



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 5 1 O=00 05 59.0 \pm 0.03s LAT=25.75 N \pm 0.29km LONG=102.85 E \pm 0.25km DEPTH= 5 km \pm 0.08km STATIONS USED = 6, STAND DEV= 1.64s $M_L=2.9/ 7,$								1985 5 1 O=05 32 33.9 \pm 0.08s LAT=53.03 N \pm 1.29km LONG=157.82 E \pm 0.77km DEPTH=148 km \pm 0.37km STATIONS USED = 34, STAND DEV= 0.92s							
KMI	0.6	189	-iPg	00 06 10.5	0.0			TIY	58.2	291	eP	01 08 58.0	-0.1		
			Sg	00 06 20.5	1.5						LN		$M_s=5.0$	16.0	0.40
			SMN		$M_L=3.9$	1.0	4.00				LE			16.0	0.51
			SME			1.0	5.80	NJ2	58.8	282	eP	01 09 00.0	-1.9		
GYA	3.5	78	ePn	00 06 54.8	0.3						LZ		$M_s=4.7$	20.0	0.40
			Pg	00 07 07.2	6.4			WHN	62.5	285	eP	01 09 26.0	-1.0		
			Sg	00 07 54.0	5.3			XAN	62.8	291	+P	01 09 29.6	0.0		
			SMN		$M_L=2.7$	1.0	0.020	GTA	63.5	301	P	01 09 33.7	-0.6		
			SME			1.0	0.020				LE		$M_s=5.1$	15.0	0.62
CD2	5.2	9	Pn	00 07 19.6	1.8			WMQ	65.8	312	+iP	01 09 49.0	0.4		
			Pg	00 07 39.6	8.8			CD2	68.0	293	P	01 10 03.9	0.9		
			Sg	00 08 45.6	3.7			GYA	69.9	287	-P	01 10 14.0	-0.6		
			SMN		$M_L=3.3$	1.0	0.030				pP	01 10 22.0	-2.1		
			SME			0.9	0.030	KMI	73.1	290	eP	01 10 34.5	0.4		
1985 5 1 O=00 59 04.1 \pm 0.05s LAT=54.48 N \pm 1.57km LONG=161.55 W \pm 0.71km DEPTH= 33 km \pm 0.20km STATIONS USED = 58, STAND DEV= 0.91s $M_s=5.0/ 6,$ $m_B=5.5/ 1$								1985 5 1 O=08 16 52.8 \pm 0.02s LAT=25.77 N \pm 0.23km LONG=102.85 E \pm 0.20km DEPTH= 7 km \pm 0.06km STATIONS USED = 6, STAND DEV= 1.85s $M_L=3.0/ 7,$							
CN2	46.9	288	eP	01 07 33.0	-0.5			KMI	0.7	189	-Pg	08 17 04.5	-0.2		
			PMZ		$m_B=5.5$	4.0	0.30				Sg	08 17 15.0	1.6		
			LE		$M_s=4.7$	18.0	0.50				SMN		$M_L=3.9$	1.0	3.20
SNY	49.2	288	eP	01 07 51.8	0.2						SME			1.0	5.70
			eS	01 14 54.0	-0.3										
			LN		$M_s=4.9$	21.0	0.67								
			LE			21.0	0.61								
DL2	52.3	286	eP	01 08 14.6	-0.4										
BJI	54.5	291	eP	01 08 31.0	-0.5										
HHC	56.4	295	eP	01 08 45.0	-0.4										
TIA	56.7	287	+P	01 08 47.0	-0.5										
BTO	57.4	295	P	01 08 53.0	0.5										
			eS	01 16 44.0	-1.9										
			LN		$M_s=5.0$	13.0	0.30								
			LE			13.0	0.40								
SSE	58.2	280	P	01 08 57.5	0.0										
			PMZ			1.5	0.14								

May, 1985

GYA	3.5	78	ePn	08 17 48.6	0.5		
			Pg	08 18 01.6	7.1		
			Sg	08 18 48.2	5.8		
			SMN	$M_L=2.7$	1.0	0.020	
			SME		1.0	0.020	
CD2	5.2	9	Pn	08 18 13.4	2.2		
			Sg	08 19 38.6	3.4		
			SMN	$M_L=3.3$	1.2	0.030	
			SME		1.0	0.040	

KMI	0.6	178	-Pg	09 23 25.0	0.6		
			Sg	09 23 35.0	2.3		
			SMN	$M_L=4.1$	1.0	6.50	
			SME		1.0	7.70	
GYA	3.6	78	cPn	09 24 10.0	-0.2		
			Pg	09 24 21.0	4.3		
			Sg	09 25 08.0	2.0		
			SMN	$M_L=3.7$	1.0	0.20	
			SME		1.0	0.20	
CD2	5.2	10	cPn	09 24 35.4	3.1		

1985 5 1
 O=08 59 06.7 ± 0.07s
 LAT=25.80 N ± 0.71km
 LONG=102.93 E ± 0.60km
 DEPTH= 8 km ± 0.18km
 STATIONS USED = 22, STAND DEV = 2.19s
 $M_s=4.0/4$, $M_L=4.1/12$,

1985 5 1
 O=13 27 56.7 ± 0.47s
 LAT= 9.21 S ± 3.71km
 LONG= 71.22 W ± 1.57km
 DEPTH=615 km ± 5.24km
 STATIONS USED = 100, STAND DEV = 2.97s
 $m_B=6.3/7$

KMI	0.7	194	-Pg	08 59 18.0	-1.3		
			Sg	08 59 28.0	-0.6		
			SMN	$M_L=4.8$	1.0	20.5	
			SME		1.0	44.7	

KSH	138.0	39	cPKP	13 46 11.0	-3.1		
			sPKP	13 49 21.0			
MDJ	140.4	337	PKP	13 46 20.5	2.2		
			iPP	13 49 25.0	-2.4		
			PKS	13 49 55.0			
			SKKS	14 06 58.5			
WMQ	140.9	24	-iPKP	13 46 13.5	-5.8		
			PP	13 49 29.0	-1.6		
			PKS	13 49 56.0			
			SKKS	13 55 02.5			

GYA	3.4	78	-Pn	09 00 02.4	1.5		
			Pg	09 00 14.0	6.8		
			Sg	09 01 00.6	6.6		
			SMN	$M_L=4.1$	1.0	0.60	
			SME		1.0	0.60	
			LN	$M_s=4.0$	4.0	1.20	
			LE		4.0	1.30	

WMQ	140.9	24	-iPKP	13 46 13.5	-5.8		
			PP	13 49 29.0	-1.6		
			PKS	13 49 56.0			
			SKKS	13 55 02.5			
CN2	142.6	340	-iPKP	13 46 18.4	-3.7		
			sPKP	13 49 34.0			
			PKS	13 49 54.0			
			SKKS	13 55 27.0			

CD2	5.1	8	Pn	09 00 26.4	2.0		
			Pg	09 00 45.9	8.3		
			Sg	09 01 57.8	9.9		
			SMN	$M_L=3.9$	1.2	0.20	
			SME		1.0	0.10	
			LE	$M_s=4.3$	8.0	3.10	

CN2	142.6	340	-iPKP	13 46 18.4	-3.7		
			sPKP	13 49 34.0			
			PKS	13 49 54.0			
			SKKS	13 55 27.0			
SNY	145.0	341	-iPKP	13 46 27.0	0.8		
			pPKP	13 48 39.0	-6.5		
			PP	13 49 49.0	-5.4		
			pPP	13 51 48.0			
			SKKS	13 55 40.0			

QZN	9.3	135	eP	09 01 22.8	-1.3		
			eS	09 03 11.0	1.1		
XAN	9.7	31	eP	09 01 27.6	-2.5		
			LG ₂	09 04 22.0	-5.4		
			LN	$M_s=3.9$	12.0	0.77	

DL2	148.3	341	-iPKP	13 46 32.2	0.6		
			pPKP	13 48 49.0	-3.2		
			esPKP	13 49 50.0			
			PKS	13 50 09.0			
			SKKS	13 55 58.0			

WHN	11.1	62	eP	09 01 50.0	0.5		
			eS	09 04 00.0	4.8		
			LN	$M_s=3.9$	7.0	0.30	

HHC	148.4	356	-iPKP	13 46 33.8	1.8		
			pPKP	13 48 52.5	0.1		
			PKS	13 50 09.5			
			SKKS	13 56 01.5			

1985 5 1
 O=09 23 13.1 ± 0.06s
 LAT=25.75 N ± 0.54km
 LONG=102.74 E ± 0.54km
 DEPTH= 4 km ± 0.11km
 STATIONS USED = 6, STAND DEV = 2.53s
 $M_L=3.6/6$,

BJI	148.6	349	-PKP	13 46 33.0	0.9		
			epPKP	13 48 51.0	-1.8		
			ePP	13 50 08.0	-7.0		
			PPMZ	$m_B=6.1$	8.0	1.56	

		eS	03 16 44.0	-9.2		
		SMN			1.2	0.23
		LG ₁	03 17 46.2	-3.4		
GYA	11.9	205	P	03 15 26.4	-0.1	
		S	03 17 44.4	5.7		
		SMN			1.6	0.11
		SME			1.6	0.12
		LN	Ms=4.5		6.0	0.90
WMQ	19.7	297	P	03 17 06.5	0.6	
		eS	03 20 41.5	-0.1		
		LG ₁	03 22 53.2	-1.5		
		LN			2.0	0.10
1985 5 2						
O=08 55 14.5		± 0.08s				
LAT=49.02 N		± 1.97km				
LONG=156.20 E		± 1.36km				
DEPTH= 41 km		± 0.16km				
STATIONS USED = 98,		STAND DEV = 1.30s				
Ms=6.7 / 27,		m _B =6.4 / 21				
MDJ	18.7	266	eP	08 59 29.5	-2.4	
			pP	08 59 40.5	0.0	
			PP	08 59 48.4	0.8	
			S	09 03 02.0	7.3	
			LN	Ms=6.7	16.0	208
CN2	21.7	268	+iP	09 00 01.0	-3.5	
			PMZ	m _B =5.9	12.0	7.10
			pP	09 00 11.0	-3.7	
			S	09 03 50.0	-6.8	
			SMN		14.0	20.9
			SME		14.0	17.4
			LN	Ms=6.7	15.0	90.5
			LE		15.0	105
SNY	23.9	265	+iP	09 00 24.3	-1.0	
			PMZ	m _B =6.2	10.0	10.8
			sP	09 00 41.0	0.7	
			PP	09 01 07.5	8.7	
			iS	09 04 31.0	-4.3	
			SMN		19.0	32.6
			SME		17.0	33.0
			LN	Ms=6.6	14.0	48.9
			LE		16.0	75.7
DL2	26.6	261	+iP	09 00 51.0	-0.7	
			PMZ	m _B =6.2	8.0	4.67
			sP	09 01 10.0	3.2	
			PP	09 01 38.0	2.1	
			LN	Ms=6.6	13.0	26.1
			LE		13.0	63.9
BJI	29.6	268	P	09 01 18.0	-0.4	
			PMZ	m _B =6.2	11.0	4.58

		ePP	09 02 17.0	2.3		
		SMN			17.0	10.2
		SME			16.0	10.6
		LZ	Ms=6.3		18.0	44.8
TIA	31.1	260	+P	09 01 31.5	-0.3	
		PMZ	m _B =6.3		10.0	4.96
		sP	09 01 50.0	3.0		
		S	09 06 39.0	6.6		
		SMN			19.0	22.5
		SME			19.0	18.0
		LN	Ms=6.5		13.5	40.4
		LE			13.5	29.7
		LZ	Ms=6.4		13.0	37.3
SSE	31.9	249	+iP	09 01 39.0	0.8	
		PMZ	m _B =6.5		9.0	6.93
		PP	09 02 46.0	2.2		
		PcP	09 04 34.0	6.3		
		S	09 06 47.0	3.1		
		LN	Ms=6.8		17.0	102
		LZ	Ms=6.7		17.0	90.8
HHC	32.2	272	+iP	09 01 41.0	-0.8	
		PP	09 02 51.0	2.2		
		PPMZ			9.0	7.49
		S	09 06 49.0	-1.0		
		SMN	m _B =6.3		10.0	3.76
		SME			10.0	5.22
		LN	Ms=6.8		15.0	75.6
		LE			15.0	58.6
TIY	33.3	267	+iP	09 01 51.0	-0.1	
		PMZ	m _B =6.4		9.0	5.55
		PP	09 03 04.5	1.8		
		iS	09 07 06.0	-1.9		
		SMN	m _B =6.3		10.0	4.74
		SME			11.0	5.45
		LN	Ms=6.6		12.5	46.9
		LE			11.0	18.7
BTO	33.4	273	+iP	09 01 51.0	-0.7	
		pP	09 02 03.0	0.8		
		sP	09 02 08.0	1.3		
		PP	09 03 03.0	-0.4		
		SS	09 09 07.0	-5.0		
		LE	Ms=6.7		17.0	82.1
		LZ	Ms=6.8		17.0	111
WHN	36.5	255	+iP	09 02 18.0	-0.3	
		sP	09 02 30.5	-3.1		
		S	09 08 01.0	4.9		
		iScP	09 08 24.0	1.2		
		LE	Ms=6.7		15.0	56.5
XAN	37.8	265	+P	09 02 28.2	-0.8	
		PMZ	m _B =6.3		10.0	5.24



Pg 09 36 48.0 0.8
 Sg 09 37 46.2 -0.5
 SMN $M_L = 3.3$ 0.8 0.060
 SME 1.0 0.040

cS 13 03 20.0 0.2
 LN $M_s = 5.2$ 13.0 1.29
 LE 14.0 2.23
 BJI 34.6 262 cP 12 59 17.0 0.4
 LN $M_s = 5.3$ 20.0 2.94
 LE 19.0 2.07

1985 5 2

O = 12 30 28.8 ± 0.04s
 LAT = 51.65 N ± 1.65km
 LONG = 176.69 W ± 0.76km
 DEPTH = 61 km ± 0.38km

BTO 37.6 268 cP 12 59 43.0 0.5
 cS 13 05 24.0 -5.8
 LN $M_s = 5.4$ 14.0 1.90
 LE 14.0 1.90
 LZ $M_s = 5.3$ 14.0 2.10

STATIONS USED = 31, STAND DEV = 0.80s

CN2 38.8 282 cP 12 37 48.6 -1.0
 SNY 41.0 280 -iP 12 38 09.0 0.9
 BJI 46.6 283 cP 12 38 53.5 0.4
 TIA 48.4 279 +P 12 39 07.4 -0.1
 TIY 50.3 283 cP 12 39 23.0 0.8
 XAN 54.9 282 +P 12 39 55.4 -0.7
 CD2 60.2 283 +P 12 40 33.5 0.0
 GYA 61.6 277 -P 12 40 42.8 -0.2
 KMI 65.0 279 +P 12 41 05.5 0.0
 pP 12 41 19.0 -1.5

XAN 42.9 262 cP 13 00 26.8 0.5
 LN $M_s = 5.6$ 13.0 1.17
 LE 14.0 2.76

GTA 44.1 275 -iP 13 00 36.5 0.3
 pP 13 00 41.2 -4.5
 cS 13 07 08.1 1.5
 LN $M_s = 5.4$ 14.5 1.58
 LE 14.0 1.41

LZH 44.2 269 cP 13 00 38.5 1.4
 LE $M_s = 5.4$ 13.0 1.98
 WMQ 47.7 289 P 13 01 04.2 -0.3
 PMZ 1.7 0.30

1985 5 2

O = 12 36 41.7 ± 0.08s
 LAT = 31.96 N ± 0.55km
 LONG = 120.64 E ± 1.00km
 DEPTH = 17 km ± 0.52km

PcS 13 06 26.8 -0.4
 S 13 08 00.7 4.4
 LN $M_s = 5.6$ 18.0 3.83

STATIONS USED = 7, STAND DEV = 2.71s

$M_L = 3.0 / 7,$

SSE 1.0 152 +Pg 12 36 57.5 -1.7
 Sg 12 37 08.8 -3.9
 SMN $M_L = 3.4$ 0.3 0.88
 SME 0.3 0.86
 NJ2 1.5 274 -iPg 12 37 09.8 1.0
 iSg 12 37 29.8 0.1
 SMN $M_L = 3.2$ 0.2 0.30
 SME 0.2 0.30
 BJI 8.8 337 cP 12 38 53.5 1.5

CD2 48.1 264 cP 13 01 06.0 -1.8
 LE $M_s = 5.3$ 20.0 2.04
 GYA 50.0 258 P 13 01 26.4 4.2
 LN $M_s = 5.3$ 18.0 1.60
 LE 18.0 1.00

KMI 53.2 260 cP 13 01 48.5 2.1
 LSA 56.1 274 +P 13 02 07.8 0.0
 KSH 56.9 293 cP 13 02 13.0 -0.6

1985 5 2

O = 15 19 58.6 ± 0.05s
 LAT = 37.28 N ± 1.14km
 LONG = 116.38 W ± 0.87km
 DEPTH = 0 km ± 0.31km

1985 5 2

O = 12 52 28.6 ± 0.10s
 LAT = 56.24 N ± 1.89km
 LONG = 163.29 E ± 1.16km
 DEPTH = 34 km ± 0.24km

STATIONS USED = 45, STAND DEV = 0.94s

STATIONS USED = 57, STAND DEV = 1.24s

$M_s = 5.3 / 11,$

MDJ 24.2 256 cP 12 57 44.0 1.1
 LE $M_s = 5.1$ 14.0 2.70
 CN2 26.9 259 cP 12 58 09.0 -0.2
 SNY 29.3 257 cP 12 58 31.6 1.4

MDJ 79.0 318 cP 15 32 06.5 -0.4
 CN2 81.8 320 +P 15 32 20.6 -0.8
 SNY 84.1 319 +P 15 32 34.4 0.8
 BJI 89.2 322 cP 15 32 58.0 -0.4
 HHC 90.7 326 P 15 33 06.2 0.6
 BTO 91.6 327 cP 15 33 10.0 0.3
 TIA 91.7 319 -P 15 33 10.2 0.4
 SSE 93.3 314 P 15 33 17.2 0.0
 NJ2 93.9 316 cP 15 33 19.2 -0.8



O = 19 57 15.0 ± 0.08s
 LAT = 19.24 N ± 1.30km
 LONG = 145.87 E ± 2.22km
 DEPTH = 118 km ± 0.60km
 STATIONS USED = 57, STAND DEV = 1.59s

