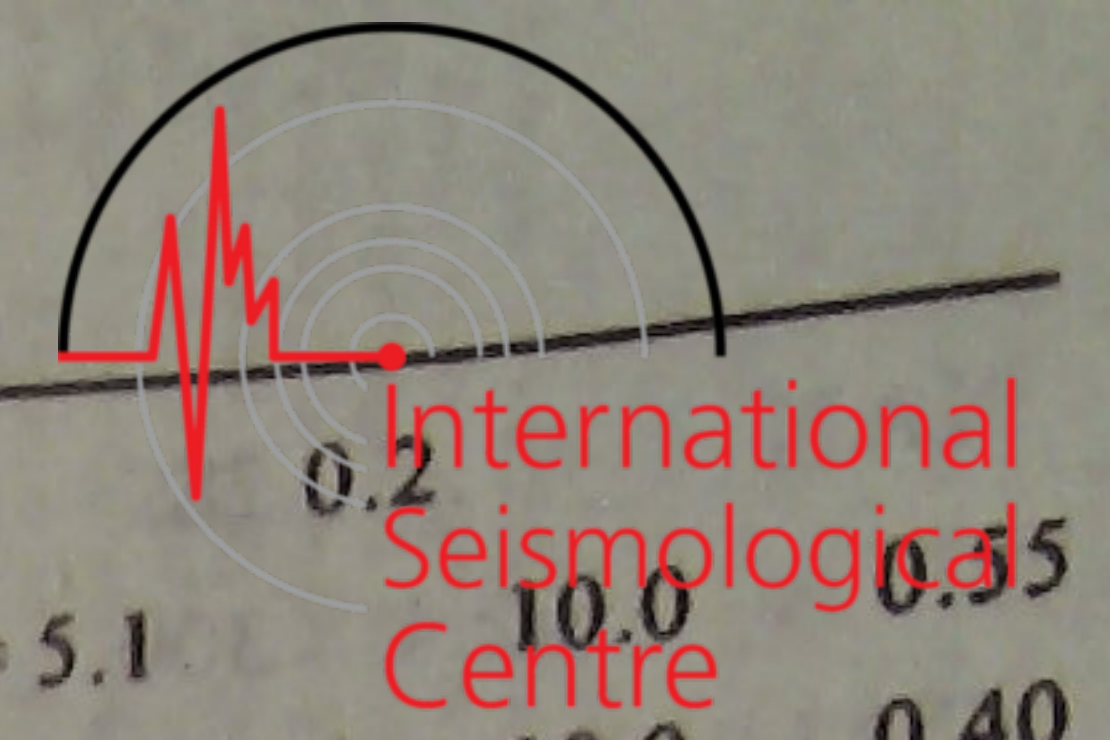
LONG = 56.05 E ± 0.83km

DEPTH = 34 km ± 0.21km

STATIONS USED = 33, STAND DEV = 0.81s

M_s = 4.9 / 1,

December, 1985



KSH	17.9	59	eP	13 24 32.0	1.0
			S	13 27 49.0	3.3
			SS	13 28 11.0	2.4
			LN	Ms=4.9	9.0 1.83
WMQ	27.5	55	P	13 26 09.2	0.0
GTA	36.1	66	+iP	13 27 24.5	0.4
CD2	40.5	78	eP	13 28 01.0	0.2
BTO	43.8	63	eP	13 28 28.6	0.4
XAN	44.0	72	+P	13 28 29.1	-0.6
GYA	44.2	84	P	13 28 30.4	-1.0
HHC	45.0	62	+P	13 28 38.1	0.8
TIY	46.1	66	P	13 28 45.0	-1.3
			S	13 35 23.5	-4.6
BJI	48.6	63	P	13 29 05.0	-0.5
TIA	50.1	67	eP	13 29 17.1	-0.2
NJ2	52.6	72	-P	13 29 35.5	-0.6

1985 12 9

O=14 29 26.9 ± 0.08s
 LAT=18.50 S ± 0.98km
 LONG=169.25 E ± 1.43km
 DEPTH=232 km ± 0.80km

STATIONS USED = 23, STAND DEV = 1.16s

NJ2	69.7	316	eP	14 40 13.8	-0.2
MDJ	72.5	331	eP	14 40 27.5	-3.3
CN2	73.8	329	eP	14 40 37.8	-0.9
GYA	75.4	305	P	14 40 48.0	0.2
BJI	76.4	321	eP	14 40 52.5	-0.5
XAN	77.6	312	P	14 41 00.0	0.0
HHC	79.7	319	eP	14 41 11.7	0.6
CD2	79.8	307	P	14 41 12.4	0.7
BTO	80.5	318	eP	14 41 15.6	0.2
GTA	86.6	313	P	14 41 46.8	0.4

1985 12 9

O=22 12 30.9 ± 0.08s
 LAT=28.57 N ± 3.21km
 LONG=141.14 E ± 3.53km
 DEPTH=41 km ± 2.96km

STATIONS USED = 16, STAND DEV = 1.89s

Ms=4.3/3, m_B=5.3/5

SSE	17.5	283	-P	22 16 33.0	-0.7
			eS	22 19 52.0	7.0
			LN	Ms=3.6	13.0 0.14
MDJ	18.5	333	eP	22 16 44.0	-1.8
NJ2	19.5	286	+P	22 16 58.0	-0.2
CN2	19.7	325	-P	22 16 59.0	-1.2
			eS	22 20 28.0	-7.2
WHN	23.4	281	eP	22 17 38.0	1.0
			PMZ	m _B =5.6	5.0 1.34

			sP	22 17 52.0	0.2
			SME	m _B =5.1	10.0 0.55
			LN	Ms=4.7	10.0 0.40
			LE		14.0 1.02
BJI	23.5	306	eP	22 17 39.5	1.2
			PMZ	m _B =5.0	6.0 0.43
			eS	22 21 55.0	9.3
			SMN	m _B =5.3	7.0 0.39
			SME		8.0 0.46
TIY	25.6	298	P	22 17 58.0	-0.9
			PMZ	m _B =5.8	5.0 1.14
			PP	22 18 39.0	0.7
			eS	22 22 21.0	-0.9
			sS	22 22 39.0	-0.1
			LE	Ms=4.3	11.0 0.31
HHC	27.1	305	eP	22 18 12.1	-0.3
XAN	28.0	289	eP	22 18 19.8	-0.8
			eS	22 23 04.0	3.6
BTO	28.1	303	eP	22 18 22.0	0.0
			eS	22 23 04.0	1.0
GTA	35.7	299	eP	22 19 25.5	-2.2

1985 12 9

O=22 56 21.1 ± 0.07s
 LAT=33.77 N ± 0.82km
 LONG=137.10 E ± 0.92km
 DEPTH=348 km ± 1.10km

STATIONS USED = 45, STAND DEV = 1.09s

SNY	13.4	311	-P	22 59 20.4	0.0
CN2	13.5	321	eP	22 59 21.0	-1.1
SSE	13.7	263	-P	22 59 25.5	1.2
NJ2	15.4	269	-P	22 59 41.5	-1.5
BJI	17.9	297	eP	23 00 07.5	-0.6
WHN	19.5	267	eP	23 00 25.0	0.2
			eS	23 03 36.0	-6.0
TIY	20.4	288	eP	23 00 33.4	0.0
XAN	23.4	279	-P	23 01 01.7	0.1
GYA	27.3	263	+P	23 01 36.8	0.0
			S	23 05 49.0	-0.2
CD2	28.2	273	-iP	23 01 48.9	3.3
QZN	28.4	246	eP	23 01 47.5	0.8
GTA	30.3	292	-iP	23 02 03.0	-0.8
KMI	31.0	263	+P	23 02 09.5	-0.5
WMQ	39.3	300	P	23 03 20.2	1.0

1985 12 10

O=01 50 59.8 ± 0.13s
 LAT=30.13 S ± 1.49km
 LONG=179.49 W ± 1.12km
 DEPTH=338 km ± 1.11km

STATIONS USED = 22, STAND DEV = 1.52s

NJ2	85.1	311	cP	02 02 59.0	-1.1
SNY	88.8	321	-iP	02 03 17.2	-0.4
TIA	88.8	314	cP	02 03 18.7	0.7
CN2	89.1	324	-P	02 03 18.6	-0.8
GYA	90.3	301	P	02 03 25.6	0.6
BJI	91.8	316	cP	02 03 32.0	0.1
XAN	92.9	308	cP	02 03 37.5	0.4

XAN	27.8	290	cP	08 58 13.8	-0.5
GTA	35.5	299	cP	08 59 22.4	0.1

1985 12 10
O = 10 00 08.9 ± 0.08s
LAT = 43.73 N ± 1.10km
LONG = 86.72 E ± 0.75km
DEPTH = 14 km ± 0.50km

STATIONS USED = 10, STAND DEV = 2.73s
M_L = 3.8 / 6,

WMQ	0.7	82	+iPg	10 00 24.8	2.9
			Sg	10 00 36.0	4.3
GTA	10.7	109	P	10 02 43.0	-2.5
			LG ₁	10 05 47.0	1.5
			SMN		1.0 0.020

1985 12 10
O = 11 20 52.1 ± 0.08s
LAT = 44.25 N ± 2.19km
LONG = 146.94 E ± 1.31km
DEPTH = 117 km ± 0.84km

STATIONS USED = 56, STAND DEV = 1.56s
m_B = 5.0 / 2

MDJ	12.4	278	cP	11 23 46.0	0.0
CN2	15.5	276	-P	11 24 24.4	-0.9
			csP	11 24 59.0	1.0
			cS	11 27 12.0	-1.7
			LN		22.0 0.90
SNY	17.2	270	cP	11 24 47.5	0.3
BJI	23.1	270	cP	11 25 49.0	0.1
			cS	11 29 52.0	3.9
			SMN		m _B = 4.9 9.0 0.28
			csS	11 30 35.0	5.5
SSE	24.1	246	cP	11 25 55.5	-3.1
			pP	11 26 23.0	0.2
			sS	11 30 46.0	-1.7
			SS	11 31 02.0	-4.5
NJ2	25.1	251	+P	11 26 08.0	0.2
			pP	11 26 34.0	1.9
HHC	26.2	275	cP	11 26 17.6	-0.2
TIY	26.7	268	cP	11 26 23.0	0.1
			SME		m _B = 5.1 7.0 0.50
BTO	27.4	275	cP	11 26 28.0	-0.7
			csP	11 27 10.0	2.5
			cS	11 30 58.0	-0.7
XAN	31.0	264	cP	11 26 59.9	-0.9
GTA	35.1	279	+iP	11 27 36.6	0.3
			S	11 32 58.8	0.2
			SMN		2.0 0.040
			ScP	11 33 38.7	0.1

1985 12 10
O = 08 09 25.7 ± 0.05s
LAT = 36.01 N ± 0.97km
LONG = 68.88 E ± 0.69km
DEPTH = 35 km ± 0.18km

STATIONS USED = 15, STAND DEV = 1.06s
M_L = 4.6 / 1,

KSH	6.6	56	P	08 11 04.0	0.9
			cS	08 12 13.0	-4.9
			SME		2.0 2.11
WMQ	16.4	56	cP	08 13 16.5	1.5
LSA	19.7	102	-P	08 13 56.0	0.2
GTA	24.6	73	-P	08 14 45.8	0.9
XAN	32.7	82	cP	08 15 56.6	-0.9
GYA	33.5	96	P	08 16 04.6	0.0

1985 12 10
O = 08 52 25.9 ± 0.13s
LAT = 28.19 N ± 3.28km
LONG = 140.76 E ± 3.02km
DEPTH = 35 km ± 1.71km

STATIONS USED = 15, STAND DEV = 2.51s
M_S = 4.9 / 2, m_B = 5.3 / 2

NJ2	19.3	287	+P	08 56 52.5	1.3
			sS	09 00 32.5	-2.1
CN2	19.9	326	cP	08 56 52.5	-4.5
QZH	20.1	266	+P	08 56 56.0	-3.4
			cS	09 00 48.0	9.5
TIA	21.5	298	cP	08 57 13.1	-1.0
WHN	23.1	282	P	08 57 30.0	0.0
			cS	09 01 40.0	5.0
			SMN		m _B = 5.5 5.0 0.76
			SS	09 02 27.0	6.7
			LN		M _S = 5.5 12.0 6.19
BJI	23.5	307	cP	08 57 34.0	0.7
			cS	09 01 46.0	5.0
			SMN		m _B = 5.1 7.0 0.33
			SME		8.0 0.29
TIY	25.5	299	P	08 57 54.5	1.3
			sS	09 02 33.0	1.5
			LE		M _S = 4.4 9.0 0.34

			ScS	11 37 42.1	0.8
CD2	36.3	263	eP	11 27 47.2	0.4
			S	11 33 16.4	-1.3
GYA	36.9	255	P	11 27 57.0	5.2
			S	11 33 33.0	6.3
WMQ	41.8	291	+P	11 28 33.1	1.0
			PMZ		1.2 0.14
			sP	11 29 13.0	1.0
			PcS	11 34 18.5	2.3
			S	11 34 41.0	1.4
KSH	51.6	291	eP	11 29 50.0	0.9

1985 12 11

O = 02 39 32.1 ± 0.07s
 LAT = 28.18 N ± 1.99km
 LONG = 140.56 E ± 1.28km
 DEPTH = 38 km ± 1.06km
 STATIONS USED = 7, STAND DEV = 2.44s

Ms = 4.2 / 1,

SSE	17.1	284	eP	02 43 28.0	-2.0
			esS	02 46 48.0	-2.3
BJI	23.3	307	eP	02 44 41.0	3.0
TIY	25.4	299	eP	02 44 57.8	0.0
			sS	02 49 39.5	4.0
			LE	Ms = 4.2	11.0 0.25
XAN	27.6	290	eP	02 45 17.8	-1.0

1985 12 11

O = 11 03 40.2 ± 0.16s
 LAT = 51.51 N ± 4.00km
 LONG = 174.96 W ± 1.60km
 DEPTH = 33 km
 STATIONS USED = 23, STAND DEV = 1.22s

CN2	39.9	283	-P	11 11 12.0	-0.9
SNY	42.1	282	eP	11 11 32.2	0.8
BJI	47.7	284	eP	11 12 16.0	0.0
HHC	49.9	288	eP	11 12 34.0	0.3
BTO	51.0	289	eP	11 12 41.5	-0.4
NJ2	51.2	275	eP	11 12 40.0	-3.1
TIY	51.4	284	-iP	11 12 45.4	0.6
XAN	56.0	283	eP	11 13 17.6	-0.8
GTA	57.7	294	P	11 13 29.8	-1.2
WMQ	61.3	305	P	11 13 55.0	-0.3
GYA	62.7	279	eP	11 14 06.0	1.1

1985 12 11

O = 12 15 27.8 ± 0.05s
 LAT = 6.89 S ± 0.76km
 LONG = 150.16 E ± 1.53km
 DEPTH = 35 km ± 0.19km

STATIONS USED = 33, STAND DEV = 0.85s

Ms = 4.6 / 1,

QZN	47.3	304	eP	12 24 01.2	0.5
NJ2	48.9	324	+P	12 24 13.4	0.7
			LZ	Ms = 4.6	16.0 0.30
GYA	53.6	310	eP	12 24 50.0	1.3
MDJ	54.5	342	eP	12 24 54.5	-0.5
			sP	12 25 10.7	1.6
TIY	56.6	324	P	12 25 08.9	-1.4
CD2	58.2	313	eP	12 25 21.0	-0.2
GTA	65.4	319	eP	12 26 09.8	-0.4
WMQ	75.5	318	P	12 27 12.0	0.7

1985 12 11

O = 15 02 50.8 ± 0.05s
 LAT = 1.27 N ± 0.71km
 LONG = 122.57 E ± 1.06km
 DEPTH = 28 km ± 0.27km

STATIONS USED = 18, STAND DEV = 0.93s

GYA	29.3	330	P	15 08 55.0	1.0
WHN	30.1	346	eP	15 09 00.0	-0.9
CD2	34.4	331	eP	15 09 38.4	-0.2
TIY	37.4	347	P	15 10 04.3	0.2
BJI	39.0	352	eP	15 10 16.5	-0.7
MDJ	43.6	7	eP	15 10 54.8	-0.1

1985 12 11

O = 19 54 13.1 ± 0.18s
 LAT = 52.27 N ± 2.47km
 LONG = 160.33 E ± 2.02km
 DEPTH = 36 km ± 0.27km

STATIONS USED = 16, STAND DEV = 1.40s

MDJ	21.7	262	eP	19 59 00.5	-2.1
CN2	24.6	264	eP	19 59 29.5	-2.1
GTA	42.8	277	eP	20 02 08.0	-2.1
WMQ	47.4	290	P	20 02 47.5	1.3

1985 12 11

O = 21 37 06.4 ± 0.04s
 LAT = 37.77 N ± 0.36km
 LONG = 106.80 E ± 0.30km
 DEPTH = 5 km ± 0.23km

STATIONS USED = 5, STAND DEV = 3.01s

M_L = 3.1 / 2,

XAN	4.1	155	ePn	21 38 11.1	1.0
			ePg	21 38 24.8	6.0
			eSg	21 39 19.8	4.9
HHC	4.8	49	Pg	21 38 32.0	0.6
			Sg	21 39 32.4	-4.5
			SME	M _L = 3.0	0.4 0.020

1985 12 12
O = 10 04 28.8 ± 0.11s
LAT = 37.24 N ± 0.96km
LONG = 111.92 E ± 1.12km
DEPTH = 10 km ± 0.20km
STATIONS USED = 13, STAND DEV = 2.82s
M_L = 3.1 / 12,

TIY	0.6	40	+iPg	10 04 39.1	-1.0		
			Sg	10 04 48.0	-0.6		
			SMN	M _L = 3.1	0.4	0.71	
			SME			0.3	0.76
HHC	3.6	356	+Pg	10 05 31.2	-1.7		
			Sg	10 06 18.0	-4.2		
			SMN	M _L = 3.4	0.6	0.070	
			SME			0.6	0.11
XAN	4.0	218	cPn	10 05 27.1	-3.8		
			iPg	10 05 38.4	-1.3		
			Sg	10 06 30.7	-4.0		
			SMN	M _L = 2.9	0.7	0.030	
			SME			0.8	0.020
BJI	4.3	49	cPg	10 05 47.5	1.9		
			cSg	10 06 40.0	-5.0		
GTA	9.8	287	cP	10 06 54.3	1.6		
			LG ₁	10 09 37.6	2.2		

1985 12 12
O = 11 57 30.4 ± 0.22s
LAT = 27.57 N ± 3.21km
LONG = 140.35 E ± 2.39km
DEPTH = 21 km ± 0.49km
STATIONS USED = 11, STAND DEV = 4.57s
M_s = 4.2 / 2,

SSE	17.1	286	cP	12 01 28.0	-1.7		
			LE	M _s = 4.2	8.0	0.36	
DL2	19.3	311	cP	12 02 00.0	3.3		
BJI	23.5	308	cP	12 02 40.0	-0.4		
TIY	25.5	300	cP	12 02 57.6	-1.8		
			sS	12 07 39.5	4.5		
			LE	M _s = 4.3	10.0	0.29	
GTA	35.5	300	c(P)	12 04 22.0	-6.5		

1985 12 12
O = 12 38 59.4 ± 0.04s
LAT = 6.72 S ± 0.81km
LONG = 108.15 E ± 1.00km
DEPTH = 251 km ± 0.19km
STATIONS USED = 11, STAND DEV = 0.93s

XAN	40.5	1	cP	12 46 16.6	0.2		
TIY	44.4	5	cP	12 46 47.2	-0.2		

GTA 46.5 351 cP 12 47 04.8 0.4

1985 12 13
O = 01 28 00.0 ± 0.21s
LAT = 28.40 N ± 2.77km
LONG = 140.58 E ± 4.16km
DEPTH = 24 km ± 4.54km
STATIONS USED = 19, STAND DEV = 2.08s
M_s = 4.3 / 5, m_B = 5.6 / 6

SSE	17.1	284	P	01 31 58.0	-0.8		
			csS	01 35 15.0	-1.7		
			cSS	01 35 23.0	-3.8		
			LE	M _s = 4.3	10.0	0.51	
NJ2	19.1	286	+P	01 32 25.0	0.7		
			PMZ	m _B = 5.6	5.0	1.40	
			S	01 35 51.0	-1.6		
			sS	01 36 08.0	4.4		
CN2	19.6	326	-P	01 32 27.0	-2.5		
			cS	01 35 56.0	-8.1		
			LE	M _s = 4.3	11.0	0.50	
QZH	19.9	265	+P	01 32 36.5	3.0		
			S	01 36 19.5	8.5		
TIA	21.3	297	cP	01 32 47.0	-0.2		
			PMZ	m _B = 5.6	5.0	1.35	
			cPcP	01 36 47.0	-4.4		
			LE	M _s = 4.3	11.0	0.40	
WHN	22.9	282	cP	01 33 06.0	2.3		
			PMZ	m _B = 5.6	5.0	1.23	
			PP	01 33 39.0	6.4		
			cS	01 37 03.0	-5.0		
			SME	m _B = 5.2	9.0	0.74	
			LE	M _s = 4.7	20.0	1.95	
BJI	23.2	306	cP	01 33 06.0	-0.4		
			PMZ	m _B = 5.2	5.0	0.54	
			sS	01 37 24.0	-1.1		
TIY	25.3	299	cP	01 33 26.8	0.2		
			PMZ	m _B = 5.8	5.0	1.26	
			PP	01 34 06.5	2.1		
			cS	01 37 41.0	-7.7		
			sS	01 38 06.5	5.8		
			LE	M _s = 4.3	12.0	0.34	
XAN	27.6	290	cP	01 33 46.4	-1.5		
			cS	01 38 17.0	-9.5		
BTO	27.8	304	P	01 33 49.0	-1.2		
			cS	01 38 26.0	-4.6		
GTA	35.3	299	P	01 34 54.2	-1.7		

1985 12 13
O = 15 30 13.6 ± 0.07s
LAT = 36.01 N ± 2.12km

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LONG = 22.17 E ± 1.65km
 DEPTH = 36 km ± 0.76km
 STATIONS USED = 55, STAND DEV = 0.84s

WMQ	49.7	60	P	15 39 04.5	-0.1		
LSA	57.2	75	cP	15 39 59.8	-0.8		
GTA	59.7	61	+iP	15 40 16.8	-0.9		
LZH	64.0	63	P	15 40 47.0	0.5		
BTO	66.3	56	P	15 41 01.3	0.3		
CD2	66.4	68	cP	15 41 01.8	0.3		
KMI	68.4	74	+P	15 41 14.0	-0.8		
XAN	68.6	63	+iP	15 41 16.0	0.1		
TIY	69.3	58	+P	15 41 19.8	-0.2		
			PMZ			0.8	0.020
BJI	70.6	54	cP	15 41 27.5	-0.5		
GYA	70.8	71	P	15 41 29.0	-0.1		
TIA	73.3	57	cP	15 41 43.3	-0.6		
WHN	74.4	64	cP	15 41 51.0	0.8		
SNY	74.4	50	cP	15 41 49.6	-0.7		
CN2	74.4	47	+iP	15 41 49.8	-0.6		
DL2	74.8	53	cP	15 41 56.0	3.3		
NJ2	76.8	60	-P	15 42 04.0	0.1		

1985 12 13
 O = 23 10 13.2 ± 0.10s
 LAT = 28.69 N ± 2.15km
 LONG = 140.61 E ± 1.36km
 DEPTH = 39 km ± 0.44km
 STATIONS USED = 25, STAND DEV = 1.53s
 Ms = 4.1 / 9, m_B = 5.2 / 5

SSE	17.0	283	+P	23 14 10.0	0.0		
			csS	23 17 27.0	-2.7		
			cSS	23 17 35.0	-2.0		
			LE	Ms=4.0		8.0	0.23
DL2	18.7	308	cP	23 14 31.0	-0.5		
			S	23 17 53.0	-2.0		
			LE	Ms=4.1		12.0	0.34
			LZ	Ms=4.1		12.0	0.34
SNY	19.1	318	cP	23 14 34.0	-1.3		
			pP	23 14 42.0	-1.7		
			cS	23 17 57.0	-5.8		
			sS	23 18 15.0	-1.3		
			LE	Ms=4.2		14.0	0.59
NJ2	19.1	286	+P	23 14 35.0	-0.3		
			PMZ	m _B =5.5		5.0	1.30
			S	23 18 03.0	0.8		
			sS	23 18 17.0	0.7		
			LZ	Ms=3.9		20.0	0.40
CN2	19.4	325	cP	23 14 36.0	-2.6		
			cS	23 18 02.0	-7.5		
			LN	Ms=4.3		10.0	0.50

QZH	20.0	264	-iP	23 14 45.0	-0.5		
			PMZ	m _B =5.2		5.0	0.66
			cS	23 18 22.0	-1.3		
TIA	21.2	297	cP	23 14 56.8	-0.8		
			cS	23 18 55.0	9.3		
			SME	m _B =5.2		6.0	0.49
			LE	Ms=4.1		10.0	0.25
BJI	23.1	306	cP	23 15 17.0	0.6		
			PMZ	m _B =5.1		5.0	0.43
			csS	23 19 35.0	-1.8		
TIY	25.2	298	cP	23 15 35.0	-1.8		
			PMZ	m _B =5.7		5.0	1.14
			PP	23 16 16.5	1.8		
			cS	23 19 52.5	-4.3		
			sS	23 20 17.0	3.8		
			LE	Ms=4.3		14.0	0.46
XAN	27.5	289	cP	23 15 58.3	-0.3		
BTO	27.7	303	P	23 16 01.0	0.7		
			cS	23 20 36.0	-2.3		

1985 12 14
 O = 06 06 51.1 ± 0.04s
 LAT = 29.07 N ± 0.34km
 LONG = 104.58 E ± 0.37km
 DEPTH = 18 km ± 0.07km
 STATIONS USED = 7, STAND DEV = 0.91s
 M_L = 3.3 / 4,

CD2	2.0	339	cPg	06 07 26.3	0.2		
			Sg	06 07 52.8	-0.2		
			SMN	M _L =3.4		0.8	0.27
			SME			0.8	0.39
GYA	3.2	144	cPn	06 07 42.4	1.3		
			Pg	06 07 51.3	3.8		
			Sg	06 08 36.0	4.9		
			SMN	M _L =3.3		1.0	0.10
			SME			1.0	0.10
XAN	6.2	36	cPg	06 08 41.0	0.4		
			cSg	06 09 59.3	-5.7		

1985 12 14
 O = 06 46 10.6 ± 0.07s
 LAT = 3.69 N ± 1.03km
 LONG = 126.74 E ± 1.60km
 DEPTH = 22 km ± 0.06km
 STATIONS USED = 89, STAND DEV = 0.89s
 Ms = 6.1 / 24, m_B = 6.2 / 14

QZN	22.5	314	+iP	06 51 09.0	-1.1		
			PMZ	m _B =6.0		5.0	3.26
			sP	06 51 20.0	-0.7		
			PP	06 51 41.0	4.0		

		eS	09 32 25.0	4.1		
WHN	29.1	338	P	09 27 55.0	1.0	
NJ2	29.2	347	cP	09 27 56.5	2.1	
XAN	34.4	334	-P	09 28 38.8	-1.6	
CD2	34.6	324	cP	09 28 41.9	-0.1	
TIY	36.3	341	cP	09 28 56.0	-0.4	
BJI	37.4	347	cP	09 29 06.0	0.1	
SNY	38.1	356	+iP	09 29 12.8	1.2	
LZH	38.5	330	P	09 29 15.5	0.6	
CN2	40.0	359	-P	09 29 26.5	-0.9	
LSA	42.4	312	cP	09 29 47.8	0.6	
GTA	43.1	329	cP	09 29 51.3	-1.5	
WMQ	52.7	325	cP	09 31 08.0	0.3	

1985 12 14

O = 11 02 04.7 ± 0.05s
 LAT = 36.11 N ± 1.08km
 LONG = 70.16 E ± 0.90km
 DEPTH = 149 km ± 0.75km
 STATIONS USED = 22, STAND DEV = 1.28s

$M_L = 4.3 / 1,$

KSH	5.7	52	-P	11 03 31.0	2.5	
			S	11 04 33.0	0.2	
			SMN		2.0	2.29
WMQ	15.5	55	+P	11 05 36.3	-0.1	
			iS	11 08 33.5	9.7	
			SME		1.2	0.060
LSA	18.7	104	cP	11 06 15.8	0.7	
GTA	23.6	73	+P	11 07 05.3	1.7	
XAN	31.7	82	+P	11 08 16.3	-0.1	
GYA	32.5	97	P	11 08 23.6	-0.1	
NJ2	40.2	81	cP	11 09 28.0	-0.4	

1985 12 14

O = 11 54 51.1 ± 0.16s
 LAT = 3.44 S ± 1.95km
 LONG = 151.12 E ± 3.33km
 DEPTH = 10 km ± 0.61km
 STATIONS USED = 45, STAND DEV = 1.81s

$M_s = 5.2 / 15,$ $m_B = 5.6 / 3$

SSE	44.7	322	P	12 03 04.0	-2.2	
			cS	12 09 40.0	-2.2	
			sS	12 09 52.0	0.6	
			LN	$M_s = 5.3$	24.0	1.92
			LE		24.0	2.41
GZH	45.3	307	-iP	12 03 13.5	2.0	
			iS	12 09 58.0	6.3	
			LE	$M_s = 5.2$	17.0	1.42
NJ2	46.7	322	cP	12 03 24.3	1.5	
			S	12 10 18.0	6.8	

		LN	$M_s = 5.5$	20.0	3.10	
WHN	48.7	317	cP	12 03 38.5	0.2	
		cS		12 10 43.5	3.3	
		LE	$M_s = 5.2$	14.0	1.02	
SNY	51.5	334	cP	12 04 04.0	4.1	
		S		12 11 18.0	-0.3	
		LN	$M_s = 5.2$	25.0	1.31	
		LE		26.0	1.40	
MDJ	51.6	340	-iP	12 04 00.0	-0.2	
GYA	52.2	307	-P	12 04 06.8	1.5	
		sS		12 11 39.0	0.8	
CN2	52.4	337	+P	12 04 05.0	-1.3	
		cPP		12 06 04.0	-1.1	
		cS		12 11 28.8	-2.2	
		SMN	$m_B = 5.7$	6.0	0.60	
		SS		12 15 03.0	-2.9	
		LZ	$M_s = 5.3$	17.0	1.50	
BJI	53.8	327	cP	12 04 15.0	-2.0	
		cS		12 11 51.0	0.2	
		SMN	$m_B = 5.6$	6.0	0.34	
		SME		6.0	0.35	
		LE	$M_s = 5.1$	17.0	0.94	
TIY	54.4	322	cP	12 04 21.0	-0.5	
		S		12 12 06.0	8.4	
		LN	$M_s = 5.3$	16.0	0.94	
		LE		16.0	0.77	
XAN	54.5	317	P	12 04 21.8	-0.1	
		S		12 12 00.0	1.6	
		sS		12 12 15.0	6.4	
		LN	$M_s = 5.3$	15.0	0.95	
		LE		17.0	1.11	
KMI	54.8	304	cP	12 04 25.5	0.8	
		S		12 12 08.0	4.9	
		LE	$M_s = 5.2$	18.0	1.09	
CD2	56.6	311	cP	12 04 37.0	-0.1	
		S		12 12 32.0	5.7	
		LE	$M_s = 5.4$	22.0	2.28	
		LZ	$M_s = 5.4$	24.0	2.30	
HHC	57.0	325	+P	12 04 40.3	0.3	
BTO	57.7	324	P	12 04 45.0	-0.1	
		cS		12 12 42.0	-0.6	
		LN	$M_s = 5.2$	19.0	0.80	
		LE		19.0	0.70	
		LZ	$M_s = 5.2$	19.0	1.20	
LZH	59.1	316	P	12 04 55.0	0.1	
GTA	63.5	318	P	12 05 25.0	0.2	
		S		12 14 01.5	5.9	
		SME	$m_B = 5.4$	8.0	0.34	
		LN	$M_s = 5.0$	15.0	0.50	
WMQ	73.6	318	P	12 06 28.0	0.6	

LAT=13.07 N ± 1.55km
 LONG= 95.67 E ± 0.93km
 DEPTH= 32 km ± 0.16km
 STATIONS USED = 7, STAND DEV= 1.49s
 LZH 24.1 16 eP 11 08 21.5 1.6
 XAN 24.1 28 eP 11 08 19.4 -0.6
 GTA 26.5 7 P 11 08 43.4 0.6

CD2 36.4 323 P 17 16 13.5 1.9
 TIY 37.8 340 P 17 16 28.0 4.4
 BJI 38.9 345 eP 17 16 35.0 3.1
 LZH 40.2 329 P 17 16 43.5 0.0
 pP 17 16 55.0 1.3
 CN2 41.1 357 eP 17 16 47.0 -3.9
 MDJ 41.9 2 -P 17 17 01.1 4.0
 GTA 44.8 329 -P 17 17 19.0 -2.0
 WMQ 54.5 325 P 17 18 32.5 -2.6