$m_B = 5.4 / 1$

SSE	25.2	303	eP	20 02 31.0	-0.5		
			eS	20 06 42.0	-3.9		
			sS	20 07 24.0	-5.5		
QZH	25.9	288	eP	20 02 43.5	5.7		
			LN			11.0	0.28
MDJ	28.7	335	eP	20 03 04.5	0.9		
SNY	29.4	325	eP	20 03 09.0	-0.9		
			sP	20 03 49.0	-0.6		
			eS	20 07 48.0	-6.2		
CN2	29.9	330	eP	20 03 13.0	-1.0		
			sP	20 03 49.0	-4.7		
BJI	32.9	315	eP	20 03 39.5	-0.5		
QZN	34.0	276	eP	20 03 46.6	-3.2		
XAN	36.0	302	eP	20 04 01.8	-4.7		
GYA	36.7	289	P	20 04 14.6	1.5		
			pP	20 04 45.2	6.0		
			S	20 09 48.0	1.4		
BTO	37.3	313	eP	20 04 19.0	1.1		
			epP	20 04 47.0	3.0		
			ePP	20 05 48.0	1.4		
			S	20 09 58.0	2.7		
			sS	20 10 47.0	4.9		
			LN			21.0	0.90
			LE			21.0	0.80
LZH	40.5	303	eP	20 04 45.5	1.2		
GTA	44.4	307	P	20 05 16.7	0.9		
			LE			12.0	0.18
LSA	50.5	293	P	20 06 05.1	1.2		
			pP	20 06 33.0	2.3		
			SME			9.0	0.42
WMQ	54.1	311	P	20 06 29.2	-1.2		
			pP	20 06 58.8	1.0		
			sP	20 07 16.5	5.2		
			sS	20 14 45.5	1.3		

1985 5 2
 O = 21 18 00.8 ± 0.09s
 LAT = 49.06 N ± 3.62km
 LONG = 155.90 E ± 2.32km
 DEPTH = 28 km ± 1.36km
 STATIONS USED = 43, STAND DEV = 1.69s
 $M_s = 4.4 / 4,$

MDJ	18.5	266	eP	21 22 15.0	-2.1		
			LN			18.0	0.59

CN2	21.6	267	eP	21 22 46.5	-3.8		
			eS	21 26 34.0	-8.8		
			LN			15.0	0.80
SNY	23.7	264	+P	21 23 12.9	1.8		
			eS	21 27 20.0	-1.0		
			LN			18.0	0.59
BJI	29.4	267	eP	21 24 03.5	-0.9		
TIY	33.1	267	eP	21 24 38.2	0.9		
BTO	33.2	273	eP	21 24 37.6	-0.2		
WHN	36.3	255	eP	21 25 04.0	-0.6		
XAN	37.6	264	eP	21 25 13.0	-2.3		
LZH	39.7	271	eP	21 25 34.0	1.0		
GTA	40.5	278	-iP	21 25 40.5	1.1		
			LE			15.0	0.68
CD2	43.0	265	P	21 26 00.0	0.4		
GYA	44.0	258	P	21 26 09.0	0.5		
			pP	21 26 21.0	4.0		
			S	21 32 33.0	-4.7		
WMQ	45.9	291	eP	21 26 23.0	0.0		
KMI	47.5	260	eP	21 26 36.0	-0.1		
			pP	21 26 48.0	3.6		

1985 5 3
 O = 00 45 24.5 ± 0.04s
 LAT = 43.18 N ± 0.56km
 LONG = 131.57 E ± 0.55km
 DEPTH = 549 km ± 0.63km
 STATIONS USED = 39, STAND DEV = 0.84s
 $m_B = 4.2 / 2$

MDJ	2.0	316	-iP	00 46 35.0	0.3		
			iS	00 47 30.6	0.6		
			SME			2.0	1.61
CN2	4.5	280	+iP	00 46 50.0	-0.9		
			PMZ			2.0	0.70
			S	00 47 56.0	-2.9		
SNY	6.1	260	+iP	00 47 04.3	-0.3		
DL2	8.6	244	+iP	00 47 29.5	-0.1		
			S	00 49 10.0	1.0		
BJI	11.9	260	eP	00 48 03.0	-0.1		
			eS	00 50 11.0	0.4		
TIA	13.1	243	P	00 48 14.8	-0.3		
TIY	15.6	256	P	00 48 40.3	0.9		
			S	00 51 23.0	7.0		
			SME			9.0	0.39
XAN	19.9	250	eP	00 49 21.6	0.9		
GTA	24.1	272	-iP	00 49 59.2	0.0		
GYA	26.2	239	P	00 50 17.0	-1.3		
WMQ	31.6	287	eP	00 51 04.2	0.1		

1985 5 3

May, 1985

O=01 11 40.6 ± 0.16s					
LAT=11.92 S ± 1.30km					
LONG=166.17 E ± 1.98km					
DEPTH= 50 km ± 1.44km					
STATIONS USED = 14, STAND DEV = 2.59s					
CN2	66.7	329	+P	01 22 28.0	-1.1
XAN	71.0	312	eP	01 22 55.4	-0.5
CD2	73.5	307	eP	01 23 10.2	-0.2
LZH	75.7	312	eP	01 23 25.0	1.9
GTA	80.0	314	+P	01 23 48.2	1.2
1985 5 3					
O=04 01 56.7 ± 0.14s					
LAT= 8.55 S ± 1.33km					
LONG=126.55 E ± 1.62km					
DEPTH=102 km ± 1.20km					
STATIONS USED = 20, STAND DEV = 2.30s					
CD2	44.9	332	eP	04 10 04.0	0.6
XAN	45.5	339	P	04 10 07.6	-0.8
LZH	49.3	336	eP	04 10 38.0	0.3
GTA	53.8	334	+iP	04 11 11.8	0.3
WMQ	62.9	329	eP	04 12 15.0	0.0
1985 5 3					
O=07 02 51.7 ± 0.43s					
LAT=12.01 N ± 4.40km					
LONG= 86.80 W ± 2.69km					
DEPTH= 65 km ± 4.06km					
STATIONS USED = 59, STAND DEV = 1.99s					
Ms=6.0/16,					
BJI	124.0	339	PKP	07 21 44.0	0.2
WMQ	124.2	5	ePKP	07 21 36.4	-7.9
			SKS	07 28 40.5	-6.2
			SKKS	07 30 04.5	
			LN	Ms=6.2	18.0 3.18
HHC	124.7	343	+PKP	07 21 46.4	1.1
			LN	Ms=6.3	21.0 3.94
BTO	125.4	344	PKP	07 21 47.0	0.4
KSH	126.3	17	ePKP	07 21 49.0	0.5
			PP	07 23 43.0	-4.3
			LE	Ms=6.0	16.0 1.64
TIA	127.0	336	PKP	07 21 50.2	0.6
			PP	07 23 49.0	-2.1
			LN	Ms=5.9	21.0 1.57
			LE		21.0 0.63
			LZ	Ms=6.0	21.0 2.08
TIY	127.4	341	PKP	07 21 51.3	0.9
			LN	Ms=6.1	20.0 2.06
			LE		20.0 0.98
GTA	128.5	353	+PKP	07 21 53.2	0.6

			LN	Ms=5.9	18.0 1.52
SSE	129.4	329	ePKP	07 21 50.4	-3.8
			PP	07 24 04.0	-3.7
			PKS	07 25 15.0	
			LN	Ms=5.8	19.0 1.19
			LZ	Ms=6.0	19.0 1.73
NJ2	129.8	331	-PKP	07 21 55.5	0.6
			ePP	07 24 06.0	-3.7
			LZ	Ms=5.7	20.0 1.10
LZH	131.1	349	PKP	07 21 59.0	1.3
			LN	Ms=6.0	16.0 1.71
XAN	131.8	342	PKP	07 21 59.0	0.1
			LN	Ms=6.3	20.0 3.85
WHN	133.1	335	PKP	07 22 03.0	1.8
			ePP	07 24 30.0	-0.5
			iPKS	07 25 30.0	
			LN	Ms=5.9	23.0 1.72
CD2	136.1	347	ePKP	07 22 08.3	1.4
			PP	07 24 52.0	2.0
			PKS	07 25 40.0	
			LN	Ms=5.8	22.0 1.42
			LZ	Ms=6.1	22.0 2.34
LSA	138.5	3	ePKP	07 22 06.0	-5.7
GYA	139.6	341	PKP	07 22 14.0	0.7
			PKS	07 25 50.0	
GZH	139.9	330	PKP	07 22 16.3	2.5
			PP	07 25 10.0	-3.7
			PKS	07 25 54.0	
KMI	141.9	346	-PKP	07 22 14.0	-3.6
QZN	145.1	332	ePKP	07 22 23.8	1.0
			PP	07 25 44.0	-0.1
			LN	Ms=6.0	21.0 1.90
1985 5 3					
O=09 27 07.4 ± 0.17s					
LAT=45.29 N ± 1.67km					
LONG= 91.50 E ± 1.34km					
DEPTH= 8 km ± 0.33km					
STATIONS USED = 7, STAND DEV = 3.34s					
M _L =3.4/7,					
WMQ	3.1	243	Pn	09 28 00.7	3.7
			Sn	09 28 29.2	-6.8
			SMN	M _L =3.3	0.2 0.15
			SME		0.2 0.090
1985 5 3					
O=09 55 53.0 ± 0.12s					
LAT=38.06 N ± 1.18km					
LONG=106.19 E ± 0.92km					
DEPTH= 7 km ± 0.43km					

STATIONS USED = 7, STAND DEV = 3.99s
 $M_L = 3.0 / 5,$

LZH	2.7	224	ePg	09 56 43.5	2.3
			eS _c	09 57 18.5	0.4
			SMN	$M_L = 3.0$	1.0 0.090
			SME		1.0 0.070
BTO	3.9	48	ePg	09 57 03.2	1.0
			Sg	09 57 52.6	-2.8
XAN	4.6	150	ePn	09 57 03.8	0.8
			Pg	09 57 16.6	2.8
			Sg	09 58 15.6	-0.8
GTA	5.2	287	Pg	09 57 18.5	-5.9
			SMN	$M_L = 3.0$	0.8 0.018
			SME		0.7 0.013

1985 5 3
 $O = 11 23 25.0 \pm 0.12s$
 $LAT = 7.25 N \pm 2.01km$
 $LONG = 93.10 E \pm 1.67km$
 $DEPTH = 38 km \pm 0.22km$
 STATIONS USED = 46, STAND DEV = 1.97s
 $M_s = 4.4 / 1,$

QZN	20.1	53	eP	11 27 58.8	0.7
			eS	11 31 35.0	-1.5
			LN	$M_s = 4.4$	17.0 0.90
LSA	22.4	356	+P	11 28 24.2	1.8
GYA	23.1	32	P	11 28 29.6	1.1
			S	11 32 35.0	3.2
CD2	25.6	22	-P	11 28 52.7	0.1
XAN	30.4	27	+P	11 29 34.8	-1.6
GTA	32.6	10	P	11 29 54.0	-1.7
TIA	36.2	34	eP	11 30 26.8	-0.1
WMQ	36.7	353	eP	11 30 31.5	0.4
			PP	11 31 53.0	-3.2
			eS	11 36 12.5	0.6
BJI	38.6	29	eP	11 30 47.5	0.5
SNY	43.8	33	eP	11 31 28.6	-0.5
CN2	46.1	33	+P	11 31 47.0	-0.9
MDJ	48.9	34	eP	11 32 08.8	-1.0

1985 5 3
 $O = 12 07 33.4 \pm 0.10s$
 $LAT = 58.17 N \pm 2.23km$
 $LONG = 148.74 W \pm 1.42km$
 $DEPTH = 28 km \pm 0.25km$
 STATIONS USED = 25, STAND DEV = 2.22s

MDJ	49.6	292	eP	12 16 27.3	2.8
CN2	52.2	294	P	12 16 42.5	-1.9
GTA	67.3	309	P	12 18 28.7	0.3
XAN	67.8	299	eP	12 18 35.0	3.7

WMQ	68.1	319	eP	12 18 34.0	0.5
GYA	75.2	296	eP	12 19 15.0	-0.8

1985 5 3
 $O = 13 12 40.6 \pm 0.16s$
 $LAT = 18.32 S \pm 4.01km$
 $LONG = 177.11 E \pm 2.04km$
 $DEPTH = 8 km \pm 0.75km$
 STATIONS USED = 24, STAND DEV = 2.65s
 $M_s = 5.0 / 1,$

CN2	77.8	324	eP	13 24 39.0	-1.9
TIA	78.4	314	eP	13 24 41.3	-3.1
BJI	81.1	317	P	13 25 04.0	5.1
TIY	82.4	314	eP	13 25 05.2	-0.5
			LE	$M_s = 5.0$	14.0 0.27

XAN	83.2	309	eP	13 25 08.8	-0.7
CD2	85.7	304	-P	13 25 23.8	1.3
LZH	87.8	309	eP	13 25 33.0	0.3

1985 5 3
 $O = 15 28 33.9 \pm 0.46s$
 $LAT = 9.27 S \pm 4.11km$
 $LONG = 71.28 W \pm 2.00km$
 $DEPTH = 599 km \pm 5.08km$
 STATIONS USED = 68, STAND DEV = 2.55s

KSH	138.1	39	ePKP	15 46 53.0	0.1
MDJ	140.4	336	ePKP	15 46 54.0	-3.0
WMQ	141.0	24	ePKP	15 46 52.8	-5.3
			sPKP	15 50 06.0	
			PKS	15 50 34.0	
CN2	142.6	340	ePKP	15 46 57.0	-3.8
SNY	145.0	340	ePKP	15 47 04.6	-0.3
DL2	148.3	341	ePKP	15 47 08.0	-2.3
HHC	148.4	356	ePKP	15 47 11.4	0.7
BJI	148.6	349	ePKP	15 47 11.0	0.2
			ePKP ₂	15 49 30.5	
BTO	148.8	358	-iPKP	15 47 15.0	3.8
			PKP ₂	15 49 33.0	
GTA	148.9	13	-iPKP	15 47 12.3	0.8
			pPKP	15 49 35.0	5.9
TIY	151.5	354	ePKP	15 47 15.8	0.5
LZH	152.9	9	PKP	15 47 18.5	1.1
			PKP ₂	15 47 40.5	
			pPKP	15 49 38.0	2.6
LSA	153.8	37	PKP	15 47 20.7	1.8
			pPKP	15 49 46.3	9.6
XAN	155.3	360	PKP	15 47 21.2	0.7
NJ2	155.5	339	ePKP	15 47 21.4	0.8
CD2	158.0	11	ePKP	15 47 24.2	0.2
WHN	158.2	347	ePKP	15 47 25.0	0.9

May, 1985

GYA	162.8	6	iPKP ₂	15 48 01.5	
			PKP	15 47 30.0	0.9
			PKP ₂	15 48 23.0	
KMI	163.2	19	sPKP	15 50 33.6	
			PP	15 52 04.0	-6.0
			+PKP	15 47 30.5	0.9
			PKP ₂	15 48 24.5	
			sPKP	15 50 47.5	
QZN	170.2	354	PP	15 52 09.0	-3.4
			ePKP	15 47 36.0	1.5
			PP	15 52 48.5	0.9

1985 5 3

O=17 11 50.7 ± 0.17s
 LAT=19.09 S ± 1.21km
 LONG=177.75 W ± 2.46km
 DEPTH=457 km ± 1.67km
 STATIONS USED = 16, STAND DEV= 1.96s

NJ2	79.2	309	+P	17 23 10.5	1.6
CN2	81.3	322	eP	17 23 20.0	-0.2
BJI	85.1	315	eP	17 23 40.0	1.1
GYA	86.2	300	P	17 23 46.6	2.3
XAN	87.5	307	P	17 23 52.0	1.5

1985 5 3

O=18 02 29.6 ± 0.05s
 LAT=18.08 N ± 0.65km
 LONG=146.90 E ± 1.24km
 DEPTH= 92 km ± 0.29km
 STATIONS USED = 28, STAND DEV= 0.78s

SSE	26.7	304	eP	18 08 03.7	1.7
MDJ	30.2	335	eP	18 08 33.7	0.0
BJI	34.4	316	eP	18 09 09.5	-0.6
XAN	37.4	303	eP	18 09 35.2	-0.5
GYA	38.0	290	eP	18 09 42.4	1.3
GTA	45.8	308	P	18 10 45.0	0.2
WMQ	55.6	311	P	18 11 58.0	-0.6

1985 5 3

O=19 26 25.4 ± 0.06s
 LAT= 0.45 N ± 1.47km
 LONG= 98.06 E ± 1.78km
 DEPTH= 31 km ± 0.43km
 STATIONS USED = 42, STAND DEV= 0.99s
 M_s=4.8/ 3,

QZN	21.8	31	eP	19 31 19.0	2.2
			eS	19 35 11.0	-0.2
KMI	24.9	10	+P	19 31 48.0	0.1
			eS	19 36 06.0	-1.2
			LN	M _s =4.8	18.0

LSA	29.8	348	P	19 32 33.1	0.4	
CD2	30.8	10	P	19 32 39.6	-1.1	
			LZ	M _s =4.9	15.0	1.17
XAN	34.9	16	P	19 33 15.0	-1.9	
LZH	35.9	8	eP	19 33 24.0	-0.9	
NJ2	37.1	30	-P	19 33 35.0	0.1	
			LZ	M _s =4.4	14.0	0.30
SSE	37.5	34	P	19 33 38.7	-0.2	
GTA	38.8	2	P	19 33 49.8	0.2	
BTO	41.4	14	eP	19 34 11.5	0.3	
HHC	42.0	15	-P	19 34 17.5	1.2	
BJI	42.7	21	eP	19 34 22.0	0.2	
WMQ	44.2	349	eP	19 34 33.5	-0.1	
SNY	47.2	26	eP	19 34 56.8	-0.7	
CN2	49.6	26	eP	19 35 14.8	-1.4	
MDJ	52.1	28	eP	19 35 36.5	1.2	

1985 5 3

O=20 54 51.6 ± 0.08s
 LAT=42.70 N ± 0.94km
 LONG= 83.19 E ± 0.77km
 DEPTH= 12 km ± 0.32km
 STATIONS USED = 8, STAND DEV= 2.66s

M_L=3.1/ 10,

WMQ	3.5	70	ePn	20 55 49.2	3.1	
			Sg	20 56 49.6	8.9	
			SMN	M _L =2.8	0.4	0.030
			SME		0.6	0.030

1985 5 4

O=00 04 22.0 ± 0.08s
 LAT= 6.28 S ± 1.06km
 LONG=155.03 E ± 1.23km
 DEPTH= 74 km ± 0.55km
 STATIONS USED = 67, STAND DEV= 1.21s

QZH	47.1	313	P	00 12 50.3	1.2
GZH	50.1	307	-P	00 13 14.3	2.1
QZN	51.1	300	P	00 13 21.2	1.3
NJ2	51.4	320	eP	00 13 22.8	0.9
WHN	53.5	316	eP	00 13 36.0	-1.3
DL2	54.6	328	eP	00 13 45.2	-0.4
CN2	56.6	335	eP	00 13 59.0	-0.9
GYA	57.1	307	P	00 14 04.0	0.5
BJI	58.4	326	eP	00 14 11.5	-0.9
XAN	59.2	316	+P	00 14 17.6	-0.9
CD2	61.4	310	+P	00 14 33.4	0.1
HHC	61.5	324	P	00 14 34.3	-0.1
BTO	62.3	323	eP	00 14 39.0	-0.6
LZH	63.8	315	eP	00 14 50.5	0.8
GTA	68.2	317	+P	00 15 18.4	0.6

WMQ 78.3 317 -P 00 16 16.5 -0.2
KSH 85.6 310 eP 00 16 56.0 1.7

1985 5 4

O=09 49 09.1 ± 0.10s
LAT=40.04 N ± 0.82km
LONG= 78.68 E ± 0.98km
DEPTH= 14 km ± 0.35km
STATIONS USED = 11, STAND DEV = 2.50s

$M_L = 3.7 / 9,$

KSH 2.2 255 ePn 09 49 44.8 -0.6
Sg 09 50 14.8 -2.2
SMN $M_L = 3.8$ 0.2 0.62
SME 0.2 0.61
WMQ 7.7 58 ePn 09 51 02.2 0.7
LG_i 09 53 19.1 7.9
SMN 2.0 0.10
SME 1.7 0.050

GTA 16.3 85 eP 09 52 59.2 -0.2

1985 5 4

O=10 14 24.4 ± 0.08s
LAT= 3.28 N ± 1.34km
LONG= 96.32 E ± 0.99km
DEPTH= 84 km ± 0.53km
STATIONS USED = 21, STAND DEV = 1.58s

QZN 20.5 39 eP 10 18 58.7 0.8
GYA 25.1 22 P 10 19 43.2 0.0
CD2 28.4 14 eP 10 20 16.8 3.7
XAN 32.8 20 eP 10 20 49.6 -2.4
GTA 36.1 5 eP 10 21 19.0 -1.6
BJI 40.8 24 eP 10 22 00.0 0.8
SNY 45.5 29 eP 10 22 39.4 1.9

1985 5 4

O=13 16 35.5 ± 0.21s
LAT=37.56 N ± 1.06km
LONG= 79.44 E ± 1.25km
DEPTH= 28 km ± 0.75km
STATIONS USED = 9, STAND DEV = 3.18s

$M_L = 3.8 / 5,$

KSH 3.3 306 ePn 13 17 25.5 -0.5
Sg 13 18 17.0 -2.3
SMN $M_L = 3.8$ 0.4 0.33
SME 0.2 0.35
WMQ 8.9 43 eP 13 18 44.4 -0.3
SMN $M_L = 3.9$ 1.5 0.023

1985 5 5

O=08 01 26.3 ± 0.23s

LAT=12.93 S ± 1.37km
LONG=165.56 E ± 1.75km
DEPTH=109 km ± 2.58km
STATIONS USED = 20, STAND DEV = 2.26s

CN2 67.3 330 -P 08 12 09.1 -2.7
GYA 69.3 305 eP 08 12 25.6 0.8
TIY 70.8 318 eP 08 12 33.0 -0.8
XAN 71.3 313 +P 08 12 36.0 -0.4
HHC 73.1 320 eP 08 12 46.8 -0.8
CD2 73.6 308 +iP 08 12 51.3 1.1
GTA 80.2 314 P 08 13 27.8 0.5

1985 5 5

O=11 37 00.8 ± 0.06s
LAT=37.66 N ± 0.50km
LONG=101.62 E ± 0.58km
DEPTH= 2 km ± 0.18km
STATIONS USED = 5, STAND DEV = 3.96s

$M_L = 2.7 / 5,$

GTA 2.2 322 Pg 11 37 40.1 -0.7
Sg 11 38 09.1 -2.2
SMN $M_L = 2.3$ 0.6 0.014
SME 0.6 0.026
LZH 2.4 131 cPg 11 37 44.0 1.0
cSg 11 38 15.5 0.2
SMN $M_L = 2.8$ 1.5 0.070
SME 1.0 0.050

1985 5 5

O=18 03 54.3 ± 0.11s
LAT=39.35 N ± 1.80km
LONG= 72.76 E ± 1.81km
DEPTH= 35 km ± 0.37km
STATIONS USED = 55, STAND DEV = 1.81s

$M_s = 4.5 / 9, M_L = 5.0 / 5,$

KSH 2.5 87 +iPn 18 04 37.0 4.0
iSn 18 05 10.0 6.6
WMQ 12.0 63 -P 18 06 45.1 -1.5
eS 18 08 58.0 -2.7
eSS 18 09 15.0 0.2
LE $M_s = 4.9$ 7.0 3.17
LSA 17.9 117 eP 18 08 02.4 -0.8
GTA 20.9 81 +iP 18 08 37.1 0.7
eS 18 12 21.0 -1.6
LE $M_s = 4.4$ 11.0 0.55
LZH 24.7 88 eP 18 09 15.5 1.1
PMZ 2.5 0.12
LE $M_s = 4.4$ 10.0 0.37
CD2 26.6 99 eP 18 09 33.1 1.3
eS 18 14 04.0 1.5



			SME		0.5	0.73				LN	$M_s = 5.7$	12.0	3.20
CN2	3.5	29	cPn	02 05 27.4	0.8					LE		12.0	3.90
			cPg	02 05 41.0	7.7					LZ	$M_s = 5.6$	12.0	4.70
			Sn	02 06 11.7	1.0			HHC	34.6	62	+iP	03 11 11.6	1.0
			Sg	02 06 28.5	6.9					S		03 16 34.0	-1.9
			SMN	$M_L = 4.3$	0.6	0.80				SMN	$m_B = 5.6$	9.0	0.73
			SME		0.6	0.90				SME		10.0	0.87
										LN	$M_s = 5.7$	10.0	4.32
										LE		12.0	2.10
								TIY	35.2	67	P	03 11 16.0	0.0
										S		03 16 49.0	3.3
										SME	$m_B = 5.8$	10.0	2.08
										LN	$M_s = 5.9$	12.0	4.47
										LE		12.0	7.55
								QZN	37.6	99	cP	03 11 35.2	-0.8
										S		03 17 17.0	-5.2
										LN	$M_s = 5.7$	12.0	1.70
										LE		13.0	5.10
								WHN	37.7	79	cP	03 11 37.0	0.3
										sP		03 11 51.0	0.8
										S		03 17 22.0	-1.6
										SME	$m_B = 5.6$	11.0	1.34
										LE	$M_s = 6.0$	13.0	8.96
								BJI	38.1	63	cP	03 11 41.0	0.9
										PMZ	$m_B = 5.4$	10.0	0.59
										ePP		03 13 12.0	1.7
										ePcP		03 13 54.0	-0.7
										S		03 17 29.0	-0.6
										SMN	$m_B = 5.6$	10.0	1.04
										ePcS		03 17 44.0	1.7
										eSS		03 20 12.0	3.7
										LE	$M_s = 5.6$	18.0	6.01
								GZH	39.0	91	P	03 11 47.0	-0.4
										S		03 17 41.0	-2.0
										SMN	$m_B = 5.7$	10.0	0.74
										SME		10.0	1.01
										LN	$M_s = 5.8$	14.0	3.99
										LE		14.0	4.72
								TIA	39.1	69	cP	03 11 48.8	0.5
										PMZ	$m_B = 5.5$	11.0	0.88
										PP		03 13 25.0	2.9
										S		03 17 45.5	0.9
										SMN	$m_B = 5.8$	9.0	0.87
										SME		10.5	1.31
										LN	$M_s = 5.7$	12.5	4.12
										LE		12.5	2.10
										LZ	$M_s = 5.5$	12.5	2.54
								NJ2	41.2	75	+P	03 12 06.0	0.5
										PP		03 13 45.0	1.3
										iS		03 18 16.0	-0.5

May, 1985

			LE		Ms = 5.9	13.0	6.60	WMQ	18.9	42	eP	03 31 20.5	-0.8		
DL2	42.4	65	+P	03 12 16.0		0.5					pP	03 31 28.7	-0.1		
			S	03 18 35.0		1.5					S	03 34 40.5	-6.2		
			LN		Ms = 5.8	15.0	2.77				LN		Ms = 4.8	13.0	2.20
			LE			13.0	4.55	KMI	29.1	93	eP	03 33 00.0	-0.9		
QZH	42.8	86	eP	03 12 22.0		2.7		GYA	32.1	89	P	03 33 27.0	-0.1		
			S	03 18 40.0		-0.4		XAN	32.6	74	eP	03 33 30.0	-1.6		
			SS	03 21 54.0		7.2		BJI	38.1	63	eP	03 34 19.0	0.5		
			LN		Ms = 6.1	14.5	10.2	DL2	42.4	65	eP	03 34 53.8	-0.1		
			LE			15.0	2.40								
SSE	43.3	76	+iP	03 12 23.0		-0.1		1985 5 6							
			PMZ		m _B = 5.8	10.0	1.60	O = 04 53 19.6				± 0.06s			
			PP	03 14 10.0		4.0		LAT = 49.05 N				± 2.21km			
			PPMZ			16.0	1.15	LONG = 156.02 E				± 1.20km			
			SME		m _B = 5.7	10.0	1.24	DEPTH = 37 km				± 0.55km			
			LN		Ms = 6.0	20.0	11.1	STATIONS USED = 41, STAND DEV = 1.11s							
			LZ		Ms = 6.3	16.0	21.5	CN2	21.6	268	-P	04 58 05.5	-3.3		
SNY	43.6	60	-iP	03 12 26.0		0.3		BJI	29.5	267	P	04 59 22.0	-0.9		
			PMZ		m _B = 5.6	10.0	1.02	HHC	32.1	272	eP	04 59 44.8	-1.5		
			PP	03 14 12.0		2.8		TIY	33.2	267	P	04 59 56.7	1.0		
			S	03 18 51.0		-0.9		BTO	33.3	273	eP	04 59 55.6	-0.6		
			SMN			18.0	1.42	XAN	37.7	264	eP	05 00 34.3	0.7		
			SME			20.0	1.68	LZH	39.8	271	eP	05 00 51.5	0.2		
			SS	03 22 07.0		6.2		GTA	40.6	278	P	05 00 58.7	0.9		
			LN		Ms = 5.9	15.0	2.35	CD2	43.0	265	P	05 01 18.8	0.9		
			LE			15.0	5.94	GYA	44.1	258	P	05 01 27.0	0.2		
CN2	44.9	57	-P	03 12 34.0		-1.9					pP	05 01 40.0	3.2		
			PMZ		m _B = 5.7	5.0	0.60	WMQ	45.9	291	eP	05 01 42.0	0.7		
			ePP	03 14 20.0		-1.7		1985 5 6							
			PPMZ			7.0	0.50	O = 07 33 58.3				± 0.16s			
			S	03 19 06.0		-4.2		LAT = 36.41 S				± 3.78km			
			SMN		m _B = 5.7	10.0	0.80	LONG = 98.75 W				± 3.05km			
			SME			10.0	0.80	DEPTH = 7 km				± 0.74km			
			SS	03 22 16.0		-8.4		STATIONS USED = 46, STAND DEV = 2.33s							
			LN		Ms = 6.0	13.0	4.30	MDJ	142.8	298	ePKP	07 53 32.0	-1.6		
			LE			13.0	5.50	CN2	145.7	296	-PKP	07 53 36.0	-2.6		
MDJ	47.8	56	-P	03 12 59.2		0.1		QZH	146.1	261	ePKP	07 53 39.6	0.3		
			PP	03 14 52.0		2.4		SSE	146.5	273	ePKP	07 53 39.0	-1.0		
			S	03 19 52.0		0.1		SNY	147.0	293	ePKP	07 53 40.5	-0.2		
			LN		Ms = 5.8	12.0	3.75	DL2	148.1	287	ePKP	07 53 43.8	1.2		
			1985 5 6												
			O = 03 27 00.7					NJ2	148.7	273	ePKP	07 53 46.0	2.4		
			LAT = 30.80 N					TIA	151.2	280	-PKP	07 53 52.1	4.7		
			LONG = 70.37 E					BJI	152.4	288	ePKP	07 53 54.0	4.8		
			DEPTH = 34 km					XAN	157.3	272	ePKP	07 53 54.4	-1.5		
			STATIONS USED = 31,					CD2	160.5	260	ePKP	07 53 58.3	-1.3		
			Ms = 4.8 / 1,					GTA	165.0	287	PKP	07 54 03.0	-1.3		
KSH	9.8	26	eP	03 29 23.0		0.7		WMQ	171.1	328	ePKP	07 54 09.2	0.9		
			eS	03 31 14.0		1.7		KSH	174.8	52	ePKP	07 54 10.0	0.1		

1985 5 6				
O=08 29 32.1	± 0.06s			
LAT=42.17 N	± 0.77km			
LONG= 82.57 E	± 0.58km			
DEPTH= 7 km	± 0.20km			
STATIONS USED = 7, STAND DEV = 1.65s				
M _L =3.3 / 7,				
WMQ 4.1 65 ePg	08 30 43.5	-1.3		
	Sg	08 31 46.0	5.2	
	SME	M _L =3.2	1.5	0.050
1985 5 6				
O=12 06 55.7	± 0.06s			
LAT=17.35 N	± 0.72km			
LONG=145.51 E	± 0.16km			
DEPTH=422 km	± 0.86km			
STATIONS USED = 23, STAND DEV = 0.82s				
GTA 45.2 309 -iP	12 14 36.1	0.6		
	PcP	12 16 07.8	0.8	
1985 5 6				
O=17 10 02.5	± 0.07s			
LAT=37.38 S	± 1.91km			
LONG=179.43 E	± 1.72km			
DEPTH= 28 km	± 0.09km			
STATIONS USED = 76, STAND DEV = 1.78s				
M _s =5.8 / 20, m _B =6.2 / 8				
QZH 84.3 307 -P	17 22 34.0	-0.1		
	PP	17 25 47.0	-2.7	
	S	17 32 54.5	-0.9	
	LE	M _s =5.6	20.0	1.73
QZN 86.2 297 eP	17 22 44.0	0.8		
	eSKS	17 33 04.5	1.3	
	S	17 33 10.5	-2.8	
	LN	M _s =5.8	17.0	1.00
	LE		17.0	1.80
GZH 86.5 302 -iP	17 22 46.0	1.4		
	PP	17 26 15.0	7.9	
	LN	M _s =5.7	40.0	3.41
	LE		38.0	1.82
SSE 87.2 313 +P	17 22 48.0	-0.2		
	PMZ	m _B =6.2	8.0	1.78
	PP	17 26 19.0	5.3	
	SKS	17 33 13.0	3.1	
	S	17 33 24.0	0.8	
	SS	17 39 12.0	1.8	
	LZ	M _s =6.2	40.0	11.0
NJ2 89.2 312 -P	17 22 58.5	0.4		
	SKS	17 33 17.0	-5.8	
	S	17 33 47.0	4.6	

			LZ	M _s =5.7	21.0	2.10
WHN 90.9 309 +P	17 23 06.2	0.3				
	eSKS	17 33 34.0	1.2			
	S	17 34 02.0	4.5			
	SME			13.0	1.82	
	LE	M _s =5.8		19.0	1.99	
DL2 92.7 319 -P	17 23 14.0	0.0				
	SKS	17 33 44.0	1.1			
	S	17 34 16.0	2.9			
	SMN	m _B =6.4		10.0	3.08	
	SME			11.0	1.23	
	LN	M _s =5.8		16.0	1.40	
	LE			14.0	1.10	
TIA 93.2 314 +P	17 23 17.0	0.5				
	PMZ	m _B =6.2		7.5	0.85	
	ePP	17 27 02.0	0.2			
	SKS	17 33 47.5	1.6			
	S	17 34 23.5	5.8			
	SMN	m _B =6.1		10.0	1.23	
	SME			10.0	1.08	
	LN	M _s =5.9		47.0	4.87	
	LE			47.0	4.71	
	LZ	M _s =6.0		47.0	7.65	
MDJ 93.2 327 eP	17 23 16.0	-0.5				
	PP	17 27 04.0	2.2			
	SKS	17 33 45.0	-0.9			
	S	17 34 20.0	2.3			
	SMN	m _B =6.2		8.0	1.51	
SNY 93.9 322 -P	17 23 18.0	-1.4				
	PMZ			16.0	0.88	
	pP	17 23 30.0	1.9			
	PP	17 27 07.0	-0.1			
	SKS	17 33 46.0	-3.4			
	S	17 34 22.0	-1.2			
	SMN			16.0	3.17	
	SME			16.0	1.63	
	LN	M _s =6.1		40.0	6.92	
	LE			44.0	4.47	
CN2 94.5 324 -P	17 23 21.2	-0.9				
	PMZ	m _B =6.2		7.0	0.70	
	PP	17 27 10.0	-1.4			
	SKS	17 33 52.0	-0.7			
	S	17 34 26.0	-2.3			
	SMN	m _B =6.2		10.0	1.60	
	SME			10.0	0.90	
	LN	M _s =6.0		17.0	2.40	
	LE			17.0	1.50	
KMI 95.1 298 +P	17 23 26.0	0.7				
	PP	17 27 23.0	7.1			
	SKS	17 33 59.0	2.8			