1985 12 15
 O=11 45 30.0 ± 0.09s
 LAT=31.00 N ± 1.79km
 LONG= 86.53 E ± 0.91km
 DEPTH= 34 km ± 0.17km
 STATIONS USED = 11, STAND DEV= 2.12s
 GTA 13.7 49 eP 11 48 45.0 0.2
 GYA 18.2 99 P 11 49 42.6 0.2
 XAN 19.1 75 eP 11 49 51.0 -2.2

1985 12 15
 O=18 45 28.9 ± 0.07s
 LAT=36.27 N ± 1.19km
 LONG= 70.98 E ± 0.96km
 DEPTH=120 km ± 0.66km
 STATIONS USED = 16, STAND DEV= 1.78s
 M_L=4.2 / 3,

1985 12 15
 O=16 19 34.9 ± 0.06s
 LAT= 3.72 N ± 1.03km
 LONG=126.67 E ± 1.54km
 DEPTH= 61 km ± 0.19km
 STATIONS USED = 36, STAND DEV= 0.86s
 WHN 29.1 338 P 16 25 32.5 0.1
 TIA 33.5 346 eP 16 26 10.4 -0.7
 XAN 34.4 333 eP 16 26 17.5 -1.3
 CD2 34.6 324 eP 16 26 18.5 -2.1
 TIY 36.3 341 eP 16 26 34.0 -0.6
 BJI 37.4 347 eP 16 26 44.0 0.1
 SNY 38.0 356 eP 16 26 50.3 0.9
 LZH 38.5 330 P 16 26 53.5 0.2
 BTO 39.7 340 eP 16 27 02.4 -0.7
 CN2 39.9 359 eP 16 27 05.4 0.3
 MDJ 40.8 3 eP 16 27 11.8 -0.6
 LSA 42.4 311 eP 16 27 26.0 0.0
 GTA 43.1 329 P 16 27 29.8 -1.4
 WMQ 52.7 325 P 16 28 46.5 0.4

KSH 5.1 50 P 18 46 47.3 2.9
 S 18 47 43.3 1.3
 SMN M_L=4.8 0.2 1.03
 SME 0.2 1.30
 WMQ 14.8 54 P 18 48 52.0 -2.2
 S 18 51 39.0 3.7
 GTA 22.9 73 eP 18 50 24.6 0.7

1985 12 15
 O=17 09 08.3 ± 0.16s
 LAT= 2.56 N ± 3.07km
 LONG=128.15 E ± 3.61km
 DEPTH= 39 km ± 0.23km
 STATIONS USED = 19, STAND DEV= 2.49s
 WHN 30.7 336 eP 17 15 22.0 -0.5
 pP 17 15 34.0 1.3
 KMI 33.2 315 eP 17 15 46.5 2.2
 XAN 36.1 332 eP 17 16 06.8 -2.1
 pP 17 16 18.4 -0.8

1985 12 15
 O=20 23 53.0 ± 0.10s
 LAT=13.53 S ± 0.99km
 LONG=167.48 E ± 2.43km
 DEPTH=221 km ± 0.44km
 STATIONS USED = 28, STAND DEV= 1.18s
 NJ2 65.0 315 +P 20 34 11.6 -0.1
 MDJ 67.3 332 eP 20 34 26.0 -0.7
 CN2 68.7 329 +P 20 34 35.8 0.5
 GYA 71.2 304 +P 20 34 45.8 -4.7
 BJI 71.5 321 eP 20 34 52.5 0.6
 TIY 72.5 317 P 20 34 59.3 1.0
 XAN 73.0 312 +P 20 35 01.6 0.3
 KMI 73.9 301 eP 20 35 07.0 0.7
 CD2 75.4 307 P 20 35 16.3 1.2
 BTO 75.7 319 eP 20 35 15.9 -0.5
 GTA 82.0 314 +P 20 35 50.4 -0.1

1985 12 16
 O=02 44 38.1 ± 0.14s
 LAT=11.82 N ± 4.46km
 LONG= 85.72 W ± 8.32km
 DEPTH= 30 km ± 0.11km
 STATIONS USED = 23, STAND DEV= 3.09s
 M_s=6.4 / 5,

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WMQ	124.3	6	PKP	03 03 36.0	0.6		
BTO	125.8	345	cPKP	03 03 45.0	6.7		
			LN	Ms=6.4	20.0	4.00	
			LE		21.0	2.70	
GTA	128.8	355	PKP	03 03 44.0	0.0		
			LN	Ms=6.4	19.0	5.32	
NJ2	130.4	332	cPKP	03 03 48.5	1.5		
			LZ	Ms=5.9	22.0	1.80	
XAN	132.3	344	cPKP	03 03 50.0	-0.7		
			PKS	03 07 22.0			
			LN	Ms=6.4	19.0	3.10	
			LE		18.0	3.30	
GYA	140.1	343	PKP	03 04 05.0	-0.1		
			LN	Ms=6.0	26.0	2.00	
			LE		26.0	1.40	
KMI	142.4	347	cPKP	03 04 07.0	-2.2		
QZN	145.7	333	cPKP	03 04 14.0	-0.7		

1985 12 16

O=08 03 09.9 ± 0.08s

LAT=14.07 S ± 1.06km

LONG=166.28 E ± 1.78km

DEPTH= 37 km ± 0.40km

STATIONS USED = 28, STAND DEV = 1.41s

Ms=6.5 / 1,

m_B=6.7 / 1

MDJ	67.3	332	cP	08 14 04.0	0.7		
SNY	68.1	327	-iP	08 14 09.0	0.1		
CN2	68.6	329	-P	08 14 11.6	-0.1		
BJI	71.2	322	cP	08 14 25.5	-1.9		
			PMZ	m _B =6.7	9.0	8.98	
			LN	Ms=6.5	18.0	16.1	
HHC	74.5	320	+iP	08 14 44.0	-3.1		
WMQ	91.6	315	P	08 16 16.0	0.7		

1985 12 16

O=08 04 07.1 ± 0.12s

LAT=14.03 S ± 2.20km

LONG=166.20 E ± 2.17km

DEPTH= 39 km ± 0.32km

STATIONS USED = 57, STAND DEV = 1.53s

Ms=6.5 / 17,

m_B=6.7 / 24

QZH	60.5	310	+iP	08 14 16.0	0.1		
			PP	08 16 32.0	1.6		
			iS	08 22 32.0	5.1		
			LE	Ms=6.3	16.5	10.5	
SSE	62.3	317	P	08 14 28.0	-0.3		
			PMZ	m _B =6.7	9.0	8.26	
			sP	08 14 44.0	0.5		
			PcP	08 15 08.0	1.3		
			PP	08 16 52.0	5.2		

			PcS	08 19 09.0	0.5		
			S	08 22 53.0	3.9		
			SMN	m _B =6.5	10.0	5.96	
			SME		10.0	2.46	
			sS	08 23 08.0	-0.4		
			SS	08 27 02.0	7.5		
			LN	Ms=6.5	18.0	11.2	
			LE		18.0	15.8	
GZH	63.5	305	-iP	08 14 37.0	0.6		
			iS	08 23 14.0	8.4		
			SMN	m _B =6.8	10.0	9.92	
			SME		10.0	4.33	
NJ2	64.5	316	-P	08 14 41.8	-0.7		
			PMZ	m _B =6.7	9.0	9.70	
			S	08 23 18.0	2.1		
			SMN	m _B =6.7	12.0	11.1	
			LN	Ms=6.4	15.0	11.4	
QZN	64.5	299	-P	08 14 44.0	1.3		
			PMZ	m _B =6.6	9.0	6.30	
			PP	08 17 09.0	3.3		
			PPMZ		6.5	2.40	
			S	08 23 20.0	3.7		
			SMN	m _B =6.9	10.0	12.0	
			SME		10.0	6.40	
			ScS	08 24 34.0	5.0		
			SS	08 27 37.5	9.1		
			LN	Ms=6.3	16.0	7.20	
			LE		16.5	5.80	
WHN	66.7	312	-P	08 14 57.2	0.3		
			iPcP	08 15 23.0	-1.8		
			iS	08 23 50.0	5.4		
DL2	67.1	324	-iP	08 15 00.0	0.5		
			iS	08 23 55.0	5.4		
MDJ	67.2	332	cP	08 14 53.9	-6.0		
SNY	68.1	327	-iP	08 15 04.5	-0.9		
			PMZ	m _B =6.7	9.0	8.59	
			S	08 24 03.5	4.0		
			LN	Ms=6.6	17.0	17.4	
			LE		13.0	2.02	
CN2	68.5	329	-P	08 15 07.5	-0.8		
			iS	08 24 11.0	4.6		
GYA	70.5	305	-P	08 15 21.0	0.6		
			PMZ	m _B =6.3	6.0	2.40	
			pP	08 15 30.0	-1.0		
			PcP	08 15 41.0	0.4		
			PP	08 17 58.0	0.7		
			S	08 24 34.0	6.0		
			SMN	m _B =6.4	11.0	3.50	
			SME		11.0	3.30	
			LN	Ms=6.4	17.0	5.70	

BJI	71.1	322	LE		17.0	8.80
			cP	08 15 24.5	0.6	
			PMZ	$m_B = 6.7$	9.0	8.98
			esP	08 15 36.5	-2.7	
			eS	08 24 42.0	5.6	
			SMN	$m_B = 6.8$	11.0	8.36
			SME		11.0	4.50
TIY	72.0	318	LN	$M_s = 6.5$	18.0	16.1
			-iP	08 15 31.0	1.2	
			PMZ	$m_B = 6.8$	8.5	10.6
			PP	08 18 10.0	-0.7	
			S	08 24 56.0	9.7	
			SMN	$m_B = 6.7$	11.0	6.24
			SME		10.0	4.52
XAN	72.5	313	LE	$M_s = 6.5$	16.0	11.8
			-iP	08 15 32.4	0.2	
			PMZ	$m_B = 6.6$	9.0	6.40
			pP	08 15 43.8	0.9	
			PP	08 18 18.0	3.8	
			S	08 24 59.0	8.0	
			SMN	$m_B = 6.8$	10.0	7.60
KMI	73.1	302	SME		10.0	4.20
			LN	$M_s = 6.4$	16.0	3.88
			LE		18.0	11.8
			-iP	08 15 37.0	1.0	
			PP	08 18 14.0	-5.8	
			iS	08 25 02.0	2.3	
			SMN	$m_B = 6.8$	10.0	8.40
HHC	74.4	320	LN	$M_s = 6.2$	16.0	6.47
			+iP	08 15 44.0	0.4	
			S	08 25 17.0	4.4	
			SMN	$m_B = 7.1$	9.0	12.1
			SME		9.0	7.60
			LN	$M_s = 6.5$	16.0	11.3
			LE		18.0	8.30
CD2	74.8	308	P	08 15 46.0	0.3	
			PMZ	$m_B = 6.8$	10.0	11.2
			S	08 25 26.0	9.1	
			SMN		13.0	14.1
			SME		11.0	7.20
			LN	$M_s = 6.6$	16.0	14.1
			LE		19.0	7.20
BTO	75.2	319	-iP	08 15 49.0	0.6	
			PMZ	$m_B = 6.7$	9.0	8.60
			PP	08 18 42.5	4.4	
			iS	08 25 27.0	3.3	
			SMN	$m_B = 6.9$	9.0	9.00
			SME		9.0	2.00
			SKS	08 25 52.0	3.8	
LN	$M_s = 6.5$	18.0	12.4			

LZH	77.1	313	LE		18.0	7.90		
			LZ	$M_s = 6.7$	18.0	19.9		
			cP	08 16 00.5	1.4			
			PP	08 18 52.0	-1.0			
			S	08 25 51.0	8.6			
			GTA	81.4	314	-iP	08 16 23.0	0.3
			PMZ	$m_B = 6.7$	8.5	8.23		
WMQ	91.5	315	iS	08 26 36.0	5.8			
			SME	$m_B = 7.0$	9.0	10.5		
			LN	$M_s = 5.9$	16.0	2.95		
			P	08 17 12.0	0.1			
			PP	08 20 55.0	4.5			
			SS	08 34 14.0	-0.7			
			LN	$M_s = 6.5$	38.0	19.1		
KSH	98.9	308	-P	08 17 46.9	1.1			
			PP	08 21 50.9	2.1			
			cSKS	08 28 20.0	1.9			
			LN	$M_s = 6.7$	17.0	13.5		

1985 12 16

O = 11 13 50.2 ± 0.10s
 LAT = 3.67 N ± 1.74km
 LONG = 126.55 E ± 1.83km
 DEPTH = 32 km ± 0.15km
 STATIONS USED = 39, STAND DEV = 1.09s

GZH	23.1	328	cP	11 18 55.0	0.1
WHN	29.1	338	cP	11 19 52.0	1.5
NJ2	29.1	346	cP	11 19 51.0	0.2
TIA	33.5	346	cP	11 20 28.1	-1.3
XAN	34.4	334	cP	11 20 35.4	-1.4
CD2	34.6	324	cP	11 20 38.3	-0.2
TIY	36.3	341	cP	11 20 52.3	-0.6
BJI	37.4	347	cP	11 21 02.5	0.2
SNY	38.1	356	+P	11 21 08.6	0.5
LZH	38.5	330	cP	11 21 12.0	0.6
CN2	40.0	359	-P	11 21 23.6	-0.2
MDJ	40.9	3	-iP	11 21 31.8	0.6
LSA	42.3	312	P	11 21 44.3	0.5
GTA	43.1	329	cP	11 21 47.5	-1.8

1985 12 16

O = 14 42 43.9 ± 0.23s
 LAT = 21.35 S ± 2.82km
 LONG = 67.92 W ± 1.93km
 DEPTH = 148 km ± 2.07km
 STATIONS USED = 12, STAND DEV = 2.92s

WMQ	149.8	36	+iPKP	15 02 16.8	4.2
CN2	155.0	337	cPKP	15 02 43.6	25.0
GTA	159.2	28	PKP	15 02 24.1	-1.3
			PKP ₂	15 03 00.0	



BJI	161.0	350	ePKP	15 02 27.0	-0.2
XAN	167.1	12	+PKP	15 02 32.8	0.0

1985 12 16

O = 15 56 46.2 ± 0.12s

LAT = 28.14 S ± 3.02km

LONG = 175.37 W ± 2.46km

DEPTH = 10 km

STATIONS USED = 10, STAND DEV = 2.41s

CN2	89.8	322	+P	16 09 51.8	4.6
TIA	90.2	312	eP	16 09 48.6	-0.4
TIY	94.1	311	P	16 10 07.4	0.1
XAN	94.6	306	P	16 10 07.0	-2.6

1985 12 16

O = 16 56 42.6 ± 0.15s

LAT = 47.95 S ± 2.92km

LONG = 136.79 E ± 2.81km

DEPTH = 10 km

STATIONS USED = 32, STAND DEV = 1.82s

Ms = 5.0 / 1,

GYA	78.9	333	P	17 08 48.6	0.0
KMI	78.9	329	-P	17 08 49.5	0.5
WHN	80.7	341	eP	17 08 57.8	-0.5
NJ2	81.2	345	+P	17 09 02.0	0.7
			LZ	Ms = 5.0	20.0 0.40
CD2	83.9	332	P	17 09 14.9	-0.2
XAN	85.4	337	-P	17 09 21.8	-0.5
TIA	85.6	344	eP	17 09 22.4	-1.1
TIY	88.0	341	P	17 09 34.3	-1.0
LZH	88.7	334	P	17 09 39.0	0.3
BJI	89.5	344	eP	17 09 41.0	-1.3
CN2	91.9	352	-P	17 09 51.8	-1.7
GTA	93.0	332	P	17 09 57.0	-1.6

1985 12 16

O = 17 37 11.0 ± 0.17s

LAT = 14.30 S ± 2.25km

LONG = 166.28 E ± 3.42km

DEPTH = 34 km ± 0.82km

STATIONS USED = 23, STAND DEV = 2.38s

NJ2	64.7	316	+P	17 47 48.0	-0.5
DL2	67.4	324	eP	17 48 04.0	-1.6
CN2	68.8	329	-P	17 48 12.8	-1.6
BJI	71.3	322	eP	17 48 29.0	-0.9
TIY	72.3	318	P	17 48 35.8	0.0
XAN	72.7	313	eP	17 48 37.8	-0.3
KMI	73.3	302	eP	17 48 41.5	-0.2
CD2	75.0	308	eP	17 48 51.6	0.1
LZH	77.3	313	P	17 49 05.5	0.6

GTA	81.7	314	P	17 49 26.5	-1.9
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1985 12 16

O = 22 51 50.7 ± 0.05s

LAT = 35.71 N ± 0.93km

LONG = 29.55 E ± 0.67km

DEPTH = 30 km ± 0.10km

STATIONS USED = 16, STAND DEV = 1.01s

WMQ	44.6	61	P	23 00 03.4	0.7
GTA	54.5	64	P	23 01 17.0	-1.8
CD2	60.8	71	eP	23 02 03.3	0.1
XAN	63.4	66	eP	23 02 19.6	-0.5
BJI	65.9	57	eP	23 02 35.5	-0.7

1985 12 17

O = 00 13 18.7 ± 0.15s

LAT = 36.22 S ± 3.21km

LONG = 53.16 E ± 3.06km

DEPTH = 10 km

STATIONS USED = 29, STAND DEV = 1.97s

Ms = 5.5 / 4,

LSA	74.7	34	eP	00 24 57.4	-4.1
KMI	76.9	45	eP	00 25 11.5	-2.5
			S	00 34 57.0	-2.2
			LZ	Ms = 5.5	40.0 2.67
KSH	78.2	18	eP	00 25 25.0	4.0
GYA	80.2	47	P	00 25 34.3	2.4
CD2	81.9	42	eP	00 25 39.6	-1.4
			eS	00 35 48.0	-6.1
			LN	Ms = 5.6	24.0 1.22
			LE		23.0 1.53
WMQ	85.6	24	eP	00 26 00.4	0.6
LZH	86.0	39	eP	00 26 02.0	0.3
GTA	86.7	34	P	00 26 05.8	0.8
			LN	Ms = 5.5	26.0 1.66
XAN	87.1	43	eP	00 26 09.4	2.2
			S	00 36 45.0	1.3
NJ2	91.6	51	eP	00 26 29.0	0.8
			LZ	Ms = 5.3	22.0 0.70
TIY	91.8	43	eP	00 26 29.8	0.8
			S	00 37 17.0	-9.0

1985 12 17

O = 00 49 43.0 ± 0.23s

LAT = 36.20 S ± 3.54km

LONG = 53.21 E ± 3.48km

DEPTH = 5 km ± 0.50km

STATIONS USED = 32, STAND DEV = 2.17s

Ms = 5.4 / 5, m_B = 5.9 / 1

LSA	74.6	34	+P	01 01 24.0	-2.2
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			eS	07 07 41.0	-3.1			
			LN	Ms = 5.4	14.0	2.30		
			LE		14.0	0.90		
			LZ	Ms = 5.2	14.0	1.50		
QZN	39.7	90	eP	07 01 57.5	1.9			
			eS	07 07 55.0	-4.3			
			SS	07 10 39.0	-7.3			
			LN	Ms = 5.3	16.0	2.00		
TIY	40.1	61	P	07 01 58.8	-0.7			
			LN	Ms = 5.5	11.0	2.60		
BJI	43.3	57	eP	07 02 25.0	0.1			
			LN	Ms = 5.3	11.0	1.24		
NJ2	45.4	69	-P	07 02 42.0	-0.3			
			LZ	Ms = 4.9	18.0	0.80		
SSE	47.5	70	eP	07 02 58.5	-0.2			
			eS	07 09 48.0	-4.9			
			esS	07 10 04.0	2.1			
			eSS	07 13 09.0	-4.3			
			LN	Ms = 5.4	11.0	1.52		
SNY	49.0	55	eP	07 03 08.3	-1.8			
CN2	50.4	53	eP	07 03 21.4	0.2			
MDJ	53.4	52	+P	07 03 42.9	-0.8			

1985 12 17

O = 12 54 54.6 ± 0.05s

LAT = 6.34 S ± 0.94km

LONG = 129.98 E ± 0.93km

DEPTH = 158 km ± 0.10km

STATIONS USED = 18, STAND DEV = 0.88s

XAN	44.8	335	+P	13 02 54.6	-0.5			
BJI	47.9	346	eP	13 03 18.5	-0.3			
CN2	50.1	356	eP	13 03 34.5	-1.2			
MDJ	50.7	360	+P	13 03 40.8	0.1			
GTA	53.4	331	eP	13 03 59.8	-0.9			

1985 12 17

O = 14 47 50.4 ± 0.08s

LAT = 3.72 N ± 1.28km

LONG = 126.67 E ± 1.91km

DEPTH = 42 km ± 0.16km

STATIONS USED = 52, STAND DEV = 1.09s

Ms = 4.4 / 1,

GZH	23.2	327	eP	14 52 55.0	0.6			
SSE	27.7	350	eP	14 53 37.5	0.2			
			cpP	14 53 47.8	0.0			
			LE	Ms = 4.4	20.0	0.58		
WHN	29.1	338	eP	14 53 49.5	-0.2			
NJ2	29.1	346	-P	14 53 51.0	1.1			
GYA	29.6	322	P	14 53 55.0	0.4			
XAN	34.4	333	+P	14 54 34.8	-1.4			

CD2	34.6	324	eP	14 54 37.6	-0.4			
DL2	35.3	353	eP	14 54 45.1	1.1			
TIY	36.3	341	eP	14 54 51.5	-0.5			
			eS	15 00 32.5	3.5			
BJI	37.4	347	eP	14 55 02.0	0.6			
SNY	38.0	356	+iP	14 55 07.8	0.9			
LZH	38.5	330	P	14 55 11.5	0.7			
HHC	39.4	342	P	14 55 17.0	-1.2			
CN2	39.9	359	+P	14 55 22.4	-0.2			
MDJ	40.8	3	+iP	14 55 30.8	0.9			
LSA	42.4	311	-P	14 55 43.3	-0.2			
GTA	43.1	329	P	14 55 46.8	-1.9			
WMQ	52.7	325	P	14 57 03.0	-0.6			
KSH	58.0	315	eP	14 57 44.0	2.1			

1985 12 17

O = 14 56 50.6 ± 0.07s

LAT = 4.43 S ± 1.55km

LONG = 128.40 E ± 2.10km

DEPTH = 227 km ± 0.23km

STATIONS USED = 32, STAND DEV = 1.07s

GYA	37.2	327	-P	15 03 42.8	0.4			
			PcP	15 05 57.4	0.5			
WHN	37.3	340	+iP	15 03 43.8	1.0			
NJ2	37.4	347	-P	15 03 44.0	0.3			
KMI	38.5	321	eP	15 03 54.0	0.6			
CD2	42.3	328	P	15 04 24.0	0.0			
			PMZ			1.0	0.030	
			S	15 10 25.3	-1.3			
XAN	42.5	336	-P	15 04 24.5	-0.8			
TIY	44.5	342	-P	15 04 40.8	-0.8			
BJI	45.7	347	eP	15 04 49.5	-1.3			
LZH	46.4	332	-iP	15 04 57.0	0.2			
CN2	48.1	357	eP	15 05 08.0	-1.6			
LSA	49.3	316	-P	15 05 18.6	-0.4			
GTA	51.0	331	-iP	15 05 30.3	-1.3			
			PcP	15 06 43.6	-0.4			
WMQ	60.4	327	-P	15 06 38.0	-0.6			
KSH	65.0	317	eP	15 07 11.0	1.8			

1985 12 17

O = 21 41 39.6 ± 0.08s

LAT = 21.58 S ± 1.80km

LONG = 176.49 W ± 1.43km

DEPTH = 198 km ± 1.03km

STATIONS USED = 35, STAND DEV = 1.25s

NJ2	81.7	309	eP	21 53 37.4	-0.3			
MDJ	82.2	324	+iP	21 53 40.8	0.2			
SNY	83.9	319	eP	21 53 49.0	-0.4			
CN2	84.0	322	eP	21 53 48.8	-1.0			

WHN	84.2	306	eP	21 53 50.5	-0.3
BJI	87.6	315	eP	21 54 08.0	0.5
GYA	88.4	299	eP	21 54 12.4	1.2
TIY	89.0	311	eP	21 54 14.9	0.7
XAN	89.9	307	-P	21 54 14.8	-3.4
KMI	91.1	297	eP	21 54 25.0	1.1
HHC	91.1	314	eP	21 54 24.5	0.6
GTA	98.7	309	eP	21 54 58.0	-0.8

LONG = 132.20 E ± 2.47km
 DEPTH = 64 km ± 1.22km
 STATIONS USED = 25, STAND DEV = 2.99s
 Ms = 4.0 / 3,

SSE	9.4	269	eP	04 00 01.8	-0.9
			sS	04 02 02.0	4.7
			LN	Ms = 4.0	11.0 0.48
			LE		11.0 0.58
NJ2	11.3	275	eP	04 00 28.5	-0.1
			LZ	Ms = 3.8	16.0 0.60
SNY	12.2	328	-iP	04 00 39.0	-0.9
			LN	Ms = 4.2	12.0 0.77
			LE		12.0 0.54
CN2	13.1	338	eP	04 00 58.6	6.0
TIA	13.3	294	eP	04 00 52.6	-1.7
BJI	15.4	307	eP	04 01 25.0	3.4
TIY	17.3	295	eP	04 01 46.0	0.3
HHC	18.9	304	eP	04 02 04.0	-1.4
XAN	19.7	283	eP	04 02 11.5	-2.2
GYA	22.9	263	P	04 02 46.3	-0.1
CD2	24.3	276	eP	04 03 00.3	0.6
GTA	27.3	295	eP	04 03 25.0	-3.2

1985 12 18
 O = 00 47 28.4 ± 0.14s
 LAT = 28.30 N ± 3.19km
 LONG = 140.70 E ± 2.68km
 DEPTH = 32 km ± 2.62km
 STATIONS USED = 22, STAND DEV = 2.66s

Ms = 4.7 / 2, m_B = 5.4 / 6

SSE	17.2	284	+P	00 51 28.0	0.1
			eS	00 54 42.0	5.4
DL2	19.1	309	+P	00 51 52.0	1.0
			PMZ	m _B = 5.3	5.0 0.72
			sS	00 55 34.0	3.4
NJ2	19.3	287	+P	00 51 55.0	1.9
			PMZ	m _B = 5.6	5.0 1.50
			esS	00 55 37.0	1.9

CN2	19.7	326	eP	00 51 55.0	-3.5
TIA	21.4	298	eP	00 52 14.6	-1.4
WHN	23.0	282	eP	00 52 33.0	0.8
			PMZ	m _B = 5.7	5.0 1.53
			sP	00 52 47.0	2.1
			sS	00 56 48.0	-3.1
			LE	Ms = 5.0	20.0 3.10

BJI	23.4	306	eP	00 52 33.0	-2.2
			PMZ	m _B = 5.2	4.5 0.44
			eS	00 56 48.0	5.7
			SMN	m _B = 5.3	7.0 0.55
			SME		8.0 0.40

TIY	25.4	299	eP	00 52 53.6	-1.6
			PMZ	m _B = 5.8	5.0 1.39
			S	00 57 24.5	7.6
			sS	00 57 35.0	3.1
			LE	Ms = 4.4	10.0 0.35

HHC	26.9	305	eP	00 53 08.8	-0.5
XAN	27.7	290	eP	00 53 14.8	-1.6
GYA	30.2	275	e(P)	00 53 45.4	6.5
CD2	32.1	284	eP	00 53 54.0	-1.7
GTA	35.4	299	eP	00 54 19.4	-4.9

1985 12 18
 O = 03 57 46.9 ± 0.21s
 LAT = 31.77 N ± 2.25km

1985 12 18
 O = 04 03 46.8 ± 0.09s
 LAT = 13.85 S ± 1.13km
 LONG = 166.81 E ± 1.92km
 DEPTH = 34 km ± 0.36km
 STATIONS USED = 26, STAND DEV = 1.17s

NJ2	64.7	316	eP	04 14 24.5	-0.1
MDJ	67.3	332	+P	04 14 40.5	-0.5
CN2	68.7	329	P	04 14 48.0	-1.5
GYA	70.9	305	eP	04 15 03.0	0.0
BJI	71.3	321	eP	04 15 03.5	-2.1
TIY	72.3	317	P	04 15 12.6	0.9
XAN	72.8	313	eP	04 15 14.8	0.4
CD2	75.1	308	eP	04 15 29.0	0.9
LZH	77.4	312	eP	04 15 42.0	0.8
GTA	81.7	314	eP	04 16 04.3	-0.3

1985 12 18
 O = 05 45 59.4 ± 0.06s
 LAT = 39.25 N ± 1.08km
 LONG = 26.14 E ± 0.73km
 DEPTH = 18 km ± 0.13km
 STATIONS USED = 39, STAND DEV = 0.85s

WMQ	45.4	63	-iP	05 54 20.0	0.7
			PP	05 56 05.3	-0.1
GTA	55.4	65	eP	05 55 35.3	-0.6
LZH	59.8	66	eP	05 56 06.5	-0.2

December, 1985



CD2	62.3	72	eP	05 56 23.8	0.3
HHC	62.8	58	P	05 56 27.4	0.5
XAN	64.4	66	eP	05 56 37.8	0.3
KMI	64.6	77	eP	05 56 36.0	-2.9
TIY	64.9	61	P	05 56 40.8	-0.2
BJI	66.2	57	eP	05 56 49.0	-0.1
GYA	66.8	74	P	05 56 52.4	-0.6
CN2	69.9	50	-P	05 57 11.6	-0.6
NJ2	72.5	63	+P	05 57 27.5	0.0
SSE	74.6	62	eP	05 57 40.0	-0.2

1985 12 18

O=06 06 54.9 ± 0.07s
 LAT=58.04 N ± 1.87km
 LONG= 32.44 W ± 0.94km
 DEPTH= 10 km ± 0.07km
 STATIONS USED = 14, STAND DEV= 1.18s
 Ms=5.4/ 1,

GTA	75.0	36	eP	06 18 38.5	-0.9
TIY	80.2	28	eP	06 19 05.8	-2.1
			LN	Ms=5.4	13.0 0.49
			LE		14.0 0.46
XAN	82.7	32	eP	06 19 20.8	-0.4

1985 12 18

O=07 23 32.2 ± 0.03s
 LAT= 5.25 S ± 0.55km
 LONG=154.33 E ± 0.58km
 DEPTH=215 km ± 0.40km
 STATIONS USED = 14, STAND DEV= 0.71s

CN2	55.3	335	P	07 32 45.3	-0.9
XAN	58.0	316	eP	07 33 05.3	0.2
CD2	60.2	310	eP	07 33 20.6	0.5
GTA	67.0	317	eP	07 34 05.4	0.6

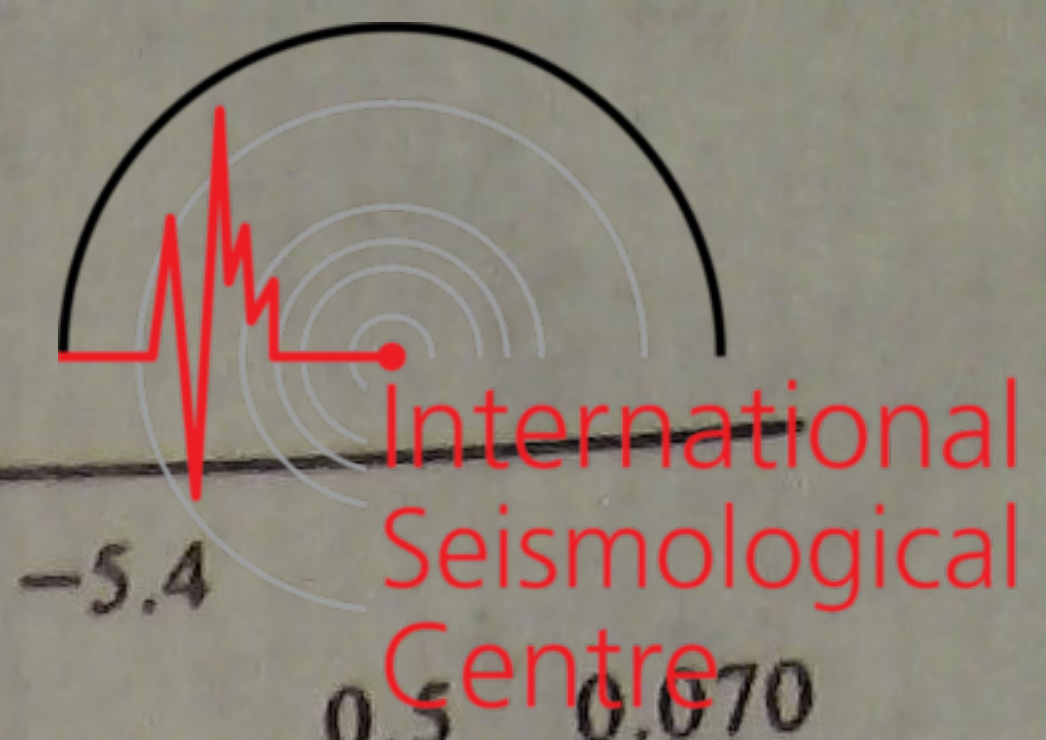
1985 12 18

O=16 53 52.8 ± 0.10s
 LAT=31.93 N ± 1.48km
 LONG=132.14 E ± 1.61km
 DEPTH= 61 km ± 1.15km
 STATIONS USED = 52, STAND DEV= 1.86s
 Ms=4.7/ 18,