				M _L = 4.6		0.5 0.54								
				0.5 0.40				LN		Ms = 4.7		20.0		
			SME					XAN	18.7	300	eP	03 42 11.8	-0.9	
NJ2	7.2	116	ePn	20 59 36.0	3.3						LE	Ms = 4.9	13.0	2.77
CD2	7.7	236	Pn	20 59 41.0	0.8			MDJ	18.7	3	eP	03 42 15.5	2.1	
GYA	9.8	205	P	21 00 09.6	-1.5			GYA	19.5	277	P	03 42 23.0	1.0	
			S	21 01 55.0	-6.7						sP	03 42 35.6	3.3	
GTA	9.9	297	eP	21 00 08.8	-4.7						eS	03 46 00.0	4.9	
			S	21 01 57.4	-8.5						LE	Ms = 4.6	12.0	1.00
			SMN			1.2	0.030	HHC	20.4	321	+P	03 42 31.5	-0.9	
			SME			1.1	0.020				S	03 46 20.0	5.2	
1985 5 7											LN	Ms = 4.8	11.0	1.10
O = 03 37 53.5 ± 0.12s											LE		11.0	0.78
LAT = 25.86 N ± 1.70km								BTO	21.2	318	eP	03 42 38.6	-1.4	
LONG = 128.35 E ± 1.97km											eS	03 46 27.0	-2.8	
DEPTH = 24 km ± 0.40km											LN	Ms = 5.0	13.0	2.10
STATIONS USED = 65, STAND DEV = 2.03s											LE		15.0	1.40
Ms = 4.8 / 22,											LZ	Ms = 4.9	13.0	2.30
SSE	8.2	311	eP	03 39 53.2	-0.7			CD2	22.2	289	P	03 42 49.6	-0.5	
			sP	03 40 04.0	0.0						eS	03 46 50.0	1.4	
			LN	Ms = 4.9	11.0	3.16					LE	Ms = 5.1	11.0	2.32
			LE		11.0	6.92		KMI	23.1	274	+P	03 43 01.0	1.5	
			LZ	Ms = 4.8	11.0	6.00					LZ	Ms = 5.1	12.0	2.70
QZH	8.9	266	eP	03 40 02.5	-1.0						pP	03 43 10.0	3.5	
			eS	03 41 50.0	6.4						eS	03 47 10.0	4.4	
			LE	Ms = 4.0	14.0	1.25		LZH	23.3	302	eP	03 43 00.5	-0.6	
NJ2	10.4	309	eP	03 40 24.2	0.3						PMZ		1.5	0.070
			LE	Ms = 4.8	12.0	4.50					esS	03 47 19.0	-1.3	
TIA	14.1	320	eP	03 41 15.1	0.8						LE	Ms = 4.7	13.0	1.10
			eS	03 43 52.0	0.9			GTA	27.4	307	+iP	03 43 39.1	-1.1	
			LN	Ms = 4.7	12.5	1.49					LE	Ms = 4.7	12.0	0.74
			LE		12.5	1.61		WMQ	37.4	309	+iP	03 45 06.5	-0.8	
			LZ	Ms = 4.6	12.5	2.10					sP	03 45 16.8	-1.5	
SNY	16.4	347	eP	03 41 45.2	1.0						eS	03 50 51.0	-3.3	
			S	03 44 54.5	9.8						sS	03 51 04.5	-2.3	
			LN	Ms = 4.6	16.0	1.82					LE	Ms = 4.9	12.0	0.74
BJI	17.4	327	eP	03 41 58.5	1.6			1985 5 7						
			LN	Ms = 4.8	13.0	2.35		O = 04 05 08.5 ± 0.11s						
TIY	17.9	315	eP	03 42 04.4	0.9			LAT = 25.83 N ± 1.97km						
			S	03 45 17.5	-2.1			LONG = 128.63 E ± 2.09km						
			LN	Ms = 4.8	12.0	2.02		DEPTH = 39 km ± 0.65km						
			LE		12.0	0.89		STATIONS USED = 27, STAND DEV = 2.00s						
CN2	18.1	353	+P	03 42 04.0	-0.9			Ms = 4.6 / 10,						
			PP	03 42 27.0	7.8			SSE	8.4	310	eP	04 07 15.0	4.4	
			eS	03 45 22.0	-1.0						LG ₂	04 09 49.0	3.5	
			sS	03 45 36.0	2.8						LN	Ms = 4.5	10.0	1.77
			LN	Ms = 4.9	11.0	2.10					LE		10.0	2.39
QZN	18.4	252	eP	03 42 08.0	-1.1						LZ	Ms = 4.5	10.0	3.06
			pP	03 42 14.0	-1.4									
			eS	03 45 24.0	-6.7			BJI	17.6	327	eP	04 09 13.5	1.1	

		eS	04 12 31.0	6.3				LN	Ms=5.2	21.0	1.33
		LN	Ms=4.6	13.0	1.57	TIA	52.0 326	eP	06 36 05.5	-1.2	
CN2	18.1 353	+P	04 09 17.0	-2.1				LN	Ms=5.2	23.0	1.32
		eS	04 12 34.0	-2.8				LE		23.0	1.11
		LN	Ms=4.8	12.0	1.80			LZ	Ms=5.3	23.0	2.16
TIY	18.1 315	eP	04 09 18.5	-0.9		GYA	52.8 310	P	06 36 15.0	2.2	
		eS	04 12 38.0	0.6		MDJ	53.6 342	+P	06 36 17.0	-1.8	
		LN	Ms=4.6	11.0	0.91			pP	06 36 29.5	-3.5	
		LE		11.0	0.58			sP	06 36 35.0	-4.0	
QZN	18.6 253	eP	04 09 26.0	0.7				eS	06 43 47.0	0.7	
		eS	04 12 56.0	7.7				LZ	Ms=4.9	30.0	1.03
		LN	Ms=4.6	21.0	1.90	CN2	54.3 339	+P	06 36 21.0	-2.7	
XAN	18.9 300	P	04 09 27.0	-2.0				pP	06 36 37.0	-0.9	
		LE	Ms=4.7	13.0	1.68			eS	06 43 54.0	-1.2	
GYA	19.7 277	eP	04 09 39.6	1.6				LN	Ms=5.3	20.0	1.50
		S	04 13 15.0	2.7		BJI	55.3 329	eP	06 36 31.0	-0.3	
CD2	22.4 289	eP	04 10 03.5	-2.2		TIY	55.7 324	eP	06 36 34.8	0.7	
		S	04 13 57.0	-7.0				PS	06 44 35.0		
		LE	Ms=4.9	10.0	1.50			LN	Ms=5.2	22.0	0.68
		LZ	Ms=4.9	15.0	2.20			LE		20.0	0.98
KMI	23.4 274	eP	04 10 13.6	-1.4		CD2	57.3 313	eP	06 36 48.2	2.8	
		eS	04 14 22.0	0.2				eS	06 44 36.4	1.1	
LZH	23.5 302	eP	04 10 15.0	-1.4				LZ	Ms=5.0	23.0	0.90
GTA	27.7 306	P	04 10 53.8	-1.5		LZH	60.1 318	eP	06 37 05.5	0.8	
		pP	04 11 01.2	-4.0		GTA	64.5 319	eP	06 37 33.0	-1.7	
		LE	Ms=4.6	11.0	0.55	WMQ	74.6 318	eP	06 38 36.4	0.1	
WMQ	37.7 309	eP	04 12 21.0	-1.1							
		pP	04 12 28.2	-4.2							
		eS	04 18 04.2	-4.8							
<p>1985 5 7 O=06 27 00.5 ± 0.11s LAT= 6.09 S ± 1.08km LONG=149.70 E ± 1.57km DEPTH= 57 km ± 0.48km STATIONS USED = 57, STAND DEV= 1.41s Ms=5.2/ 11,</p>											
QZH	43.2 317	eP	06 35 01.3	3.1							
		LE	Ms=4.9	17.0	0.81						
SSE	45.9 325	eP	06 35 21.0	1.0							
		eS	06 42 01.0	1.6							
		LN	Ms=5.2	20.0	1.86						
		LZ	Ms=5.5	22.0	3.93						
QZN	46.5 303	eP	06 35 25.6	0.9							
		eS	06 42 10.0	2.1							
NJ2	48.0 324	+P	06 35 36.0	-0.1							
		S	06 42 28.0	0.6							
		sS	06 42 54.0	1.3							
		LE	Ms=5.1	20.0	1.40						
WHN	49.7 319	eP	06 35 48.5	-1.0							
<p>1985 5 7 O=08 58 29.0 ± 0.03s LAT=39.66 N ± 0.30km LONG=118.83 E ± 0.21km DEPTH= 3 km ± 0.07km STATIONS USED = 5, STAND DEV= 1.74s M_L=2.7/ 6,</p>											
						BJI	2.1 281	ePn	08 59 04.5	-0.5	
								eSn	08 59 30.0	-3.4	
								SMN	M _L =3.4	0.5	0.30
						TIA	3.7 202	ePg	08 59 34.8	0.5	
								Sg	09 00 21.5	-3.2	
								SMN	M _L =2.4	0.3	0.010
								SME		0.3	0.010
<p>1985 5 7 O=12 34 29.1 ± 0.05s LAT=25.83 N ± 0.39km LONG=102.85 E ± 0.44km DEPTH= 9 km ± 0.08km STATIONS USED = 5, STAND DEV= 2.54s M_L=2.9/ 5,</p>											
						KMI	0.7 188	-Pg	12 34 41.5	-0.5	

			Sg	12 34 52.5	0.9		
			SMN	$M_L=3.6$	1.0	1.75	
			SME		1.0	2.25	
CD2	5.1	9	ePn	12 35 47.8	1.4		
			Sn	12 36 45.9	-1.8		
			SMN	$M_L=3.1$	0.7	0.010	
			SME		1.2	0.030	

1985 5 7

O=14 03 58.6 ± 0.08s
 LAT= 0.08 N ± 1.71km
 LONG= 97.91 E ± 1.06km
 DEPTH= 32 km ± 0.32km
 STATIONS USED = 34, STAND DEV= 0.93s
 $M_s=4.8/1,$

QZN	22.2	31	eP	14 08 55.6	1.9		
			eS	14 12 52.0	0.7		
KMI	25.3	10	+P	14 09 25.5	0.8		
CD2	31.2	10	eP	14 10 16.3	-0.9		
			LN	$M_s=4.8$	16.0	1.00	
XAN	35.3	16	+P	14 10 52.5	-0.8		
LZH	36.2	8	eP	14 11 00.5	-0.8		
NJ2	37.5	30	eP	14 11 11.5	0.3		
GTA	39.2	2	P	14 11 26.1	0.3		
BJI	43.1	21	eP	14 11 59.0	0.9		
WMQ	44.5	349	+P	14 12 09.9	0.6		
SNY	47.6	26	eP	14 12 33.6	0.0		
CN2	50.0	26	+P	14 12 51.0	-1.3		

1985 5 7

O=14 32 34.2 ± 0.02s
 LAT=37.58 N ± 0.18km
 LONG= 115.12 E ± 0.18km
 DEPTH= 7 km ± 0.00km
 STATIONS USED = 8, STAND DEV= 1.53s
 $M_L=3.0/13,$

TIA	2.1	130	ePg	14 33 10.9	-0.6		
			Sg	14 33 37.4	-2.8		
			SMN	$M_L=3.1$	0.4	0.13	
			SME		0.4	0.17	
			SMZ	$M_L=3.3$	0.4	0.15	
TIY	2.1	275	Pg	14 33 12.4	0.3		
			Sg	14 33 41.4	0.2		
			SMN	$M_L=2.7$	0.7	0.060	
			SME		0.5	0.060	
BJI	2.6	18	ePg	14 33 19.5	-0.6		
			eSn	14 33 53.0	2.3		
			SMN	$M_L=3.6$	0.5	0.30	
			SME		0.5	0.30	

1985 5 7

O=22 16 54.0 ± 0.11s
 LAT=36.76 N ± 1.14km
 LONG=118.46 E ± 1.11km
 DEPTH= 6 km ± 0.21km
 STATIONS USED = 22, STAND DEV= 2.68s
 $M_L=3.8/20,$

TIA	1.2	244	ePg	22 17 15.4	0.0		
			Sg	22 17 30.1	-1.8		
			SMN	$M_L=4.0$	0.6	2.99	
			SME		0.6	2.60	
			SMZ	$M_L=3.8$	0.4	1.09	
DL2	3.3	48	Pg	22 17 56.0	3.8		
			Sg	22 18 34.0	-3.2		
			SMN	$M_L=3.8$	0.7	0.18	
			SME		0.7	0.47	
BJI	3.7	332	ePn	22 17 51.5	-0.9		
			ePg	22 18 03.5	3.6		
			eSn	22 18 33.0	-5.8		
			eSg	22 18 54.0	3.0		
			SMN	$M_L=4.1$	0.5	0.60	
			SME		0.5	0.34	
NJ2	4.7	176	ePn	22 18 10.0	4.3		
			Pg	22 18 17.9	0.9		
			Sn	22 19 06.2	3.4		
			Sg	22 19 15.0	-6.4		
			SMN	$M_L=3.4$	0.8	0.040	
			SME		0.8	0.080	
TIY	4.9	283	ePn	22 18 09.6	1.0		
			Pg	22 18 22.3	1.8		
			Sg	22 19 23.0	-4.6		
			SMN	$M_L=3.2$	0.6	0.030	
			SME		0.6	0.030	
SSE	6.1	157	ePg	22 18 41.8	0.4		
			SME	$M_L=3.7$	1.0	0.050	
WHN	7.1	210	Pn	22 18 41.5	3.1		
			Pg	22 19 06.0	7.0		
			eSn	22 19 55.5	-6.1		
			iSg	22 20 33.0	-2.8		
			SMN	$M_L=4.0$	0.6	0.050	
			SME		0.6	0.070	

1985 5 7

O=23 36 41.5 ± 0.13s
 LAT=37.60 N ± 2.05km
 LONG= 70.26 E ± 1.63km
 DEPTH= 32 km ± 0.19km
 STATIONS USED = 16, STAND DEV= 3.12s
 $M_s=4.4/1,$

KSH	4.9	66	eP	23 37 57.0	2.6		
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May, 1985



	eS	23 38 56.0	5.7	
	LE	Ms=4.4	4.0	2.18
WMQ	14.6 59 +P	23 40 11.4	3.5	
	eS	23 42 52.5	2.7	
	LE		2.0	0.030
GTA	23.2 76 P	23 41 47.3	0.8	

1985 5 7
 O=23 59 14.2 ± 0.08s
 LAT= 3.66 N ± 1.38km
 LONG=126.74 E ± 1.90km
 DEPTH= 76 km ± 0.16km
 STATIONS USED = 64, STAND DEV = 1.57s
 Ms=4.4/ 1,

QZN	22.5 314 eP	24 04 07.5	-1.0	
	eS	24 08 10.0	4.3	
QZH	22.6 340 eP	24 04 09.4	0.2	
GZH	23.3 327 +P	24 04 16.5	0.6	
	eS	24 08 22.0	2.9	
SSE	27.8 350 eP	24 04 59.0	0.6	
WHN	29.2 338 P	24 05 11.0	0.0	
NJ2	29.2 346 eP	24 05 10.6	-0.5	
GYA	29.7 322 eP	24 05 15.8	-0.2	
TIA	33.6 346 -P	24 05 48.9	-0.7	
XAN	34.5 333 P	24 05 55.6	-1.7	
CD2	34.7 324 eP	24 05 58.4	-0.8	
DL2	35.4 353 P	24 06 06.0	1.1	
TIY	36.3 341 P	24 06 12.6	-0.5	
BJI	37.5 347 eP	24 06 22.0	-0.3	
SNY	38.1 356 -iP	24 06 29.0	1.2	
	eS	24 12 14.0	-1.0	
	LN	Ms=4.4	26.0	0.34
	LE		26.0	0.33
LZH	38.6 330 eP	24 06 31.5	-0.3	
HHC	39.5 342 P	24 06 39.5	0.3	
BTO	39.7 340 eP	24 06 36.6	-4.9	
CN2	40.0 359 eP	24 06 42.5	-0.9	
MDJ	40.9 3 eP	24 06 51.0	0.4	
LSA	42.5 311 eP	24 07 03.8	-0.7	
WMQ	52.8 325 -P	24 08 23.8	-0.7	

1985 5 8
 O=08 12 51.3 ± 0.19s
 LAT=57.69 S ± 3.70km
 LONG= 25.09 W ± 5.75km
 DEPTH= 32 km ± 0.79km
 STATIONS USED = 41, STAND DEV = 2.64s
 Ms=5.1/ 1,

CD2	136.1 105 ePKP	08 32 11.3	0.7	
GTA	140.5 93 ePKP	08 32 15.0	-3.7	

XAN	141.2 107 ePKP	08 32 14.0	-6.0	
NJ2	144.5 121 +PKP	08 32 25.0	-0.5	
	LZ	Ms=5.1	18.0	0.20
SSE	144.8 124 PKP	08 32 25.4	-0.6	
TIY	145.9 107 +PKP	08 32 29.0	1.0	
TIA	147.1 114 +PKP	08 32 32.6	2.6	
BJI	149.6 109 ePKP	08 32 39.0	5.1	
CN2	157.0 114 ePKP	08 32 44.0	-0.5	

1985 5 8
 O=13 47 13.3 ± 0.21s
 LAT=23.87 N ± 2.14km
 LONG=114.58 E ± 1.49km
 DEPTH= 13 km ± 0.73km
 STATIONS USED = 13, STAND DEV = 4.19s
 M_L=3.5/ 15,

GZH	1.4 236 ePg	13 47 36.0	-1.8	
	eSg	13 47 53.5	-3.2	
	SMN	M _L =3.9	0.5	1.72
	SME		0.5	1.51
QZN	6.5 223 ePg	13 49 10.6	1.8	

1985 5 8
 O=17 10 41.1 ± 0.09s
 LAT=31.03 N ± 1.62km
 LONG= 70.33 E ± 1.26km
 DEPTH= 31 km ± 0.14km
 STATIONS USED = 91, STAND DEV = 1.48s
 Ms=5.4/ 26, m_B=5.3/ 8

KSH	9.6 27 P	17 13 02.0	1.7	
	S	17 14 48.0	0.3	
	LG ₂	17 15 52.0	-5.5	
	LE	Ms=5.6	7.0	22.4
LSA	18.0 89 eP	17 14 47.5	-4.0	
	LE	Ms=5.4	12.0	7.46
WMQ	18.7 42 eP	17 14 58.1	-2.0	
	pP	17 15 05.3	-2.0	
	S	17 18 23.0	-1.1	
	sS	17 18 32.0	-4.4	
	LN	Ms=5.5	12.0	9.32
LZH	28.3 71 eP	17 16 35.5	1.1	
	PMZ		2.5	0.37
	eS	17 21 16.0	-1.5	
	ePcS	17 23 33.0	5.4	
	LN	Ms=5.3	9.0	2.03
	LE		11.0	1.71
CD2	28.6 81 eP	17 16 36.4	-0.7	
	LE	Ms=5.6	9.0	3.90
	LZ	Ms=5.6	10.0	4.90
KMI	29.1 94 eP	17 16 41.0	-0.9	

			S	17 21 25.0	-4.7				LE		10.0		
			LE		Ms=5.3	10.0	2.60	TIA	39.0	69	cP	17 18 08.1	1.3
GYA	32.1	89	P	17 17 07.4	-0.7				S			17 24 07.5	4.6
			S	17 22 15.0	-1.3				LN		Ms=5.4	17.0	3.08
			LN		Ms=5.1	12.0	0.80		LE			17.0	1.35
			LE			12.0	1.30	NJ2	41.1	75	cP	17 18 24.0	0.0
			LZ		Ms=5.2	12.0	2.10		cPP			17 20 05.0	2.9
XAN	32.5	74	P	17 17 10.4	-1.6				S			17 24 32.0	-2.0
			PP	17 18 21.5	1.1				LZ		Ms=5.3	18.0	2.40
			eS	17 22 15.5	-8.9			DL2	42.3	65	cP	17 18 35.0	1.0
			SS	17 24 17.0	-3.8				eS			17 24 56.0	3.2
			LN		Ms=5.8	13.0	7.35		LN		Ms=5.3	19.0	2.50
BTO	33.3	62	P	17 17 19.5	0.7			QZH	42.8	86	cP	17 18 35.0	-2.9
			cPP	17 18 31.0	0.7				cPP			17 20 15.5	-4.4
			S	17 22 39.5	3.8				eS			17 25 00.0	0.2
			SMN		m _B =5.2	10.0	0.30		LN		Ms=5.5	13.0	0.71
			SME			10.0	0.40		LE			12.0	2.46
			LN		Ms=5.2	11.0	1.40	SSE	43.2	76	cP	17 18 42.5	0.8
			LE			11.0	0.90		PP			17 20 28.0	3.6
			LZ		Ms=5.2	11.0	1.50		eS			17 25 10.0	3.5
HHC	34.5	62	eP	17 17 31.0	1.9				LE		Ms=5.7	13.0	3.90
TIY	35.2	67	eP	17 17 34.3	-0.2				LZ		Ms=5.8	13.0	5.01
			S	17 23 08.5	4.5			SNY	43.6	60	cP	17 18 44.2	0.0
			SMN		m _B =5.5	9.0	0.59		PMZ		m _B =5.2	10.0	0.38
			SME			9.0	0.78		PP			17 20 30.0	2.5
			LN		Ms=5.4	13.0	2.64		S			17 25 08.0	-2.2
QZN	37.6	99	eP	17 17 54.0	-0.7				SS			17 28 14.0	-4.7
			PP	17 19 23.0	0.0				eScS			17 28 38.0	-0.3
			S	17 23 37.5	-3.3				LN		Ms=5.4	16.0	2.05
			SME		m _B =5.3	11.0	0.70		LE			16.0	1.46
			ScS	17 27 59.0	-3.8			CN2	44.8	57	eP	17 18 54.0	-0.5
			LN		Ms=5.1	12.0	0.70		PMZ		m _B =5.6	6.0	0.60
			LE			12.0	0.90		ePP			17 20 41.0	0.9
WHN	37.6	79	eP	17 17 56.0	0.7				eS			17 25 30.0	0.4
			pP	17 18 01.0	-3.3				SMN		m _B =5.3	9.0	0.30
			S	17 23 40.2	-1.7				SME			9.0	0.30
			LE		Ms=5.4	12.0	2.34		eSS			17 28 43.0	0.7
BJI	38.0	63	eP	17 18 00.0	1.4				ScS			17 28 48.0	1.7
			PMZ		m _B =5.4	6.0	0.42		LN		Ms=5.5	12.0	1.30
			ePP	17 19 35.0	6.4				LE			12.0	1.60
			PcP	17 20 14.0	0.4			MDJ	47.7	56	eP	17 19 17.0	-0.6
			ScP	17 24 02.5	5.0				S			17 26 12.4	2.2
			eS	17 23 54.0	5.2				ScS			17 29 10.0	4.9
			SMN		m _B =5.2	8.0	0.33		LN		Ms=5.2	12.0	1.07
			eSS	17 26 31.0	5.1								
			ScS	17 28 10.0	4.6								
			LN		Ms=5.4	18.0	3.06						
GZH	38.9	91	+P	17 18 11.4	5.4								
			eS	17 24 02.0	-0.5								
			LN		Ms=5.4	10.0	0.74						
										1985 5 8			
										O=20 28 00.3	± 0.05s		
										LAT=21.66 S	± 1.76km		
										LONG=139.17 W	± 1.72km		
										DEPTH= 9 km	± 0.05km		

STATIONS USED = 26, STAND DEV = 1.25s

XAN	119.5	298	ePKP	20 46 51.0	-0.6
GYA	120.3	289	PKP	20 46 54.6	1.4
CD2	123.5	293	ePKP	20 47 00.0	0.7
GTA	127.1	304	PKP	20 47 03.8	-2.6
WMQ	135.5	311	ePKP	20 47 22.5	0.2
			PKS	20 50 54.5	
KSH	145.2	309	+PKP	20 47 42.0	2.4

1985 5 9

O = 01 01 47.2 ± 0.15s
 LAT = 28.48 N ± 1.19km
 LONG = 102.79 E ± 1.87km
 DEPTH = 5 km ± 0.72km
 STATIONS USED = 7, STAND DEV = 3.81s

$M_L = 3.4 / 7,$

CD2	2.6	19	Pn	01 02 30.8	1.0
			Pg	01 02 34.2	1.8
			Sg	01 03 04.0	-3.5
			SMN	$M_L = 3.5$	0.8 0.20
			SME		0.8 0.26
GYA	4.0	119	ePn	01 02 54.0	4.5
			Pg	01 03 03.0	5.3
			Sg	01 03 54.0	1.8
			SMN	$M_L = 3.0$	1.0 0.050
			SME		1.0 0.020

1985 5 9

O = 03 18 45.3 ± 0.04s
 LAT = 40.01 N ± 0.22km
 LONG = 124.86 E ± 0.30km
 DEPTH = 21 km ± 0.59km
 STATIONS USED = 6, STAND DEV = 1.07s

$M_L = 3.3 / 6,$

SNY	2.1	332	+iPn	03 19 19.8	0.5
			Sg	03 19 44.8	-5.3
			SMN	$M_L = 3.5$	0.5 0.24
			SME		0.5 0.51
DL2	2.7	247	-iPn	03 19 28.5	0.0
			Sn	03 20 01.5	-1.3
			SMN	$M_L = 3.0$	0.8 0.050
			SME		0.8 0.080
CN2	3.8	6	ePn	03 19 43.6	0.2
			Pg	03 19 55.0	2.3
			eSn	03 20 27.8	-1.8
			eSg	03 20 43.0	-1.9
			SMN	$M_L = 3.3$	0.6 0.060
			SME		0.6 0.070

1985 5 9

O = 05 43 24.7 ± 0.11s
 LAT = 1.39 S ± 2.98km
 LONG = 67.73 E ± 2.03km
 DEPTH = 10 km ± 0.30km
 STATIONS USED = 75, STAND DEV = 1.60s

$M_s = 5.5 / 24,$ $m_B = 5.8 / 5$

LSA	38.2	34	-P	05 50 47.7	0.8
			LE	$M_s = 5.5$	15.0 3.26
KSH	41.3	10	P	05 51 14.0	1.0
			ePP	05 52 48.0	-3.0
			eS	05 57 29.0	1.3
			LE	$M_s = 5.8$	9.0 3.60
KMI	42.9	50	eP	05 51 26.0	-0.2
			pP	05 51 31.0	-0.5
			S	05 57 55.0	5.1
			LN	$M_s = 5.7$	10.0 2.90
QZN	46.1	62	eP	05 51 49.0	-2.1
			eS	05 58 33.0	-3.2
			SMN		14.0 1.60
			SME		14.0 1.60
			LN	$M_s = 5.2$	15.0 1.00
			LE		17.0 1.00
GYA	46.6	51	P	05 51 55.4	-0.4
			S	05 58 45.0	1.6
			SMN	$m_B = 5.8$	6.0 0.90
			LN	$M_s = 5.5$	17.0 2.60
CD2	47.0	44	eP	05 51 56.6	-1.5
			S	05 58 46.0	-1.7
			LZ	$M_s = 5.6$	30.0 5.70
WMQ	48.4	19	eP	05 52 10.4	0.6
			PcP	05 53 36.4	0.8
			ePP	05 54 05.0	3.9
			eS	05 59 10.5	0.7
			SME		24.0 2.07
			LN	$M_s = 5.6$	14.0 2.87
GTA	50.1	32	eP	05 52 23.9	1.0
			eS	05 59 25.0	-8.7
			LN	$M_s = 5.4$	14.0 1.71
LZH	50.2	38	eP	05 52 27.0	3.5
			PMZ		2.5 0.12
			eS	05 59 38.0	3.3
			LE	$M_s = 5.5$	13.0 1.84
GZH	50.6	58	eP	05 52 25.0	-1.4
			S	05 59 44.0	5.1
			SMN		13.0 1.33
			SME		13.0 1.01
			LN	$M_s = 5.5$	16.0 1.42
			LE		16.0 1.64
XAN	52.3	44	P	05 52 37.5	-1.9
			eS	05 59 56.0	-7.6

O = 11 52 51.7 ± 0.07s
LAT = 25.40 S ± 1.48km
LONG = 177.32 W ± 1.51km
DEPTH = 167 km ± 0.81km
STATIONS USED = 29, STAND DEV = 1.18s

NJ2	83.5	310	eP	12 05 04.0	1.3
WHN	85.8	306	eP	12 05 15.5	1.1
CN2	86.5	322	-P	12 05 16.7	-1.1
TIA	87.0	313	eP	12 05 19.4	-0.8
GYA	89.6	300	eP	12 05 34.2	1.7
BJI	89.8	315	eP	12 05 32.0	-1.2
TIY	91.0	312	P	12 05 39.0	0.0
KMI	92.1	297	eP	12 05 45.5	1.2
HHC	93.2	314	eP	12 05 49.0	-0.2
CD2	93.9	302	eP	12 05 53.3	0.9

1985 5 9
O = 14 56 18.5 ± 0.17s
LAT = 30.87 S ± 3.64km
LONG = 179.36 W ± 4.75km
DEPTH = 11 km ± 1.13km
STATIONS USED = 14, STAND DEV = 3.90s

TIA	89.4	314	eP	15 09 21.2	3.4
CN2	89.8	324	eP	15 09 21.0	1.5
GYA	90.8	300	eP	15 09 26.2	2.1
BJI	92.4	316	eP	15 09 35.5	3.9
KMI	93.0	297	eP	15 09 39.5	5.1

1985 5 9
O = 18 22 48.0 ± 0.05s
LAT = 2.33 N ± 0.78km
LONG = 126.69 E ± 1.28km
DEPTH = 32 km ± 0.03km
STATIONS USED = 85, STAND DEV = 0.89s
M_s = 4.9 / 16, m_B = 5.6 / 3

QZN	23.4	316	-P	18 27 55.0	-0.1
			PP	18 28 25.0	-1.5
			S	18 32 03.5	1.7
			SMN	m _B = 5.6	11.0 1.10
			SME		10.0 1.40
			LE	M _s = 4.5	13.0 0.70
QZH	23.8	342	eP	18 27 59.0	0.0
			S	18 32 10.0	1.1
			eSS	18 33 00.0	0.9
			LN	M _s = 5.2	26.0 6.05
			LE		26.0 3.79
GZH	24.4	329	-iP	18 28 06.2	1.8
			S	18 32 20.0	1.5
			SMN	m _B = 5.7	8.0 1.32
			SME		8.0 0.86

SSE	29.1	350	eP	18 28 48.0	0.0
			eS	18 33 36.0	-0.4
			LE	M _s = 4.9	24.0 2.11
WHN	30.4	339	eP	18 29 00.0	0.2
			LE	M _s = 4.8	20.0 1.45
NJ2	30.5	347	eP	18 29 01.0	0.6
			eS	18 33 58.0	-0.5
			LZ	M _s = 4.8	22.0 1.40
GYA	30.7	323	P	18 29 04.0	1.0
			PP	18 30 10.0	6.3
			S	18 34 00.0	-1.9
			LN	M _s = 4.9	16.0 1.40
KMI	32.3	317	-P	18 29 16.5	-0.7
			S	18 34 27.5	0.4
			LE	M _s = 4.8	16.0 0.94
TIA	34.9	346	eP	18 29 39.0	0.4
			S	18 35 04.0	-2.0
			SMN	m _B = 5.2	10.0 0.53
			LN	M _s = 4.6	11.0 0.34
			LZ	M _s = 4.8	11.0 0.59
XAN	35.6	334	P	18 29 44.0	-1.4
			S	18 35 13.5	-4.7
CD2	35.8	325	eP	18 29 46.4	0.1
			PMZ		1.2 0.090
			S	18 35 17.0	-2.8
			LN	M _s = 5.0	26.0 2.00
DL2	36.7	353	-P	18 29 55.0	0.8
			iS	18 35 35.0	-0.3
			LN	M _s = 5.0	15.0 1.07
TIY	37.6	341	eP	18 30 01.5	-0.2
BJI	38.7	347	eP	18 30 11.0	-0.2
			LN	M _s = 4.6	15.0 0.40
SNY	39.4	356	+iP	18 30 18.0	1.0
			S	18 36 15.0	-0.8
			eSS	18 39 07.0	3.6
			LN	M _s = 5.0	27.0 1.64
			LE		28.0 1.40
LZH	39.7	331	eP	18 30 19.5	0.1
			PMZ		2.0 0.17
			eS	18 36 18.0	-3.1
			eScS	18 40 23.0	1.3
HHC	40.7	342	eP	18 30 28.0	0.2
BTO	41.0	341	eP	18 30 30.5	0.5
			eS	18 36 40.0	-0.2
CN2	41.3	359	+P	18 30 32.6	-0.1
			ePP	18 32 09.0	-2.3
			eS	18 36 45.0	0.1
			SS	18 39 48.0	3.9
			LE	M _s = 4.9	13.0 0.70
MDJ	42.2	3	eP	18 30 39.5	-0.4

PS	19 32 11.0			
ScS	19 33 40.5	1.2		
LN	Ms=6.2	15.0	7.01	
LE		15.0	5.26	
GYA	58.3 274 P	19 24 01.0	-0.5	
	S	19 32 01.0	1.9	
KMI	61.7 276 eP	19 24 24.0	-1.0	
QZN	61.8 265 eP	19 24 24.6	-0.3	
LSA	65.6 287 +P	19 24 51.2	0.9	
KSH	66.9 305 eP	19 24 59.0	0.2	

1985 5 9
 O=19 26 45.4 ± 0.08s
 LAT= 2.07 N ± 1.13km
 LONG=126.68 E ± 2.08km
 DEPTH= 29 km ± 0.32km
 STATIONS USED = 33, STAND DEV= 1.65s

QZN	23.6 317 eP	19 31 54.6	-0.1	
GZH	24.6 329 eP	19 32 04.8	0.5	
WHN	30.6 339 eP	19 33 00.0	0.4	
GYA	30.9 323 eP	19 33 06.0	3.4	
KMI	32.5 317 eP	19 33 15.0	-1.6	
CD2	36.0 325 P	19 33 44.0	-1.9	
DL2	36.9 353 eP	19 33 54.8	0.7	
BJI	39.0 347 P	19 34 10.0	-1.1	
SNY	39.7 356 eP	19 34 17.1	0.2	
LSA	43.5 313 +P	19 34 48.5	-0.4	
WMQ	54.1 326 P	19 36 10.0	-0.1	

1985 5 9
 O=19 27 57.4 ± 0.22s
 LAT=51.48 N ± 3.46km
 LONG=177.76 E ± 1.65km
 DEPTH= 38 km ± 0.64km
 STATIONS USED = 20, STAND DEV= 2.04s

SSE	45.8 266 -P	19 36 20.0	1.9	
NJ2	46.7 269 -P	19 36 25.0	0.5	
WHN	50.5 271 P	19 36 54.5	0.2	
GTA	53.5 290 P	19 37 18.4	1.3	
CD2	56.8 279 P	19 37 41.7	0.6	
WMQ	57.5 301 P	19 37 46.3	0.7	
GYA	58.2 273 eP	19 37 51.4	0.9	

1985 5 9
 O=20 16 22.2 ± 0.10s
 LAT=42.67 N ± 0.94km
 LONG= 86.27 E ± 0.88km
 DEPTH= 4 km ± 0.35km
 STATIONS USED = 8, STAND DEV= 2.65s
 M_L=3.3/ 8,

WMQ	1.5 42 -iPg	20 16 51.9	2.3	
	Sg	20 17 13.4	2.8	
GTA	10.7 103 eP	20 18 56.6	-3.6	
	LG ₁	20 21 59.1	-0.3	

1985 5 10
 O=01 43 55.3 ± 0.10s
 LAT=31.60 N ± 0.97km
 LONG=116.44 E ± 1.08km
 DEPTH= 6 km ± 0.23km
 STATIONS USED = 24, STAND DEV= 2.80s
 Ms=4.1/ 2, M_L=4.0/ 24,

WHN	2.1 240 Pn	01 44 33.0	2.0	
	Sn	01 44 59.1	0.0	
	iSg	01 45 04.3	3.8	
	SMN	M _L =4.2	0.4	2.18
	SME		0.4	1.75
NJ2	2.1 77 +iPg	01 44 33.3	0.9	
	iSg	01 44 58.6	-2.5	
	SMN	M _L =4.4	0.1	2.00
	SME		0.2	3.20
SSE	4.1 96 Pn	01 44 59.0	0.4	
	Pg	01 45 09.0	1.5	
	Sg	01 46 01.8	-1.6	
	SMN	M _L =3.7	0.8	0.15
	SMZ	M _L =3.9	0.8	0.16
TIA	4.6 7 Pn	01 45 07.2	1.1	
	Pg	01 45 20.6	3.5	
	Sg	01 46 18.5	-2.0	
	SMN	M _L =3.7	0.8	0.090
	SME		0.8	0.12
	SMZ	M _L =3.9	0.7	0.12
XAN	6.8 293 Pn	01 45 37.6	1.9	
	Pg	01 46 02.2	7.2	
	Sn	01 46 55.0	-0.5	
	Sg	01 47 33.6	5.8	
	SMN	M _L =4.1	0.6	0.10
	SME		0.6	0.10
QZH	6.9 164 ePn	01 45 39.6	2.4	
	LE	Ms=4.0	7.0	0.80
CD2	10.9 270 P	01 46 29.6	-5.3	
	LG ₂	01 49 49.0	-5.3	
	LE	Ms=4.3	6.0	0.69

1985 5 10
 O=04 28 37.8 ± 0.14s
 LAT=43.37 N ± 0.50km
 LONG=142.24 E ± 1.19km
 DEPTH=189 km ± 1.12km
 STATIONS USED = 46, STAND DEV= 1.18s