SSE	9.4	268	+P	16 56 07.8	-0.1
			PMZ		1.0 0.050
			pP	16 56 13.0	-1.0
			eS	16 57 54.0	2.2
			sS	16 58 02.0	-0.5
			LN	Ms=4.5	12.0 1.58
			LE		13.0 2.67
NJ2	11.3	274	-P	16 56 34.5	0.8

			pP	16 56 42.0	1.6
			LE	Ms=4.5	12.0 2.40
SNY	12.0	328	+iP	16 56 44.0	0.5
			pP	16 56 53.0	-0.1
			LN	Ms=4.8	12.0 2.57
			LE		12.0 2.69
MDJ	12.8	352	eP	16 56 51.5	-2.8
CN2	13.0	338	-P	16 56 56.0	-0.3
			pP	16 57 03.5	-2.5
			eS	16 59 20.0	1.4
			LZ	Ms=4.7	12.0 2.60
TIA	13.2	293	eP	16 56 58.4	-0.4
			LN	Ms=4.6	13.0 1.20
			LE		13.0 1.77
			LZ	Ms=4.7	12.0 2.73
BJI	15.2	307	eP	16 57 25.0	-0.7
			eS	17 00 14.0	1.8
			LN	Ms=4.6	13.0 1.18
			LE		13.0 1.14
WHN	15.3	269	eP	16 57 28.0	1.6
			LN	Ms=5.0	14.0 1.09
			LE		12.0 4.16
TIY	17.2	295	eP	16 57 50.8	0.5
			pP	16 58 03.0	2.0
			LN	Ms=4.9	12.0 1.01
			LE		14.0 2.56
HHC	18.8	304	P	16 58 09.6	-0.2
			eS	17 01 34.0	1.0
			LN	Ms=4.8	13.0 0.75
			LE		13.0 1.62
XAN	19.6	282	eP	16 58 17.6	-1.2
			pP	16 58 27.6	-3.3
			SS	17 02 23.0	4.2
			LE	Ms=4.7	12.0 1.50
BTO	19.8	302	P	16 58 19.5	-1.5
			pP	16 58 29.0	-4.3
			LN	Ms=4.8	12.0 1.30
			LE		12.0 1.20
			LZ	Ms=4.8	12.0 1.70
GYA	22.9	263	P	16 58 53.0	0.8
			pP	16 59 05.0	-0.7
			PP	16 59 29.0	6.8
			S	17 03 01.0	9.1
			sS	17 03 18.0	1.9
			LE	Ms=4.7	12.0 1.00
LZH	23.8	288	eP	16 59 00.5	-0.6
			eS	17 03 13.0	4.1
QZN	23.8	243	eP	16 59 04.0	2.7
CD2	24.2	275	P	16 59 05.0	-0.2
			eS	17 03 24.0	7.8

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STATIONS USED = 33, STAND DEV = 3.00s
 $M_s = 4.2 / 3, M_L = 4.8 / 4,$

KSH	0.6	86	+Pg	01 50 37.0	0.1
			Sg	01 50 45.5	0.6
WMQ	10.3	61	eP	01 52 55.5	-1.6
			S	01 54 48.3	-4.9
			LN	$M_s = 4.9$	7.0 2.64
			LE		7.0 2.17
LSA	16.3	122	eP	01 54 15.8	-1.0
			eSS	01 57 30.0	-5.3
			LN	$M_s = 4.2$	10.0 0.46
GTA	19.0	82	P	01 54 47.9	-2.3
			LG ₂	02 00 51.0	-1.7
			LE	$M_s = 4.2$	10.0 0.42
CD2	24.7	101	eP	01 55 49.8	1.0
XAN	27.4	91	eP	01 56 20.0	6.2
TIY	29.0	81	eP	01 56 31.2	3.1

			S	11 28 55.0	-5.4
			SMN	$M_L = 3.5$	0.5 0.070
			SME		0.5 0.060
SSE	6.4	340	eP	11 28 30.3	-0.1
NJ2	8.2	329	+P	11 28 54.0	-0.2
WHN	9.9	305	+P	11 29 17.5	-0.1
			eS	11 31 08.0	0.5
GYA	15.4	279	P	11 30 32.0	2.9
XAN	15.7	308	eP	11 30 32.3	0.4
TIY	15.9	325	eP	11 30 37.0	2.7
CD2	18.6	293	eP	11 31 05.3	-1.0
			PMZ		0.6 0.040
HHC	18.7	330	eP	11 31 07.5	-0.7
CN2	18.7	4	eP	11 31 08.3	0.1
BTO	19.3	327	eP	11 31 12.0	-1.9
LZH	20.3	307	eP	11 31 24.0	-0.7
GTA	24.7	311	eP	11 32 05.8	-1.5

1985 12 19

O = 04 23 01.3 ± 0.10s
 LAT = 15.36 S ± 1.34km
 LONG = 173.30 W ± 2.12km
 DEPTH = 30 km ± 0.19km

STATIONS USED = 20, STAND DEV = 1.30s

CN2	81.1	320	eP	04 35 15.5	-0.7
SNY	81.3	318	+P	04 35 17.0	-0.2
BJI	85.5	313	eP	04 35 39.0	0.5
TIY	87.3	310	P	04 35 48.6	1.2
GYA	88.1	298	eP	04 35 53.0	1.7
XAN	88.7	306	P	04 35 55.0	1.0
BTO	90.1	312	eP	04 36 00.0	-0.7

1985 12 19

O = 05 16 06.7 ± 0.07s
 LAT = 52.95 N ± 1.74km
 LONG = 159.70 E ± 1.20km
 DEPTH = 33 km ± 0.10km

STATIONS USED = 13, STAND DEV = 1.30s

MDJ	21.4	259	+P	05 20 53.8	-0.1
CN2	24.3	262	eP	05 21 21.3	-1.4
GTA	42.4	276	P	05 23 59.9	-0.3

1985 12 19

O = 11 26 57.0 ± 0.07s
 LAT = 25.06 N ± 1.55km
 LONG = 123.74 E ± 1.05km
 DEPTH = 134 km ± 1.63km

STATIONS USED = 33, STAND DEV = 1.78s

$M_L = 3.6 / 5,$

QZH	4.7	270	eP	11 28 05.6	-1.3
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1985 12 19

O = 13 46 29.1 ± 0.14s
 LAT = 28.24 N ± 3.40km
 LONG = 140.75 E ± 2.90km
 DEPTH = 33 km ± 1.33km

STATIONS USED = 23, STAND DEV = 2.57s

$M_s = 4.4 / 6, m_B = 5.4 / 9$

SSE	17.2	284	+P	13 50 30.0	0.9
			eS	13 53 39.0	0.5
			ePcP	13 55 08.0	-3.9
			ePcS	13 58 43.0	-3.7
			LN	$M_s = 4.2$	13.0 0.60
DL2	19.1	309	+P	13 50 53.0	0.7
			PMZ	$m_B = 5.4$	5.0 0.86
			S	13 54 14.0	-6.3
			SME	$m_B = 5.2$	7.0 0.76
NJ2	19.3	287	+P	13 50 56.0	1.6
			PMZ	$m_B = 5.7$	5.0 1.80
SNY	19.5	319	eP	13 50 53.0	-3.3
			LE	$M_s = 4.4$	11.0 0.62
CN2	19.8	326	-P	13 51 06.0	6.1
TIA	21.5	298	eP	13 51 15.0	-2.2
			PMZ	$m_B = 5.5$	5.0 1.21
			LE	$M_s = 4.3$	10.0 0.37
WHN	23.1	282	eP	13 51 35.0	1.7
			PMZ	$m_B = 5.8$	5.0 1.91
			PP	13 52 10.0	6.6
			SME	$m_B = 5.1$	10.0 0.66
			LN	$M_s = 4.5$	12.0 0.71
BJI	23.4	307	eP	13 51 37.0	0.6
			PMZ	$m_B = 5.2$	5.0 0.54
			eS	13 55 38.0	-6.0

			SMN	$m_B = 5.4$	7.0	0.55
			SME		8.0	0.58
TIY	25.5	299	P	13 51 54.6	-1.8	
			PMZ	$m_B = 5.6$	5.0	0.76
			PP	13 52 36.0	0.6	
XAN	27.8	290	cP	13 52 14.3	-3.2	
			SS	13 58 18.0	1.1	
BTO	28.0	304	cP	13 52 18.0	-2.0	
			PP	13 53 05.0	-4.7	
			LN	$M_s = 4.4$	13.0	0.30
			LE		13.0	0.30
CD2	32.2	284	P	13 52 56.8	0.1	
GTA	35.5	299	cP	13 53 23.6	-1.8	
			LN	$M_s = 4.6$	11.0	0.33

			cS	15 50 02.0	3.3
			esS	15 51 02.0	5.7
GYA	30.9	329	-P	15 45 09.0	1.5
			PcP	15 48 00.4	0.8
WHN	31.5	344	cP	15 45 13.5	0.7
			pP	15 45 45.5	0.0
KMI	32.1	322	cP	15 45 18.5	0.7
NJ2	32.1	352	-P	15 45 17.8	0.2
TIA	36.4	351	cP	15 45 53.2	-1.3
			PcP	15 48 15.0	-0.1
XAN	36.5	339	cP	15 45 55.0	0.0
			pP	15 46 31.4	2.8
			cS	15 51 32.0	6.8
			sS	15 52 20.0	-3.7
TIY	38.8	346	P	15 46 14.4	-0.3
			PMZ		0.8 0.070
			S	15 51 52.0	-7.6
			SS	15 54 59.0	9.7
LZH	40.3	335	P	15 46 27.0	0.3
BJI	40.3	351	cP	15 46 26.0	-0.8
SNY	41.5	360	+P	15 46 35.4	-1.2
			cS	15 52 31.0	-9.3
HHC	42.0	346	P	15 46 41.0	0.1
BTO	42.2	344	cP	15 46 42.0	-0.1
LSA	42.8	316	+P	15 46 46.8	-0.5
CN2	43.5	2	cP	15 46 50.0	-2.8
			PcP	15 48 37.8	-0.1
MDJ	44.6	6	+P	15 47 01.0	-0.6
GTA	44.8	334	+P	15 47 02.5	-0.8
			PcP	15 48 43.3	1.0
WMQ	54.1	328	P	15 48 13.0	-1.1
KSH	58.5	318	cP	15 48 46.0	0.1

1985 12 19

O = 13 50 01.9 ± 0.15s
 LAT = 38.73 N ± 1.24km
 LONG = 75.53 E ± 1.92km
 DEPTH = 14 km ± 0.38km

STATIONS USED = 21, STAND DEV = 2.37s
 $M_s = 4.5 / 1, M_L = 4.3 / 3,$

KSH	0.8	26	+Pg	13 50 19.1	2.6
WMQ	10.5	57	P	13 52 33.4	-1.7
			SS	13 54 46.0	0.0
			SMN		1.5 0.12
			SME		1.5 0.15
GTA	18.9	80	cP	13 54 23.3	-1.2
			LG ₂	14 00 31.8	7.6
			SMN		2.0 0.080
LZH	22.6	88	iP	13 55 05.5	1.5
CD2	24.4	100	cP	13 55 24.0	2.8
XAN	27.2	90	cP	13 55 44.8	-2.8
TIY	28.9	80	P	13 56 04.3	1.4
			LE	$M_s = 4.5$	12.0 0.41

1985 12 19

O = 15 39 03.0 ± 0.10s
 LAT = 0.13 N ± 1.55km
 LONG = 123.73 E ± 1.95km
 DEPTH = 157 km ± 0.56km
 STATIONS USED = 75, STAND DEV = 1.24s

QZN	23.2	325	+P	15 43 58.9	1.9
			cS	15 47 58.0	4.0
			SS	15 49 00.0	6.4
GZH	25.0	337	+P	15 44 15.0	1.4
QZH	25.2	349	+P	15 44 17.3	1.8
SSE	30.9	356	cP	15 45 08.0	0.8
			PMZ		1.2 0.070
			cpP	15 45 42.0	2.2

1985 12 20

O = 00 42 42.3 ± 0.08s
 LAT = 24.79 N ± 1.22km
 LONG = 67.60 E ± 1.31km
 DEPTH = 33 km ± 0.33km
 STATIONS USED = 10, STAND DEV = 1.91s
 $M_s = 4.9 / 1,$

KSH	16.2	24	cP	00 46 29.3	-0.6
			cS	00 49 25.3	-3.6
			LN	$M_s = 4.9$	6.0 1.48
LSA	21.5	72	P	00 47 32.5	1.5
WMQ	25.1	36	cP	00 48 08.0	2.0
XAN	37.0	66	cP	00 49 51.8	1.1

1985 12 20

O = 01 52 55.4 ± 0.21s
 LAT = 39.42 N ± 2.48km

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LONG = 75.27 E ± 2.30km
 DEPTH = 15 km
 STATIONS USED = 28, STAND DEV = 2.94s
 Ms = 4.5 / 3, ML = 4.8 / 3,

KSH	0.6	86	-Pg	01 53 08.8	3.2		
			Sg	01 53 15.3	2.1		
			SME		2.0	28.7	
WMQ	10.3	61	P	01 55 25.5	-0.5		
			SMN		2.0	0.36	
GTA	19.0	82	P	01 57 17.3	-1.8		
			LE	Ms=4.5	9.0	0.68	
LZH	22.8	89	cP	01 58 00.5	1.2		
CD2	24.7	101	cP	01 58 23.6	5.8		
BTO	26.5	76	cP	01 58 34.0	-1.1		
			cS	02 03 03.0	-4.3		
			LN	Ms=4.6	12.0	0.40	
			LE		12.0	0.50	
			LZ	Ms=4.5	10.0	0.40	
XAN	27.4	91	cP	01 58 46.0	3.1		

1985 12 20
 O = 01 59 37.3 ± 0.18s
 LAT = 27.84 N ± 3.64km
 LONG = 140.53 E ± 4.06km
 DEPTH = 36 km ± 1.83km
 STATIONS USED = 12, STAND DEV = 4.04s
 Ms = 4.4 / 4, m_B = 5.0 / 1

SSE	17.1	286	P	02 03 32.0	-4.1		
			LE	Ms=4.4	10.0	0.74	
CN2	20.0	327	cP	02 04 08.0	-2.2		
TIA	21.5	299	cP	02 04 23.4	-1.9		
			cS	02 08 26.0	9.4		
			LE	Ms=4.2	14.0	0.47	
			LZ	Ms=4.4	13.0	0.63	
BJI	23.5	307	cP	02 04 44.0	-1.1		
			cS	02 08 58.0	5.0		
			SMN	m _B = 5.0	7.0	0.33	
TIY	25.5	300	cP	02 05 02.0	-2.5		
			csS	02 09 41.0	-1.8		
			LE	Ms=4.6	12.0	0.75	
XAN	27.7	291	cP	02 05 27.3	2.3		

1985 12 20
 O = 03 49 09.1 ± 0.17s
 LAT = 3.63 S ± 2.09km
 LONG = 140.35 E ± 3.33km
 DEPTH = 43 km ± 0.41km
 STATIONS USED = 67, STAND DEV = 1.85s
 Ms = 5.4 / 12, m_B = 5.8 / 8

QZN	37.5	308	cP	03 56 22.6	1.5		
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			PP	03 57 54.5	5.2		
			cS	04 02 15.0	8.3		
			ScS	04 06 26.5	-1.1		
SSE	39.1	333	+P	03 56 34.0	0.0		
			PMZ			1.0	0.070
			cpP	03 56 45.0	-0.2		
			cPP	03 58 09.0	1.3		
			iS	04 02 33.0	2.9		
			sS	04 02 47.0	-2.1		
			SS	04 05 22.0	7.0		
			ScS	04 06 40.0	3.6		
			LN	Ms=5.4	24.0	3.52	
			LE		24.0	3.01	
NJ2	40.9	332	+P	03 56 50.0	0.5		
			S	04 03 02.0	4.8		
			SME	m _B = 6.0	8.0	2.30	
			SS	04 06 02.0	5.9		
			LN	Ms=5.5	22.0	4.20	
WHN	42.1	326	cP	03 56 58.0	-0.9		
			pP	03 57 08.3	-1.9		
			S	04 03 12.0	-2.1		
			LE	Ms=5.1	14.0	1.19	
GYA	44.2	315	P	03 57 18.0	1.5		
			pP	03 57 29.0	1.4		
			S	04 03 51.0	5.7		
TIA	45.2	333	cP	03 57 24.8	0.7		
			S	04 04 00.0	0.9		
DL2	45.7	340	cP	03 57 34.0	5.7		
KMI	46.4	310	+P	03 57 34.5	0.9		
			cS	04 04 22.0	4.7		
			sS	04 04 34.0	-2.0		
			LE	Ms=5.1	18.0	1.30	
SNY	47.7	343	-P	03 57 43.8	-0.4		
			pP	03 57 54.0	-1.5		
			S	04 04 38.0	2.5		
			SMN	m _B = 5.9	6.0	0.50	
			SME		9.0	1.23	
			sS	04 04 50.0	-5.8		
			LN	Ms=5.5	21.0	3.00	
			LE		21.0	2.07	
XAN	47.8	324	cP	03 57 43.8	-0.7		
			pP	03 57 53.0	-2.7		
			S	04 04 36.0	0.2		
			SME	m _B = 5.5	9.0	0.60	
TIY	48.6	330	cP	03 57 51.0	-0.1		
			S	04 04 50.5	2.8		
			SME	m _B = 5.6	8.0	0.66	
			LN	Ms=5.5	18.0	2.26	
			LE		17.0	1.21	
BJI	48.8	335	cP	03 57 51.0	-1.4		

	epP	03 58 04.0	0.3		NJ2	78.7	309	+P	11 09 49.8	0.5	
	eS	04 04 52.0	0.7		MDJ	78.9	325	+iP	11 09 50.5	0.3	
	SME	$m_B = 5.8$	7.0	0.81	SNY	80.7	320	cP	11 09 59.0	-0.7	
	esS	04 05 10.0	-0.5		CN2	80.7	322	-P	11 09 59.3	-0.5	
	eSS	04 08 20.0	3.5		WHN	81.4	306	+P	11 10 03.5	0.4	
	LN	$M_s = 5.6$	20.0	3.66	BJI	84.5	315	cP	11 10 19.0	0.2	
CD2	49.0	317	eP	03 57 53.6	-0.1	GYA	85.8	299	P	11 10 25.6	0.5
	eS	04 04 56.0	2.3		TIY	86.0	312	P	11 10 26.6	0.6	
	LN	$M_s = 5.4$	20.0	1.50	XAN	87.0	307	+P	11 10 31.0	0.3	
	LE		19.0	1.80	GTA	95.8	309	P	11 11 11.0	-0.1	
MDJ	49.0	350	+P	03 57 53.6	-0.2	1985 12 20 O = 11 41 02.6 $\pm 0.12s$ LAT = 10.27 N $\pm 1.48km$ LONG = 92.78 E $\pm 1.43km$ DEPTH = 64 km $\pm 0.15km$ STATIONS USED = 62, STAND DEV = 1.26s $M_s = 4.6 / 6,$					
	pP	03 58 01.9	-3.2								
	S	04 04 57.0	4.2								
	LZ	$M_s = 5.4$	10.0	1.30							
CN2	49.1	346	-P	03 57 53.6	-1.0						
	PMZ	$m_B = 6.0$	5.0	0.90	KMI	17.5	31	cP	11 45 05.0	0.2	
	PcP	03 59 18.0	0.8		LSA	19.4	356	P	11 45 26.0	-0.7	
	eS	04 04 57.0	1.7					eS	11 49 04.0	6.4	
	SME	$m_B = 5.7$	7.0	0.80				LE	$M_s = 4.3$	7.0	0.3
	ScS	04 07 42.0	3.1		GYA	20.8	37	P	11 45 40.6	-0.4	
	eSS	04 08 24.0	2.7					S	11 49 25.6	2.0	
	LZ	$M_s = 5.7$	21.0	5.30	CD2	22.9	25	P	11 46 02.5	0.2	
HHC	51.5	332	P	03 58 14.0	0.9			eS	11 50 10.0	6.2	
	S	04 05 26.0	-1.6					LN	$M_s = 4.7$	21.0	1.93
	LN	$M_s = 5.3$	18.0	1.50	GZH	23.4	54	-P	11 46 08.0	1.0	
BTO	52.0	331	eP	03 58 17.5	0.3			cS	11 50 14.0	1.8	
	pP	03 58 25.5	-2.9		LZH	27.6	20	-iP	11 46 47.0	0.5	
	S	04 05 38.0	3.0		XAN	27.9	30	+P	11 46 46.8	-2.3	
	sS	04 05 51.5	-4.0		WHN	28.5	42	cP	11 46 54.5	0.5	
	LN	$M_s = 5.5$	18.0	2.00	GTA	29.7	11	+iP	11 47 05.3	0.1	
	LE		18.0	1.90	NJ2	32.4	44	+P	11 47 30.0	1.1	
LZH	52.2	322	eP	03 58 15.5	-3.0			LZ	$M_s = 4.5$	20.0	0.60
GTA	56.8	323	P	03 58 50.3	-1.6	TIY	32.5	30	cP	11 47 29.8	-0.4
	S	04 06 41.5	2.7					S	11 52 39.5	0.4	
	SME	$m_B = 5.3$	10.0	0.47				LN	$M_s = 4.6$	11.0	0.39
LSA	57.6	309	P	03 59 01.5	3.7	KSH	32.7	336	cP	11 47 32.0	0.4
	eS	04 06 50.0	-1.1		WMQ	33.7	353	P	11 47 42.0	1.6	
WMQ	66.7	321	eP	03 59 58.5	-0.2			eS	11 53 06.5	8.1	
	pP	04 00 10.0	-0.3		BTO	33.8	24	cP	11 47 41.0	-0.5	
	S	04 08 51.5	6.7		HHC	34.7	25	+P	11 47 48.6	-0.1	
KSH	72.9	313	cP	04 00 34.5	-1.8	BJI	36.2	31	cP	11 48 01.5	0.1
	pP	04 00 47.0	-0.7		DL2	38.4	37	cP	11 48 20.0	-0.1	
	eS	04 10 07.5	9.0		SNY	41.5	35	cP	11 48 44.6	-0.5	
								cS	11 54 51.0	-4.7	
								LN	$M_s = 5.0$	21.0	0.86
								LE		21.0	1.16
					CN2	43.8	34	+iP	11 49 03.4	-0.7	
1985 12 20 O = 10 58 48.7 $\pm 0.07s$ LAT = 18.27 S $\pm 1.63km$ LONG = 177.70 W $\pm 0.77km$ DEPTH = 632 km $\pm 0.98km$ STATIONS USED = 33, STAND DEV = 0.79s											

eS	11 55 30.0	0.3		
LZ	Ms=5.0	20.0	1.30	
1985 12 20				
O=12 16 10.9	± 0.09s			
LAT=10.29 S	± 1.18km			
LONG=161.28 E	± 1.50km			
DEPTH= 94 km	± 0.53km			
STATIONS USED = 27, STAND DEV = 1.47s				
SNY	62.4 329 eP	12 26 25.3	-1.1	
CN2	62.9 332 +P	12 26 28.8	-1.4	
XAN	66.4 314 eP	12 26 52.0	-0.8	
KMI	67.0 303 eP	12 27 01.5	4.7	
CD2	68.7 309 P	12 27 08.8	1.8	
GTA	75.4 315 eP	12 27 47.0	0.0	

1985 12 20				
O=14 28 27.5	± 0.04s			
LAT=28.06 N	± 1.24km			
LONG=140.54 E	± 0.97km			
DEPTH= 32 km	± 0.64km			
STATIONS USED = 9, STAND DEV = 1.22s				
m _B = 5.3 / 1				
BJI	23.4 307 eP	14 33 35.5	1.0	
	eS	14 37 48.0	6.1	
	SMN	m _B = 5.3	6.0	0.56
	eSS	14 38 36.0	7.4	
TIY	25.4 299 eP	14 33 52.8	-1.4	
XAN	27.7 290 eP	14 34 13.8	-1.2	
CD2	32.1 284 eP	14 34 54.8	0.8	

1985 12 21				
O=00 14 21.1	± 0.07s			
LAT=13.91 S	± 0.79km			
LONG=166.73 E	± 1.48km			
DEPTH= 30 km	± 0.60km			
STATIONS USED = 32, STAND DEV = 0.85s				
Ms=5.1 / 1,				
NJ2	64.7 316 +P	00 24 59.0	-0.4	
MDJ	67.3 332 eP	00 25 14.5	-1.5	
SNY	68.2 327 eP	00 25 21.8	0.0	
CN2	68.7 329 P	00 25 23.8	-0.7	
GYA	70.8 305 P	00 25 38.0	0.2	
BJI	71.3 321 eP	00 25 40.0	-0.5	
TIY	72.3 317 eP	00 25 47.1	0.5	
	sS	00 35 18.5	-3.3	
	LE	Ms=5.1	11.0	0.37
XAN	72.8 313 +P	00 25 49.0	-0.2	
KMI	73.4 302 +P	00 25 54.0	0.6	
HHC	74.6 320 P	00 26 01.5	1.3	

CD2	75.1 308 eP	00 26 03.8	0.9	
	S	00 35 41.6	4.6	
BTO	75.5 319 eP	00 26 03.8	-1.3	
GTA	81.7 314 P	00 26 39.4	0.0	
WMQ	91.8 315 P	00 27 27.8	-0.6	
1985 12 21				
O=01 13 22.1	± 0.16s			
LAT=13.86 S	± 2.09km			
LONG=166.55 E	± 2.55km			
DEPTH= 44 km	± 0.76km			
STATIONS USED = 85, STAND DEV = 1.56s				
Ms=7.0 / 20, m _B =6.9 / 23				
QZH	60.6 309 +iP	01 23 32.0	0.6	
	PMZ	m _B =7.2	8.0	22.7
	sP	01 23 50.0	2.3	
	PP	01 25 42.5	-3.7	
	S	01 31 47.0	5.4	
	LN	Ms=6.8	20.0	36.9
	LE		18.0	22.2
SSE	62.4 316 +P	01 23 43.5	0.0	
	PMZ	m _B =6.7	12.0	10.6
	pP	01 23 52.0	-3.2	
	sP	01 23 58.0	-2.0	
	PP	01 26 04.0	1.9	
	PcS	01 28 23.0	-0.3	
	iS	01 32 09.0	3.4	
	SMN	m _B =6.9	12.0	13.1
	SME		12.0	11.2
	sS	01 32 25.5	0.1	
	ScS	01 33 27.0	-0.1	
	LN	Ms=6.9	17.0	19.2
	LE		18.0	46.7
GZH	63.7 305 +P	01 23 53.0	0.9	
	PMZ		16.0	38.5
	PP	01 26 18.0	4.9	
	iS	01 32 30.0	8.2	
	SMN	m _B =6.9	12.0	14.7
	SME		12.0	14.8
	LN	Ms=7.0	18.0	26.6
	LE		20.0	54.2
NJ2	64.6 316 +iP	01 23 58.0	0.3	
	PMZ		14.0	15.0
	PP	01 26 28.0	7.2	
	iS	01 32 40.0	7.6	
	LE	Ms=7.2	18.0	90.9
QZN	64.7 299 +P	01 24 00.0	1.4	
	PMZ		16.0	24.3
	PP	01 26 27.0	5.0	
	ScP	01 28 25.0	-3.3	

	PcS	01 28 32.5	-1.0					S	01 33 23.0	7.5		
	iS	01 32 43.0	8.9					SMN	$m_B = 6.8$	12.0	6.00	
	SMN			16.0	25.8			SME		12.0	12.3	
	SME			12.0	11.2			CN2	68.5 329	+iP	01 24 21.8	-1.1
	ScS	01 33 47.0	2.5					PMZ	$m_B = 6.9$	7.5	10.9	
	LN	$M_s = 7.1$		27.0	58.7			GYA	70.6 305	+P	01 24 37.0	1.1
	LE			29.0	88.8			PMZ	$m_B = 6.4$	12.0	6.70	
WHN	66.8 312	+iP	01 24 13.0	0.8				PP	01 27 20.0	6.4		
		PMZ	$m_B = 6.9$	6.0	9.78			S	01 33 51.0	7.1		
		PcP	01 24 40.0	0.3				SMN	$m_B = 6.8$	12.0	8.00	
		iPP	01 26 43.0	2.6				SME		12.0	9.50	
		PcS	01 28 40.0	-3.0				LE	$M_s = 6.7$	20.0	29.3	
		iS	01 33 06.0	5.9				BJI	71.1 321	cP	01 24 38.5	-0.3
		SME	$m_B = 6.7$	11.0	10.8			PMZ		16.0	31.2	
		SS	01 37 28.0	8.7				cPP	01 27 15.0	-3.0		
		LN	$M_s = 7.0$	16.0	27.0			cS	01 33 53.0	1.8		
		LE		18.0	38.4			SMN	$m_B = 7.0$	11.0	10.2	
DL2	67.2 323	+iP	01 24 15.0	0.6				SME		11.0	11.6	
		pP	01 24 26.0	-0.1				cSS	01 38 32.0	6.0		
		sP	01 24 29.9	-1.0				LN	$M_s = 7.4$	21.0	126	
		PP	01 26 49.0	5.7				LE		22.0	51.2	
		S	01 33 05.0	2.0				TIY	72.1 318	+iP	01 24 44.0	-0.9
		SMN	$m_B = 7.0$	11.0	12.0			PP	01 27 19.5	-6.5		
		SME		11.0	15.9			iS	01 34 08.0	5.0		
		LN	$M_s = 6.5$	11.0	6.60			SMN	$m_B = 7.0$	12.0	12.1	
		LE		20.0	12.7			SME		10.0	13.8	
MDJ	67.2 332	+iP	01 24 13.8	-0.6				LN	$M_s = 7.1$	16.0	26.5	
		iPcP	01 24 40.0	-1.2				LE		19.0	59.5	
		PP	01 26 45.0	1.7				XAN	72.6 313	+P	01 24 47.0	-0.5
		PcS	01 28 43.0	-1.5				PMZ		13.0	19.1	
		S	01 33 09.0	6.0				PcP	01 25 05.0	1.0		
		SMN	$m_B = 7.4$	5.0	23.4			PP	01 27 29.0	-1.1		
		SS	01 37 31.0	6.4				iS	01 34 10.0	2.1		
		LN	$M_s = 7.1$	20.0	71.4			SMN	$m_B = 7.1$	12.0	13.2	
SNY	68.1 327	+iP	01 24 20.0	-0.1				SME		11.0	14.4	
		pP	01 24 29.0	-2.8				SS	01 38 45.0	-3.2		
		sP	01 24 40.0	3.3				LN	$M_s = 7.2$	18.0	39.4	
		PP	01 26 55.0	3.4				LE		20.0	69.2	
		ScP	01 28 45.0	1.6				KMI	73.3 302	+iP	01 24 52.0	0.4
		PcS	01 28 48.0	-0.5				sP	01 25 05.0	-2.9		
		S	01 33 21.5	7.6				PP	01 27 40.0	4.2		
		SMN	$m_B = 6.8$	12.0	13.3			iS	01 34 22.0	6.2		
		SME		11.0	0.40			SME	$m_B = 6.8$	10.0	9.67	
		sS	01 33 40.0	4.8				SKS	01 34 51.0	3.3		
		LN	$M_s = 7.1$	19.0	58.1			LE	$M_s = 7.0$	20.0	51.2	
		LE		18.0	26.3			HHC	74.5 320	-iP	01 25 00.0	1.4
TIA	68.2 319	+P	01 24 20.0	-0.9				PcP	01 25 16.0	4.0		
		PMZ	$m_B = 6.7$	11.0	11.8			PP	01 27 45.0	-0.8		
		sP	01 24 40.0	2.5				S	01 34 31.0	3.5		
		PP	01 26 52.0	-0.7				SMN	$m_B = 7.2$	11.0	11.0	