May, 1985

MDJ	9.2	282	-iP	04 30 47.0	-0.9
CN2	12.2	278	-P	04 31 24.8	-1.7
SNY	13.8	270	+P	04 31 47.3	0.0
DL2	16.1	261	+P	04 32 15.6	-0.3
BJI	19.7	269	eP	04 32 54.0	-0.9
TIA	20.5	258	eP	04 33 01.8	-1.4
HHC	22.8	274	eP	04 33 25.6	-0.2
BTO	24.0	274	eP	04 33 38.7	1.5
WHN	25.6	249	eP	04 33 53.0	1.6
XAN	27.5	261	eP	04 34 09.3	0.5
GTA	31.8	278	P	04 34 47.5	0.1
CD2	32.8	261	eP	04 34 56.6	0.7
GYA	33.4	251	P	04 35 02.8	1.9
WMQ	38.9	290	P	04 35 47.6	0.5

1985 5 10

O = 04 30 08.8 ± 0.06s
 LAT = 7.18 S ± 0.84km
 LONG = 129.21 E ± 1.24km
 DEPTH = 112 km ± 0.24km

STATIONS USED = 51, STAND DEV = 1.14s

QZN	32.3	324	eP	04 36 29.6	0.2
SSE	38.8	349	eP	04 37 25.4	0.7
WHN	40.1	340	eP	04 37 36.5	1.0
			sP	04 38 10.0	-4.1
NJ2	40.2	346	+P	04 37 37.4	1.0
			ScP	04 43 13.8	-1.9
CD2	45.0	329	eP	04 38 15.4	-0.1
XAN	45.3	336	P	04 38 16.3	-1.1
DL2	46.4	352	eP	04 38 26.0	-0.1
TIY	47.3	342	P	04 38 33.0	-0.6
BJI	48.5	347	eP	04 38 42.0	-0.6
LZH	49.2	333	eP	04 38 48.5	0.3
HHC	50.5	343	eP	04 38 57.6	-0.3
CN2	50.9	356	eP	04 39 00.0	-0.6
LSA	51.8	317	+P	04 39 08.4	0.3
			eS	04 46 16.8	-4.0
GTA	53.8	332	P	04 39 22.3	-0.1
WMQ	63.1	327	P	04 40 26.6	-0.9
			PcS	04 45 07.0	2.1
			S	04 48 46.2	-0.8
			SME		2.5 0.050
			ScS	04 50 03.0	-1.8
KSH	67.6	318	eP	04 40 57.0	0.8

1985 5 10

O = 13 53 29.5 ± 0.03s
 LAT = 25.82 N ± 0.28km
 LONG = 102.79 E ± 0.29km
 DEPTH = 4 km ± 0.12km

STATIONS USED = 5, STAND DEV = 2.72s
 $M_L = 2.7 / 4,$

KMI	0.7	185	-Pg	13 53 41.8	-0.4
			Sg	13 53 52.5	1.1
			SMN	$M_L = 3.9$	1.0 3.51
			SME		1.0 4.65
CD2	5.1	9	ePn	13 54 49.8	2.2

1985 5 10

O = 15 35 50.0 ± 0.08s
 LAT = 5.56 S ± 1.12km
 LONG = 151.09 E ± 1.34km
 DEPTH = 26 km ± 0.15km
 STATIONS USED = 106, STAND DEV = 1.09s
 $M_s = 7.0 / 25,$ $m_B = 6.9 / 25$

QZH	43.8	315	+iP	15 43 57.0	1.1
			iS	15 50 31.0	6.2
			SME	$m_B = 7.2$	11.0 44.7
			LN	$M_s = 7.1$	17.0 138
SSE	46.3	324	+iP	15 44 16.0	0.1
			PMZ	$m_B = 6.5$	6.0 4.48
			PcP	15 45 48.5	-2.2
			PP	15 46 08.0	3.8
			PcS	15 49 42.0	-2.0
			S	15 51 04.0	4.1
			SS	15 54 13.0	-5.2
			LE	$M_s = 6.9$	14.0 58.2
GZH	46.6	309	+iP	15 44 20.0	1.9
			PMZ	$m_B = 6.9$	7.0 11.5
			PP	15 46 16.0	9.0
			iS	15 51 10.0	5.2
			SME		13.0 90.6
			LN	$M_s = 7.0$	16.0 56.7
			LE		16.0 57.6
QZN	47.4	302	+iP	15 44 25.5	0.9
			PMZ	$m_B = 6.7$	7.5 7.60
			PcP	15 45 50.0	-4.6
			iS	15 51 14.0	-2.5
			SS	15 54 36.5	-0.4
			LN	$M_s = 6.5$	16.0 23.6
NJ2	48.4	323	+iP	15 44 34.0	1.8
			PP	15 46 27.5	3.9
			iS	15 51 39.5	9.2
			LE	$M_s = 7.1$	18.0 121
WHN	50.2	318	+P	15 44 47.8	1.3
			PMZ	$m_B = 6.9$	7.0 11.6
			S	15 51 58.0	2.8
			SMN		13.0 29.6
			PS	15 52 12.0	
			LE	$M_s = 6.7$	20.0 53.2

		LE		Ms = 6.9	16.0	48.9			pP	18 23 09.0	-2.0		
GTA	65.1	318	P	15 46 31.3	0.1				S	18 29 35.0	7.0		
			S	15 55 11.5	2.1				SMN		m _B = 5.9	10.0	1.50
			SME		m _B = 7.0	10.5	17.0		SME			10.0	1.50
			LE		Ms = 6.9	15.0	37.7		LN		Ms = 5.9	18.0	5.68
LSA	67.3	305	+P	15 46 44.8	-0.8				LE			19.0	6.02
			S	15 55 35.5	-0.6			SSE	46.2	324	eP	18 23 22.5	0.6
			iPS	15 56 10.0					PP			18 25 12.5	2.5
			LN		Ms = 6.7	19.0	26.0		S			18 30 12.0	7.4
WMQ	75.2	318	+iP	15 47 32.0	-0.7				LN		Ms = 5.6	16.0	3.86
			PcP	15 47 47.0	1.6			GZH	46.4	309	eP	18 23 25.0	1.4
			S	15 57 10.0	2.8				SMN			14.0	5.69
			SME		m _B = 6.9	3.8	3.67		SME			14.0	3.93
			ScS	15 57 38.0	-0.8				LN		Ms = 5.9	20.0	7.26
			SS	16 02 06.0	7.2				LE			20.0	5.83
			LN		Ms = 7.1	40.0	128	QZN	47.2	302	eP	18 23 34.2	4.4
KSH	82.1	311	+iP	15 48 12.0	1.2				LN		Ms = 5.7	17.0	2.70
			ePP	15 51 27.0	7.2				LE			17.0	3.70
			eS	15 58 25.0	1.7			NJ2	48.3	323	+P	18 23 38.5	0.4
									S			18 30 33.0	-0.9
									isS			18 30 44.0	-6.7
									SME			12.5	5.50
									LE		Ms = 5.7	16.5	4.70
								WHN	50.1	318	-P	18 23 52.0	-0.3
									pP			18 23 58.0	-3.7
									eS			18 31 00.0	-0.6
									PS			18 31 11.0	
									SME		m _B = 6.1	12.0	3.10
									LN		Ms = 5.7	20.0	4.56
								DL2	51.9	331	eP	18 24 05.0	-0.8
									eS			18 31 25.0	-0.3
									LN		Ms = 5.6	15.0	2.56
									LE			15.0	1.20
								TIA	52.2	325	eP	18 24 07.0	-1.4
								GYA	53.4	309	P	18 24 19.0	2.2
									S			18 31 53.0	9.1
								MDJ	53.5	341	eP	18 24 17.9	-0.1
								CN2	54.3	338	eP	18 24 24.0	0.5
									eS			18 31 57.0	-0.5
									LE		Ms = 6.0	17.0	6.50
								BJI	55.5	328	eP	18 24 32.5	0.0
									S			18 32 14.0	1.0
									SMN			14.0	3.57
									SME			13.0	1.87
									LN		Ms = 5.7	16.0	2.96
									LE			18.0	2.00
									LZ		Ms = 5.9	18.0	5.66
								KMI	55.8	305	eP	18 24 32.5	-2.5
									eS			18 32 19.0	0.1
								XAN	55.9	318	P	18 24 33.4	-1.8

1985 5 10

O = 15 59 00.3 ± 0.11s

LAT = 5.63 S ± 1.58km

LONG = 151.05 E ± 1.57km

DEPTH = 34 km ± 0.50km

STATIONS USED = 36, STAND DEV = 1.90s

QZH	43.8	315	eP	16 07 05.0	-0.2
SSE	46.3	324	eP	16 07 27.6	2.3
GZH	46.6	309	eP	16 07 28.0	0.7
QZN	47.4	302	eP	16 07 31.0	-2.7
NJ2	48.4	323	eP	16 07 42.6	1.0
DL2	52.0	331	eP	16 08 09.2	0.2
SNY	53.5	335	eP	16 08 24.2	4.3
CN2	54.4	337	eP	16 08 29.4	2.9
BJI	55.6	328	eP	16 08 36.5	0.8
XAN	56.0	318	-P	16 08 37.0	-1.7
TIY	56.1	323	eP	16 08 41.0	1.7
CD2	58.0	312	P	16 08 51.3	-1.1
HHC	58.7	326	eP	16 08 57.0	-0.7
GTA	65.1	318	eP	16 09 40.4	-0.1
LSA	67.3	305	eP	16 09 55.0	0.3

1985 5 10

O = 18 14 57.8 ± 0.11s

LAT = 5.63 S ± 1.68km

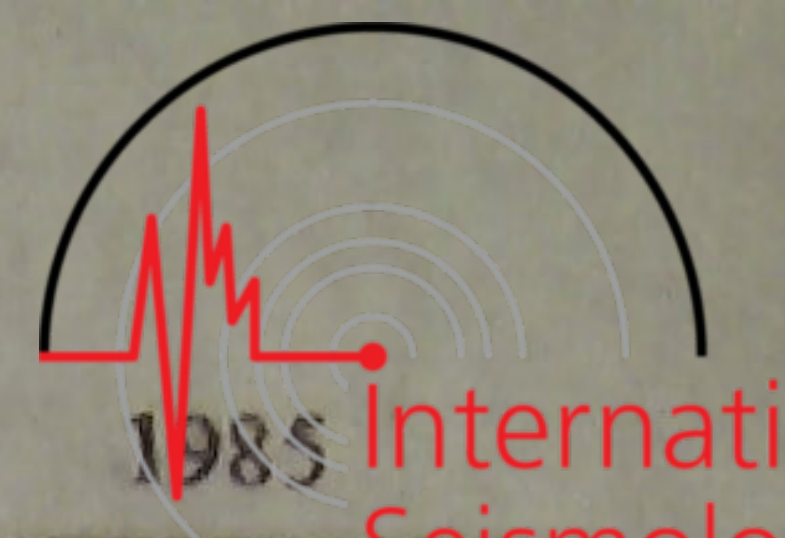
LONG = 150.82 E ± 2.25km

DEPTH = 33 km ± 0.18km

STATIONS USED = 80, STAND DEV = 1.66s

Ms = 5.7 / 15, m_B = 6.0 / 3

QZH	43.7	315	eP	18 23 02.0	0.5
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			S	18 32 12.0	-6.0		
			SMN	$m_B = 6.0$	12.0	1.19	
			SME		12.0	2.06	
			LN	$M_s = 5.7$	17.0	3.21	
TIY	56.0	324	eP	18 24 35.0	-1.0		
			LN	$M_s = 5.9$	16.0	3.50	
			LE		18.0	4.29	
CD2	57.8	312	eP	18 24 47.8	-1.0		
			LE	$M_s = 5.8$	15.0	3.30	
HHC	58.6	326	eP	18 24 55.0	0.5		
BTO	59.3	325	eP	18 25 00.0	0.6		
LZH	60.5	317	eP	18 25 06.5	-1.0		
			PMZ		2.0	0.14	
GTA	64.9	318	eP	18 25 35.5	-1.6		
			SME		13.0	2.11	
			LE	$M_s = 5.8$	19.0	3.58	
LSA	67.1	305	eP	18 25 52.8	1.6		
WMQ	75.0	318	eP	18 26 39.0	0.4		
			PcP	18 26 51.5	-0.1		
			ePP	18 29 27.0	-0.9		
			S	18 36 19.5	7.6		
			LZ	$M_s = 5.7$	28.0	3.49	
KSH	82.0	311	eP	18 27 20.0	3.3		

1985 5 10

O = 18 38 07.4 ± 0.15s

LAT = 5.58 S ± 1.68km

LONG = 151.06 E ± 1.71km

DEPTH = 52 km ± 0.79km

STATIONS USED = 31, STAND DEV = 2.30s

$M_s = 5.6 / 1,$

QZH	43.8	315	eP	18 46 11.5	1.2		
NJ2	48.4	323	eP	18 46 43.0	-3.6		
WHN	50.2	318	eP	18 47 02.0	1.1		
TIA	52.3	325	eP	18 47 16.8	0.0		
BJI	55.6	328	eP	18 47 40.0	-0.7		
KMI	56.0	305	eP	18 47 41.5	-2.4		
XAN	56.0	318	P	18 47 43.2	-0.5		
CD2	57.9	312	eP	18 47 57.2	-0.3		
HHC	58.7	326	eP	18 48 03.6	0.9		
WMQ	75.1	318	eP	18 49 49.0	2.2		
			sP	18 50 07.0	1.4		
			PP	18 52 38.5	2.1		
			S	18 59 20.0	1.4		
			LN	$M_s = 5.6$	19.0	1.71	

1985 5 10

O = 20 56 13.3 ± 0.11s

LAT = 5.57 S ± 1.03km

LONG = 150.93 E ± 1.35km

				DEPTH = 42 km ± 0.47km			
				STATIONS USED = 47,	STAND DEV = 1.41s		
					$m_B = 5.8 / 2$		
QZH	43.7	315	eP	21 04 17.0	0.6		
			PMZ		$m_B = 5.8$	4.0	0.55
SSE	46.2	324	eP	21 04 36.8	0.1		
			S	21 11 26.0	7.6		
NJ2	48.3	323	-iP	21 04 54.0	1.1		
			PMZ		$m_B = 5.9$	4.0	0.60
			S	21 11 47.0	-0.8		
WHN	50.1	318	+P	21 05 08.5	1.4		
TIA	52.3	325	eP	21 05 22.5	-0.6		
GYA	53.4	309	eP	21 05 34.0	2.2		
CN2	54.3	337	eP	21 05 38.8	0.8		
BJI	55.5	328	eP	21 05 46.5	-0.6		
XAN	55.9	318	+P	21 05 50.2	0.2		
TIY	56.0	323	P	21 05 50.0	-0.7		
CD2	57.8	312	P	21 06 04.1	0.4		
HHC	58.6	326	+P	21 06 08.7	-0.4		
BTO	59.3	325	eP	21 06 14.0	-0.1		
LZH	60.5	317	eP	21 06 22.0	-0.3		
GTA	65.0	318	P	21 06 51.6	-0.3		
WMQ	75.1	318	P	21 07 52.4	-0.9		
			PcP	21 08 08.0	2.0		
			PP	21 10 40.0	-2.6		
			S	21 17 24.0	-1.7		

1985 5 10

O = 23 45 28.7 ± 0.04s

LAT = 43.35 N ± 0.85km

LONG = 20.91 E ± 0.66km

DEPTH = 17 km ± 0.11km

STATIONS USED = 34, STAND DEV = 0.83s

KSH	40.9	76	eP	23 53 14.0	1.9		
WMQ	47.2	65	P	23 54 03.5	0.7		
			PP	23 55 56.0	3.5		
LSA	56.5	79	P	23 55 13.5	-0.1		
GTA	57.2	65	P	23 55 18.5	0.1		
			PcP	23 56 13.6	2.1		
LZH	61.7	66	-P	23 55 50.0	0.6		
			PMZ		1.5	0.080	
XAN	66.3	65	+iP	23 56 19.1	0.0		
KMI	67.5	76	eP	23 56 26.5	-0.5		
GYA	69.4	73	P	23 56 38.6	-0.2		
CN2	70.2	48	-P	23 56 42.6	-0.7		
TIA	70.2	59	eP	23 56 42.7	-0.9		
NJ2	74.0	61	+P	23 57 07.0	0.9		
			eS	24 06 38.0	1.0		

1985 5 11

May, 1985

O = 01 27 27.7 ± 0.11s
 LAT = 6.83 S ± 1.36km
 LONG = 117.17 E ± 1.89km
 DEPTH = 34 km ± 0.29km
 STATIONS USED = 32, STAND DEV = 1.30s

QZN	26.7	344	eP	01 33 04.0	-2.0
GYA	34.6	343	P	01 34 17.6	1.3
KMI	34.7	337	eP	01 34 18.5	1.2
NJ2	38.7	2	eP	01 34 51.0	0.6
CD2	39.7	342	eP	01 34 58.6	0.0
XAN	41.4	350	eP	01 35 08.2	-4.7
LZH	44.5	345	eP	01 35 38.5	0.3
BJI	46.6	359	eP	01 35 55.0	-0.1
BTO	47.6	353	eP	01 36 03.4	0.2
GTA	48.7	342	P	01 36 12.5	0.8
WMQ	57.0	335	P	01 37 13.2	-0.1
KSH	59.8	324	eP	01 37 33.0	0.6

1985 5 11
 O = 01 32 12.2 ± 0.09s
 LAT = 5.57 S ± 1.50km
 LONG = 150.86 E ± 1.56km
 DEPTH = 32 km ± 0.22km
 STATIONS USED = 22, STAND DEV = 2.10s

NJ2	48.3	323	eP	01 40 53.0	0.5
WHN	50.1	318	eP	01 41 07.5	0.8
TIA	52.2	325	eP	01 41 22.0	-0.7
KMI	55.8	305	eP	01 41 50.0	0.5
XAN	55.9	318	eP	01 41 49.7	0.1
CD2	57.8	312	eP	01 42 00.6	-2.7
LZH	60.5	317	eP	01 42 21.5	-0.4

1985 5 11
 O = 10 16 41.1 ± 0.06s
 LAT = 5.49 S ± 0.94km
 LONG = 152.82 E ± 1.55km
 DEPTH = 32 km ± 0.28km
 STATIONS USED = 35, STAND DEV = 1.26s