DEPTH = 36 km ± 0.51km							
STATIONS USED = 78, STAND DEV = 1.16s							
Ms = 6.1 / 15,				m _B = 6.4 / 22			
QZH	60.9	309	+iP	02 56 45.5	0.3		
			PP	02 59 05.5	4.8		
			iS	03 05 03.5	4.3		
			SMN	m _B = 6.0	9.0	1.77	
			LE	Ms = 5.8	18.0	4.26	
SSE	62.7	316	+P	02 56 56.0	-1.2		
			PMZ		1.7	0.40	
			pP	02 57 06.0	-1.3		
			PcP	02 57 35.0	0.3		
			cPP	02 59 16.0	-0.1		
			S	03 05 26.0	5.4		
			sS	03 05 38.0	-0.7		
			ScS	03 06 42.0	-0.1		
			LN	Ms = 6.0	13.0	3.00	
			LE		13.0	2.66	
GZH	64.0	305	+P	02 57 06.5	0.7		
			PMZ	m _B = 6.4	8.0	3.88	
			iS	03 05 44.0	5.9		
			LN	Ms = 5.7	18.0	0.53	
			LE		14.0	2.40	
NJ2	64.8	316	-P	02 57 11.0	-0.3		
			PMZ	m _B = 6.3	10.0	3.70	
			iS	03 05 53.0	4.4		
			SMN	m _B = 6.5	10.0	5.80	
			LN	Ms = 6.1	15.0	6.20	
QZN	65.0	299	+P	02 57 13.0	0.7		
			pP	02 57 24.0	1.6		
			PP	02 59 42.0	5.5		
			S	03 05 51.5	2.4		
			SMN	m _B = 6.3	11.0	3.80	
			sS	03 06 12.0	4.7		
			SS	03 10 13.0	9.9		
			LN	Ms = 5.9	16.0	3.60	
WHN	67.1	312	+iP	02 57 26.0	0.2		
			PMZ	m _B = 6.7	4.0	3.52	
			S	03 06 20.0	4.9		
			SMN	m _B = 6.2	12.0	3.18	
			LN	Ms = 6.2	18.0	8.38	
MDJ	67.4	332	+iP	02 57 28.0	0.1		
			S	03 06 21.0	2.1		
			SMN	m _B = 6.9	5.0	5.20	
			SME		4.5	3.10	
DL2	67.5	323	+iP	02 57 28.0	0.0		
SNY	68.4	327	+iP	02 57 34.1	0.5		
TIA	68.5	319	-P	02 57 33.3	-1.2		
			PMZ	m _B = 6.4	7.0	3.17	
			cS	03 06 35.0	2.1		
			LN	Ms = 6.1	17.0	2.74	
			LE		17.0	3.20	
			CN2	68.8 329 +P	02 57 35.3	-1.1	
			PMZ	m _B = 6.5	6.0	3.40	
			cS	03 06 31.0	-5.5		
			LZ	Ms = 6.2	15.0	6.40	
			GYA	70.9 305 P	02 57 49.0	-0.5	
			PMZ	m _B = 6.4	4.0	2.00	
			S	03 07 06.0	5.9		
			SMN	m _B = 6.3	10.0	2.90	
			BJI	71.4 321 +P	02 57 51.5	-0.8	
			PMZ	m _B = 6.3	8.0	3.22	
			cS	03 07 04.0	-3.2		
			SMN	m _B = 6.3	11.0	3.40	
			LN	Ms = 6.0	16.0	4.74	
			TIY	72.4 317 +iP	02 57 59.0	0.6	
			PMZ	m _B = 6.6	5.0	3.92	
			pP	02 58 09.0	0.6		
			S	03 07 19.0	1.6		
			SMN	m _B = 6.3	12.0	3.32	
			sS	03 07 35.5	-0.2		
			LE	Ms = 6.1	20.0	5.87	
			XAN	72.9 313 +P	02 58 00.1	-0.9	
			PMZ	m _B = 6.4	6.0	3.00	
			S	03 07 25.5	3.1		
			SMN		14.0	5.40	
			LN	Ms = 6.2	18.0	7.20	
			KMI	73.5 302 -iP	02 58 06.0	0.9	
			iS	03 07 38.0	6.2		
			LZ	Ms = 6.5	20.0	17.7	
			HHC	74.7 320 -iP	02 58 12.0	-0.1	
			CD2	75.2 308 cP	02 58 15.0	0.4	
			S	03 07 51.5	2.9		
			BTO	75.6 319 +iP	02 58 17.0	0.1	
			PMZ	m _B = 6.3	7.0	2.60	
			cPP	03 01 04.0	-3.3		
			iS	03 07 50.0	-4.5		
			SMN	m _B = 6.4	10.0	3.20	
			SME		8.0	0.90	
			SKS	03 08 20.0	2.3		
			LN	Ms = 6.3	18.0	7.70	
			LE		18.0	5.00	
			LZH	77.5 312 -P	02 58 28.5	0.7	
			GTA	81.8 314 -iP	02 58 51.8	0.7	
			PMZ	m _B = 6.4	11.0	4.60	
			PP	03 01 57.5	-1.9		
			iS	03 09 06.0	4.9		
			SMN	m _B = 6.4	9.0	2.36	
			LN	Ms = 6.3	19.5	7.38	
			LSA	84.8 302 +iP	02 59 06.5	0.1	

SSE	7.6	151	cP	08 52 38.8	0.3		
			cLG ₁	08 54 46.0	2.8		
			LG ₂	08 55 00.0	4.8		
			SME			M _L = 5.1	1.4 0.70
GTA	13.4	282	P	08 53 57.3	-1.2		
			LG ₂	08 58 06.6	-1.0		
			SMN				1.0 0.010

WHN	67.0	312	P	10 12 52.0	1.6		
			S	10 21 48.5	9.6		
			LN			M _s = 5.8	18.0 3.34
DL2	67.4	323	cP	10 12 52.0	-0.9		
			pP	10 13 01.0	-2.0		
			S	10 21 46.0	2.5		
			LN			M _s = 6.0	16.0 3.80
			LE				16.0 2.56

1985 12 21
 O = 09 44 05.0 ± 0.08s
 LAT = 14.22 S ± 1.06km
 LONG = 166.62 E ± 1.72km
 DEPTH = 35 km ± 0.52km
 STATIONS USED = 15, STAND DEV = 1.56s

CN2	68.9	329	+P	09 55 08.3	-0.6		
BJI	71.5	321	cP	09 55 24.5	-0.1		
XAN	72.9	313	cP	09 55 33.0	-0.1		
GTA	81.9	314	P	09 56 24.0	0.8		

MDJ	67.4	332	+P	10 12 51.6	-1.5		
SNY	68.3	327	+iP	10 12 58.3	-0.4		
			S	10 22 00.0	5.4		
			SMN				22.0 3.11
			SME				22.0 2.17
			LN			M _s = 6.0	21.0 4.60
			LE				26.0 4.68

1985 12 21
 O = 10 01 58.5 ± 0.18s
 LAT = 14.12 S ± 2.29km
 LONG = 166.50 E ± 2.84km
 DEPTH = 35 km ± 0.68km
 STATIONS USED = 69, STAND DEV = 1.79s
 M_s = 5.9 / 15, m_B = 6.0 / 3

SSE	62.6	317	cP	10 12 20.0	-1.9		
			pP	10 12 31.0	-0.9		
			sP	10 12 35.0	-1.1		
			PP	10 14 40.0	-0.6		
			S	10 20 47.0	2.4		
			SMN				22.0 4.32
			sS	10 21 04.0	1.4		
			ScS	10 22 08.0	1.3		
			SS	10 24 56.0	4.9		
			LE			M _s = 5.7	13.0 2.00

TIA	68.4	319	cP	10 12 58.1	-1.2		
			S	10 22 00.0	4.2		
			LN			M _s = 5.8	24.0 3.38
			LE				28.0 2.76

GZH	63.8	305	cP	10 12 32.0	1.9		
			S	10 21 06.8	6.5		
			LN			M _s = 5.9	22.0 3.60
			LE				22.0 4.40

CN2	68.7	329	+P	10 13 00.0	-1.5		
			PMZ			m _B = 6.3	6.0 2.10
			cPP	10 15 33.0	-1.9		
			cS	10 22 00.0	-1.3		
			SME				20.0 3.30
			SS	10 26 24.0	-2.8		
			LZ			M _s = 6.0	24.0 6.10

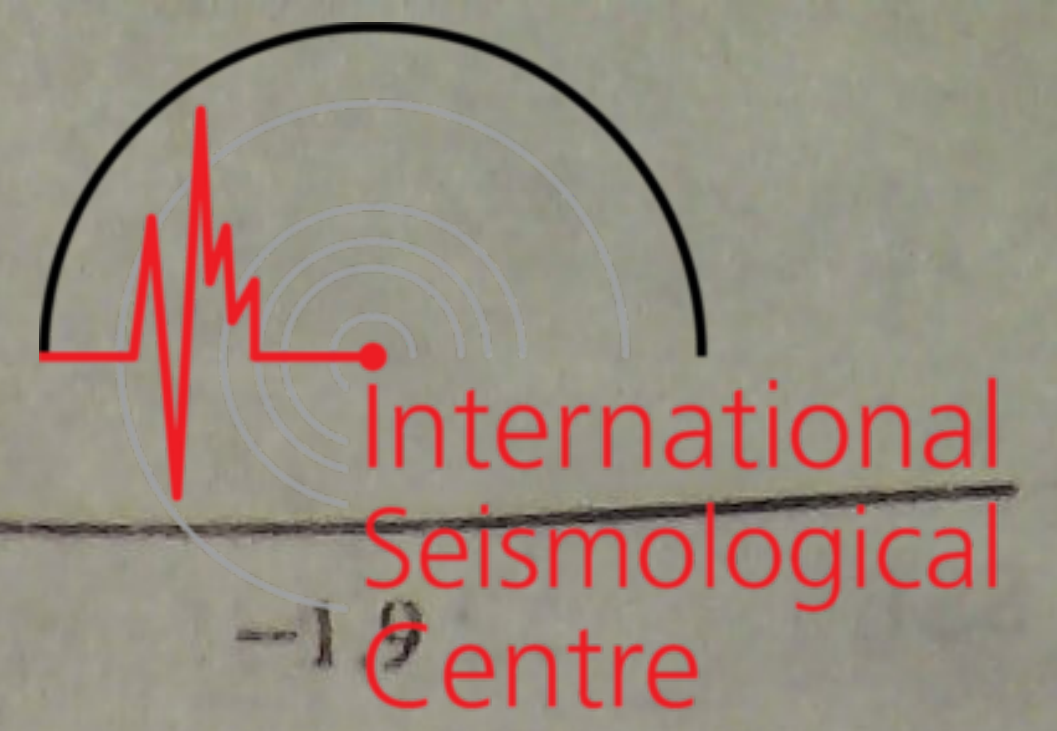
NJ2	64.7	316	+P	10 12 38.5	2.5		
			S	10 21 18.0	6.6		
			SME				20.0 3.80
			LE			M _s = 6.0	21.0 6.20

GYA	70.8	305	P	10 13 16.0	2.0		
			S	10 22 30.0	6.4		
			LN			M _s = 5.9	16.0 3.20
BJI	71.3	321	cP	10 13 16.5	-0.7		
TIY	72.3	318	cP	10 13 22.6	-0.6		
			PMZ				1.3 0.18
			S	10 22 50.5	9.0		
			LN			M _s = 5.8	16.0 2.00
			LE				14.0 1.10

QZN	64.8	299	cP	10 12 38.5	2.0		
			sP	10 12 54.0	3.3		
			PcS	10 17 16.5	5.0		
			cS	10 21 23.0	9.5		
			SMN				16.5 3.80
			LE			M _s = 5.6	16.0 2.20

XAN	72.7	313	-P	10 13 25.3	-0.4		
			PMZ			m _B = 6.0	8.0 1.70
			S	10 22 49.0	2.6		
KMI	73.4	302	+P	10 13 29.5	0.0		
			S	10 22 58.0	4.6		
			LZ			M _s = 5.9	28.0 5.45
HHC	74.6	320	cP	10 13 37.0	0.1		
			PP	10 16 27.0	2.0		
			S	10 23 15.0	7.2		
			LN			M _s = 5.8	17.0 2.52
CD2	75.0	308	cP	10 13 36.6	-2.6		
BTO	75.5	319	cP	10 13 44.3	2.6		
			cS	10 23 23.5	4.7		
			LN			M _s = 6.0	18.0 4.30
			LE				18.0 2.10

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LZH	77.4	312	P	10 13 53.0	0.5		
GTA	81.7	314	+P	10 14 15.6	-0.3		
			sP	10 14 29.5	-0.4		
			eS	10 24 31.0	5.7		
			SME	$m_B = 5.9$	9.0	0.90	
LSA	84.6	302	eP	10 14 30.8	-0.2		
			eS	10 24 54.0	-1.0		
WMQ	91.8	315	P	10 15 03.8	-1.2		
			eS	10 26 00.0	-1.1		
			SS	10 32 20.0	9.4		
			LN	$M_s = 6.0$	40.0	7.68	

1985 12 21

O = 10 10 39.7 ± 0.09s
 LAT = 24.70 N ± 1.62km
 LONG = 125.78 E ± 1.36km
 DEPTH = 31 km ± 0.41km
 STATIONS USED = 32, STAND DEV = 2.03s
 $M_s = 4.7 / 4, M_L = 4.3 / 2,$

QZH	6.5	274	eP	10 12 17.0	0.8		
			S	10 13 27.0	-3.4		
			SMN	$M_L = 4.5$	0.8	0.32	
			SME		0.8	0.20	
TIA	13.7	329	-P	10 13 51.0	-3.0		
			LE	$M_s = 4.7$	18.0	3.85	
SNY	17.2	354	eP	10 14 40.3	1.2		
			LE	$M_s = 4.7$	22.0	2.78	
TIY	17.3	322	P	10 14 42.6	2.4		
			LE	$M_s = 4.9$	17.0	3.49	
XAN	17.4	306	P	10 14 44.0	2.4		
BTO	20.6	324	eP	10 15 18.5	-0.9		
GTA	26.3	310	+iP	10 16 13.3	-1.8		
			LN	$M_s = 4.7$	14.0	1.06	
LSA	31.1	287	P	10 16 58.3	-0.2		

1985 12 21

O = 10 31 04.1 ± 0.20s
 LAT = 12.50 N ± 3.01km
 LONG = 142.98 E ± 2.54km
 DEPTH = 30 km ± 0.52km
 STATIONS USED = 40, STAND DEV = 2.61s

SSE	27.3	316	eP	10 36 50.5	1.9		
			PMZ			1.5	0.080
NJ2	29.5	315	eP	10 37 09.0	1.0		
WHN	32.0	309	eP	10 37 28.0	-2.0		
TIA	33.1	320	eP	10 37 41.3	1.0		
CN2	34.7	337	eP	10 37 57.0	3.8		
BJI	36.2	324	eP	10 38 05.5	-0.9		
GYA	36.8	298	P	10 38 16.6	5.0		
TIY	37.1	318	eP	10 38 12.5	-1.2		

XAN	37.7	310	eP	10 38 16.8	-1.9		
KMI	39.9	294	eP	10 38 37.5	-0.5		
BTO	40.2	320	eP	10 38 39.0	-1.3		
CD2	40.5	303	P	10 38 41.4	-1.1		
LZH	42.3	311	P	10 39 02.5	5.2		
GTA	46.5	313	eP	10 39 29.6	-1.8		
WMQ	56.6	315	eP	10 40 45.6	-1.3		

1985 12 21

O = 11 09 51.7 ± 0.08s
 LAT = 14.13 S ± 1.13km
 LONG = 166.78 E ± 2.38km
 DEPTH = 36 km ± 0.35km
 STATIONS USED = 56, STAND DEV = 0.96s
 $M_s = 5.0 / 1, m_B = 5.6 / 1$

SSE	62.8	316	P	11 20 15.3	-1.0		
			PMZ			1.2	0.050
NJ2	64.9	316	-P	11 20 30.3	-0.1		
WHN	67.2	312	eP	11 20 44.5	-0.4		
			MDJ	67.5	332	+P	11 20 46.6
DL2	67.5	323	eP	11 20 46.0	-1.1		
SNY	68.4	327	eP	11 20 51.8	-1.0		
TIA	68.6	319	+P	11 20 53.0	-0.6		
CN2	68.9	329	+P	11 20 54.5	-1.1		
			PMZ	$m_B = 5.6$	5.0	0.40	
GYA	71.0	305	P	11 21 08.6	0.1		
BJI	71.5	321	+P	11 21 11.0	-0.4		
TIY	72.5	317	+P	11 21 17.9	0.4		
			sP	11 21 31.0	-0.8		
XAN	72.9	313	+iP	11 21 20.0	-0.1		
			S	11 30 39.0	2.2		
KMI	73.6	302	+P	11 21 24.0	-0.1		
HHC	74.8	320	-P	11 21 32.0	0.9		
CD2	75.3	308	eP	11 21 33.8	0.2		
BTO	75.7	319	P	11 21 36.0	0.1		
GTA	81.9	314	+iP	11 22 10.4	0.3		
LSA	84.8	302	+P	11 22 25.3	0.0		
WMQ	92.0	315	+iP	11 22 58.5	-0.5		

1985 12 21

O = 13 11 29.1 ± 0.04s
 LAT = 14.09 S ± 0.56km
 LONG = 166.86 E ± 1.20km
 DEPTH = 34 km ± 0.21km
 STATIONS USED = 14, STAND DEV = 0.92s

CN2	68.9	329	+P	13 22 32.6	-0.7		
TIY	72.5	317	eP	13 22 56.4	1.1		
KMI	73.6	302	eP	13 23 01.5	-0.5		
GTA	81.9	314	eP	13 23 48.4	0.5		

1985 12 21
 O = 13 32 12.6 ± 0.21s
 LAT = 12.68 N ± 3.74km
 LONG = 142.95 E ± 2.15km
 DEPTH = 30 km ± 0.58km
 STATIONS USED = 17, STAND DEV = 3.21s

BJI	36.0	324	cP	13 39 13.5	-0.1
TIY	36.9	318	P	13 39 21.6	0.5
XAN	37.5	310	cP	13 39 32.6	6.4
CD2	40.4	303	cP	13 39 49.3	-0.9
LZH	42.2	310	P	13 40 05.3	0.5
GTA	46.4	313	P	13 40 38.8	-0.1
WMQ	56.4	314	P	13 41 54.5	0.0

1985 12 21
 O = 14 40 29.9 ± 0.12s
 LAT = 14.08 S ± 1.65km
 LONG = 166.49 E ± 2.85km
 DEPTH = 35 km ± 0.70km
 STATIONS USED = 54, STAND DEV = 1.50s
 Ms = 5.2 / 4, m_B = 5.9 / 7

SSE	62.5	317	cP	14 50 55.0	2.0
			sP	14 51 11.0	3.9
			eS	14 59 20.0	3.2
			LE	Ms = 5.2	16.0 0.86
NJ2	64.7	316	cP	14 51 06.8	-0.3
			LZ	Ms = 4.8	16.0 0.30
WHN	66.9	312	cP	14 51 24.0	2.4
MDJ	67.4	332	cP	14 51 21.4	-2.8
			S	15 00 21.5	6.7
			SMN	m _B = 6.4	4.5 0.90
			SME		4.5 1.60
SNY	68.2	327	cP	14 51 31.6	1.8
			S	15 00 27.1	1.6
			SMN	m _B = 5.9	9.0 0.83
			SME		9.0 0.64
TIA	68.3	319	cP	14 51 28.4	-2.1
			LN	Ms = 5.2	18.0 0.60
			LE		18.0 0.50
CN2	68.7	329	cP	14 51 31.6	-1.0
			eS	15 00 34.0	1.7
			SME	m _B = 5.7	12.0 0.90
			LZ	Ms = 5.3	15.0 0.80
BJI	71.3	321	cP	14 51 48.0	-0.4
			eS	15 01 03.0	0.5
			SMN	m _B = 5.6	10.0 0.58
TIY	72.3	318	cP	14 51 54.3	0.0
			S	15 01 18.0	5.5
XAN	72.7	313	cP	14 51 56.3	-0.5

			S	15 01 22.0	4.6
			SMN	m _B = 5.8	9.0 0.81
KMI	73.3	302	+P	14 52 02.5	1.8
HHC	74.6	320	cP	14 52 08.0	-0.1
CD2	75.0	308	cP	14 52 10.4	0.0
BTO	75.4	319	cP	14 52 11.0	-1.9
			S	15 01 52.0	3.9
LZH	77.3	312	P	14 52 24.3	0.7
			SME	m _B = 5.9	8.0 0.83
GTA	81.7	314	+P	14 52 47.0	-0.1
			S	15 03 00.0	5.6
			SMN	m _B = 6.0	8.0 0.96
WMQ	91.7	315	cP	14 53 36.0	-0.2
			cPP	14 57 13.8	-2.4
			S	15 04 32.0	1.7

1985 12 21
 O = 17 50 16.3 ± 0.20s
 LAT = 12.41 N ± 3.01km
 LONG = 142.89 E ± 3.01km
 DEPTH = 32 km ± 0.45km
 STATIONS USED = 32, STAND DEV = 3.24s
 Ms = 4.7 / 1,

WHN	32.0	309	cP	17 56 41.0	-0.9
SNY	33.8	334	cP	17 57 01.3	3.4
CN2	34.7	338	cP	17 57 11.0	5.3
BJI	36.2	324	cP	17 57 17.5	-1.0
TIY	37.1	318	P	17 57 25.5	-0.3
			S	18 03 14.0	5.6
			LE	Ms = 4.7	14.0 0.55
XAN	37.6	311	cP	17 57 29.4	-1.3
KMI	39.9	294	cP	17 57 49.5	-0.1
CD2	40.5	303	cP	17 57 52.8	-1.5
LZH	42.3	311	P	17 58 16.0	6.8
GTA	46.5	313	P	17 58 41.8	-1.6
WMQ	56.6	315	cP	17 59 56.5	-2.4

1985 12 21
 O = 18 54 56.3 ± 0.11s
 LAT = 30.60 N ± 1.40km
 LONG = 132.24 E ± 1.63km
 DEPTH = 63 km ± 1.08km
 STATIONS USED = 18, STAND DEV = 1.39s

BJI	16.1	310	cP	18 58 43.5	2.9
TIY	17.8	299	cP	18 59 02.4	0.3
HHC	19.6	307	cP	18 59 23.3	0.7
XAN	20.0	286	+P	18 59 24.8	-1.8
BTO	20.6	305	cP	18 59 32.0	-0.9
GYA	22.8	266	P	18 59 56.0	0.8
CD2	24.5	278	cP	19 00 10.8	-0.1

GTA 27.9 297 P 19 00 41.3 -1.4

1985 12 21

O=21 21 40.8 ± 0.06s
 LAT=38.86 N ± 1.11km
 LONG= 97.93 E ± 0.49km
 DEPTH= 15 km
 STATIONS USED = 5, STAND DEV= 1.62s

$M_L=3.5/3,$

WMQ 9.2 306 cP 21 23 55.5 -0.2
 LG₁ 21 26 21.5 -6.8
 SMN 1.0 0.010

1985 12 21

O=21 39 16.0 ± 0.13s
 LAT=42.77 N ± 3.14km
 LONG=147.38 E ± 2.10km
 DEPTH= 23 km ± 0.52km
 STATIONS USED = 35, STAND DEV= 2.18s

CN2	16.0	281	cP	21 42 59.3	-2.3
SNY	17.6	275	cP	21 43 23.8	1.8
BJI	23.5	274	cP	21 44 24.5	-0.9
TIA	24.2	264	cP	21 44 33.3	1.4
HHC	26.6	278	cP	21 44 57.0	1.5
TIY	27.0	271	cP	21 45 01.5	2.6
			SS	21 50 44.5	-2.5
BTO	27.8	278	cP	21 45 06.0	-0.4
XAN	31.2	267	cP	21 45 40.0	4.2
GTA	35.6	281	P	21 46 14.3	-0.5
GYA	36.9	257	cP	21 46 22.0	-3.0
WMQ	42.6	293	P	21 47 12.5	-0.4

1985 12 22

O=02 32 52.4 ± 0.25s
 LAT=12.32 N ± 4.03km
 LONG=142.94 E ± 3.21km
 DEPTH= 31 km ± 0.77km
 STATIONS USED = 29, STAND DEV= 3.90s

TIA	33.3	320	cP	02 39 34.0	4.5
BJI	36.3	324	cP	02 39 53.0	-2.6
GYA	36.9	298	cP	02 39 59.4	-0.9
TIY	37.2	318	cP	02 40 00.9	-1.9
XAN	37.7	311	cP	02 40 12.0	4.3
KMI	40.0	294	cP	02 40 25.0	-1.6
BTO	40.4	320	cP	02 40 35.0	5.6
CD2	40.6	303	cP	02 40 28.4	-2.9
LZH	42.4	311	P	02 40 52.0	5.8
GTA	46.6	313	+iP	02 41 26.0	5.6

1985 12 22

O=06 30 35.3 ± 0.10s
 LAT=27.94 N ± 3.24km
 LONG=140.66 E ± 2.09km
 DEPTH= 41 km ± 1.14km
 STATIONS USED = 22, STAND DEV= 1.95s

$m_B=5.1/2$

DL2	19.2	309	P	06 35 00.0	0.8
NJ2	19.3	288	cP	06 35 00.0	0.0
CN2	20.0	326	-P	06 35 07.0	-0.6
TIA	21.5	298	cP	06 35 22.6	-0.7
WHN	23.1	283	cP	06 35 38.5	-0.1
BJI	23.5	307	cP	06 35 39.0	-3.9
			PMZ	$m_B=4.9$	5.0 0.29
			cS	06 39 54.0	3.5
			SMN	$m_B=5.3$	7.0 0.55
			SME		8.0 0.40
TIY	25.6	300	cP	06 36 02.0	-0.5
			cS	06 40 26.0	1.0
			sS	06 40 44.5	2.2
HHC	27.1	306	+P	06 36 14.8	-2.1
XAN	27.8	291	cP	06 36 22.3	-0.9
BTO	28.1	305	cP	06 36 23.3	-3.0
CD2	32.2	284	cP	06 37 00.8	-1.2
GTA	35.6	299	cP	06 37 29.5	-1.9

1985 12 22

O=09 10 26.6 ± 0.09s
 LAT=14.25 S ± 1.13km
 LONG=166.69 E ± 2.21km
 DEPTH= 33 km ± 0.36km
 STATIONS USED = 26, STAND DEV= 1.13s

CN2	68.9	329	P	09 21 30.0	-1.1
BJI	71.5	321	cP	09 21 47.0	0.2
TIY	72.5	318	cP	09 21 53.4	0.6
XAN	72.9	313	cP	09 21 54.0	-1.4
KMI	73.6	302	+P	09 22 00.0	0.8
HHC	74.9	320	cP	09 22 06.9	0.4
CD2	75.3	308	cP	09 22 09.3	0.5
BTO	75.7	319	cP	09 22 11.8	0.5
LZH	77.6	312	cP	09 22 22.5	0.5
GTA	81.9	314	P	09 22 46.0	0.6

1985 12 22

O=10 14 54.0 ± 0.19s
 LAT=12.44 N ± 2.87km
 LONG=142.97 E ± 2.40km
 DEPTH= 32 km ± 0.44km
 STATIONS USED = 46, STAND DEV= 2.35s

$M_s=4.8/2,$

SSE 27.4 316 cP 10 20 36.0 -2.7

			pP	10 20 44.5	-3.0			
			eS	10 25 12.0	-3.0			
			SS	10 26 27.0	-4.8			
			LE	Ms=4.9	12.0	1.29		
WHN	32.0	309	P	10 21 26.1	6.0			
TIA	33.2	320	eP	10 21 35.5	5.1			
SNY	33.8	334	eP	10 21 34.4	-1.4			
BJI	36.2	324	eP	10 21 54.5	-2.0			
GYA	36.8	298	P	10 22 02.0	0.5			
TIY	37.1	318	P	10 22 03.4	-0.4			
			LE	Ms=4.8	10.0	0.46		
XAN	37.7	310	eP	10 22 07.3	-1.5			
BTO	40.3	320	eP	10 22 30.0	-0.4			
			eS	10 28 35.0	-1.0			
CD2	40.5	303	eP	10 22 32.3	-0.2			
GTA	46.6	313	P	10 23 20.8	-0.6			
WMQ	56.6	315	P	10 24 36.0	-0.9			

1985 12 22

O=10 21 24.6 ± 0.06s
 LAT=44.04 N ± 1.36km
 LONG=140.65 E ± 0.82km
 DEPTH=221 km ± 1.06km
 STATIONS USED = 40, STAND DEV = 1.26s

m_B=5.0/ 1

MDJ	8.0	278	+P	10 23 18.5	0.3			
CN2	11.0	274	+P	10 23 56.3	-0.8			
			eS	10 25 50.0	-6.9			
			SMN	m _B =5.0	5.0	0.50		
SNY	12.7	266	-iP	10 24 19.8	0.8			
			S	10 26 36.0	-0.1			
DL2	15.1	257	eP	10 24 48.4	-0.7			
BJI	18.6	266	eP	10 25 26.5	-1.2			
TIA	19.6	255	eP	10 25 35.5	-2.3			
SSE	20.1	236	e(P)	10 25 47.0	4.3			
			ePP	10 26 18.0	3.7			
NJ2	20.9	242	-P	10 25 49.0	-1.6			
WHN	24.8	246	-iP	10 26 28.3	0.4			
XAN	26.5	259	eP	10 26 43.0	-0.6			
GTA	30.6	276	P	10 27 20.8	0.2			
CD2	31.8	258	eP	10 27 30.5	-0.5			
WMQ	37.6	289	P	10 28 21.0	0.9			
LSA	41.5	267	eP	10 28 52.0	-0.7			

1985 12 22

O=17 12 46.6 ± 0.17s
 LAT=12.54 N ± 2.53km
 LONG=142.96 E ± 2.00km
 DEPTH=28 km ± 0.52km
 STATIONS USED = 9, STAND DEV = 3.46s

BJI	36.2	324	P	17 19 47.0	-1.9			
GYA	36.8	298	P	17 19 57.6	3.4			
TIY	37.0	318	eP	17 19 55.4	-0.9			
BTO	40.2	320	eP	17 20 28.0	5.2			
CD2	40.5	303	eP	17 20 24.4	-0.7			
GTA	46.5	313	eP	17 21 11.5	-2.5			

1985 12 22

O=17 13 27.4 ± 0.24s
 LAT=15.58 S ± 4.12km
 LONG=178.23 W ± 5.57km
 DEPTH=18 km ± 0.63km
 STATIONS USED = 47, STAND DEV = 2.93s

m_B=5.8/ 13, m_B=5.7/ 2

MDJ	76.4	325	eP	17 25 15.8	-2.5			
NJ2	76.6	309	-P	17 25 22.0	2.5			
			S	17 35 02.0	-0.6			
			LZ	Ms=5.6	20.0	2.10		
DL2	78.0	316	eP	17 25 31.0	3.6			
			LN	Ms=5.9	18.0	3.55		
CN2	78.3	322	+P	17 25 25.6	-3.3			
			PMZ	m _B =5.6	5.0	0.40		
			SMN	m _B =5.8	8.0	0.60		
			LZ	Ms=5.8	22.0	3.10		
SNY	78.3	320	eP	17 25 27.0	-2.1			
			S	17 35 26.0	4.8			
			LN	Ms=5.7	20.0	1.33		
			LE		19.0	1.78		
QZN	78.7	293	P	17 25 30.0	-1.0			
			PP	17 28 28.0	-1.8			
			eS	17 35 17.5	-9.1			
			sS	17 35 35.0	-2.9			
			SS	17 40 25.0	-6.9			
			LN	Ms=6.0	20.0	2.70		
			LE		20.0	3.70		
WHN	79.4	306	eP	17 25 35.0	0.2			
BJI	82.3	315	eP	17 25 48.0	-2.0			
			S	17 36 08.0	5.8			
			LN	Ms=5.6	16.0	1.41		
TIY	83.8	312	eP	17 26 00.7	2.4			
GYA	84.0	299	P	17 26 03.0	3.7			
			sP	17 26 12.0	3.0			
			S	17 36 23.0	2.9			
			LE	Ms=5.6	22.0	1.60		
XAN	85.0	307	eP	17 26 02.8	-1.2			
			eS	17 36 28.0	-3.3			
			SMN		13.0	1.10		
			SME		12.0	1.30		
HHC	85.8	314	eP	17 26 07.3	-0.6			
			S	17 36 30.0	-7.1			

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MDJ	67.2	332	eP	21 01 46.1	-2.7
CN2	68.5	329	+P	21 01 56.8	-0.5
GYA	70.7	305	P	21 02 13.0	2.7
BJI	71.2	321	eP	21 02 13.0	-0.2
TIY	72.2	318	eP	21 02 19.5	0.3
XAN	72.6	313	eP	21 02 21.0	-0.9
KMI	73.3	302	-P	21 02 26.5	0.5
GTA	81.6	314	P	21 03 12.9	0.7

				S	21 42 15.0	5.9
				SS	21 42 36.5	6.5
WHN	19.7	67	eP		21 39 40.5	-1.4
WMQ	20.1	348	-P		21 39 47.0	0.5
				S	21 43 30.0	6.2
KSH	21.1	320	eP		21 40 00.5	3.4
TIY	21.1	46	P		21 39 55.8	-1.5
BTO	21.5	37	eP		21 40 01.0	0.0
				cpP	21 40 14.0	2.2
				eS	21 43 52.0	0.6
				LN	Ms=4.6	12.0 0.80
				LE		12.0 0.40
HHC	22.5	38	-P		21 40 12.3	1.1
NJ2	23.8	65	eP		21 40 22.8	-0.4
				pP	21 40 35.4	1.0
BJI	24.8	45	eP		21 40 36.0	2.4
SSE	25.6	68	P		21 40 39.4	-0.9
				cpP	21 40 52.0	0.5
CN2	32.7	45	eP		21 41 44.6	0.1

1985 12 22
 O=21 21 52.8 ± 0.12s
 LAT=14.33 S ± 0.71km
 LONG=167.53 E ± 2.13km
 DEPTH=215 km ± 0.52km
 STATIONS USED = 33, STAND DEV= 0.86s

NJ2	65.6	316	+P	21 32 15.4	-0.6
WHN	67.9	312	eP	21 32 30.6	0.1
MDJ	68.0	332	+P	21 32 31.5	-0.1
CN2	69.4	329	eP	21 32 40.0	-0.1
GYA	71.7	304	P	21 32 53.8	-0.1
BJI	72.1	321	eP	21 32 56.0	-0.2
TIY	73.1	317	P	21 33 03.3	0.9
XAN	73.6	312	eP	21 33 05.0	-0.1
KMI	74.3	302	+P	21 33 10.0	0.6
HHC	75.4	319	-P	21 33 16.4	0.7
CD2	76.0	307	eP	21 33 19.3	0.8
BTO	76.3	319	eP	21 33 19.4	-1.0
LZH	78.2	312	eP	21 33 32.5	1.3
GTA	82.6	314	+iP	21 33 55.0	1.0

1985 12 22
 O=22 21 13.0 ± 0.08s
 LAT=21.13 S ± 0.98km
 LONG=178.96 W ± 0.20km
 DEPTH=642 km ± 1.07km
 STATIONS USED = 38, STAND DEV= 0.67s

NJ2	79.6	310	+P	22 32 18.0	0.5
MDJ	80.5	326	-P	22 32 22.1	-0.2
WHN	82.1	307	eP	22 32 31.0	0.7
SNY	82.1	320	-P	22 32 29.6	-0.8
CN2	82.3	323	-P	22 32 30.6	-0.5
TIA	83.0	313	eP	22 32 34.8	-0.2
BJI	85.7	316	eP	22 32 48.0	0.0
GYA	86.2	300	P	22 32 50.4	0.0
TIY	87.0	312	P	22 32 54.8	0.5
XAN	87.8	308	-P	22 32 58.4	0.5
KMI	88.8	297	-P	22 33 03.5	0.6
HHC	89.2	315	+P	22 33 04.5	0.2
BTO	90.1	314	eP	22 33 07.8	-0.7
CD2	90.4	303	eP	22 33 10.8	1.0
LZH	92.4	308	P	22 33 20.0	0.6

1985 12 22
 O=21 35 13.8 ± 0.12s
 LAT=24.23 N ± 1.40km
 LONG=93.34 E ± 1.27km
 DEPTH=46 km ± 0.15km
 STATIONS USED = 46, STAND DEV= 1.81s
 Ms=4.4/4, ML=4.7/3,

LSA	5.8	341	P	21 36 40.3	0.3
			S	21 37 48.8	4.3
			LE	Ms=4.5	5.0 2.51
KMI	8.6	82	eP	21 37 20.0	1.2
			S	21 38 52.0	-2.1
			LE	Ms=4.3	8.0 1.50
LZH	14.9	35	P	21 38 42.0	-1.4
GTA	16.1	18	eP	21 38 59.5	0.7
QZN	16.2	105	+P	21 39 02.6	2.8
			eS	21 41 59.0	2.0
			LE	Ms=4.3	9.5 0.60
XAN	16.7	51	eP	21 39 08.5	1.7
			PP	21 39 25.0	4.4

1985 12 23
 O=00 01 20.9 ± 0.06s
 LAT=46.76 N ± 2.27km
 LONG=152.63 E ± 1.44km
 DEPTH=31 km ± 0.56km
 STATIONS USED = 42, STAND DEV= 1.15s

MDJ	16.2	271	+iP	00 05 10.5	2.0
CN2	19.3	271	+P	00 05 43.0	-3.5

SNY	21.3	267	eP	00 06 06.4	-1.1
BJI	27.1	269	eP	00 07 05.0	1.3
NJ2	29.7	252	-P	00 07 26.6	0.1
TIY	30.8	268	P	00 07 38.0	1.3
WHN	33.6	255	-iP	00 08 00.8	-0.2
XAN	35.2	265	+iP	00 08 14.4	-0.2
GTA	38.6	279	P	00 08 43.9	0.1
CD2	40.5	265	eP	00 09 00.3	0.7
GYA	41.4	257	P	00 09 06.6	0.0
WMQ	44.6	291	eP	00 09 33.3	0.5
KMI	44.9	259	+P	00 09 35.0	-0.4
LSA	49.9	273	+P	00 10 14.8	-0.1

1985 12 23

O=00 52 35.1 ± 0.08s
 LAT=13.60 S ± 0.97km
 LONG=166.84 E ± 1.99km
 DEPTH= 43 km ± 0.52km
 STATIONS USED = 34, STAND DEV= 0.98s

Ms=5.1/ 1,

NJ2	64.6	316	-P	01 03 10.0	-0.7
MDJ	67.1	332	eP	01 03 26.5	-0.3
TIA	68.2	318	eP	01 03 30.8	-3.1
CN2	68.5	329	eP	01 03 35.0	-0.4
GYA	70.7	305	P	01 03 50.6	1.1
BJI	71.1	321	eP	01 03 51.5	-0.2
TIY	72.1	317	+P	01 03 58.5	0.6
			LE	Ms=5.1	11.0 0.37
XAN	72.6	313	eP	01 04 00.6	-0.1
KMI	73.4	302	+P	01 04 06.0	0.8
CD2	75.0	307	eP	01 04 15.3	0.8
LZH	77.2	312	P	01 04 28.5	1.0
GTA	81.6	314	+iP	01 04 51.3	0.4
LSA	84.6	302	-P	01 05 06.6	0.0
WMQ	91.6	315	eP	01 05 40.3	0.4

1985 12 23

O=01 32 32.4 ± 0.05s
 LAT= 5.16 N ± 0.94km
 LONG=125.30 E ± 1.45km
 DEPTH=245 km ± 0.17km
 STATIONS USED = 28, STAND DEV= 1.10s

QZN	20.4	314	P	01 36 52.8	0.5
XAN	32.5	334	eP	01 38 40.5	-2.2
CD2	32.7	324	eP	01 38 46.3	2.3
BJI	35.7	348	eP	01 39 11.5	1.9
SNY	36.5	358	eP	01 39 16.1	-0.7
MDJ	39.5	5	eP	01 39 40.6	-0.6
LSA	40.4	311	+P	01 39 49.2	-0.3
GTA	41.1	330	P	01 39 54.0	-1.0

WMQ	50.7	325	eP	01 41 09.6	-0.4
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1985 12 23

O=05 16 02.3 ± 0.10s
 LAT=62.29 N ± 1.76km
 LONG=124.34 W ± 1.37km
 DEPTH= 7 km ± 0.21km
 STATIONS USED = 86, STAND DEV= 0.87s
 Ms=7.4/ 21, m_B=6.8/ 35

MDJ	58.2	306	+iP	05 25 59.5	-0.8
			PMZ		2.8 6.60
			PP	05 28 10.0	-0.2
			S	05 33 55.0	-5.0
			SMN	m _B =6.7	5.0 4.90
			sS	05 34 03.0	-6.6
CN2	60.5	309	+iP	05 26 14.0	-1.8
			PMZ	m _B =6.8	5.0 7.20
			pP	05 26 18.8	-2.0
			PP	05 28 28.0	-2.3
			eS	05 34 23.0	-7.2
			SMN	m _B =7.1	8.0 12.0
			SME		8.0 12.0
			LN	Ms=7.2	19.0 100
SNY	62.9	309	+iP	05 26 31.4	-0.5
			PMZ	m _B =6.8	7.5 9.72
			sP	05 26 40.0	0.4
			PcP	05 27 11.5	2.4
			PP	05 28 51.0	0.1
			iS	05 34 55.5	-5.0
			LN	Ms=7.4	18.0 46.7
			LE		17.0 120
DL2	66.1	309	+iP	05 26 53.5	0.3
			PMZ	m _B =6.9	6.0 8.10
			esP	05 27 03.0	2.1
			PcS	05 31 28.0	2.3
			S	05 35 43.0	3.2
			SMN	m _B =7.0	8.0 2.97
			SME		9.0 11.0
			eScS	05 36 49.0	3.7
			LN	Ms=7.4	16.0 43.7
			LE		16.0 105
BJI	67.1	313	+P	05 26 58.0	-1.0
			PMZ	m _B =6.7	8.0 6.97
			ePP	05 29 28.0	0.5
			S	05 35 47.0	-3.8
			SMN	m _B =6.7	10.0 2.82
			SME		11.0 6.44
			eSKS	05 36 54.0	2.4
			eSS	05 40 05.0	-6.2
			LN	Ms=7.2	16.0 46.1

HHC	67.8	317	LE		16.0	59.4	ePcP	05 27	54.0	1.5										
			-P	05 27	03.8	-0.3							PP	05 30	19.0	-2.1				
			PMZ		$m_B=6.7$	6.0							5.82	eS	05 37	01.0	-3.6			
			PP	05 29	36.0	1.4							SMN			14.0	11.5			
			S	05 36	02.0	1.8							SME			14.0	19.8			
			SMN		$m_B=6.6$	12.0							2.18	sS	05 37	08.0	-5.0			
			SME			12.0							6.03	ScS	05 37	41.0	-0.1			
			LN		$M_S=7.4$	19.0							56.9	SS	05 41	45.0	-2.1			
			LE			18.0							116	LN		$M_S=7.4$	22.0	69.7		
BTO	68.6	318	+iP	05 27	08.0	-0.6	LE			21.0	108	NJ2	73.3	308	+P	05 27	36.3	-0.6		
			PMZ		$m_B=6.3$	6.0	2.20	PMZ		$m_B=6.8$	6.0				6.00					
			pP	05 27	13.0	-0.5	pP	05 27	40.5	-1.4										
			PP	05 29	38.0	-3.1	PP	05 30	21.0	-0.3										
			S	05 36	03.0	-5.7	iS	05 37	05.5	0.6										
TIA	70.2	311	+P	05 27	17.5	-0.8	SMN		$m_B=7.0$	12.0	8.40									
			PMZ		$m_B=6.9$	6.0	8.34	SME			12.0						12.1			
			S	05 36	30.0	2.3	LN		$M_S=7.3$	16.0	72.5									
			LN		$M_S=7.3$	18.0	18.9													
TIY	70.4	315	+iP	05 27	19.0	-0.9	LZH	74.6	321	+iP	05 27	45.2	0.5							
			PMZ		$m_B=6.6$	8.0	6.04	XAN	74.9	316	+iP	05 27	45.6						-0.9	
			PcP	05 27	39.5	-1.0	PMZ		$m_B=6.8$	5.0	5.90									
			PP	05 29	54.0	-2.6	sP	05 27	54.0	0.0										
			S	05 36	35.0	4.5	PP	05 30	31.0	-4.2										
			SME			14.0	6.04	iS	05 37	20.0	-3.4									
			ScS	05 37	22.0	3.5	SMN		$m_B=6.6$	9.0	2.00									
			SS	05 41	08.0	5.3	SME			13.0	5.70									
			LN		$M_S=7.8$	19.0	214	SKS	05 37	46.0	-3.6									
			LE			19.0	266	ScS	05 37	53.0	-1.4									
			WMQ	71.2	336	+iP	05 27	25.0	0.6	SS	05 42	10.0	-1.9							
PMZ		$m_B=6.9$				6.0	7.65	LN		$M_S=7.6$	16.0	65.7								
PP	05 30	00.0				-3.3	LE			16.0	145									
S	05 36	42.8				3.6	WHN	76.3	311	+iP	05 27	54.6	0.4							
SMN		$m_B=7.1$				9.0	4.62	PMZ		$m_B=7.3$	4.0	12.8								
SME						9.0	12.4	ipP	05 27	59.4	0.3									
SKS	05 37	27.0				5.0	isP	05 28	01.6	-0.1										
SS	05 41	15.0				0.4	PP	05 30	46.0	-0.1										
LN		$M_S=7.0$				20.0	30.7	iS	05 37	30.0	-8.2									
LE						20.0	36.7	SME		$m_B=6.1$	9.0	1.54								
GTA	72.6	326	+iP	05 27	33.0	-0.1	isS	05 37	40.0	-6.5										
			PMZ		$m_B=6.8$	5.5	5.99	LN		$M_S=7.4$								18.0	50.8	
			iPP	05 30	17.0	1.5	LE			17.0								93.8		
			iS	05 36	57.0	-0.5	KSH	77.3	344	+iP								05 28	02.1	2.1
			SME		$m_B=6.8$	10.0	7.39	PP	05 30	55.1								0.6		
			SS	05 41	42.8	5.9	iS	05 37	53.1	3.4										
			LE		$M_S=7.2$	18.0	65.9	SME		$m_B=7.0$								9.0	9.88	
								SKS	05 38	06.1								-0.9		
SSE	73.3	305	+P	05 27	37.0	0.2	LN		$M_S=7.3$	13.0	31.0									
			PMZ		$m_B=7.0$	6.0	9.47	LE			15.0							57.2		
			pP	05 27	42.0	0.2	CD2	79.4	319	P	05 28							12.0	0.3	
			sP	05 27	44.0	-0.4	PMZ		$m_B=6.7$	10.0	9.10									

CN2	35.7	52	eP	13 56 39.0	-1.5
1985 12 23					
O = 16 04 31.9 ± 0.23s					
LAT = 12.51 N ± 3.32km					
LONG = 143.05 E ± 2.87km					
DEPTH = 29 km ± 0.70km					
STATIONS USED = 36, STAND DEV = 3.03s					
WHN	32.0	309	eP	16 11 03.0	4.5
TIA	33.2	320	eP	16 11 12.4	3.7
MDJ	34.0	343	eP	16 11 10.0	-5.8
CN2	34.7	337	eP	16 11 20.5	-1.0
BJI	36.2	324	eP	16 11 31.5	-3.2
GYA	36.9	298	eP	16 11 45.6	5.5
TIY	37.1	318	eP	16 11 39.5	-2.6
XAN	37.7	310	eP	16 11 45.4	-1.8
HHC	39.5	321	eP	16 12 04.0	2.0
BTO	40.3	320	eP	16 12 09.5	0.8
CD2	40.6	303	eP	16 12 09.0	-2.0
LZH	42.3	311	P	16 12 30.5	4.8
GTA	46.6	313	P	16 12 59.0	-0.8
WMQ	56.6	315	eP	16 14 14.0	-1.3
1985 12 23					
O = 17 04 19.0 ± 0.28s					
LAT = 28.33 N ± 1.35km					
LONG = 139.86 E ± 3.33km					
DEPTH = 32 km ± 0.27km					
STATIONS USED = 14, STAND DEV = 1.03s					
$m_B = 5.4 / 2$					
TIA	20.7	298	eP	17 09 00.0	0.3
WHN	22.3	282	eP	17 09 14.5	-1.0
BJI	22.7	307	eP	17 09 18.5	-1.2
PMZ $m_B = 5.1$ 6.0 0.53					
TIY	24.8	299	eP	17 09 40.0	0.6
PMZ $m_B = 5.6$ 5.0 1.26					
XAN	27.0	290	+P	17 10 00.3	-0.2
GYA	29.5	274	P	17 10 23.8	1.0
CD2	31.4	284	P	17 10 39.5	-0.3
GTA	34.8	299	P	17 11 08.3	-0.9
1985 12 23					
O = 17 56 34.9 ± 0.12s					
LAT = 36.32 N ± 2.16km					
LONG = 71.06 E ± 1.72km					
DEPTH = 118 km ± 0.58km					
STATIONS USED = 29, STAND DEV = 2.62s					
$M_L = 5.3 / 3, m_B = 5.0 / 1$					
KSH	5.0	50	P	17 57 52.3	3.0
			S	17 58 48.3	2.4

				SME	$M_L = 5.4$	0.5	
WMQ	14.8	54	P	17 59 57.0	-2.1		
				S	18 02 33.8	-5.7	
				LN		2.0	0.070
LSA	18.1	106	-P	18 00 38.0	-2.5		
				SME	$m_B = 5.0$	8.0	0.33
GTA	22.9	74	P	18 01 30.8	1.6		
CD2	27.7	92	P	18 02 17.5	3.2		
KMI	29.3	103	eP	18 02 29.0	-0.1		
GYA	31.8	98	P	18 02 52.6	1.8		
TIY	32.9	75	eP	18 03 04.5	4.3		
1985 12 23							
O = 18 15 09.8 ± 0.09s							
LAT = 13.83 S ± 1.16km							
LONG = 166.44 E ± 1.49km							
DEPTH = 47 km ± 0.42km							
STATIONS USED = 55, STAND DEV = 0.99s							
$M_s = 5.3 / 5, m_B = 5.4 / 2$							
SSE	62.3	317	eP	18 25 31.3	1.1		
				pP	18 25 41.3	-1.4	
				ScS	18 35 17.0	3.7	
				SS	18 37 58.0	2.2	
				LZ	$M_s = 5.3$	16.0	0.98
GZH	63.6	305	eP	18 25 39.0	0.3		
NJ2	64.5	316	-P	18 25 45.3	0.9		
				LZ	$M_s = 5.2$	18.0	0.90
WHN	66.7	312	eP	18 25 59.3	0.4		
MDJ	67.1	332	eP	18 26 00.8	-0.5		
SNY	68.0	327	eP	18 26 07.8	0.9		
				iS	18 35 08.0	6.8	
				LN	$M_s = 5.4$	20.0	1.27
				LE		21.0	0.98
TIA	68.1	319	eP	18 26 07.0	-0.7		
CN2	68.5	329	+P	18 26 08.6	-1.2		
				eS	18 35 04.0	-2.6	
				SMN		14.0	0.50
				eSS	18 39 26.0	-5.1	
				LZ	$M_s = 5.3$	18.0	1.00
GYA	70.5	305	P	18 26 22.6	0.0		
BJI	71.1	321	eP	18 26 25.0	-0.6		
				epP	18 26 35.5	-2.6	
				eS	18 35 42.0	4.9	
				SMN	$m_B = 5.2$	12.0	0.34
				eSKS	18 36 26.0	7.5	
				LN	$M_s = 5.1$	15.0	0.54
TIY	72.1	318	eP	18 26 32.5	0.8		
				eS	18 35 47.0	-1.9	
				ScS	18 36 33.0	4.3	
XAN	72.5	313	eP	18 26 33.6	-0.6		

KMI	73.2	302	eP	18 26 38.5	0.2
HHC	74.4	320	P	18 26 45.8	0.4
CD2	74.8	308	eP	18 26 48.8	0.9
LZH	77.1	312	P	18 27 01.5	0.4
GTA	81.5	314	P	18 27 24.4	-0.2
			S	18 37 38.0	8.6
			SME	$m_B = 5.6$	9.0 0.43
LSA	84.4	302	eP	18 27 40.8	0.9
WMQ	91.5	315	P	18 28 13.8	0.1

1985 12 23

O=19 37 54.2 ± 0.19s
 LAT=62.23 N ± 2.02km
 LONG=124.23 W ± 1.23km
 DEPTH= 14 km ± 0.67km
 STATIONS USED = 48, STAND DEV = 1.03s
 $M_s = 5.4 / 5,$

MDJ	58.3	306	eP	19 47 50.5	-1.1
CN2	60.6	309	eP	19 48 04.5	-2.6
			LZ	$M_s = 5.4$	16.0 1.50
SNY	62.9	309	eP	19 48 22.6	-0.6
			eS	19 56 48.0	-3.4
			LE	$M_s = 5.3$	17.0 0.99
BJI	67.1	314	eP	19 48 49.5	-0.7
BTO	68.6	318	eP	19 49 00.3	0.5
TIA	70.2	311	eP	19 49 09.3	-0.2
TIY	70.5	315	eP	19 49 10.3	-0.8
			LN	$M_s = 5.7$	14.0 1.25
			LE		15.0 1.51
WMQ	71.2	336	-iP	19 49 16.3	0.7
GTA	72.7	326	+P	19 49 24.6	0.3
			LN	$M_s = 5.4$	13.0 0.90
NJ2	73.3	308	+P	19 49 28.0	-0.1
			LZ	$M_s = 5.2$	16.0 0.60
LZH	74.7	321	+P	19 49 37.0	1.1
XAN	75.0	317	+P	19 49 37.0	-0.7
WHN	76.3	311	+iP	19 49 46.3	0.9
CD2	79.5	319	eP	19 50 04.1	1.2
GYA	82.7	315	P	19 50 20.4	0.5
LSA	84.1	330	eP	19 50 27.3	0.1

1985 12 23

O=20 08 56.2 ± 0.11s
 LAT=36.72 N ± 1.19km
 LONG= 26.67 E ± 1.00km
 DEPTH= 11 km ± 0.33km
 STATIONS USED = 27, STAND DEV = 1.16s

WMQ	46.2	61	P	20 17 24.0	0.6
GTA	56.2	63	P	20 18 38.5	-0.5
CD2	62.7	71	eP	20 19 23.6	-0.6

BTO	62.8	58	eP	20 19 24.4	-0.6
HHC	63.8	57	-iP	20 19 31.0	-0.2
KMI	64.7	77	eP	20 19 36.0	-1.8
XAN	65.1	65	+P	20 19 39.0	-0.6
GYA	67.1	73	P	20 19 52.0	-0.8
CN2	71.2	49	+P	20 20 16.4	-1.7

1985 12 23

O=23 42 02.7 ± 0.13s
 LAT=34.03 N ± 2.00km
 LONG= 57.68 E ± 1.19km
 DEPTH= 26 km ± 0.58km
 STATIONS USED = 13, STAND DEV = 2.47s

WMQ	25.2	58	eP	23 47 31.0	2.9
GTA	34.0	68	P	23 48 48.3	1.6
KMI	39.9	91	P	23 49 35.5	-1.4
GYA	42.7	87	P	23 49 58.0	-1.4

1985 12 24

O=04 09 39.9 ± 0.21s
 LAT=35.15 S ± 4.00km
 LONG= 54.09 E ± 4.32km
 DEPTH= 9 km ± 0.15km
 STATIONS USED = 75, STAND DEV = 1.60s
 $M_s = 6.1 / 19,$ $m_B = 6.2 / 6$

LSA	73.4	33	P	04 21 13.9	-1.3
			SMN	$m_B = 6.2$	8.0 1.55
			LN	$M_s = 5.9$	19.0 3.85
QZN	75.5	54	eP	04 21 31.9	4.8
			PP	04 24 22.0	4.6
			eS	04 31 08.0	1.1
			sS	04 31 17.0	1.4
			ScS	04 31 39.0	2.9
			SS	04 36 00.0	1.8
			LN	$M_s = 6.0$	19.0 2.30
			LE		18.0 3.30
KMI	75.6	45	+P	04 21 27.0	-0.9
			pP	04 21 33.5	0.5
			PcP	04 21 40.0	0.1
			S	04 31 06.0	-0.4
			LN	$M_s = 6.3$	22.0 11.8
KSH	76.9	17	eP	04 21 37.3	1.9
			sP	04 21 47.3	4.1
			ePP	04 24 35.3	6.5
			S	04 31 24.3	3.2
			eSKS	04 31 40.3	-1.2
			LN	$M_s = 6.3$	17.0 7.85
GYA	78.9	47	P	04 21 45.3	-0.9
			pP	04 21 52.0	0.6
			PcP	04 21 53.6	-0.5

DL2	67.6	323	eP	04 48 30.0	4.1
MDJ	67.7	332	eP	04 48 24.1	-2.1
TIA	68.6	319	eP	04 48 32.4	0.2
CN2	69.0	329	+P	04 48 32.0	-2.6
			PMZ	$m_B=5.9$	5.0 0.80
			eS	04 57 35.0	-0.9
			SME	$m_B=5.7$	7.0 0.60
			LN	$M_S=6.0$	18.0 4.60
GYA	70.9	305	P	04 48 48.3	1.7
BJI	71.6	321	eP	04 48 49.0	-1.1
TIY	72.5	318	P	04 48 56.4	0.4
XAN	72.9	313	eP	04 48 57.6	-0.9
KMI	73.5	302	eP	04 49 03.0	0.9
HHC	74.9	320	P	04 49 09.4	-0.4
CD2	75.2	308	eP	04 49 12.3	0.5
BTO	75.7	319	eP	04 49 15.0	0.5
LZH	77.6	313	P	04 49 26.0	0.9
GTA	81.9	314	+P	04 49 48.5	0.0
			LE	$M_S=5.9$	16.0 2.70
LSA	84.8	302	eP	04 50 02.3	-1.1
WMQ	92.0	315	P	04 50 37.3	-0.1

LAT=	1.64 S	±	1.10km
LONG=	134.45 E	±	2.40km
DEPTH=	32 km	±	0.30km
STATIONS USED = 12, STAND DEV = 1.96s			
XAN	42.8	328	eP 07 08 55.6 0.7
BJI	44.7	340	eP 07 09 08.0 -2.0
HHC	47.1	336	eP 07 09 31.4 2.1
GTA	51.7	326	eP 07 10 06.3 1.6

1985 12 24
 O = 05 27 56.5 ± 0.18s
 LAT = 28.31 N ± 1.61km
 LONG = 103.97 E ± 1.72km
 DEPTH = 12 km ± 0.33km
 STATIONS USED = 12, STAND DEV = 4.36s

				$M_L=3.4/9,$	
CD2	2.6	356	ePn	05 28 40.9	2.1
			Pg	05 28 45.8	3.4
			Sn	05 29 11.8	-0.3
			Sg	05 29 19.3	1.4
			SMN	$M_L=3.4$	0.6 0.18
			SME		0.6 0.21
GYA	3.0	127	Pn	05 28 44.4	-0.3
			Pg	05 28 55.0	5.1
			Sg	05 29 30.3	-1.0
			SMN	$M_L=3.3$	1.0 0.16
			SME		1.0 0.080
KMI	3.4	199	+Pn	05 28 54.5	5.0
XAN	7.1	35	ePn	05 29 38.0	-2.9
			Pg	05 30 06.4	4.3
			Sn	05 31 00.6	-3.4
			Sg	05 31 39.0	-0.3
			SMN	$M_L=3.8$	1.0 0.050
			SME		1.0 0.040

1985 12 24
 O = 07 00 57.5 ± 0.07s

1985 12 24			
O =	14 42 48.5	±	0.12s
LAT =	23.94 N	±	1.81km
LONG =	122.44 E	±	1.41km
DEPTH =	42 km	±	1.18km
STATIONS USED = 65, STAND DEV = 2.14s			
			$M_S=4.9/18, M_L=4.6/7,$
QZH	3.6	287	P 14 43 43.3 -0.8
			S 14 44 24.3 -1.3
			SMN $M_L=4.6$ 1.0 2.06
			SME 0.8 1.08
SSE	7.2	351	eP 14 44 33.0 -1.2
			pP 14 44 39.5 -1.5
			LN $M_S=4.6$ 12.0 3.40
			LE 10.0 3.68
GZH	8.4	266	eP 14 44 45.0 -5.6
			S 14 46 17.5 -6.8
			LN $M_S=4.6$ 10.0 1.49
			LE 12.0 3.56
NJ2	8.7	339	-P 14 44 53.3 -1.3
			S 14 46 28.6 -2.8
			LN $M_S=4.8$ 11.0 6.20
WHN	9.8	314	eP 14 45 12.5 3.2
			S 14 47 06.0 8.1
			LE $M_S=4.7$ 11.0 3.77
QZN	12.7	250	eP 14 45 47.0 -2.4
			eS 14 48 05.0 -5.0
			LN $M_S=4.6$ 14.0 1.90
			LE 12.5 1.30
GYA	14.5	283	P 14 46 15.0 1.8
			S 14 49 01.0 8.5
			LN $M_S=5.0$ 10.0 2.90
			LE 10.0 2.00
XAN	15.5	313	eP 14 46 25.0 -1.3
			LN $M_S=4.7$ 12.0 1.30
			LE 13.0 1.70
TIY	16.2	330	eP 14 46 38.0 3.2
			S 14 49 31.0 -0.6
			LN $M_S=5.1$ 13.0 4.47
			LE 12.0 1.78
BJI	16.9	343	eP 14 46 45.5 1.8

			pP	14 46 56.5	4.2		
			LN		Ms=4.7	13.0	1.69
SNY	17.9	3	eP	14 46 56.6	0.8		
			eS	14 50 16.0	5.4		
			LN		Ms=4.7	19.0	1.08
			LE			16.0	2.10
KMI	18.0	278	eP	14 46 58.0	0.6		
			S	14 50 17.0	4.6		
			LE		Ms=5.1	14.0	4.60
CD2	18.0	297	eP	14 46 56.3	-0.9		
			S	14 50 14.0	1.6		
			LN		Ms=5.1	12.0	2.90
			LE			14.0	3.10
			LZ		Ms=5.1	15.0	5.00
HHC	19.2	334	P	14 47 12.8	1.1		
			S	14 50 47.0	7.6		
			LN		Ms=5.0	13.0	3.12
			LE			14.0	0.68
BTO	19.6	331	eP	14 47 17.0	0.4		
			eS	14 50 53.0	2.6		
			LN		Ms=5.2	13.0	3.70
			LE			13.0	2.30
CN2	20.0	6	-P	14 47 18.1	-2.1		
			eS	14 50 56.0	-1.5		
			LZ		Ms=5.0	16.0	3.30
LZH	20.1	311	P	14 47 23.0	1.1		
MDJ	21.4	14	eP	14 47 32.6	-2.8		
GTA	24.6	314	-P	14 48 06.3	0.0		
			sS	14 52 37.5	-1.4		
			LE		Ms=5.0	12.0	1.89
LSA	28.5	288	eP	14 48 41.9	-0.7		
WMQ	34.7	313	-P	14 49 37.0	0.4		
KSH	42.0	303	eP	14 50 36.0	-1.8		

			LN		Ms=5.0	24.0	0.52
			LE			24.0	2.33
XAN	34.4	334	+iP	15 08 45.5	-1.1		
CD2	34.6	324	eP	15 08 46.0	-2.2		
TIY	36.3	341	+P	15 09 02.3	-0.2		
			S	15 14 30.0	-7.0		
BJI	37.4	347	eP	15 09 12.5	0.5		
SNY	38.1	356	+P	15 09 18.6	0.9		
LZH	38.5	330	P	15 09 18.6	-2.5		
HHC	39.4	342	+iP	15 09 29.6	0.8		
BTO	39.7	340	eP	15 09 30.5	-0.5		
CN2	40.0	359	+P	15 09 32.8	-0.6		
MDJ	40.9	3	+iP	15 09 41.5	0.7		
LSA	42.3	312	eP	15 09 52.9	-0.5		
GTA	43.1	329	+P	15 09 59.0	0.1		
WMQ	52.7	325	P	15 11 13.4	-0.4		

1985 12 24

O = 15 22 24.0 ± 0.09s
 LAT = 28.23 N ± 2.22km
 LONG = 141.03 E ± 2.22km
 DEPTH = 35 km ± 0.38km
 STATIONS USED = 32, STAND DEV = 1.62s
 Ms = 4.4 / 3, m_B = 5.4 / 2

NJ2	19.5	287	+P	15 26 53.3	1.6		
CN2	20.0	325	eP	15 26 53.0	-3.3		
TIA	21.7	298	+P	15 27 14.9	0.7		
			LN		Ms=4.4	16.0	0.53
			LE			16.0	0.59
WHN	23.3	282	eP	15 27 31.5	1.1		
			PMZ		m _B =5.4	6.0	0.94
			eS	15 31 46.0	8.8		
			SMN		m _B =5.3	8.0	0.77
			LE		Ms=4.4	10.0	0.44
BJI	23.6	306	eP	15 27 32.5	-0.6		
			eS	15 31 50.0	7.9		
TIY	25.7	299	+P	15 27 54.0	0.8		
			eS	15 32 17.5	0.1		
			LE		Ms=3.9	32.0	0.34
HHC	27.2	305	eP	15 28 07.0	-0.1		
XAN	28.0	290	+P	15 28 14.0	-0.4		
BTO	28.3	304	eP	15 28 16.0	-0.6		
GYA	30.5	275	P	15 28 36.2	-0.6		
CD2	32.4	284	P	15 28 48.3	-5.3		
KMI	34.3	274	eP	15 29 09.0	-0.5		
GTA	35.7	299	P	15 29 20.8	-1.3		
LSA	43.4	284	eP	15 30 26.0	0.0		
WMQ	45.1	305	-P	15 30 39.0	-0.2		

1985 12 24

1985 12 24
 O = 15 02 02.4 ± 0.08s
 LAT = 3.67 N ± 1.18km
 LONG = 126.55 E ± 2.07km
 DEPTH = 57 km ± 0.27km
 STATIONS USED = 59, STAND DEV = 1.08s
 Ms = 4.7 / 2,