QZH	45.0	314	eP	10 24 56.5	0.9
QZN	48.8	301	eP	10 25 26.3	0.4
WHN	51.4	317	eP	10 25 45.0	-0.2
GYA	54.8	308	eP	10 26 11.4	0.3
XAN	57.1	317	eP	10 26 26.2	-1.4
KMI	57.4	304	eP	10 26 29.5	-0.1
GTA	66.2	317	P	10 27 28.6	0.1
WMQ	76.3	317	eP	10 28 29.0	-0.1
KSH	83.4	311	eP	10 29 10.0	2.6

1985 5 11
 O = 10 33 35.4 ± 0.04s

LAT = 27.13 N ± 0.38km
 LONG = 102.63 E ± 0.29km
 DEPTH = 6 km ± 0.13km
 STATIONS USED = 5, STAND DEV = 2.33s
 M_L = 2.9 / 6,

GYA	3.7	100	ePn	10 34 35.0	1.9
			Sg	10 35 34.0	3.8
			SMN	M _L = 2.7	1.0 0.020
			SME		1.0 0.020
CD2	3.9	14	Pn	10 34 36.2	0.1
			Pg	10 34 46.6	2.5
			Sg	10 35 36.8	-0.4
			SMN	M _L = 3.2	1.0 0.090
			SME		0.6 0.030

1985 5 11
 O = 10 40 38.0 ± 0.09s
 LAT = 37.13 N ± 1.91km
 LONG = 141.35 E ± 1.66km
 DEPTH = 51 km ± 0.76km
 STATIONS USED = 97, STAND DEV = 1.81s
 M_s = 4.6 / 19,

MDJ	11.6	314	eP	10 43 22.3	-1.7
CN2	13.8	304	+P	10 43 53.0	-0.1
			pP	10 44 02.6	0.6
			S	10 46 27.0	2.5
			LE	M _s = 4.5	15.0 2.10
SNY	14.5	294	eP	10 44 03.2	1.1
			S	10 46 42.0	1.1
			LE	M _s = 4.5	13.0 1.51
DL2	15.6	283	eP	10 44 18.9	2.0
			eS	10 47 14.0	5.9
			LE	M _s = 4.5	18.0 1.99
SSE	17.7	256	+cP	10 44 42.0	-1.1
			eS	10 47 54.0	-2.0
			LE	M _s = 4.6	20.0 2.31
			LZ	M _s = 4.8	20.0 3.49
NJ2	19.2	261	-P	10 44 59.0	-1.5
			S	10 48 33.0	5.1
			LZ	M _s = 4.4	20.0 1.30
TIA	19.4	275	eP	10 45 00.1	-3.3
			eS	10 48 37.5	3.2
			SS	10 49 04.9	3.7
			LN	M _s = 4.5	14.0 0.59
			LE		14.0 0.81
			LZ	M _s = 4.6	14.0 1.39
BJI	19.9	286	eP	10 45 06.0	-2.0
			eS	10 48 44.0	0.3
			LN	M _s = 4.4	12.0 0.69
			LE		12.0 0.23

QZH	22.9	244	eP	10 45 37.0	-1.7		
			S	10 49 38.0	-1.6		
			LN	Ms=4.2	12.0	0.31	
TIY	22.9	280	-P	10 45 37.5	-1.6		
			PMZ		0.8	0.050	
			S	10 49 41.0	0.9		
			LN	Ms=4.7	15.5	0.74	
			LE		17.5	1.15	
WHN	23.3	262	eP	10 45 42.5	-0.2		
			pP	10 45 53.0	-1.6		
			S	10 49 49.0	2.0		
			ScS	10 56 50.0	3.5		
			LN	Ms=4.7	13.0	0.59	
			LE		12.0	0.78	
HHC	23.4	288	P	10 45 42.6	-0.9		
BTO	24.6	288	eP	10 45 55.3	0.3		
			PP	10 46 31.0	0.0		
			eS	10 50 09.0	-0.5		
			LN	Ms=4.7	16.0	1.00	
			LE		16.0	0.80	
			LZ	Ms=4.7	16.0	1.30	
XAN	26.5	273	-iP	10 46 12.9	0.0		
			pP	10 46 24.0	-0.8		
			sP	10 46 29.0	-1.4		
			eS	10 50 44.0	3.0		
			LN	Ms=4.7	15.0	1.14	
GZH	27.9	248	+P	10 46 26.5	1.2		
			eS	10 51 06.0	2.9		
LZH	30.0	279	eP	10 46 44.5	-0.2		
			PMZ		1.5	0.12	
			LE	Ms=4.9	17.0	1.66	
GYA	31.2	260	+P	10 46 54.6	-0.5		
			pP	10 47 08.0	0.8		
			PcP	10 49 50.0	1.9		
			S	10 51 58.0	2.9		
CD2	31.6	270	eP	10 46 58.8	-0.1		
GTA	32.5	287	P	10 47 06.2	-0.3		
			PcP	10 49 53.6	1.9		
			ScP	10 53 34.4	4.8		
			eS	10 52 19.4	2.8		
			PcS	10 53 38.0	2.6		
			ScS	10 57 32.3	4.6		
			LN	Ms=4.6	14.5	0.53	
QZN	32.9	245	eP	10 47 11.5	1.4		
			S	10 52 30.0	7.8		
KMI	34.9	261	+P	10 47 27.5	-0.1		
			pP	10 47 39.0	-0.9		
			eS	10 52 54.0	-0.6		
			LZ	Ms=4.9	28.0	1.79	
WMQ	40.8	297	+iP	10 48 17.6	1.3		

			pP	10 48 29.0	0.3		
			sP	10 48 35.0	0.7		
			PP	10 49 59.0	5.6		
			ScP	10 54 04.5	4.4		
			eS	10 54 28.5	5.6		
			LZ	Ms=4.7	20.0	0.74	
LSA	42.2	275	+P	10 48 29.6	1.5		
KSH	50.3	294	+iP	10 49 34.0	1.5		

1985 5 11
 O=11 57 41.2 ± 0.05s
 LAT=33.96 N ± 0.76km
 LONG=137.04 E ± 0.83km
 DEPTH=345 km ± 0.70km
 STATIONS USED = 52, STAND DEV = 0.96s

MDJ	12.1	334	eP	12 00 25.7	0.2		
SNY	13.2	310	-iP	12 00 38.6	-0.1		
CN2	13.3	321	+P	12 00 39.4	-0.7		
DL2	13.4	296	+P	12 00 39.6	-0.8		
SSE	13.7	262	-P	12 00 45.0	0.8		
NJ2	15.4	268	+P	12 01 02.6	-0.2		
TIA	16.5	283	eP	12 01 14.0	-0.2		
BJI	17.7	296	eP	12 01 26.0	-1.1		
QZH	18.4	246	eP	12 01 33.0	-0.9		
WHN	19.5	266	-P	12 01 46.0	1.2		
TIY	20.3	288	eP	12 01 53.2	0.5		
HHC	21.3	296	P	12 02 04.9	2.0		
XAN	23.3	278	-P	12 02 21.0	-0.2		
GYA	27.2	262	P	12 02 56.6	-0.4		
CD2	28.2	273	eP	12 03 05.0	-0.5		
GTA	30.2	291	P	12 03 23.1	-0.1		

1985 5 11
 O=20 18 37.5 ± 0.07s
 LAT=42.33' N ± 1.74km
 LONG=143.05 E ± 1.40km
 DEPTH=65 km ± 0.76km
 STATIONS USED = 84, STAND DEV = 1.46s

Ms=4.7 / 19, m_B=5.1 / 2

MDJ	10.0	288	eP	20 21 03.1	1.5		
CN2	13.0	282	-P	20 21 41.2	0.5		
			S	20 24 08.0	4.6		
			LE	Ms=4.7	13.0	2.90	
SNY	14.5	275	-iP	20 22 01.6	1.2		
			S	20 24 39.0	-0.3		
			LN	Ms=4.2	16.0	1.06	
DL2	16.6	265	+P	20 22 29.0	1.3		
			sP	20 22 53.0	4.7		
			eS	20 25 32.0	2.5		
			LN	Ms=4.5	14.0	0.90	

May,

1985

1985 5 12
 O=19 48 58.9 ± 0.18s
 LAT=32.75 N ± 0.88km
 LONG=120.78 E ± 1.53km
 DEPTH= 11 km ± 0.49km
 STATIONS USED = 26, STAND DEV = 2.31s
 Ms=3.7/ 2, M_L=4.1/ 24,

SSE	1.7	168	+iPn	19 49 27.5	-1.3		
			Pg	19 49 28.6	-0.2		
			Sn	19 49 49.0	-3.2		
			Sg	19 49 50.0	-1.9		
			SMN	M _L =4.3	1.0	2.28	
			SME		1.0	3.75	
			SMZ	M _L =3.8	0.4	0.76	
NJ2	1.8	247	-iPn	19 49 30.6	0.7		
			Pg	19 49 33.0	2.7		
			Sg	19 50 00.0	5.4		
			SMN	M _L =4.2	0.5	1.80	
			SME		0.5	2.80	
TIA	4.6	320	ePn	19 50 09.0	0.4		
			Pg	19 50 25.4	5.6		
			Sg	19 51 27.6	5.0		
			SMN	M _L =4.0	1.0	0.21	
			SME		1.2	0.30	
			SMZ	M _L =4.3	1.0	0.29	
WHN	5.9	250	ePn	19 50 27.7	0.9		
			Pg	19 50 49.0	5.8		
			eSn	19 51 44.0	7.2		
			Sg	19 52 05.0	0.9		
			SMN	M _L =4.2	0.5	0.16	
			SME		0.8	0.19	
			LE	M _s =3.5	10.0	0.53	
DL2	6.2	6	ePg	19 50 50.5	2.4		
			SMN	M _L =3.8	0.6	0.050	
			SME		0.7	0.070	
BJI	8.2	334	eP	19 50 57.5	-2.9		
			eLG ₁	19 53 21.0	5.7		
			eLG ₂	19 53 30.0	1.7		
XAN	10.0	281	eP	19 51 25.2	-0.7		
			LN	M _s =3.8	12.0	0.52	
GYA	13.8	247	eP	19 52 19.6	2.5		

1985 5 12
 O=23 00 04.7 ± 0.10s
 LAT=24.37 N ± 1.64km
 LONG=122.15 E ± 1.24km
 DEPTH= 29 km ± 1.34km
 STATIONS USED = 67, STAND DEV = 1.98s
 Ms=4.4/ 14, M_L=4.5/ 10,

QZH	3.3	281	+iPn	23 00 55.0	0.2		
			Sn	23 01 30.6	-3.9		
			SMN	M _L =4.4	0.8	1.79	
			SME		0.6	0.77	
			LN	M _s =4.4	4.0	4.11	
SSE	6.8	353	+Pn	23 01 42.5	0.1		
			LG ₁	23 03 33.0	-3.9		
			eLG ₂	23 03 48.5	0.9		
			LE	M _s =4.1	8.0	1.42	
GZH	8.2	263	-iP	23 02 04.5	0.2		
			iS	23 03 30.0	-6.5		
			LN	M _s =4.8	5.0	2.80	
			LE		4.0	1.04	
NJ2	8.2	340	eP	23 02 01.6	-3.0		
			S	23 03 33.2	-3.7		
			LE	M _s =4.6	6.0	2.40	
WHN	9.3	313	eP	23 02 18.0	-1.5		
			iS	23 04 00.0	-3.8		
			LG ₁	23 04 50.0	-5.6		
			LN	M _s =5.0	6.0	4.39	
			LZ	M _s =4.8	6.0	3.23	
TIA	12.6	341	eP	23 03 08.2	3.5		
			LN	M _s =4.4	7.0	0.31	
			LE		7.0	0.73	
QZN	12.6	247	eP	23 03 06.0	0.8		
GYA	14.1	282	P	23 03 25.2	-0.5		
			S	23 06 01.0	-1.1		
			SMN		1.2	0.13	
			SME		1.2	0.10	
DL2	14.5	358	P	23 03 39.0	8.9		
XAN	15.0	313	+P	23 03 37.1	0.0		
TIY	15.7	330	eP	23 03 46.0	0.5		
			LN	M _s =4.3	11.0	0.52	
			LE		12.0	0.55	
BJI	16.4	344	eP	23 03 57.0	2.1		
			LE	M _s =4.1	9.0	0.32	
SNY	17.5	4	+P	23 04 13.8	5.9		
CD2	17.5	296	eP	23 04 09.0	-0.1		
KMI	17.6	276	eP	23 04 11.0	0.4		
HHC	18.7	334	eP	23 04 25.0	1.8		
BTO	19.1	331	eP	23 04 28.0	-0.5		
			eS	23 07 55.0	-2.3		
			LN	M _s =4.4	15.0	0.70	
			LE		15.0	0.40	
			LZ	M _s =4.5	15.0	1.00	
CN2	19.6	7	-P	23 04 33.0	-0.4		
			eS	23 08 02.0	-5.6		
			LN	M _s =4.3	12.0	0.60	
LZH	19.6	311	+P	23 04 35.0	0.8		
MDJ	21.1	15	eP	23 04 51.8	2.3		

GTA	24.1	314	P	23 05 20.4	1.2					S	03 49 24.0	1.5		
WMQ	34.2	313	P	23 06 49.5	-0.6					LN	Ms=5.8		12.0	7.73
										LE			13.0	15.6
1985 5 13														
O=03 40 56.4				± 0.09s										
LAT=16.48 N				± 1.42km										
LONG=120.92 E				± 1.72km										
DEPTH= 9 km				± 0.28km										
STATIONS USED = 89, STAND DEV = 1.59s														
Ms=5.4 / 27, m _B =5.6 / 7														
QZH	8.7	346	eP	03 43 03.3	-2.2									
			S	03 44 38.0	-6.4									
			LE	Ms=5.1		16.0	18.8							
GZH	9.7	314	+iP	03 43 16.1	-3.2									
			iS	03 45 02.5	-6.9									
			LN	Ms=5.4		12.0	17.6							
			LE			11.0	13.2							
QZN	10.9	285	-P	03 43 32.3	-3.0									
			eS	03 45 30.0	-7.9									
			LN	Ms=5.2		14.0	11.4							
			LE			17.0	7.90							
SSE	14.6	1	eP	03 44 26.0	1.3									
			eS	03 47 00.0	-7.2									
			LE	Ms=5.5		16.0	20.9							
			LZ	Ms=4.9		20.0	6.11							
WHN	15.2	338	eP	03 44 33.5	-0.1									
			PP	03 44 45.5	0.2									
			S	03 47 27.0	4.2									
			LN	Ms=5.2		13.0	4.14							
			LE			13.0	6.55							
			LZ	Ms=5.1		12.0	5.59							
NJ2	15.6	353	eP	03 44 39.6	1.0									
			LE	Ms=5.3		12.0	8.30							
GYA	16.6	309	+P	03 44 52.0	1.2									
			PMZ	m _B =5.6		5.0	1.40							
			S	03 47 52.0	-1.7									
			SMN	m _B =5.4		6.0	1.30							
			SME			6.0	1.00							
			LN	Ms=5.5		12.0	9.40							
			LE			12.0	4.40							
KMI	19.0	300	-P	03 45 23.5	1.8									
			PP	03 45 40.0	2.6									
			S	03 48 52.0	2.1									
			LN	Ms=5.6		11.0	9.50							
TIA	19.9	351	+P	03 45 31.8	0.0									
			eS	03 49 15.5	4.6									
			LN	Ms=5.4		17.5	3.64							
			LE			21.5	11.4							
XAN	20.5	331	+P	03 45 37.8	-0.4									
			PP	03 45 58.0	-0.7									
CD2	21.2	316	-iP	03 45 46.0	0.5									
			PMZ			1.2	0.21							
			LN	Ms=5.8		12.0	9.50							
			LE			12.0	9.90							
			LZ	Ms=5.6		11.0	9.30							
TIY	22.4	342	eP	03 45 58.8	1.4									
			S	03 50 07.5	9.3									
			SME	m _B =5.8		8.0	2.87							
			LE	Ms=5.6		16.0	11.5							
BJI	23.8	351	eP	03 46 12.0	1.0									
			ePP	03 46 50.0	6.3									
			eS	03 50 25.5	1.7									
			SME	m _B =5.7		11.0	3.16							
			LE	Ms=5.3		20.0	6.82							
LZH	24.7	325	-P	03 46 20.5	0.5									
			PMZ			2.5	0.42							
			eS	03 50 39.0	-0.6									
			SME	m _B =5.7		6.0	1.66							
			LN	Ms=5.8		12.0	6.69							
			LE			13.0	11.3							
SNY	25.4	5	-P	03 46 25.3	-0.4									
			PP	03 47 04.0	0.3									
			S	03 50 43.5	-5.5									
			LE	Ms=5.6		13.0	6.94							
HHC	25.6	343	eP	03 46 28.0	-0.1									
			S	03 50 54.0	1.1									
			LN	Ms=5.3		13.0	3.49							
			LE			13.0	2.36							
BTO	25.8	341	eP	03 46 29.0	-1.2									
			PP	03 47 05.0	-4.6									
			S	03 50 55.0	-1.6									
			LN	Ms=5.2		13.0	2.80							
			LZ	Ms=5.1		13.0	2.30							
CN2	27.5	7	+P	03 46 45.0	-0.5									
			PP	03 47 33.0	0.5									
			PMZ	m _B =5.3		7.0	0.40							
			S	03 51 23.0	-1.1									
			SMN	m _B =5.5		9.0	1.00							
			LN	Ms=5.5		12.0	2.90							
			LE			12.0	3.50							
MDJ	29.0	13	eP	03 46 58.1	-0.8									
			PP	03 47 51.0	-0.9									
			S	03 51 48.1	0.2									
			SS	03 53 19.9	3.9									
			LZ	Ms=5.3		20.0	5.13							
GTA	29.3	325	P	03 47 02.0	-0.3									
			LE	Ms=5.5		12.0	4.79							

May,

1985

LSA	30.3	301	+P	03 47 11.0	0.1		
			eS	03 52 06.0	-4.2		
			LN	Ms=5.0	14.0	1.48	
WMQ	39.2	321	eP	03 48 28.0	1.3		
			PP	03 50 02.5	2.6		
			S	03 54 27.0	1.4		
			ScS	03 58 31.5	-1.7		
			LN	Ms=5.9	13.0	7.79	
KSH	45.2	310	eP	03 49 17.0	0.5		
			eS	03 55 56.0	-0.4		
			LE	Ms=5.8	13.0	4.30	

1985 5 13

O=07 00 08.1 ± 0.06s
 LAT= 0.35 N ± 1.04km
 LONG= 98.71 E ± 1.08km
 DEPTH= 64 km ± 1.01km