QZN	22.3	314	eP	15 06 57.6	0.6		
GZH	23.1	328	+iP	15 07 05.5	0.7		
SSE	27.7	350	eP	15 07 49.0	1.0		
			eS	15 12 27.0	2.6		
			LN		Ms=4.3	24.0	0.64
WHN	29.1	338	P	15 08 00.0	-0.3		
NJ2	29.1	346	-P	15 08 01.3	0.7		
GYA	29.6	322	P	15 08 05.0	0.2		
TIA	33.5	346	eP	15 08 39.0	-0.1		

O=17 12 11.1 ± 0.08s
LAT= 3.97 S ± 1.40km
LONG=136.50 E ± 2.47km
DEPTH= 50 km ± 0.19km
STATIONS USED = 39, STAND DEV = 1.19s
Ms=4.9 / 1,

SSE	37.8	338	eP	17 19 25.5	0.7		
			LE			Ms=4.9	12.0 0.72
NJ2	39.6	336	eP	17 19 40.8	1.4		
WHN	40.3	330	eP	17 19 46.0	0.3		
GYA	41.8	318	P	17 19 58.4	0.3		
KMI	43.7	313	+P	17 20 13.5	-0.3		
XAN	45.9	328	eP	17 20 30.3	-0.8		
CD2	46.7	320	eP	17 20 37.1	-0.1		
TIY	47.1	334	eP	17 20 44.8	4.1		
BJI	47.6	339	eP	17 20 44.0	-0.5		
CN2	48.6	349	+P	17 20 52.0	-0.1		
MDJ	48.8	353	eP	17 20 52.3	-1.1		
HHC	50.1	335	P	17 21 03.6	-0.3		
LZH	50.2	325	P	17 21 05.0	0.3		
BTO	50.6	334	eP	17 21 07.3	0.0		
GTA	54.8	326	+P	17 21 38.1	-0.9		
LSA	54.8	311	eP	17 21 38.0	-1.4		
WMQ	64.6	323	P	17 22 46.0	-0.6		

1985 12 24

O=21 43 22.5 ± 0.23s
LAT=43.97 N ± 1.90km
LONG= 82.81 E ± 2.26km
DEPTH= 13 km ± 0.07km
STATIONS USED = 6, STAND DEV = 4.36s

M_L=3.4 / 3,

WMQ	3.5	91	ePn	21 44 21.4	3.8		
			Sn	21 45 08.4	7.3		
			Sg	21 45 20.4	7.2		
			SMN			M _L =3.5	0.8 0.17
			SME				0.8 0.10

1985 12 24

O=21 45 58.0 ± 0.15s
LAT=27.61 N ± 2.59km
LONG=140.17 E ± 1.98km
DEPTH= 21 km ± 0.47km
STATIONS USED = 10, STAND DEV = 4.60s

m_B=5.2 / 1

BJI	23.4	308	eP	21 51 04.0	-2.6		
			SMN			m _B =5.2	6.0 0.50
TIY	25.3	300	eP	21 51 27.5	1.9		
CD2	31.9	285	P	21 52 28.5	4.2		

1985 12 24

O=23 04 08.4 ± 0.19s
LAT=18.34 N ± 3.20km
LONG= 97.24 E ± 1.91km
DEPTH= 11 km ± 0.55km
STATIONS USED = 30, STAND DEV = 2.43s

Ms=5.0 / 8,

KMI	8.5	36	+P	23 06 17.0	2.6		
GYA	11.9	45	P	23 07 00.6	-0.6		
			S	23 09 21.0	6.7		
			LG ₁	23 10 28.6	7.0		
			LN			Ms=5.0	8.0 2.80
			LE				8.0 2.50
LSA	12.6	335	eP	23 07 08.4	-2.8		
			LN			Ms=3.9	12.0 0.48
CD2	13.8	24	eP	23 07 26.5	-0.8		
			LG ₁	23 11 32.0	8.8		
			LN			Ms=5.3	6.0 3.80
			LE				8.5 3.70
			LZ			Ms=5.0	7.0 2.90
LZH	18.6	17	P	23 08 27.0	-1.4		
XAN	18.8	31	eP	23 08 31.0	0.5		
			LN			Ms=4.9	6.0 0.80
			LE				7.0 1.00
WHN	19.7	49	eP	23 08 38.5	-2.6		
			LG ₁	23 14 32.0	4.0		
			LG ₂	23 15 04.0	4.8		
			LN			Ms=5.1	10.0 2.63
GTA	21.1	6	P	23 08 54.2	-1.8		
TIY	23.4	31	+P	23 09 18.0	-1.0		
			S	23 13 36.5	8.7		
			LN			Ms=5.0	10.0 1.09
			LE				11.0 1.30
BTO	24.8	24	eP	23 09 30.0	-1.9		
SSE	25.1	55	eP	23 09 40.0	4.8		
			sS	23 14 08.0	1.6		
			LN			Ms=5.2	10.0 1.82
			LE				10.0 1.23
WMQ	26.6	344	P	23 09 50.6	1.1		

1985 12 25

O=02 35 51.2 ± 0.14s
LAT=14.02 S ± 1.92km
LONG=170.12 E ± 4.05km
DEPTH= 37 km ± 0.84km
STATIONS USED = 43, STAND DEV = 2.20s

Ms=5.4 / 7,

m_B=5.5 / 2

SSE	65.0	314	eP	02 46 27.0	-3.1		
			ePP	02 48 51.0	-3.2		
			S	02 55 09.0	2.4		

	sS	02 55 19.0	-6.3				
	eScS	02 56 14.0	-3.2				
	SS	02 59 17.0	-3.6				
	LN	Ms=5.7	26.0	2.00			
	LE		26.0	3.48			
NJ2	67.1 314 -P	02 46 42.5	-1.4				
	S	02 55 30.0	-3.0				
	LN	Ms=5.3	18.0	1.10			
MDJ	69.0 330 eP	02 46 53.1	-2.5				
WHN	69.6 310 eP	02 47 00.8	1.8				
CN2	70.5 327 eP	02 47 02.0	-2.8				
TIA	70.7 317 eP	02 47 04.8	-1.1				
	LE	Ms=5.4	15.0	0.93			
BJI	73.5 320 eP	02 47 21.5	-1.0				
	eS	02 56 47.0	-1.6				
	SME	m _B =5.5	9.0	0.41			
	eSKS	02 57 26.0	5.9				
	eSS	03 01 36.0	3.4				
	LE	Ms=5.4	20.0	1.26			
GYA	73.6 303 P	02 47 23.8	0.3				
	S	02 56 54.0	5.4				
TIY	74.6 316 P	02 47 29.0	-0.4				
	pP	02 47 41.5	1.9				
	S	02 57 05.5	5.4				
	LN	Ms=5.4	17.0	0.64			
	LE		19.0	1.05			
XAN	75.3 311 eP	02 47 32.0	-1.0				
	eS	02 57 08.0	-0.8				
	eSS	03 01 57.0	-2.5				
	LE	Ms=5.6	20.0	1.80			
KMI	76.3 301 +P	02 47 46.0	6.9				
HHC	76.9 318 eP	02 47 41.5	-0.7				
BTO	77.7 318 eP	02 47 46.4	-0.6				
CD2	77.8 306 eP	02 47 45.6	-1.6				
LZH	79.9 311 P	02 48 03.5	4.5				
GTA	84.2 313 eP	02 48 19.0	-2.1				
	S	02 58 39.5	-1.1				
	SME	m _B =5.5	9.0	0.34			
	LE	Ms=5.3	12.0	0.45			

WHN	85.3 306 eP	03 13 54.8	0.0
BJI	88.8 315 eP	03 14 12.0	0.2
TIY	90.2 311 eP	03 14 18.0	-0.4
XAN	91.0 307 P	03 14 22.0	-0.2
KMI	92.1 296 +P	03 14 28.4	1.1
CD2	93.6 302 eP	03 14 32.8	-1.3
GTA	99.9 309 eP	03 15 02.1	-0.6

1985 12 25
 O=04 01 56.3 ± 0.22s
 LAT=12.20 N ± 2.89km
 LONG=142.99 E ± 2.63km
 DEPTH= 14 km ± 0.35km
 STATIONS USED = 48, STAND DEV= 2.51s
 Ms=4.8 / 5,

SSE	27.5 316 eP	04 07 45.0	-0.1
	SS	04 13 48.0	6.4
	LN	Ms=4.8	8.0 0.64
NJ2	29.7 316 eP	04 08 07.0	2.4
	LZ	Ms=4.5	18.0 0.60
WHN	32.2 309 eP	04 08 26.5	0.2
DL2	32.7 328 P	04 08 34.0	3.3
TIA	33.4 320 +P	04 08 41.4	4.5
	eS	04 14 02.4	5.7
	SS	04 16 03.0	4.8
	LE	Ms=5.1	18.0 2.30
MDJ	34.3 343 eP	04 08 43.8	-0.9
CN2	34.9 338 eP	04 08 48.5	-1.7
BJI	36.4 324 eP	04 09 01.0	-2.0
	S	04 14 40.0	-3.1
	LE	Ms=4.8	13.0 0.71
GYA	36.9 298 P	04 09 09.8	2.4
TIY	37.3 318 eP	04 09 08.0	-2.2
	pP	04 09 16.0	-0.2
	S	04 14 54.5	-1.5
	LE	Ms=4.8	12.0 0.55
XAN	37.9 311 eP	04 09 12.4	-2.6
	pP	04 09 19.6	-1.4
	eS	04 15 04.0	-1.8
HHC	39.7 322 eP	04 09 28.4	-1.8
BTO	40.5 320 eP	04 09 34.0	-2.9
	pP	04 09 41.0	-1.8
	eS	04 15 43.0	-2.4
CD2	40.7 304 eP	04 09 36.0	-2.6
LZH	42.5 311 P	04 09 58.0	4.5
GTA	46.7 313 eP	04 10 25.0	-2.7
	sP	04 10 33.0	-3.5
WMQ	56.8 315 P	04 11 43.3	0.2

1985 12 25
 O=03 01 23.4 ± 0.15s
 LAT=22.71 S ± 2.24km
 LONG=175.87 W ± 3.35km
 DEPTH= 70 km ± 0.49km
 STATIONS USED = 38, STAND DEV= 1.78s

GZH	82.5 299 P	03 13 40.5	-0.1
NJ2	82.8 309 -P	03 13 46.0	3.9
MDJ	83.5 324 -P	03 13 47.0	1.6
CN2	85.2 322 eP	03 13 52.6	-1.8

1985 12 25

December, 1985

O=04 04 03.4 ± 0.05s
 LAT=24.57 S ± 0.90km
 LONG=179.90 W ± 1.17km
 DEPTH=500 km

STATIONS USED = 20, STAND DEV = 1.03s
 CN2 84.5 324 -P 04 15 44.0 -0.7
 TIY 88.7 313 +P 04 16 05.8 0.9
 CD2 91.5 303 eP 04 16 18.8 0.9

1985 12 25

O=04 47 07.8 ± 0.08s
 LAT=32.14 N ± 1.19km
 LONG= 89.65 E ± 0.96km
 DEPTH= 33 km ± 0.11km
 STATIONS USED = 40, STAND DEV = 1.51s

Ms=4.7 / 5,

LSA	2.8	152	Pn	04 47 48.6	-1.9		
			LN			5.5	6.94
GTA	11.0	46	P	04 49 45.0	-1.0		
			LN			Ms=4.1	12.0 0.92
WMQ	11.8	353	P	04 49 57.0	0.5		
CD2	12.1	92	eP	04 50 01.6	0.6		
LZH	12.4	68	eP	04 50 03.0	-2.2		
KSH	13.3	307	eP	04 50 20.3	3.5		
KMI	13.4	118	eP	04 50 19.0	-0.1		
GYA	15.9	107	P	04 50 50.6	-0.2		
			S	04 53 41.0	-4.1		
			LN			Ms=4.7	10.0 1.50
XAN	16.3	78	eP	04 50 53.6	-2.0		
BTO	18.4	57	eP	04 51 22.0	-0.6		
TIY	19.5	67	eP	04 51 33.8	-1.1		
			LN			Ms=4.7	11.0 1.17
			LE				9.0 0.45
HHC	19.6	58	P	04 51 36.3	-0.1		
WHN	21.1	88	eP	04 51 52.5	0.0		
			eS	04 55 40.0	-1.1		
			LN			Ms=4.7	14.0 1.55
BJI	22.8	62	eP	04 52 09.5	0.7		
			LN			Ms=4.8	12.0 1.37
CN2	30.3	57	eP	04 53 18.0	-0.6		

1985 12 25

O=08 46 16.9 ± 0.04s
 LAT=36.57 N ± 0.58km
 LONG= 70.75 E ± 0.42km
 DEPTH=220 km ± 0.30km
 STATIONS USED = 15, STAND DEV = 0.93s

M_L=4.7 / 2,

KSH	5.0	54	eP	08 47 34.0	0.9		
			SMN			M _L =4.6	0.3 0.56

SME

WMQ	14.8	56	eP	08 49 36.8	-0.7		
GTA	23.0	74	eP	08 51 05.0	0.7		

1985 12 25

O=15 42 41.7 ± 0.18s
 LAT=62.18 N ± 2.63km
 LONG=124.08 W ± 1.51km
 DEPTH= 12 km ± 0.52km
 STATIONS USED = 61, STAND DEV = 1.33s

Ms=5.4 / 12,

m_B=5.7 / 5

MDJ	58.4	306	eP	15 52 38.0	-2.2		
CN2	60.6	309	-P	15 52 54.0	-1.6		
			PMZ			m _B =5.7	5.0 0.50
			eS	16 01 09.0	-1.5		
			SME			m _B =5.7	6.0 0.60
			LE			Ms=5.2	12.0 0.60
SNY	63.0	309	+P	15 53 12.0	0.3		
			S	16 01 40.0	0.5		
			LE			Ms=5.3	16.0 1.16
DL2	66.3	309	eP	15 53 30.0	-2.9		
			eS	16 02 26.5	5.3		
BJI	67.2	314	eP	15 53 37.5	-1.2		
			eS	16 02 33.0	0.8		
			SME			m _B =5.4	8.0 0.29
			LE			Ms=5.0	12.0 0.36
HHC	68.0	318	P	15 53 43.0	-0.8		
BTO	68.7	319	eP	15 53 48.0	-0.2		
			ePP	15 56 20.5	-0.7		
			eS	16 02 49.0	-1.4		
			LN			Ms=5.7	16.0 1.90
			LE				16.0 1.20
TIA	70.3	311	eP	15 53 57.3	-0.7		
			eS	16 03 10.5	1.3		
			LE			Ms=5.2	13.0 0.51
TIY	70.6	315	eP	15 53 58.5	-1.1		
			LN			Ms=5.4	14.0 0.67
			LE				15.0 0.86
WMQ	71.3	336	+P	15 54 04.5	0.5		
GTA	72.8	326	-P	15 54 12.8	0.1		
			S	16 03 37.5	1.7		
			LN			Ms=5.5	15.0 1.13
SSE	73.4	306	eP	15 54 16.0	-0.4		
			sP	15 54 25.0	0.1		
			S	16 03 48.0	4.8		
			LE			Ms=5.3	18.0 0.97
NJ2	73.4	308	-P	15 54 16.0	-0.5		
			S	16 03 45.0	1.5		
			LZ			Ms=4.9	16.0 0.30
LZH	74.7	321	-iP	15 54 25.0	0.7		

XAN	75.1	317	-P	15 54 25.5	-0.6					SSE	73.4	306	eP	19 00 36.0	-0.3				
WHN	76.4	311	-iP	15 54 33.8	0.0								eS	19 10 04.0	-0.5				
			PMZ					3.0	0.80				eSS	19 14 44.0	-3.8				
			iS	16 04 17.0	-1.2					NJ2	73.4	308	-P	19 00 36.0	-0.5				
			SME		$m_B=6.0$			8.0	1.04				LZ		$M_s=4.9$	16.0	0.30		
			LN		$M_s=5.6$			22.0	2.16	LZH	74.8	321	eP	19 00 44.5	0.1				
KSH	77.4	344	eP	15 54 41.5	2.0					XAN	75.1	317	eP	19 00 45.0	-1.2				
CD2	79.6	320	eP	15 54 51.5	0.2					WHN	76.4	311	P	19 00 53.5	-0.2				
GYA	82.8	316	P	15 55 08.8	0.5					KSH	77.5	344	eP	19 01 02.0	2.2				
			pP	15 55 15.0	1.1					CD2	79.6	320	eP	19 01 12.0	0.7				
			S	16 05 25.0	1.3					GYA	82.8	316	-P	19 01 29.0	0.7				
			SME		$m_B=5.8$			8.0	0.60										
			LN		$M_s=5.4$			18.0	0.80										
			LE					18.0	0.60										
GZH	83.6	309	eP	15 55 12.0	-0.1														
LSA	84.1	330	eP	15 55 16.0	0.5														
KMI	85.3	318	+P	15 55 22.0	1.0														
			S	16 05 53.0	4.4														
			LE		$M_s=5.6$			20.0	1.45										
1985 12 25																			
O=15 43 56.8 ± 0.29s																			
LAT=24.07 S ± 4.61km																			
LONG=66.79 W ± 1.73km																			
DEPTH=171 km ± 2.29km																			
STATIONS USED = 15, STAND DEV = 3.52s																			
WMQ	151.3	40	ePKP	16 03 28.8	3.9					BJI	71.5	322	eP	21 38 13.0	-0.6				
CN2	157.9	336	+PKP	16 03 32.0	-1.9					TIY	72.5	318	eP	21 38 19.5	0.0				
GTA	161.0	33	PKP	16 03 36.5	-0.9					XAN	72.9	313	eP	21 38 21.3	-0.5				
1985 12 25																			
O=18 49 01.7 ± 0.09s																			
LAT=62.10 N ± 1.28km																			
LONG=124.20 W ± 0.86km																			
DEPTH=12 km ± 0.24km																			
STATIONS USED = 50, STAND DEV = 0.84s																			
$M_s=4.9/3,$																			
CN2	60.7	309	eP	18 59 13.5	-2.1					QZH	76.6	304	-P	22 26 14.0	-0.5				
SNY	63.0	309	eP	18 59 31.5	-0.1								pP	22 27 52.0	-2.3				
BJI	67.2	314	eP	18 59 59.5	0.8								sP	22 28 40.0	-1.1				
			eS	19 08 52.0	-0.2								S	22 35 20.0	-2.0				
HHC	68.0	317	eP	19 00 03.5	-0.4								SMN		$m_B=5.6$	7.0	1.25		
BTO	68.7	318	eP	19 00 09.0	0.7								sS	22 38 18.0	-0.2				
TIA	70.3	311	eP	19 00 19.5	1.5					SSE	78.0	310	P	22 26 21.0	-1.2				
			LE		$M_s=4.9$			15.0	0.35				PMZ					1.0	0.050
TIY	70.6	315	eP	19 00 19.3	-0.3								ePcP	22 26 30.0	0.4				
			LN		$M_s=5.3$			13.0	0.33				pP	22 28 00.0	-2.4				
			LE					13.0	0.63				sP	22 28 46.0	-3.1				
WMQ	71.4	336	P	19 00 24.3	0.1								eS	22 35 33.0	-5.4				
GTA	72.8	326	P	19 00 33.0	0.2					GZH	79.9	300	-iP	22 26 32.5	0.7				
													PMZ		$m_B=5.7$	5.0	1.43		
													pP	22 28 14.0	1.5				
													sP	22 29 00.0	0.9				
													S	22 36 00.0	4.4				
													SMN		$m_B=5.7$	9.0	1.44		

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			SME		10.0	1.26			SKS	22 36 21.0	-0.2		
			sS	22 39 00.0	6.2				eS	22 36 26.0	-1.6		
NJ2	80.2	310	-P	22 26 33.5	-0.2				SMN	$m_B = 5.8$		7.0	1.20
			PMZ	$m_B = 5.6$		5.5	1.10		SME			7.0	0.80
			pP	22 28 14.0	-0.5				esS	22 39 20.0	-5.7		
			sP	22 29 00.0	-1.1				cSS	22 42 03.0	-2.3		
			S	22 36 02.0	2.7			TIA	83.7	313	-P	22 26 51.0	-0.3
			sS	22 38 59.0	1.4				PMZ	$m_B = 5.8$		5.5	1.62
QZN	80.9	295	P	22 26 37.5	0.3				pP	22 28 32.5	-0.5		
			sP	22 29 07.0	2.3				cSKS	22 36 27.0	0.4		
			S	22 36 05.0	-1.1				eS	22 36 40.0	4.6		
MDJ	81.1	325	-P	22 26 37.8	-0.7				SMN	$m_B = 5.8$		8.0	0.60
			PMZ			2.0	2.30		SME			5.5	0.98
			pP	22 28 18.0	-1.6				sS	22 39 36.0	2.2		
			sP	22 29 08.0	2.0			BJI	86.3	316	eP	22 27 04.0	-0.2
			S	22 36 13.0	4.4				PMZ	$m_B = 5.9$		4.0	1.22
			SMN			3.0	0.90		cpP	22 28 46.0	-0.6		
			SME			4.0	3.20		csP	22 29 30.0	-2.8		
			sS	22 39 09.0	1.6				SKS	22 36 45.0	0.8		
			SS	22 41 41.0	1.5				S	22 37 04.0	4.9		
DL2	82.2	317	-P	22 26 43.5	-0.4				SMN	$m_B = 5.7$		7.0	0.61
			PMZ	$m_B = 5.8$		4.0	1.18		SME			8.0	0.86
			pP	22 28 25.0	-0.3			GYA	86.8	300	-P	22 27 06.8	0.2
			sP	22 29 11.0	-0.6				PMZ			1.6	0.20
			ePP	22 30 01.0	0.0				pP	22 28 53.0	4.2		
			S	22 36 18.0	-1.3				sP	22 29 38.0	3.0		
			SMN	$m_B = 5.6$		6.0	0.55		SKS	22 36 50.0	2.9		
			SME			8.0	0.76		S	22 37 06.0	2.7		
			sS	22 39 20.0	1.4				SMN	$m_B = 5.7$		9.0	0.80
			SS	22 41 55.0	-0.3				SME			9.0	0.90
WHN	82.7	307	-P	22 26 46.5	0.0				sS	22 40 06.0	0.8		
			PMZ	$m_B = 5.8$		5.0	1.53	TIY	87.7	312	-iP	22 27 10.8	0.2
			pP	22 28 26.5	-1.4				PMZ	$m_B = 6.1$		4.0	1.55
			sP	22 29 12.0	-2.3				pP	22 28 53.0	-0.2		
			eSKS	22 36 23.0	2.8				SKS	22 36 54.0	1.5		
			iS	22 36 28.0	2.0				S	22 37 21.0	9.7		
			SMN	$m_B = 5.4$		8.0	0.65		SME	$m_B = 5.7$		9.5	1.14
SNY	82.7	320	-iP	22 26 46.0	-0.6				sS	22 40 08.5	-5.2		
			PMZ	$m_B = 5.9$		4.0	1.45	XAN	88.4	308	-iP	22 27 14.8	0.6
			pP	22 28 26.5	-1.6				PMZ			1.0	1.00
			sP	22 29 11.0	-3.4				sP	22 29 42.0	-0.9		
			S	22 36 21.0	-3.6				SKS	22 36 56.0	-1.3		
			SMN	$m_B = 5.6$		9.0	0.88		iS	22 37 25.5	5.4		
			SME			14.0	1.29		SMN	$m_B = 6.0$		7.0	1.20
			SKS	22 36 24.5	4.2				SME			8.0	1.50
CN2	82.9	323	-iP	22 26 46.5	-0.8				sS	22 40 24.0	2.9		
			PMZ	$m_B = 6.0$		4.0	2.00	KMI	89.4	297	-iP	22 27 20.0	0.9
			pP	22 28 26.5	-2.3				PMZ			3.0	0.71
			sP	22 29 12.0	-3.1				pP	22 29 00.0	-1.9		
			ePP	22 30 02.5	-3.8				sP	22 29 46.0	-1.8		

			SKS	22 37 05.0	1.7
			S	22 37 23.0	-4.3
HHC	89.8	315	+iP	22 27 20.0	-0.6
			pP	22 29 02.0	-1.5
			PP	22 30 59.0	-2.9
			S	22 37 28.0	-2.4
			SMN	$m_B = 5.9$	10.0 1.02
			SME		9.0 1.33
BTO	90.7	314	-iP	22 27 24.5	-0.3
			pP	22 29 08.5	0.7
			sP	22 29 51.0	-2.7
			PP	22 31 06.5	-1.6
			eSKS	22 37 12.5	1.8
			S	22 37 37.0	-1.5
CD2	91.0	303	eP	22 27 26.5	0.4
			sP	22 29 54.0	-1.1
			SKS	22 37 14.0	1.7
			S	22 37 34.0	-7.1
LZH	93.1	308	-iP	22 27 36.0	0.2
GTA	97.3	309	-P	22 27 54.0	-1.0
			SKS	22 37 40.8	-5.2
KSH	115.1	305	(PKP)	22 33 08.0	8.5
			PP	22 34 07.0	-4.0

			LAT = 30.64 N	$\pm 1.28\text{km}$
			LONG = 139.79 E	$\pm 0.80\text{km}$
			DEPTH = 58 km	$\pm 0.52\text{km}$
			STATIONS USED = 8,	STAND DEV = 1.96s
CN2	17.4	323	+P	03 55 30.5 -0.7
BJI	21.4	302	eP	03 56 14.5 -1.3
XAN	26.3	286	P	03 57 02.0 -1.0

1985 12 26

O = 00 05 10.4 $\pm 0.46\text{s}$

LAT = 10.88 S $\pm 10.80\text{km}$

LONG = 74.96 W $\pm 14.18\text{km}$

DEPTH = 31 km $\pm 2.73\text{km}$

STATIONS USED = 21, STAND DEV = 4.45s

WMQ	143.9	21	PKP	00 24 41.0	-2.8
SNY	145.1	335	ePKP	00 24 44.5	-1.4
BJI	149.3	343	ePKP	00 24 56.5	3.8
GTA	151.2	8	PKP	00 24 56.0	0.2
TIY	152.5	347	PKP	00 25 03.5	5.9
LSA	157.2	33	ePKP	00 25 04.0	-0.5

1985 12 26

O = 04 11 29.3 $\pm 0.28\text{s}$

LAT = 28.02 N $\pm 5.79\text{km}$

LONG = 142.21 E $\pm 3.23\text{km}$

DEPTH = 31 km $\pm 0.82\text{km}$

STATIONS USED = 18, STAND DEV = 2.11s

$M_s = 4.3 / 3,$ $m_B = 5.2 / 6$

SSE	18.5	285	P	04 15 42.0	-3.7
			PMZ	$m_B = 5.2$	9.0 1.08
			sP	04 15 56.0	-1.5
			cS	04 19 03.0	-5.4
			LE	$M_s = 4.3$	7.0 0.33
NJ2	20.6	287	+P	04 16 09.0	0.3
			PMZ	$m_B = 5.6$	5.0 1.40
			S	04 19 51.0	-1.0
QZH	21.4	267	P	04 16 17.0	0.6
			sS	04 20 19.0	-1.5
WHN	24.4	283	P	04 16 49.0	2.6
			PMZ	$m_B = 5.5$	6.0 1.13
			S	04 21 10.0	9.1
			SME	$m_B = 5.2$	10.0 0.77
			LN	$M_s = 4.8$	11.0 0.65
			LE		13.0 0.88
BJI	24.6	306	eP	04 16 46.5	-1.7
			PMZ	$m_B = 5.2$	6.0 0.53
			cS	04 21 06.0	1.3
			SMN	$m_B = 5.1$	8.0 0.33
			SME		9.0 0.35
			eSS	04 22 08.0	7.8
TIY	26.7	299	eP	04 17 09.5	1.2
			sS	04 21 50.0	-4.4
			LE	$M_s = 4.3$	13.0 0.39
XAN	29.1	290	eP	04 17 30.0	0.5
BTO	29.2	304	+P	04 17 32.0	1.0
			eS	04 22 21.0	0.3
GTA	36.7	299	eP	04 18 34.5	-1.8

1985 12 26

O = 01 59 51.8 $\pm 0.09\text{s}$

LAT = 24.84 N $\pm 4.06\text{km}$

LONG = 142.48 E $\pm 1.72\text{km}$

DEPTH = 39 km $\pm 0.84\text{km}$

STATIONS USED = 10, STAND DEV = 2.18s

WHN	25.5	289	eP	02 05 18.0	-0.6
GYA	32.3	281	P	02 06 19.0	-0.5
CD2	34.6	289	eP	02 06 39.5	-0.4
KMI	35.9	279	eP	02 06 51.5	0.3

1985 12 26

O = 04 55 06.2 $\pm 0.13\text{s}$

LAT = 30.66 N $\pm 3.32\text{km}$

LONG = 139.87 E $\pm 2.41\text{km}$

DEPTH = 87 km $\pm 2.03\text{km}$

SME		0.2	0.24		cS	17 18 06.0	6.5		
1985 12 26					SME	$m_B=4.9$	8.0	0.25	
O=08 48 49.6		± 0.09s		LN	$M_s=4.5$	12.0	0.71		
LAT=14.09 S		± 1.28km		TIY	23.6 295 +P	17 14 27.3	1.6		
LONG=166.58 E		± 2.30km		LE		$M_s=4.2$	15.0	0.43	
DEPTH= 38 km		± 0.55km		HHC	24.9 302 P	17 14 39.0	0.5		
STATIONS USED = 33, STAND DEV = 1.45s					BTO	26.0 301 eP	17 14 49.0	0.4	
NJ2	64.8 316	eP	08 59 26.5	-0.4	ePP	17 15 29.0	-3.7		
MDJ	67.4 332	eP	08 59 42.5	-1.3	cS	17 19 17.0	5.8		
CN2	68.8 329	+P	08 59 50.5	-1.8	LN		$M_s=4.5$	15.0 0.50	
BJI	71.3 321	eP	09 00 07.0	-1.1	LE		15.0	0.50	
TIY	72.3 318	eP	09 00 13.5	-0.6	XAN	26.2 286 -P	17 14 50.5	0.2	
XAN	72.8 313	P	09 00 16.8	0.2	GYA	29.3 270 P	17 15 18.5	0.1	
KMI	73.4 302	eP	09 00 21.0	0.5	CD2	30.8 280 eP	17 15 32.0	0.1	
HHC	74.7 320	eP	09 00 27.8	0.0	GTA	33.6 296 -P	17 15 55.3	-0.9	
CD2	75.1 308	eP	09 00 29.8	-0.4	WMQ	42.8 303 -P	17 17 14.0	1.1	
BTO	75.5 319	eP	09 00 33.3	0.7	1985 12 26				
GTA	81.7 314	+P	09 01 06.3	-0.5	O=18 04 26.2		± 0.11s		
1985 12 26					LAT=27.15 N		± 1.49km		
O=17 09 21.6		± 0.08s			LONG= 92.10 E		± 1.28km		
LAT=30.67 N		± 1.69km			DEPTH= 11 km		± 0.27km		
LONG=139.71 E		± 1.58km			STATIONS USED = 41, STAND DEV = 1.86s				
DEPTH= 85 km		± 0.96km			$M_s=4.1 / 5,$				
STATIONS USED = 54, STAND DEV = 1.34s					LSA	2.7 342 +iPg	18 05 15.8	1.8	
$M_s=4.3 / 9,$		$m_B=5.0 / 3$			iSg		18 05 54.8	4.7	
SSE	15.9 276	eP	17 13 00.0	-2.0	LN			5.0 3.90	
		LN		$M_s=4.3$	12.0	0.72			
MDJ	16.0 333	eP	17 13 00.0	-3.6	KMI	9.8 100 +P	18 06 52.0	1.7	
DL2	17.0 304	eP	17 13 17.0	2.0	eS		18 08 32.0	-9.4	
		LN		$M_s=4.1$	9.0	0.33		8.0 0.38	
SNY	17.1 315	+iP	17 13 18.5	1.8	CD2	10.9 67 eP	18 07 06.3	1.1	
		eS	17 16 30.0	7.3	S		18 09 08.0	0.5	
		LN		$M_s=4.4$	12.0	0.48		-3.4	
		LE			13.0	0.77		-0.8	
CN2	17.3 323	-P	17 13 19.0	-0.4	GTA	13.8 26 +P	18 07 43.3	-1.6	
		PMZ		$m_B=5.0$	6.0	0.50		$M_s=4.0$	11.0 0.48
		eS	17 16 33.0	5.4	XAN	16.0 61 P	18 08 11.5	-2.1	
		SS	17 16 55.0	3.7	WMQ	17.0 349 P	18 08 27.0	0.8	
		LN		$M_s=4.3$	11.0	0.60		1.4	
NJ2	17.9 280	+P	17 13 26.5	0.3	BTO	20.0 43 eP	18 09 00.0	-2.0	
		LN		$M_s=4.5$	12.0	1.00		18 12 36.0	-5.5
TIA	19.6 292	eP	17 13 46.2	0.1	LN		$M_s=4.1$	14.0 0.30	
BJI	21.3 302	eP	17 14 03.0	-0.3	LE			14.0 0.20	
		eS	17 17 56.0	5.9	TIY	20.1 53 P	18 09 01.3	-1.9	
		LN		$M_s=4.2$	12.0	0.34		18 12 47.0	4.0
WHN	21.8 276	P	17 14 08.5	0.1	LN		$M_s=4.1$	11.0 0.20	
		PMZ		$m_B=5.4$	4.0	0.78		11.0 0.25	
		ePP	17 14 31.0	-6.1	HHC	21.1 45 +P	18 09 13.5	0.0	
					BJI	23.7 51 eP	18 09 41.0	1.4	

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NJ2	23.7	72	eP	18 09 42.5	2.8			
SSE	25.7	74	eP	18 10 01.8	3.5			
			LN			$M_s=5.0$	8.0	1.13
SNY	29.6	52	eP	18 10 36.3	2.3			
CN2	31.6	49	eP	18 10 52.0	0.5			

1985 12 26

O = 18 56 02.4 ± 0.05s

LAT = 30.66 N ± 1.21km

LONG = 139.91 E ± 1.75km

DEPTH = 111 km ± 1.22km

STATIONS USED = 15, STAND DEV = 1.00s

CN2	17.4	323	eP	18 59 59.5	-0.5			
TIA	19.8	292	eP	19 00 25.9	-0.6			
BJI	21.5	302	eP	19 00 43.5	0.2			
WHN	22.0	276	eP	19 00 48.8	0.1			
TIY	23.7	295	eP	19 01 07.0	1.3			
HHC	25.1	302	P	19 01 18.5	0.1			
BTO	26.1	301	eP	19 01 29.0	0.6			
XAN	26.3	286	eP	19 01 30.0	-0.3			
CD2	31.0	280	eP	19 02 11.5	-0.3			
GTA	33.7	296	eP	19 02 34.3	-1.6			

1985 12 27

O = 00 46 15.6 ± 0.14s

LAT = 28.53 N ± 2.86km

LONG = 140.44 E ± 2.74km

DEPTH = 22 km ± 1.09km

STATIONS USED = 24, STAND DEV = 2.42s

$m_B=5.2/7$

SSE	16.9	283	eP	00 50 12.0	-0.7			
			PMZ			$m_B=5.2$	8.0	0.85
			eS	00 53 27.0	8.0			
			eSS	00 53 41.0	2.1			
MDJ	18.2	335	eP	00 50 24.0	-5.4			
DL2	18.7	308	eP	00 50 37.0	1.6			
			PMZ			$m_B=5.2$	6.0	0.72
			SMN			$m_B=5.2$	6.0	0.55
			SME				7.0	0.60
			eSS	00 54 20.0	-4.4			
NJ2	19.0	286	+P	00 50 40.0	1.7			
			PMZ			$m_B=5.3$	6.0	0.90
			sS	00 54 19.0	3.2			
			SS	00 54 27.5	-2.8			
SNY	19.1	318	eP	00 50 38.0	-1.7			
CN2	19.4	326	+P	00 50 39.0	-4.4			
QZH	19.8	265	P	00 50 49.5	1.5			
			PMZ			$m_B=5.0$	6.0	0.45
TIA	21.1	297	eP	00 51 02.1	0.8			
WHN	22.8	281	+P	00 51 20.0	2.0			

			PMZ			$m_B=5.6$		
			PP	00 51 54.0	7.6			
			sS	00 55 34.0	1.0			
BJI	23.0	306	eP	00 51 20.0	-0.5			
			PMZ			$m_B=5.1$	6.0	0.53
			esS	00 55 38.0	0.4			
TIY	25.1	299	P	00 51 41.5	0.7			
			PP	00 52 20.0	2.0			
			S	00 56 05.5	4.6			
			sS	00 56 21.5	8.0			
XAN	27.4	290	eP	00 52 01.0	-1.3			
			eS	00 56 41.0	1.1			
BTO	27.7	304	eP	00 52 05.0	0.6			
GTA	35.1	299	P	00 53 08.8	-1.4			
WMQ	44.5	305	P	00 54 27.3	-0.4			

1985 12 27

O = 05 38 52.0 ± 0.14s

LAT = 5.88 S ± 2.41km

LONG = 103.87 E ± 3.32km

DEPTH = 23 km ± 0.32km

STATIONS USED = 88, STAND DEV = 2.04s

$M_s=7.0/24,$ $m_B=6.3/7$

QZN	25.4	13	P	05 44 20.5	0.4			
			pP	05 44 29.0	1.6			
			sP	05 44 33.0	2.1			
			PP	05 44 59.0	0.4			
			iS	05 48 45.0	1.5			
			SS	05 49 49.0	3.9			
			ScP	05 51 25.5	-3.0			
			PcS	05 51 32.0	0.8			
			LN			$M_s=7.1$	14.0	135
			LE				15.0	206
GZH	30.2	18	-P	05 45 07.0	3.3			
			PP	05 46 04.0	1.9			
			iS	05 50 01.5	0.6			
			SMN				13.0	12.6
			SME				13.0	5.10
			sS	05 50 10.0	-3.4			
			LN			$M_s=6.9$	14.0	49.2
			LE				14.5	105
KMI	30.8	358	+P	05 45 09.5	0.3			
			PP	05 46 16.0	6.2			
			iS	05 50 12.5	1.8			
			SME			$m_B=6.3$	7.0	4.70
			LE			$M_s=7.3$	20.0	454
GYA	32.3	5	P	05 45 21.0	-0.6			
			S	05 50 28.0	-3.8			
			ScS	05 55 49.8	2.3			
			LE			$M_s=7.0$	17.0	154

QZH	33.8	24	P	05 45 38.0	3.0					PcP	05 48 44.8	0.7			
			PP	05 46 54.0	6.2					ScP	05 52 33.8	1.0			
			S	05 50 59.0	2.9					S	05 53 20.0	-4.7			
			SMN	$m_B = 6.0$		10.0	2.19			SMN			14.0	2.47	
			SME			10.0	1.85			SME			10.0	2.87	
			LN	$M_s = 6.6$		14.0	56.7			ScS	05 56 52.5	0.3			
CD2	36.6	360	eP	05 45 56.5	-2.1					LN	$M_s = 6.8$		13.0	10.9	
			iS	05 51 38.0	-1.7					LE			14.0	57.0	
			LN	$M_s = 7.2$		16.0	202			LZ	$M_s = 6.7$		13.0	35.1	
LSA	37.4	342	+P	05 46 05.5	-0.7				TIY	44.1	10	P	05 47 00.0	-0.8	
			pP	05 46 13.5	0.3							iS	05 53 30.0	-2.0	
			PcP	05 48 24.3	0.4							SMN	$m_B = 6.2$	10.0	2.43
			iS	05 51 50.3	-3.1							SME		8.0	2.21
			LN	$M_s = 6.6$		17.0	50.2					sS	05 53 48.0	3.5	
WHN	37.6	15	-P	05 46 07.8	0.8							LN	$M_s = 7.1$	17.0	52.6
			pP	05 46 15.0	0.4							LE		16.0	110
			PP	05 47 35.0	-0.1				GTA	45.2	356	P	05 47 10.0	0.1	
			PcP	05 48 29.0	4.6							pP	05 47 18.0	0.6	
			iS	05 51 52.0	-2.9							iS	05 53 45.5	-2.8	
			SMN	$m_B = 6.3$		10.0	4.42					SME	$m_B = 6.3$	9.5	4.28
			SME			9.0	3.08					SS	05 56 55.0	-6.6	
			PcS	05 52 14.0	2.2							LE	$M_s = 7.2$	17.0	163
			SS	05 54 23.0	-5.1				BTO	46.6	6	P	05 47 20.0	-0.7	
			iScS	05 56 12.0	-4.0							pP	05 47 27.0	-1.2	
			LE	$M_s = 7.1$		16.0	145					PP	05 49 10.0	0.5	
XAN	40.0	7	P	05 46 24.8	-2.3							S	05 54 04.0	-2.6	
			pP	05 46 34.0	-0.6							SMN	$m_B = 6.3$	12.0	4.40
			PP	05 48 02.0	-0.9							SME		10.0	2.30
			S	05 52 24.0	-6.4							SS	05 57 21.0	-4.4	
			SMN			16.0	10.0					LN	$M_s = 7.0$	15.0	74.2
			SME			9.0	6.30					LE		15.0	51.1
			LN	$M_s = 7.2$		15.0	31.7					LZ	$M_s = 7.1$	15.0	93.8
			LE			18.0	190		HHC	47.0	8	-P	05 47 24.5	0.3	
SSE	40.3	23	-iP	05 46 33.0	3.2							pP	05 47 32.0	0.3	
			pP	05 46 40.0	2.6							PcP	05 49 00.0	-4.2	
			sP	05 46 44.0	3.2							PP	05 49 15.0	1.3	
			PP	05 48 10.0	3.6							iS	05 54 16.0	1.8	
			S	05 52 35.0	-0.4							LN	$M_s = 7.2$	17.0	118
			sS	05 52 50.0	1.1							LE		17.0	94.8
			SS	05 55 32.0	3.4										
			ScS	05 56 31.0	-0.9										
			LN	$M_s = 7.0$		13.0	75.8		BJI	47.1	13	eP	05 47 24.0	-0.4	
			LE			12.0	28.5					PMZ	$m_B = 5.7$	6.0	0.75
NJ2	40.3	20	+P	05 46 31.8	1.9							epP	05 47 32.0	0.0	
			sP	05 46 42.0	1.1							eS	05 54 09.0	-5.5	
			S	05 52 34.0	-1.5							SMN		14.0	5.58
			LE	$M_s = 6.7$		12.0	42.4					LN	$M_s = 7.0$	19.0	48.2
LZH	41.7	360	eP	05 46 41.0	-0.7				DL2	47.5	19	eP	05 47 28.0	0.2	
			eS	05 52 52.0	-5.8							pP	05 47 36.0	0.6	
TIA	43.7	16	eP	05 46 57.5	0.2							sP	05 47 40.0	1.3	
												PcP	05 48 59.0	1.6	

			PP	05 49 27.0	9.0		
			PcS	05 52 57.0	5.6		
			S	05 54 18.0	-1.5		
			sS	05 54 31.0	-2.3		
			SS	05 57 42.0	0.8		
			LN	Ms=7.0	21.0	59.0	
			LE		16.0	68.0	
SNY	50.8	19	+P	05 47 51.5	-1.5		
			pP	05 48 00.0	-0.6		
			S	05 55 05.0	-0.2		
			LN	Ms=6.8	15.0	26.3	
			LE		15.0	36.0	
WMQ	51.6	345	P	05 47 57.5	-1.7		
			PcP	05 49 15.0	2.7		
			PP	05 49 55.5	-0.8		
			ScP	05 53 05.0	-0.9		
			S	05 55 16.0	-0.4		
KSH	51.9	333	P	05 48 02.8	0.8		
			pP	05 48 10.8	1.3		
			sP	05 48 15.8	2.9		
			ePP	05 50 03.8	4.1		
			iS	05 55 22.8	0.0		
			sS	05 55 35.8	0.5		
			LN	Ms=7.0	13.0	54.1	
			LE		12.0	26.0	
CN2	53.2	19	+iP	05 48 09.0	-1.9		
			pP	05 48 17.5	-1.1		
			PcP	05 49 20.0	1.9		
			ScP	05 53 12.0	-0.7		
			eS	05 55 32.0	-7.0		
			SS	05 59 14.0	-2.5		
			LE	Ms=6.8	14.0	40.0	
MDJ	55.3	22	+P	05 48 25.5	-1.4		
			pP	05 48 30.0	-4.6		
			sP	05 48 34.0	-3.9		
			PcP	05 49 25.0	-1.4		
			S	05 56 08.5	1.4		
			LE	Ms=6.7	13.0	28.2	
1985 12 27							
O=06 54 16.2 ± 1.20s							
LAT=24.25 N ± 7.88km							
LONG=121.28 E ± 6.88km							
DEPTH= 6 km ± 0.32km							
STATIONS USED = 10, STAND DEV = 2.15s							
M _L =3.3 / 8,							
QZH	2.5	286	ePn	06 54 57.5	-0.7		
			Sn	06 55 34.0	2.6		
			SMN	M _L =3.6	0.7	0.39	
			SME		0.6	0.22	

1985 12 27							
O=08 04 58.9 ± 0.05s							
LAT=27.56 N ± 0.92km							
LONG=140.13 E ± 1.10km							
DEPTH=485 km ± 0.56km							
STATIONS USED = 19, STAND DEV = 0.99s							
TIA	21.3	300	eP	08 09 11.3	-0.2		
WHN	22.7	284	P	08 09 23.5	-0.8		
XAN	27.5	291	P	08 10 06.8	-0.4		
GYA	29.8	276	P	08 10 27.0	-0.1		
CD2	31.8	285	P	08 10 44.3	-0.2		
GTA	35.4	300	-iP	08 11 14.3	0.0		
1985 12 27							
O=12 55 00.1 ± 0.10s							
LAT=30.30 N ± 2.70km							
LONG=140.15 E ± 2.46km							
DEPTH= 43 km ± 1.43km							
STATIONS USED = 32, STAND DEV = 2.00s							
Ms=4.3 / 5,							
DL2	17.5	304	P	12 59 07.0	4.6		
SNY	17.6	315	eP	12 59 04.0	-0.3		
			S	13 02 24.0	8.0		
			LN	Ms=4.3	12.0	0.72	
CN2	17.8	323	+P	12 59 05.0	-1.9		
			pP	12 59 15.0	-0.8		
			eS	13 02 26.0	4.7		
			LN	Ms=4.2	10.0	0.40	
BJI	21.8	303	eP	12 59 49.0	-1.6		
			eS	13 03 52.0	7.9		
WHN	22.2	277	eP	12 59 54.5	-0.3		
			LN	Ms=4.4	15.0	0.73	
TIY	24.1	295	P	13 00 13.5	0.6		
			LE	Ms=4.3	14.0	0.46	
BTO	26.5	301	eP	13 00 35.0	-0.8		
XAN	26.6	286	P	13 00 36.0	-1.1		
			S	13 05 13.0	6.8		
			LN	Ms=4.6	16.0	0.70	
			LE		14.0	0.33	
LZH	30.8	291	eP	13 01 12.5	-2.1		
GTA	34.1	297	P	13 01 41.8	-1.4		
WMQ	43.3	303	P	13 02 59.5	-0.4		
1985 12 27							
O=14 22 10.8 ± 0.36s							
LAT=30.56 N ± 2.51km							
LONG=139.59 E ± 4.64km							
DEPTH= 37 km ± 0.84km							
STATIONS USED = 9, STAND DEV = 1.71s							

SNY	17.1	315	eP	14 26 10.5	1.7
CN2	17.3	324	eP	14 26 11.5	-0.2
BJI	21.3	303	eP	14 26 55.5	-0.9
WHN	21.7	276	eP	14 27 01.5	0.5
BTO	25.9	301	eP	14 27 41.0	-1.0
XAN	26.1	286	P	14 27 42.8	-0.6

1985 12 27

O=14 35 56.7 ± 0.04s

LAT=25.90 N ± 0.82km

LONG=141.76 E ± 0.96km

DEPTH= 85 km ± 0.20km

STATIONS USED = 14, STAND DEV = 1.05s

SNY	21.8	321	eP	14 40 44.0	0.2
XAN	29.5	294	eP	14 41 55.0	-0.3
GTA	37.5	302	P	14 43 03.3	-0.9

1985 12 27

O=14 50 20.6 ± 0.20s

LAT=39.86 N ± 1.78km

LONG= 77.15 E ± 1.17km

DEPTH= 10 km ± 1.00km

STATIONS USED = 21, STAND DEV = 2.27s

Ms=4.2/ 2, M_L=4.6/ 4,

KSH	1.0	246	+Pg	14 50 39.0	0.6
			iSg	14 50 55.0	3.2
			SME	M _L =5.0	1.0 37.7
WMQ	8.8	60	P	14 52 30.0	-1.3
			S	14 54 07.3	-4.0
			LG ₁	14 54 59.0	1.7
			SMN	M _L =4.8	1.5 0.14
			SME		1.7 0.22
GTA	17.5	84	P	14 54 28.0	1.7
			LE	M _s =4.1	10.0 0.35
LZH	21.3	92	eP	14 55 08.5	-2.2
CD2	23.4	104	eP	14 55 32.6	1.7
XAN	26.0	93	eP	14 55 54.8	-0.7
TIY	27.5	83	eP	14 56 09.5	0.0
			LE	M _s =4.4	13.0 0.39

1985 12 27

O=14 56 12.7 ± 0.10s

LAT= 5.72 S ± 1.83km

LONG=104.17 E ± 2.15km

DEPTH= 56 km ± 0.26km

STATIONS USED = 37, STAND DEV = 1.58s

GYA	32.1	4	eP	15 02 36.8	-0.3
CD2	36.4	359	eP	15 03 13.8	-0.5
WHN	37.4	15	e(P)	15 03 28.0	6.0
XAN	39.8	6	P	15 03 41.8	-0.7

TIY	43.9	9	eP	15 04 17.0	0.9
GTA	45.1	355	P	15 04 25.5	-0.2
BJI	46.9	13	eP	15 04 40.0	0.4
SNY	50.5	19	eP	15 05 09.0	1.0
WMQ	51.5	345	+P	15 05 15.0	-0.5
CN2	52.9	19	eP	15 05 23.8	-2.1

1985 12 27

O=15 57 24.2 ± 0.23s

LAT=30.69 N ± 2.01km

LONG=139.59 E ± 3.42km

DEPTH= 35 km ± 0.58km

STATIONS USED = 19, STAND DEV = 2.28s

Ms=4.1/ 3,

SSE	15.8	276	eP	16 01 07.0	1.0
			esS	16 04 08.0	-4.1
			eSS	16 04 24.0	5.7
			LN	M _s =4.0	11.0 0.38
SNY	17.0	315	eP	16 01 23.0	1.8
CN2	17.2	323	eP	16 01 24.0	0.0
TIA	19.5	292	eP	16 01 50.7	-0.9
BJI	21.2	302	eP	16 02 08.0	-1.3
WHN	21.7	276	+P	16 02 14.5	0.1
TIY	23.5	295	+P	16 02 32.0	0.1
			esS	16 06 53.0	-1.7
			LE	M _s =4.1	11.0 0.25
BTO	25.9	301	eP	16 02 53.5	-1.5
			eS	16 07 26.0	5.5
			LN	M _s =4.4	15.0 0.40
			LE		15.0 0.40
XAN	26.1	285	P	16 02 55.0	-1.7
GTA	33.5	296	P	16 04 00.0	-2.9

1985 12 27

O=17 32 48.7 ± 0.03s

LAT=29.88 S ± 0.71km

LONG= 75.45 E ± 0.85km

DEPTH= 10 km ± 0.06km

STATIONS USED = 14, STAND DEV = 0.51s

GYA	63.5	31	eP	17 43 22.5	0.4
CD2	66.2	26	eP	17 43 38.5	-0.9
LZH	70.8	24	eP	17 44 08.0	-0.5
XAN	71.0	29	P	17 44 09.0	-0.4
GTA	72.6	20	P	17 44 19.0	0.1
WMQ	74.2	9	+P	17 44 27.8	-0.5
TIY	75.6	30	eP	17 44 36.5	0.0

1985 12 27

O=19 52 15.1 ± 0.15s

LAT=18.67 N ± 3.60km

LONG = 119.90 E ± 3.46km
 DEPTH = 14 km ± 2.17km
 STATIONS USED = 21, STAND DEV = 2.59s
 Ms = 3.7 / 2,

QZH	6.4	349	cP	19 53 45.5	-5.4
QZN	9.5	274	cP	19 54 31.8	-3.4
			S	19 56 18.5	-4.4
			LN	Ms = 3.5	14.0 0.30
XAN	18.2	330	cP	19 56 28.5	-0.6
CD2	19.0	313	P	19 56 39.5	-0.1
TIY	20.1	343	cP	19 56 50.0	-1.3
			LE	Ms = 4.0	15.0 0.32
BJI	21.5	352	cP	19 57 05.5	-0.8
LZH	22.4	324	P	19 57 15.5	0.3
HHC	23.2	344	cP	19 57 25.0	1.7
SNY	23.3	7	cP	19 57 23.3	-0.5
BTO	23.4	341	cP	19 57 25.0	-0.4
CN2	25.5	9	cP	19 57 44.0	-0.9
GTA	27.0	324	cP	19 57 59.0	-0.2

1985 12 27
 O = 20 11 01.1 ± 0.06s
 LAT = 33.24 N ± 1.91km
 LONG = 142.38 E ± 1.43km
 DEPTH = 31 km ± 0.72km
 STATIONS USED = 32, STAND DEV = 1.25s
 Ms = 4.8 / 1,

CN2	16.9	313	cP	20 14 54.0	-3.2
SNY	17.2	305	cP	20 15 03.5	2.9
NJ2	19.8	273	+P	20 15 31.5	-1.1
			LN	Ms = 4.8	11.0 1.60
BJI	22.1	295	cP	20 15 56.5	1.3
WHN	23.9	271	cP	20 16 14.0	0.4
TIY	24.7	289	cP	20 16 21.5	-0.1
BTO	26.8	295	cP	20 16 42.0	1.1
XAN	27.8	281	+P	20 16 50.0	0.0
GYA	31.6	267	P	20 17 23.5	-0.4
CD2	32.7	277	cP	20 17 32.5	-0.9
GTA	34.6	293	cP	20 17 50.0	0.1
WMQ	43.4	301	cP	20 19 04.3	1.4

1985 12 27
 O = 21 35 20.0 ± 0.12s
 LAT = 42.29 N ± 1.20km
 LONG = 77.85 E ± 1.24km
 DEPTH = 11 km ± 1.47km
 STATIONS USED = 9, STAND DEV = 3.67s
 M_L = 4.1 / 5,

KSH	3.2	207	cPn	21 36 10.5	0.1
			-Pg	21 36 14.0	-1.9

Sg	21 36 54.8	-4.4		
SMN		M _L = 4.5	0.6	1.10
SME			1.0	2.07
GTA	16.9	92	P	21 39 19.8 1.7

1985 12 27
 O = 22 43 36.1 ± 0.11s
 LAT = 18.21 N ± 2.54km
 LONG = 119.74 E ± 1.64km
 DEPTH = 22 km ± 1.13km
 STATIONS USED = 13, STAND DEV = 1.99s
 Ms = 4.5 / 8,

QZH	6.8	351	cP	22 45 16.5	-0.5
GZH	7.7	310	cP	22 45 31.5	1.5
			LN	Ms = 4.1	11.0 0.58
			LE		11.0 1.29
QZN	9.4	276	P	22 45 51.0	-2.8
			S	22 47 42.0	2.1
			LE	Ms = 3.9	12.0 0.74
XAN	18.5	331	cP	22 47 53.3	0.3
			LE	Ms = 4.3	11.0 0.50
CD2	19.2	314	cP	22 48 03.0	1.1
			cS	22 51 30.0	-2.4
			LE	Ms = 4.7	11.0 1.39
			LZ	Ms = 4.8	12.0 1.60
BJI	22.0	353	cP	22 48 29.5	-1.0
SNY	23.8	7	cP	22 48 46.8	-1.4
BTO	23.8	341	cP	22 48 47.0	-1.9
			cS	22 52 59.0	-1.6
			LN	Ms = 4.4	13.0 0.50
			LE		13.0 0.30
			LZ	Ms = 4.5	13.0 0.70
CN2	26.0	9	cP	22 49 07.5	-1.7
GTA	27.3	325	cP	22 49 23.5	1.9
			LE	Ms = 4.5	11.0 0.49

1985 12 28
 O = 00 16 09.2 ± 0.13s
 LAT = 12.47 N ± 1.78km
 LONG = 142.83 E ± 1.57km
 DEPTH = 14 km ± 0.36km
 STATIONS USED = 44, STAND DEV = 1.51s
 Ms = 4.6 / 1,

SSE	27.2	316	cP	00 21 54.3	-0.8
			cpP	00 22 01.3	0.1
			cS	00 26 32.0	-0.2
			csS	00 26 46.0	3.6
			LE	Ms = 4.6	11.0 0.63
WHN	31.9	309	cP	00 22 36.7	0.2
			pP	00 22 42.5	-0.1

DL2	32.4	328	eP	00 22 39.0	-1.7
SNY	33.7	334	eP	00 22 52.5	-0.1
CN2	34.6	338	-P	00 23 00.8	0.4
BJI	36.1	324	eP	00 23 13.0	-0.2
			pP	00 23 19.0	-0.4
			S	00 28 43.0	-8.0
GYA	36.7	298	eP	00 23 19.5	1.5
			pP	00 23 25.5	1.5
TIY	37.0	318	P	00 23 20.5	0.0
			sS	00 29 16.0	0.7
XAN	37.6	311	eP	00 23 24.5	-0.8
			pP	00 23 31.0	-0.5
			S	00 29 12.0	-1.0
HHC	39.4	322	P	00 23 41.0	0.6
KMI	39.8	294	eP	00 23 47.5	3.1
BTO	40.2	320	eP	00 23 46.5	-0.6
			pP	00 23 51.0	-2.2
CD2	40.4	303	eP	00 23 49.3	0.2
LZH	42.2	311	eP	00 24 04.0	0.1
GTA	46.5	313	+P	00 24 37.5	-0.6
			pP	00 24 44.0	-0.2
WMQ	56.5	315	P	00 25 52.5	-1.2

1985 12 28

O = 04 38 32.1 ± 0.12s
 LAT = 51.57 N ± 0.42km
 LONG = 177.07 W ± 1.05km
 DEPTH = 64 km ± 1.36km
 STATIONS USED = 52, STAND DEV = 0.91s
 Ms = 4.6 / 4,

SNY	40.8	280	+P	04 46 10.0	0.7
			eS	04 52 06.0	-9.6
			LN	Ms=4.7	26.0 0.67
			LE		26.0 0.67
DL2	43.7	278	eP	04 46 33.0	-0.2
BJI	46.4	283	eP	04 46 55.0	0.6
			PcP	04 48 28.0	-0.2
			eS	04 53 40.0	3.3
TIA	48.2	278	eP	04 47 08.6	-0.1
HHC	48.7	287	P	04 47 15.0	2.6
SSE	49.1	270	eP	04 47 15.0	-0.3
			epP	04 47 29.0	-2.3
			sP	04 47 36.0	-3.1
			ePP	04 49 08.0	-1.5
			eS	04 54 16.0	1.4
			sS	04 54 37.0	-5.3
			LN	Ms=4.3	24.0 0.26
BTO	49.7	288	eP	04 47 21.0	0.3
NJ2	49.9	273	eP	04 47 21.8	0.2
			LZ	Ms=4.5	24.0 0.40

TIY	50.1	283	P	04 47 24.5	1.0
			PMZ		1.0 0.040
			LN	Ms=4.7	12.0 0.14
			LE		12.0 0.27
XAN	54.7	282	P	04 47 56.8	-0.7
GTA	56.5	293	P	04 48 09.5	-1.2
GZH	59.7	269	eP	04 48 33.0	0.4
CD2	60.0	283	eP	04 48 35.0	0.0
GYA	61.4	277	+P	04 48 44.0	-0.4
KMI	64.8	279	+P	04 49 06.5	-0.5

1985 12 28

O = 04 42 25.9 ± 0.07s
 LAT = 57.35 N ± 1.69km
 LONG = 33.54 W ± 0.92km
 DEPTH = 10 km ± 0.03km
 STATIONS USED = 41, STAND DEV = 0.86s

KSH	66.9	52	P	04 53 23.0	1.4
WMQ	67.9	42	-P	04 53 28.0	0.4
GTA	75.9	36	-P	04 54 14.8	-0.8
MDJ	77.4	12	+P	04 54 23.5	-0.4
CN2	77.7	15	-P	04 54 24.0	-1.3
BTO	77.7	28	eP	04 54 26.0	0.4
HHC	77.9	26	P	04 54 27.0	0.6
SNY	79.3	17	eP	04 54 32.0	-2.3
BJI	79.7	23	eP	04 54 36.5	0.3
LZH	80.2	34	P	04 54 39.0	-0.4
TIY	81.1	27	P	04 54 44.0	0.4
TIA	83.6	23	eP	04 54 56.5	0.0
XAN	83.6	31	P	04 54 57.5	0.7
KMI	90.0	39	+P	04 55 28.5	0.2
GYA	90.1	35	P	04 55 29.0	0.7

1985 12 28

O = 05 00 23.9 ± 0.14s
 LAT = 0.36 N ± 1.81km
 LONG = 122.39 E ± 2.16km
 DEPTH = 120 km ± 0.23km
 STATIONS USED = 70, STAND DEV = 1.46s
 m_B = 5.6 / 6

QZN	22.3	327	+P	05 05 12.5	0.5
			cPP	05 05 48.0	3.5
			iS	05 09 08.5	4.1
			LN		13.0 0.40
GZH	24.2	339	-P	05 05 31.0	-0.1
QZH	24.7	352	eP	05 05 34.0	-1.6
			PMZ	m _B =5.5	4.0 0.87
			sP	05 06 12.0	-3.0
			iS	05 09 49.0	2.8
			SMN	m _B =5.7	5.0 0.85

1985 12 28

O = 07 44 36.7 ± 0.04s

LAT = 56.67 N ± 1.16km

LONG = 156.56 W ± 0.65km

DEPTH = 56 km ± 0.36km

STATIONS USED = 56, STAND DEV = 0.69s

MDJ	46.1	288	-P	07 52 57.0	-0.7
CN2	48.8	290	+iP	07 53 18.5	-0.5
SNY	51.2	289	+P	07 53 37.5	0.4
BJI	56.3	293	eP	07 54 14.5	-0.3
HHC	58.0	297	+P	07 54 28.0	1.0
TIA	58.7	289	eP	07 54 31.0	-0.7
BTO	59.0	298	eP	07 54 33.5	-0.1
TIY	60.0	294	eP	07 54 41.8	1.3
NJ2	61.0	285	eP	07 54 47.0	-0.4
WHN	64.6	287	P	07 55 10.0	-1.0
XAN	64.6	294	+P	07 55 11.0	-0.4
GTA	64.8	304	+iP	07 55 11.8	-0.5
LZH	65.5	299	P	07 55 17.0	-0.3
WMQ	66.3	315	-P	07 55 22.8	0.5
CD2	69.7	295	P	07 55 44.0	0.5
GZH	71.1	283	-iP	07 55 52.0	0.4
GYA	71.9	291	+P	07 55 56.8	0.3
KSH	74.5	320	eP	07 56 13.0	1.2

1985 12 28

O = 09 09 16.7 ± 0.12s

LAT = 28.30 N ± 2.58km

LONG = 140.81 E ± 2.48km

DEPTH = 36 km ± 1.16km

STATIONS USED = 27, STAND DEV = 2.11s

M_s = 4.5 / 6, m_B = 5.3 / 9

SSE	17.3	284	+P	09 13 17.0	0.0
			PMZ	m _B = 5.3	6.0 0.90
			S	09 16 24.0	-1.8
			sS	09 16 39.0	0.1
			SS	09 16 48.0	0.6
			LN	M _s = 4.2	10.0 0.44
DL2	19.1	309	eP	09 13 39.0	-0.7
			PMZ	m _B = 5.4	6.0 1.07
			S	09 17 07.0	-0.4
NJ2	19.3	287	+P	09 13 44.0	1.9
			PMZ	m _B = 5.6	5.0 1.60
			sS	09 17 30.5	4.8
			LN	M _s = 4.6	11.0 1.00
CN2	19.8	325	-P	09 13 45.0	-1.9
			PMZ	m _B = 5.2	4.5 0.50
			eS	09 17 18.0	-4.9
			LE	M _s = 4.5	10.0 0.70
QZH	20.1	266	eP	09 13 52.0	1.3

			SMN	m _B = 5.3	6.0 0.46
			SME		6.0 0.54
TIA	21.5	298	eP	09 14 02.8	-1.9
WHN	23.1	282	-P	09 14 23.0	2.0
			PMZ	m _B = 5.7	5.0 1.53
			eS	09 18 32.0	6.0
			SMN	m _B = 5.5	7.0 0.92
			LN	M _s = 4.6	10.0 0.61
BJI	23.4	306	eP	09 14 22.5	-1.2
			PMZ	m _B = 5.2	5.0 0.54
			eS	09 18 38.0	6.9
			SMN	m _B = 5.3	7.0 0.61
			SME		9.0 0.46
			eSS	09 19 23.0	4.7
TIY	25.5	299	P	09 14 44.5	0.7
			PP	09 15 25.0	2.1
			S	09 19 14.0	8.4
			sS	09 19 25.0	3.0
			LN	M _s = 3.9	10.0 0.12
XAN	27.8	290	P	09 15 03.5	-1.6
			eS	09 19 46.0	1.8
BTO	28.1	304	P	09 15 09.0	1.6
			eS	09 19 51.0	2.8
CD2	32.2	284	P	09 15 41.8	-2.5
GTA	35.5	299	eP	09 16 08.5	-4.4
			LN	M _s = 4.5	10.0 0.27

1985 12 28

O = 10 28 44.3 ± 0.10s

LAT = 5.82 S ± 1.50km

LONG = 154.47 E ± 2.74km

DEPTH = 55 km ± 0.94km

STATIONS USED = 69, STAND DEV = 1.02s

M_s = 4.4 / 2,

QZH	46.4	313	+iP	10 37 08.3	0.7
SSE	48.6	321	eP	10 37 24.5	-0.1
			epP	10 37 36.0	-2.1
			esP	10 37 42.0	-1.9
			eS	10 44 20.0	-0.9
			esS	10 44 41.0	-3.2
			LE	M _s = 4.4	22.0 0.29
QZN	50.4	300	P	10 37 39.8	1.0
NJ2	50.7	320	-P	10 37 41.8	1.0
			LZ	M _s = 4.4	23.0 0.30
WHN	52.7	316	+P	10 37 55.5	-0.8
TIA	54.5	323	eP	10 38 08.0	-1.4
MDJ	55.0	338	eP	10 38 11.5	-1.1
SNY	55.2	332	eP	10 38 15.3	1.2
CN2	55.9	335	+P	10 38 18.0	-1.5
GYA	56.3	307	P	10 38 22.5	-0.2

BJI	57.7	326	eP	10 38 30.5	-1.4
TIY	58.3	321	eP	10 38 35.0	-1.9
XAN	58.5	316	+iP	10 38 37.0	-0.9
KMI	58.9	304	+iP	10 38 41.5	0.4
CD2	60.7	310	P	10 38 52.8	0.1
LZH	63.1	315	P	10 39 09.0	-0.4
GTA	67.5	317	+iP	10 39 37.5	-0.2
LSA	70.2	304	+iP	10 39 54.3	-0.1
WMQ	77.6	317	P	10 40 36.5	-0.8
KSH	84.8	310	eP	10 41 15.0	-0.3

1985 12 28

O=11 12 39.2 ± 0.05s
 LAT=57.62 N ± 1.41km
 LONG= 33.37 W ± 0.90km
 DEPTH= 9 km ± 0.12km

STATIONS USED = 14, STAND DEV= 0.92s

GTA	75.7	36	eP	11 24 28.0	0.4
BJI	79.4	23	eP	11 24 48.0	-0.2
TIY	80.8	27	eP	11 24 55.5	-0.1
GYA	89.8	35	P	11 25 40.5	-0.1

1985 12 28

O=13 23 39.8 ± 0.33s
 LAT=20.02 S ± 2.73km
 LONG= 71.04 W ± 5.66km
 DEPTH= 6 km ± 1.89km

STATIONS USED = 29, STAND DEV= 2.09s

KSH	145.7	48	+PKP	13 43 20.0	-0.4
MDJ	150.1	330	+PKP	13 43 31.0	3.6
WMQ	150.4	32	PKP	13 43 27.0	-0.9
CN2	152.6	334	PKP	13 43 33.5	2.4
BJI	159.1	344	ePKP	13 43 39.0	-0.7
HHC	159.1	354	PKP	13 43 41.0	1.1
BTO	159.5	358	ePKP	13 43 40.8	0.5
LSA	161.2	56	ePKP	13 43 42.5	0.1
TIY	162.1	351	ePKP	13 43 43.5	0.6
TIA	162.4	338	ePKP	13 43 42.6	-0.5
XAN	166.0	0	PKP	13 43 45.3	-1.4
CD2	168.2	22	PKP	13 43 48.5	0.4

1985 12 28

O=15 14 57.7 ± 0.14s
 LAT=13.62 S ± 1.32km
 LONG=166.98 E ± 3.14km
 DEPTH= 34 km ± 0.26km

STATIONS USED = 25, STAND DEV= 1.58s

NJ2	64.7	316	e(P)	15 25 29.0	-6.1
MDJ	67.2	332	eP	15 25 51.0	0.1
CN2	68.6	329	+P	15 25 59.5	-0.1

GYA	70.9	304	P	15 26 14.0	0.1
BJI	71.2	321	eP	15 26 16.0	0.1
TIY	72.3	317	eP	15 26 23.0	0.8
XAN	72.7	312	P	15 26 25.0	0.0
CD2	75.1	307	eP	15 26 39.8	0.9

1985 12 28

O=15 41 04.3 ± 0.10s
 LAT=13.24 S ± 1.16km
 LONG=166.63 E ± 2.31km
 DEPTH= 45 km ± 0.33km
 STATIONS USED = 82, STAND DEV= 0.92s
 Ms=5.9 / 23, m_B=6.2 / 14

QZH	60.3	309	-iP	15 51 11.3	0.1
			pP	15 51 24.0	0.9
			S	15 59 24.0	4.6
			SMN	m _B =5.8	10.0 1.27
			SME		10.0 0.69
			SS	16 03 27.5	9.3
			LN	Ms=5.5	17.0 1.71
			LE		17.0 1.20
SSE	62.0	316	+P	15 51 22.5	-0.4
			PMZ	m _B =6.4	8.0 4.14
			pP	15 51 33.0	-1.9
			sP	15 51 37.0	-2.8
			PP	15 53 42.0	1.1
			S	15 59 42.0	0.6
			sS	16 00 01.0	-1.9
			ScS	16 01 08.0	1.9
			SS	16 03 48.0	2.0
			LN	Ms=5.9	17.0 1.74
			LE		18.0 3.81
GZH	63.4	304	eP	15 51 30.5	-1.8
			S	16 00 07.0	8.0
			SMN	m _B =6.1	11.0 2.02
			SME		9.0 1.07
			LN	Ms=5.8	16.0 1.74
			LE		18.0 3.51
NJ2	64.2	316	+P	15 51 37.0	-0.2
			S	16 00 15.0	6.6
			SMN	m _B =5.9	11.0 1.90
			LN	Ms=6.0	18.0 6.10
QZN	64.5	299	eP	15 51 39.8	0.6
			pP	15 51 51.5	0.3
			sP	15 51 56.5	0.4
			S	16 00 22.0	10.0
			SMN		14.0 3.30
			SME		14.5 1.70
			sS	16 00 39.5	5.8
			SS	16 04 33.0	8.8

			LN	$M_s=5.7$	17.0	1.50	XAN	72.2	313	+P	15 52 27.0	-0.4		
			LE		17.0	2.20				PMZ	$m_B=6.1$	9.0	2.11	
WHN	66.5	312	+P	15 51 52.0	0.0					PcP	15 52 46.5	2.0		
			PMZ	$m_B=6.3$	5.0	2.00				PP	15 55 06.5	-2.2		
			iPP	15 54 21.0	1.2					S	16 01 52.5	8.3		
			S	16 00 40.0	3.4					SMN		14.0	2.34	
			SMN	$m_B=5.8$	12.0	1.43				SME		13.0	1.14	
			LN	$M_s=6.1$	18.0	6.10				ScS	16 02 30.0	5.0		
MDJ	66.7	332	+iP	15 51 53.0	-0.3					eSS	16 06 32.0	7.7		
			S	16 00 46.0	7.2					LN	$M_s=5.9$	17.0	3.34	
			LE	$M_s=6.0$	20.0	5.53				LE		16.0	1.88	
DL2	66.7	323	eP	15 51 53.0	-0.6		KMI	73.0	302	+P	15 52 33.0	0.9		
			S	16 00 43.0	3.4					sP	15 52 46.0	-2.8		
			LN	$M_s=6.0$	17.0	4.35				S	16 02 02.0	9.0		
			LE		17.0	2.13				LN	$M_s=5.9$	20.0	3.72	
SNY	67.6	327	+iP	15 51 58.0	-1.2		HHC	74.1	320	-iP	15 52 39.0	0.8		
			sP	15 52 16.5	0.3					PP	15 55 25.0	0.8		
			PP	15 54 27.0	-2.4					S	16 02 07.0	2.2		
			eS	16 00 52.0	0.5					SME	$m_B=6.3$	8.0	2.26	
			SMN		16.0	2.70				LN	$M_s=6.1$	17.0	3.53	
			SS	16 05 15.0	2.0					LE		17.0	3.69	
			LN	$M_s=5.9$	18.0	3.20	CD2	74.6	307	eP	15 52 42.0	0.6		
			LE		20.0	3.37				PP	15 55 32.0	2.6		
TIA	67.8	318	eP	15 51 59.4	-1.0					iS	16 02 16.0	3.3		
			eS	16 00 54.0	0.1					SS	16 07 06.0	5.2		
CN2	68.1	329	+iP	15 52 01.5	-0.4					LE	$M_s=6.1$	22.0	6.70	
			PMZ	$m_B=6.2$	6.0	2.00				LZ	$M_s=5.9$	20.0	3.90	
			eS	16 00 54.0	-2.7		BTO	74.9	319	+iP	15 52 43.5	0.4		
			SMN	$m_B=5.9$	8.0	0.80				PP	15 55 30.0	-1.9		
			SME		8.0	0.90				S	16 02 15.5	1.3		
			SS	16 05 15.0	-4.6					SMN		13.0	1.20	
			LZ	$M_s=6.1$	21.0	7.40				SME		10.0	0.70	
GYA	70.4	305	P	15 52 16.5	0.3					eSKS	16 02 47.0	5.4		
			sP	15 52 36.0	2.9					LN	$M_s=5.9$	19.0	2.90	
			S	16 01 30.0	7.4					LE		19.0	2.90	
			SS	16 06 03.0	7.6					LZ	$M_s=6.0$	19.0	5.10	
			LN	$M_s=5.9$	19.0	2.70	LZH	76.9	312	+iP	15 52 54.5	0.2		
			LE		19.0	2.80				eS	16 02 42.0	4.3		
BJI	70.7	321	eP	15 52 18.0	-0.3		GTA	81.2	314	+iP	15 53 18.0	0.2		
			PMZ	$m_B=6.2$	4.0	1.33				PMZ	$m_B=6.4$	4.5	2.00	
			ePP	15 54 55.0	-1.3					S	16 03 22.5	1.0		
			eS	16 01 32.0	3.9					SME	$m_B=6.2$	11.0	1.98	
			SMN		14.0	1.37				LE	$M_s=6.0$	20.0	3.96	
			LN	$M_s=6.1$	20.0	4.46	LSA	84.3	302	P	15 53 34.0	0.2		
			LE		20.0	5.02				PMZ	$m_B=6.1$	4.5	1.02	
TIY	71.8	317	+iP	15 52 24.8	0.3					S	16 03 58.0	5.7		
			PMZ		1.5	0.23	WMQ	91.3	315	-iP	15 54 07.0	-0.1		
			S	16 01 48.0	9.3					PMZ		1.7	0.37	
			LN	$M_s=5.8$	17.0	2.55				PP	15 57 46.5	1.8		
			LE		17.0	1.21				SKS	16 04 37.0	4.8		

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	S	16 04 56.0	-2.0		
	SS	16 11 05.0	-2.0		
	LN	Ms=6.1	22.0	3.05	
	LE		22.0	4.04	
KSH	98.8	308	eP	15 54 42.0	0.5
			PP	15 58 44.0	0.0
			SKS	16 05 20.0	6.9
			eS	16 06 07.0	2.5
			LZ	Ms=5.8	22.0 2.40

1985 12 28

O=17 24 07.7 ± 0.06s
 LAT=14.26 S ± 0.80km
 LONG=166.65 E ± 1.84km
 DEPTH= 36 km ± 0.26km
 STATIONS USED = 31, STAND DEV= 0.87s

NJ2	64.9	316	eP	17 34 46.3	-0.1
CN2	68.9	329	+P	17 35 11.0	-0.8
BJI	71.5	321	eP	17 35 27.0	-0.5
TIY	72.5	318	P	17 35 34.0	0.5
XAN	72.9	313	eP	17 35 34.8	-1.2
CD2	75.2	308	eP	17 35 49.8	0.3
LZH	77.6	312	P	17 36 03.0	0.3
GTA	81.9	314	+P	17 36 26.3	0.2
WMQ	92.0	315	P	17 37 14.8	-0.2

1985 12 28

O=19 00 59.8 ± 0.09s
 LAT=37.28 N ± 2.51km
 LONG=116.46 W ± 1.53km
 DEPTH= 4 km ± 0.27km
 STATIONS USED = 32, STAND DEV= 1.84s

CN2	81.7	320	-P	19 13 20.8	-1.0
SNY	84.1	319	-P	19 13 34.3	0.3
BJI	89.2	322	eP	19 13 58.0	-0.8
HHC	90.7	326	eP	19 14 06.0	0.0
BTO	91.6	326	eP	19 14 10.5	0.4
TIY	92.8	323	eP	19 14 16.0	0.3
SSE	93.2	313	eP	19 14 17.5	-0.1
NJ2	93.8	316	eP	19 14 20.0	-0.4
GTA	96.7	333	P	19 14 33.0	-0.8
KSH	102.8	350	eP	19 15 00.3	-0.9

1985 12 28

O=19 30 37.3 ± 0.05s
 LAT= 5.93 S ± 0.66km
 LONG=130.57 E ± 1.52km
 DEPTH=102 km ± 0.22km
 STATIONS USED = 32, STAND DEV= 0.87s

SSE	37.9	347	eP	19 37 47.0	0.6
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NJ2	39.4	344	iP	19 38 00.0	1.2
WHN	39.5	338	eP	19 38 00.0	0.6
GYA	39.7	325	P	19 38 01.8	0.5
CD2	44.7	327	eP	19 38 42.0	-0.4
XAN	44.7	334	P	19 38 41.5	-0.9
TIY	46.6	340	P	19 38 57.4	0.1
BJI	47.6	345	eP	19 39 05.0	-0.3
CN2	49.7	355	+P	19 39 20.3	-1.1
GTA	53.3	330	+iP	19 39 48.0	-0.8
WMQ	62.8	326	P	19 40 54.5	-0.6

1985 12 28

O=23 10 50.5 ± 0.14s
 LAT= 5.98 S ± 2.15km
 LONG=104.11 E ± 2.77km
 DEPTH= 21 km ± 0.13km
 STATIONS USED = 83, STAND DEV= 1.67s

Ms=6.4/24, m_B=6.1/9

QZN	25.5	15	eP	23 16 21.8	2.5
			sP	23 16 31.0	1.3
			S	23 20 47.5	5.2
			SS	23 21 53.0	8.0
			ScP	23 23 27.0	-0.6
			PcS	23 23 33.0	2.9
			LN	Ms=6.3	17.0 40.5
			LE		19.0 38.5
KMI	30.9	358	eP	23 17 11.5	2.6
			PP	23 18 15.0	5.1
			S	23 22 12.0	1.9
			LE	Ms=6.8	18.0 112
GYA	32.3	4	P	23 17 21.5	0.4
			pP	23 17 26.0	-2.1
			S	23 22 36.0	4.0
			LN	Ms=6.2	14.0 18.4
			LE		14.0 12.9
QZH	33.8	24	eP	23 17 33.0	-0.7
			pP	23 17 41.0	0.0
			PP	23 18 48.0	1.6
			S	23 22 57.0	2.1
			SMN	m _B =5.3	9.0 0.51
CD2	36.7	359	eP	23 17 57.5	-0.8
			PP	23 19 29.3	6.5
			iS	23 23 43.3	3.1
			sS	23 23 50.0	-2.1
			LE	Ms=6.8	20.0 99.4
			LZ	Ms=6.5	16.0 41.2
LSA	37.6	341	P	23 18 05.3	-1.1
			pP	23 18 13.0	-0.2
			S	23 23 46.0	-7.2
			sS	23 24 06.3	0.1

December, 1985

LAT=39.41 N ± 0.35km								eS	06 52 59.0	1.5			
LONG=75.00 E ± 0.11km								sS	06 53 16.0	6.5			
DEPTH=24 km ± 0.40km								LE	Ms=5.4	15.0	2.49		
STATIONS USED = 5, STAND DEV = 3.82s								NJ2	40.4 20	eP	06 46 52.5	1.7	
M _L =3.9/3,								S	06 52 58.0	1.1			
KSH	0.8	86	+Pg	06 18 55.8	-3.1			LN	Ms=5.6	13.0	3.30		
			Sg	06 19 06.5	-3.1			LZH	41.9 360	cP	06 47 06.2	2.9	
			SMN	M _L =3.9	0.5	4.82		TIA	43.7 15	cP	06 47 17.5	-0.9	
			SME		0.5	3.81		PcP	06 49 09.0	4.1			
WMQ	10.5	61	eP	06 21 16.0	-1.0			eS	06 53 48.3	0.9			
1985 12 29								LN	Ms=5.3	14.0	0.49		
O=06 39 12.2 ± 0.14s								LE		14.0	1.77		
LAT=5.99 S ± 2.27km								TIY	44.2 10	cP	06 47 22.5	0.5	
LONG=104.08 E ± 3.34km								LN	Ms=5.5	16.0	1.79		
DEPTH=21 km ± 0.14km								LE		13.0	2.11		
STATIONS USED = 67, STAND DEV = 1.99s								GTA	45.3 355	P	06 47 32.0	0.5	
Ms=5.5/19, m _B =5.2/1								PcP	06 49 13.0	2.5			
QZN	25.5	13	eP	06 44 42.5	1.2			eS	06 54 16.5	5.5			
			LN	Ms=5.5	12.0	2.30		LE	Ms=5.7	16.0	4.88		
			LE		13.0	5.10		BTO	46.7 6	P	06 47 45.0	3.0	
KMI	31.0	358	eP	06 45 36.0	5.1			pP	06 47 52.0	2.9			
			S	06 50 35.0	2.8			eS	06 54 33.5	3.5			
			LE	Ms=5.7	14.0	8.00		LN	Ms=5.7	17.0	3.60		
GYA	32.4	4	P	06 45 44.8	1.7			LE		17.0	2.80		
			pP	06 45 51.0	1.0			LZ	Ms=5.6	17.0	3.50		
			PP	06 46 55.0	4.9			HHC	47.1 8	-P	06 47 47.5	2.0	
			S	06 51 02.0	7.9			eS	06 54 40.0	3.8			
CD2	36.7	360	eP	06 46 18.8	-1.4			LN	Ms=5.8	14.0	1.40		
			PP	06 47 50.8	6.0			LE		14.0	4.34		
			eS	06 52 00.0	-2.3			BJI	47.1 13	eP	06 47 44.0	-1.5	
			LE	Ms=5.8	20.0	10.6		PcP	06 49 20.5	3.7			
			LZ	Ms=5.7	16.0	6.70		S	06 54 37.0	1.7			
LSA	37.6	341	eP	06 46 29.5	1.3			SMN	m _B =5.2	8.0	0.28		
			eS	06 52 14.3	-2.6			LN	Ms=5.5	17.0	1.52		
WHN	37.6	15	eP	06 46 28.0	-0.1			LE		16.0	1.98		
			pP	06 46 37.0	1.7			SNY	50.8 19	eP	06 48 13.5	-0.4	
			PP	06 48 05.0	8.7			eS	06 55 24.0	-3.7			
			LN	Ms=5.5	14.0	1.55		LN	Ms=5.5	17.0	1.76		
			LE		14.0	2.89		LE		16.0	1.46		
XAN	40.1	6	P	06 46 47.0	-1.5			WMQ	51.7 345	eP	06 48 19.8	-1.3	
			pP	06 46 54.3	-1.3			PcP	06 49 34.5	1.0			
			PP	06 48 21.8	-2.6			S	06 55 39.5	0.0			
			S	06 52 55.0	2.5			ScS	06 58 07.5	1.5			
			sS	06 53 12.0	6.6			SS	06 59 11.5	-2.2			
			LN	Ms=5.7	15.0	1.50		LE	Ms=5.3	18.0	1.60		
			LE		17.0	6.12		KSH	52.1 332	eP	06 48 25.0	0.9	
SSE	40.3	23	eP	06 46 52.5	1.9			eS	06 55 47.0	0.6			
			epP	06 46 58.3	0.5			LN	Ms=5.4	11.0	1.16		
			ePP	06 48 30.0	2.8			CN2	53.2 19	-P	06 48 31.0	-0.8	
								PMZ		3.0	0.40		

CN2	50.1	290	-iP	12 49 52.5	-0.2			
			pP	12 50 08.0	-0.8			
			eS	12 56 58.0	-0.2			
			LZ			Ms=4.7	28.0	0.70
SNY	52.5	290	eP	12 50 11.0	0.2			
BJI	57.2	294	eP	12 50 44.5	-0.7			
			pP	12 51 01.0	-0.7			
HHC	58.5	298	P	12 50 54.5	0.0			
BTO	59.4	299	eP	12 51 00.0	-0.4			
TIY	60.8	296	eP	12 51 10.3	0.4			
			pP	12 51 25.8	-0.7			
NJ2	62.7	287	-P	12 51 22.3	-0.1			
			pP	12 51 39.0	-0.2			
			LZ			Ms=5.0	20.0	0.60
GTA	64.5	306	+P	12 51 35.0	0.2			
			pP	12 51 51.5	0.1			
			S	13 00 09.8	3.4			
			LE			Ms=5.1	9.0	0.37
WMQ	65.0	317	eP	12 51 38.3	0.6			
			pP	12 51 54.5	0.1			
			S	13 00 12.0	0.1			
			SMN				2.0	0.020
			ScS	13 01 26.0	4.2			
XAN	65.4	296	eP	12 51 39.3	-1.1			
LZH	65.8	301	+iP	12 51 42.7	-0.2			
			pP	12 51 59.4	-0.2			
WHN	66.0	290	+P	12 51 43.5	-0.5			
			pP	12 52 00.5	-0.4			
CD2	70.3	299	eP	12 52 11.3	0.4			
GYA	72.9	294	-P	12 52 27.5	0.9			
			pP	12 52 43.5	0.0			
LSA	76.4	308	iP	12 52 48.0	0.9			
QZN	78.0	288	eP	12 52 56.5	1.3			

1985 12 30

O = 20 13 19.6 ± 0.07s
 LAT = 63.68 N ± 1.29km
 LONG = 151.31 W ± 0.75km
 DEPTH = 33 km ± 0.15km
 STATIONS USED = 44, STAND DEV = 0.96s

Ms = 4.9 / 1,

CN2	49.1	288	-iP	20 22 05.8	-0.2			
SNY	51.5	288	+iP	20 22 24.0	-0.3			
DL2	54.7	287	eP	20 22 47.5	-1.0			
BJI	56.0	292	eP	20 22 58.0	-0.1			
HHC	57.2	296	P	20 23 06.8	0.0			
BTO	58.1	297	eP	20 23 12.0	-0.6			
TIY	59.6	294	eP	20 23 23.3	0.3			
			LE			Ms=4.9	14.0	0.36
NJ2	61.7	285	+P	20 23 37.0	-0.6			

GTA	63.0	305	+iP	20 23 46.5	0.3			
WMQ	63.2	316	P	20 23 42.8	-4.6			
XAN	64.2	295	P	20 23 52.8	-1.0			
LZH	64.4	300	P	20 23 55.8	0.4			
WHN	64.9	288	+P	20 23 58.8	0.0			
CD2	69.0	297	eP	20 24 24.5	0.1			
GYA	71.7	293	P	20 24 41.5	0.3			

1985 12 30

O = 20 37 30.0 ± 0.08s
 LAT = 5.54 S ± 1.72km
 LONG = 104.08 E ± 1.84km
 DEPTH = 32 km ± 0.22km
 STATIONS USED = 19, STAND DEV = 1.51s

CD2	36.2	360	P	20 44 29.3	-3.3			
XAN	39.6	6	eP	20 45 00.8	-0.1			
GTA	44.9	355	P	20 45 44.5	0.4			
WMQ	51.3	345	eP	20 46 33.3	-0.6			

1985 12 31

O = 02 05 01.4 ± 0.05s
 LAT = 59.81 N ± 0.81km
 LONG = 152.56 W ± 0.63km
 DEPTH = 44 km ± 0.27km
 STATIONS USED = 13, STAND DEV = 1.33s

CN2	49.8	290	-iP	02 13 52.3	0.3			
GTA	64.7	305	-P	02 15 38.3	0.1			
XAN	65.3	295	eP	02 15 40.0	-1.5			

1985 12 31

O = 06 57 16.5 ± 0.09s
 LAT = 73.36 N ± 1.09km
 LONG = 6.84 E ± 1.47km
 DEPTH = 9 km ± 0.11km
 STATIONS USED = 27, STAND DEV = 1.16s

Ms = 4.9 / 2,

WMQ	46.1	83	P	07 05 43.3	0.2			
KSH	46.7	96	eP	07 05 50.0	1.7			
GTA	53.6	74	P	07 06 42.3	1.6			
			LE			Ms=4.8	12.5	0.35
CN2	55.9	50	eP	07 06 56.0	-1.6			
BJI	57.3	59	eP	07 07 08.0	0.5			
LZH	57.8	72	eP	07 07 12.0	0.8			
TIY	58.5	64	eP	07 07 15.8	-0.6			
			eS	07 15 16.0	-3.0			
			LE			Ms=5.1	15.0	0.65
XAN	61.1	68	eP	07 07 31.8	-2.1			
			eS	07 15 50.0	-1.7			
CD2	62.6	74	eP	07 07 43.0	-1.3			
GYA	67.7	73	P	07 08 18.0	1.2			

1985 12 31
O = 09 38 57.6 ± 0.18s
LAT = 5.80 S ± 2.53km
LONG = 104.27 E ± 3.25km
DEPTH = 59 km ± 0.15km
STATIONS USED = 48, STAND DEV = 2.37s
Ms = 5.1 / 11,

QZN	25.3	12	cP	09 44 21.5	1.2		
			PP	09 45 04.0	4.6		
			cS	09 48 43.5	4.4		
			LN	Ms = 5.0	13.0	1.60	
			LE		14.0	1.20	
GYA	32.1	4	cP	09 45 22.0	-0.3		
CD2	36.5	359	cP	09 45 58.3	-1.3		
			LE	Ms = 5.1	14.0	1.35	
WHN	37.4	14	cP	09 46 06.5	-0.5		
			LN	Ms = 5.1	14.0	1.24	
XAN	39.9	6	cP	09 46 26.5	-1.1		
			cS	09 52 25.0	-2.5		
			LE	Ms = 5.0	15.0	0.95	
NJ2	40.1	19	+P	09 46 33.0	3.3		
			PcS	09 52 23.5	1.5		
			LZ	Ms = 4.8	14.0	0.60	
LZH	41.7	359	cP	09 46 43.0	0.4		
TIY	43.9	9	cP	09 47 02.5	1.4		
			LN	Ms = 5.0	13.0	0.49	
			LE		12.0	0.62	
GTA	45.2	355	P	09 47 10.3	-0.7		
			LE	Ms = 5.0	20.0	1.07	
BTO	46.5	6	cP	09 47 26.0	4.8		
			cS	09 54 12.0	8.0		
			LN	Ms = 5.1	16.0	1.00	
			LE		16.0	0.50	
			LZ	Ms = 5.1	16.0	1.10	
HHC	46.9	8	cP	09 47 25.0	0.4		
BJI	46.9	13	cP	09 47 24.0	-0.6		
			PcS	09 52 50.0	0.5		
			LN	Ms = 5.2	15.0	1.19	
WMQ	51.6	345	P	09 48 00.3	-0.5		
			cS	09 55 18.0	2.3		
			SS	09 58 53.0	4.3		
KSH	52.1	332	cP	09 48 02.0	-2.3		
			cS	09 55 24.0	2.0		
CN2	52.9	19	cP	09 48 09.0	-1.8		
			cS	09 55 30.0	-3.9		
			LZ	Ms = 5.2	11.0	0.80	

1985 12 31
O = 11 51 07.1 ± 0.05s

LAT = 27.83 N ± 1.43km
LONG = 54.45 E ± 0.71km
DEPTH = 60 km ± 0.15km
STATIONS USED = 32, STAND DEV = 0.68s

GTA	39.1	61	P	11 58 31.5	0.5		
LZH	42.3	66	cP	11 58 58.5	1.0		
CD2	42.8	74	P	11 59 01.0	-0.2		
XAN	46.7	68	cP	11 59 31.5	-0.7		
BTO	47.0	59	cP	11 59 33.3	-1.3		
HHC	48.1	59	P	11 59 44.8	1.1		
TIY	49.1	63	P	11 59 51.0	0.2		
			S	12 06 49.5	1.0		
BJI	51.7	59	cP	12 00 11.0	0.1		
TIA	53.0	64	+P	12 00 20.2	-0.3		
NJ2	55.2	69	-P	12 00 36.5	-0.4		
CN2	58.1	54	cP	12 00 55.5	-1.5		

1985 12 31
O = 14 04 44.8 ± 0.17s
LAT = 17.07 S ± 3.54km
LONG = 173.42 W ± 3.60km
DEPTH = 25 km ± 0.41km
STATIONS USED = 52, STAND DEV = 2.06s
Ms = 5.2 / 1, m_B = 5.8 / 4

MDJ	80.3	323	cP	14 17 02.0	5.8		
NJ2	81.2	307	cP	14 17 01.0	0.5		
CN2	82.3	320	cP	14 17 06.0	-0.8		
			cS	14 27 14.0	-6.3		
			LZ	Ms = 5.2	26.0	0.80	
SNY	82.5	318	cP	14 17 07.8	0.3		
			S	14 27 17.0	-3.1		
			SMN	m _B = 5.9	10.0	0.90	
			SME		10.0	0.38	
TIA	84.3	310	-P	14 17 16.8	0.2		
BJI	86.6	314	cP	14 17 28.0	-0.1		
			cpP	14 17 34.5	-1.7		
			eSKS	14 27 49.5	0.4		
			cS	14 28 01.0	-1.3		
			SMN	m _B = 5.6	10.0	0.63	
TIY	88.3	310	P	14 17 37.0	0.6		
			SKS	14 28 04.0	4.0		
			S	14 28 22.0	5.3		
			SMN	m _B = 5.5	11.0	0.38	
			SME		9.0	0.35	
GYA	88.8	298	P	14 17 39.5	0.6		
XAN	89.6	306	P	14 17 42.8	0.3		
			SKS	14 28 08.0	0.1		
			cS	14 28 29.0	-1.4		
HHC	90.1	313	+P	14 17 46.0	0.8		
BTO	91.1	312	cP	14 17 50.0	0.2		

	ePP	14 21 24.0	-2.9		
	SKS	14 28 20.0	2.9		
	S	14 28 40.0	-2.4		
	SMN	$m_b = 5.9$	8.0	0.80	
	SME		8.0	0.40	
CD2	92.7 301 eP	14 17 57.8	1.1		
LZH	94.2 306 eP	14 18 06.5	2.6		

MDJ	39.0 4 +P	23 03 49.8	0.7		
GTA	41.3 328 -P	23 04 07.8	-0.6		
WMQ	51.0 324 eP	23 05 23.3	-1.4		

1985 12 31

O = 14 24 41.6 ± 0.07s

LAT = 13.68 N ± 1.05km

LONG = 121.15 E ± 1.66km

DEPTH = 33 km ± 0.30km

STATIONS USED = 22, STAND DEV = 1.37s

Ms = 4.3 / 1,

CD2	23.5 320 eP	14 29 49.3	0.0		
LZH	27.2 328 eP	14 30 24.5	-0.2		
GTA	31.8 328 +iP	14 31 05.0	-0.7		
	LZ	Ms = 4.3	32.0	0.70	
WMQ	41.5 323 P	14 32 27.5	-0.2		

1985 12 31

O = 19 42 40.2 ± 0.15s

LAT = 29.12 N ± 3.02km

LONG = 34.56 E ± 2.72km

DEPTH = 7 km ± 0.21km

STATIONS USED = 13, STAND DEV = 3.08s

WMQ	44.4 56 P	19 50 52.8	-1.4		
GTA	53.9 61 P	19 52 04.1	-2.7		
BTO	61.2 57 eP	19 53 03.3	4.3		
XAN	62.3 65 eP	19 53 09.0	3.2		
HHC	62.3 57 +iP	19 53 11.0	4.8		

1985 12 31

O = 22 56 33.2 ± 0.05s

LAT = 5.59 N ± 0.72km

LONG = 126.30 E ± 1.19km

DEPTH = 125 km ± 0.04km

STATIONS USED = 32, STAND DEV = 0.78s

SSE	25.8 350 eP	23 01 55.5	0.7		
NJ2	27.2 346 eP	23 02 08.0	0.3		
WHN	27.2 337 eP	23 02 09.0	1.1		
XAN	32.6 333 -P	23 02 53.5	-1.6		
CD2	32.9 323 eP	23 02 57.5	-0.5		
TIY	34.4 340 +P	23 03 10.3	-0.3		
BJI	35.5 347 eP	23 03 19.3	-0.6		
SNY	36.2 357 eP	23 03 26.3	0.7		
LZH	36.7 329 eP	23 03 31.0	0.7		
HHC	37.5 342 -iP	23 03 37.5	0.4		
BTO	37.8 340 eP	23 03 40.0	0.6		