STATIONS USED = 50, STAND DEV = 0.92s

QZN	21.5	30	eP	07 04 55.4	1.4		
GYA	27.1	16	P	07 05 46.8	-0.2		
LSA	30.1	347	P	07 06 14.5	0.2		
CD2	30.8	8	P	07 06 20.6	0.5		
WHN	33.5	25	-P	07 06 44.0	0.1		
XAN	34.9	15	P	07 06 53.3	-2.2		
GTA	38.9	1	+iP	07 07 29.8	0.3		
			PcP	07 09 40.8	2.0		
TIA	39.6	24	P	07 07 34.8	-0.2		
BTO	41.4	13	eP	07 07 50.0	0.1		
HHC	42.0	15	eP	07 07 56.0	1.1		
BJI	42.6	20	eP	07 08 01.0	1.1		
DL2	43.7	26	eP	07 08 10.0	0.7		
WMQ	44.4	349	P	07 08 15.0	0.4		
CN2	49.4	25	eP	07 08 52.5	-1.3		

1985 5 13

O=08 49 02.0 ± 0.08s
 LAT=51.54 N ± 2.41km
 LONG=175.67 E ± 1.20km
 DEPTH= 32 km ± 0.42km

STATIONS USED = 67, STAND DEV = 1.21s

Ms=4.9/ 9,

CN2	34.1	277	-P	08 55 45.0	-1.3		
			S	09 01 09.5	0.9		
			LN	Ms=4.9	12.5	0.80	
SNY	36.3	275	eP	08 56 06.8	1.6		
			PP	08 57 29.0	0.6		
			S	09 01 42.0	-0.8		
			SS	09 04 14.0	5.3		
			LE	Ms=4.9	16.0	0.93	
BJI	41.9	278	eP	08 56 52.5	0.6		

			eS	09 03 09.0	0.6		
TIA	43.7	273	eP	08 57 07.3	0.9		
HHC	44.3	282	eP	08 57 12.0	0.7		
SSE	44.6	264	+P	08 57 14.0	0.8		
			LZ	Ms=4.9	20.0	0.87	
NJ2	45.4	267	+P	08 57 19.0	-0.6		
			S	09 04 00.0	3.0		
			LE	Ms=4.9	15.0	0.70	
BTO	45.4	283	+iP	08 57 20.0	0.0		
			LN	Ms=5.2	18.0	1.60	
			LE		18.0	0.70	
TIY	45.7	278	eP	08 57 23.8	1.6		
			PP	08 59 11.0	1.8		
			S	09 04 08.0	6.4		
			LN	Ms=4.9	15.0	0.57	
			LE		15.0	0.43	
WHN	49.2	269	P	08 57 49.5	-0.2		
XAN	50.2	277	-P	08 57 57.8	0.2		
QZH	50.5	261	+P	08 58 04.0	4.1		
			S	09 05 16.0	6.2		
LZH	52.0	282	-P	08 58 12.5	1.4		
			PMZ		2.0	0.11	
GTA	52.3	288	P	08 58 13.6	0.5		
			S	09 05 38.0	4.3		
			LN	Ms=5.1	18.0	0.95	
GZH	55.1	264	P	08 58 35.0	0.8		
CD2	55.5	278	eP	08 58 37.2	0.0		
WMQ	56.3	300	-iP	08 58 42.5	-0.2		
			sP	08 58 51.5	-4.2		
			PcP	08 59 35.0	-3.9		
			PP	09 00 50.0	1.1		
			LN	Ms=5.4	28.0	1.93	
			LE		28.0	1.84	
GYA	56.9	272	P	08 58 46.8	0.0		
KMI	60.3	274	-P	08 59 10.0	-0.6		
QZN	60.3	263	eP	08 59 12.0	1.2		
LSA	64.1	286	eP	08 59 36.3	-0.1		
KSH	65.6	303	eP	08 59 46.0	0.1		
			LE	Ms=5.3	14.0	0.88	

1985 5 13

O=08 51 55.1 ± 0.12s
 LAT=31.60 N ± 1.05km
 LONG=116.70 E ± 1.19km
 DEPTH= 4 km ± 0.40km

STATIONS USED = 9, STAND DEV = 3.73s

M_L=3.0/ 9,

NJ2	1.9	76	ePn	08 52 28.0	-0.4		
			Pg	08 52 30.6	2.2		
			Sg	08 52 53.4	-0.8		

			SMN	$M_L = 2.9$	0.4	0.070			LG ₂	10 48 08.5	-3.4		
			SME		0.4	0.13			LN	$M_s = 5.4$	9.0	7.82	
WHN	2.3	243	+iPn	08 52 31.5	-2.3				LE		10.0	8.26	
			Pg	08 52 34.5	-0.8				LZ	$M_s = 5.3$	11.0	10.7	
			Sn	08 52 56.8	-7.5			QZH	14.6	240	eP	10 44 22.0	-2.4
			Sg	08 52 59.5	-7.0				LN	$M_s = 5.2$	14.0	4.78	
			LN			0.4	0.55		LE		13.0	6.09	
			LE			0.5	0.62	BJI	14.9	303	eP	10 44 30.0	0.7
SSE	3.9	96	Pg	08 53 08.0	4.5				PMZ	$m_B = 5.9$	6.0	1.25	
			Sg	08 53 57.4	1.1				eS		10 47 21.0	7.4	
			SMN	$M_L = 2.8$	0.5	0.020			SMN	$m_B = 5.2$	6.0	0.62	
TIA	4.6	4	cPg	08 53 15.1	-1.5				SME		8.0	0.62	
			Sg	08 54 12.3	-7.2				LN	$M_s = 5.3$	13.0	5.09	
			SMN	$M_L = 2.8$	0.6	0.010			LE		13.0	7.11	
			SME		0.6	0.020		WHN	15.7	266	+P	10 44 38.5	0.0
			SMZ	$M_L = 3.1$	0.6	0.020			sP		10 44 51.0	-1.9	
									S		10 47 36.0	6.3	
									SMN	$m_B = 5.3$	5.0	0.74	
									LE	$M_s = 5.3$	12.0	8.22	
									LZ	$M_s = 5.5$	12.0	12.8	
								TIY	17.1	292	+P	10 44 57.0	0.4
									pP		10 45 08.0	2.6	
									S		10 48 02.5	-0.1	
									LE	$M_s = 5.5$	15.0	14.3	
								HHC	18.5	301	+P	10 45 15.0	0.6
									LN	$M_s = 5.5$	13.0	6.45	
									LE		13.0	8.62	
								GZH	19.5	245	eP	10 45 25.8	-0.4
									pP		10 45 40.0	4.1	
									S		10 49 05.0	6.8	
DL2	10.7	307	P	10 43 33.0	0.6				LN	$M_s = 5.5$	12.0	4.87	
			isP	10 43 46.0	-0.5				LE		12.0	6.65	
			S	10 45 35.0	4.4								
			LN	$M_s = 5.7$	6.0	17.6		BTO	19.6	299	+iP	10 45 25.0	-1.5
SNY	11.4	324	+iP	10 43 43.4	1.2				PP		10 45 45.0	0.7	
			S	10 45 48.0	0.0				S		10 49 00.0	1.5	
			LG ₁	10 46 48.0	-8.6				LN	$M_s = 5.5$	15.0	6.40	
			LE	$M_s = 5.5$	13.0	21.6			LE		15.0	7.50	
NJ2	11.6	269	+P	10 43 45.5	0.5				LZ	$M_s = 5.3$	15.0	6.70	
			sP	10 44 00.0	0.9								
			S	10 46 00.0	7.0			XAN	19.7	280	P	10 45 25.3	-2.9
			LZ	$M_s = 5.2$	17.0	14.0			pP		10 45 38.0	0.1	
MDJ	11.9	350	cP	10 43 50.5	1.4				sP		10 45 42.0	-1.4	
			sP	10 44 05.5	2.3				PP		10 45 51.0	4.5	
			LZ	$M_s = 5.3$	10.0	11.3			S		10 49 06.5	4.5	
CN2	12.2	335	+P	10 43 53.0	-0.1				SMN	$m_B = 6.0$	4.0	1.29	
			pP	10 44 01.0	-0.3				SME		6.0	2.60	
			S	10 46 10.0	2.4				SS		10 49 36.0	6.0	
			LN	$M_s = 5.3$	9.0	10.0			LN	$M_s = 5.5$	12.0	7.27	
TIA	13.1	289	+P	10 44 06.5	1.0				LE		12.0	3.68	
			eS	10 46 36.0	5.7			GYA	23.3	261	P	10 46 02.6	-2.3
									sP		10 46 20.8	0.3	

1985 5 13

O = 10 40 59.2 ± 0.09s
 LAT = 32.93 N ± 1.11km
 LONG = 132.53 E ± 1.28km
 DEPTH = 44 km ± 0.34km
 STATIONS USED = 97, STAND DEV = 1.55s
 $M_s = 5.5 / 31,$ $m_B = 5.8 / 5$

SSE	9.8	262	+P	10 43 20.0	-0.7		
			isP	10 43 34.0	-0.8		
			eS	10 45 10.0	0.1		
			LE	$M_s = 5.3$	16.0	21.4	
			LZ	$M_s = 5.3$	16.0	23.0	
DL2	10.7	307	P	10 43 33.0	0.6		
			isP	10 43 46.0	-0.5		
			S	10 45 35.0	4.4		
			LN	$M_s = 5.7$	6.0	17.6	
SNY	11.4	324	+iP	10 43 43.4	1.2		
			S	10 45 48.0	0.0		
			LG ₁	10 46 48.0	-8.6		
			LE	$M_s = 5.5$	13.0	21.6	
NJ2	11.6	269	+P	10 43 45.5	0.5		
			sP	10 44 00.0	0.9		
			S	10 46 00.0	7.0		
			LZ	$M_s = 5.2$	17.0	14.0	
MDJ	11.9	350	cP	10 43 50.5	1.4		
			sP	10 44 05.5	2.3		
			LZ	$M_s = 5.3$	10.0	11.3	
CN2	12.2	335	+P	10 43 53.0	-0.1		
			pP	10 44 01.0	-0.3		
			S	10 46 10.0	2.4		
			LN	$M_s = 5.3$	9.0	10.0	
TIA	13.1	289	+P	10 44 06.5	1.0		
			eS	10 46 36.0	5.7		

			S	10 50 14.0	4.2		
			LN	Ms=5.5	10.0	2.40	
			LE		10.0	4.70	
			LZ	Ms=5.7	10.0	7.60	
LZH	23.8	286	+P	10 46 10.0	0.5		
			PMZ		1.2	0.41	
			S	10 50 23.0	5.1		
			SME	m _n =5.8	9.0	2.47	
			LE	Ms=5.5	11.0	5.70	
CD2	24.5	273	+iP	10 46 15.3	-0.5		
			pP	10 46 28.0	1.4		
			S	10 50 30.0	0.7		
			LE	Ms=5.9	13.0	16.8	
			LZ	Ms=5.6	13.0	7.90	
QZN	24.6	241	eP	10 46 17.0	0.3		
			LN	Ms=5.5	14.0	3.60	
			LE		12.0	4.90	
GTA	27.1	293	P	10 46 38.8	-1.6		
			PP	10 47 20.5	-6.0		
			S	10 51 14.5	2.0		
			LE	Ms=5.6	14.0	7.20	
KMI	27.1	261	-P	10 46 40.5	-0.2		
			sP	10 46 59.5	3.1		
			S	10 51 12.0	-1.0		
			LE	Ms=5.6	11.0	5.90	
LSA	35.3	276	eP	10 47 53.0	-0.3		
			LN	Ms=5.2	16.0	2.07	
WMQ	36.4	301	P	10 48 00.8	-1.0		
			pP	10 48 13.0	0.0		
			PP	10 49 29.0	3.9		
			PcP	10 50 30.5	5.6		
			S	10 53 36.0	-2.4		
			LN	Ms=5.3	8.0	1.44	
KSH	45.5	295	eP	10 49 17.0	0.5		
			eS	10 55 56.0	1.6		
			LE	Ms=5.5	11.0	2.00	

1985 5 13

O=10 59 18.3 ± 0.06s
 LAT=51.51 N ± 1.35km
 LONG=175.63 E ± 0.57km
 DEPTH= 34 km ± 0.11km
 STATIONS USED = 21, STAND DEV= 0.79s

HHC	44.3	282	eP	11 07 28.0	0.8		
SSE	44.5	264	+P	11 07 30.0	1.0		
NJ2	45.3	267	eP	11 07 36.0	0.6		
GTA	52.2	288	eP	11 08 29.1	0.0		
GYA	56.8	272	P	11 09 02.4	-0.2		
KMI	60.2	274	eP	11 09 25.5	-1.0		

1985 5 14

O=03 45 59.3 ± 0.16s
 LAT=16.37 N ± 1.60km
 LONG=120.81 E ± 2.35km
 DEPTH= 4 km ± 1.09km
 STATIONS USED = 13, STAND DEV= 3.51s
 Ms=3.7 / 1,

GZH	9.7	315	eP	03 48 27.3	4.4		
			LN	Ms=3.7	12.0	0.41	
GYA	16.5	310	P	03 49 58.0	3.7		
TIA	20.0	351	eP	03 50 35.4	-1.1		
XAN	20.6	331	eP	03 50 40.3	-2.1		
CD2	21.3	316	eP	03 50 48.3	-0.9		
BJI	23.9	351	eP	03 51 16.5	0.9		
HHC	25.7	344	eP	03 51 28.6	-3.9		

1985 5 14

O=10 50 25.1 ± 0.08s
 LAT= 8.16 S ± 1.03km
 LONG=117.99 E ± 1.53km
 DEPTH= 32 km ± 0.16km
 STATIONS USED = 41, STAND DEV= 1.40s

QZN	28.2	344	eP	10 56 20.8	3.6		
GYA	36.1	343	eP	10 57 29.0	2.3		
NJ2	40.0	1	eP	10 58 00.0	1.1		
CD2	41.2	341	eP	10 58 09.3	0.6		
XAN	42.8	349	eP	10 58 21.9	-0.5		
TIA	44.1	359	eP	10 58 32.6	-0.3		
LSA	45.6	327	eP	10 58 45.8	0.3		
TIY	45.9	354	eP	10 58 47.0	-0.3		
BJI	48.0	358	eP	10 59 02.5	-0.9		
HHC	49.1	354	eP	10 59 11.8	-0.5		
GTA	50.2	342	P	10 59 21.0	0.1		
CN2	52.2	7	+P	10 59 34.2	-1.0		
MDJ	53.6	10	eP	10 59 44.5	-1.2		
WMQ	58.6	335	-P	11 00 21.0	-0.8		
KSH	61.3	324	eP	11 00 40.0	-0.5		

1985 5 14

O=12 03 39.3 ± 0.09s
 LAT= 5.73 S ± 1.20km
 LONG=151.43 E ± 1.23km
 DEPTH= 33 km ± 0.14km
 STATIONS USED = 26, STAND DEV= 1.62s

GZH	47.0	309	eP	12 12 10.3	1.0		
GYA	53.9	309	eP	12 13 02.8	0.5		
CN2	54.6	337	eP	12 13 09.0	1.7		
XAN	56.4	318	eP	12 13 20.8	0.6		
KMI	56.4	305	eP	12 13 16.5	-4.0		
CD2	58.3	312	P	12 13 33.3	-0.7		

1985 5 14																			
O = 13 24 56.5 ± 0.10s																			
LAT = 10.60 S ± 1.43km																			
LONG = 41.30 E ± 1.67km																			
DEPTH = 8 km ± 0.28km																			
STATIONS USED = 106, STAND DEV = 1.02s																			
Ms = 5.8 / 26,			m _B = 6.1 / 15																
KSH	59.3	31	-P	13 35 01.0	-1.1	LZH	74.9	48	S	13 46 07.0	4.9	LN	Ms = 5.8	16.0	1.60				
			eS	13 43 08.0	-1.6				LE	16.0	1.70								
			ScS	13 44 45.0	-2.9				-P	13 36 41.0	0.1					PMZ	m _B = 6.2	8.0	1.98
			LE	Ms = 5.6	16.0				2.50	eS	13 46 20.0					2.1	SME	m _B = 5.9	8.0
LSA	62.5	49	-iP	13 35 24.1	-0.1	XAN	77.9	52	-P	13 36 57.0	-0.7	LE	Ms = 5.6	15.0	1.50				
			PMZ		3.0				1.53	sP	13 37 09.0	3.8	SMN	m _B = 6.2	8.0	1.04			
			S	13 43 44.5	-4.4				SME		9.0	1.48	SKS	13 47 08.0	2.3				
			LN	Ms = 5.5	17.0				1.96	PS	13 47 36.0								
WMQ	68.6	34	-iP	13 36 03.0	0.0	GZH	78.0	64	-P	13 36 59.4	1.5	LN	Ms = 5.6	15.0	0.81				
			PMZ		2.0				0.49	LE		15.0	1.16						
			ScP	13 40 25.0	-4.7				PP	13 40 00.0	4.8								
			S	13 45 07.0	3.6				S	13 46 54.0	4.4								
KMI	69.6	58	-P	13 36 09.0	-0.1	WHN	81.1	57	-iP	13 37 15.0	0.4	LN	Ms = 5.9	17.0	2.71				
			PMZ		3.0				0.73	LE		17.0	1.68						
			PcP	13 36 33.0	1.9														
			PP	13 38 44.0	0.4				iPcP	13 37 22.5	2.1								
CD2	72.7	53	S	13 45 17.0	2.1	BTO	81.2	46	-P	13 37 15.0	-0.3	S	13 47 26.0	3.9					
			SMN	m _B = 5.9	8.0				0.64	iSKS	13 47 28.0	-0.2							
			SME		8.0				0.70	SME	m _B = 6.1	9.0	1.44						
			SS	13 49 49.0	5.1				PS	13 48 24.0									
GYA	73.4	58	-P	13 36 31.0	-0.7	TIY	81.9	49	-P	13 37 18.5	-0.5	LN	Ms = 5.6	20.0	1.78				
			PcP	13 36 42.0	-5.1				PP	13 40 23.0	1.3								
			S	13 45 57.0	-1.5				S	13 47 23.0	0.0								
			PS	13 46 42.0					SKS	13 47 29.0	0.1								
GTA	73.6	44	-iP	13 36 33.5	0.3	HHC	82.4	46	-iP	13 37 22.5	1.0	LN	Ms = 6.0	15.0	3.20				
			PMZ	m _B = 5.8	5.0				0.55	LE		16.0	1.10						
			pP	13 36 41.0	2.9														
			sP	13 36 44.5	3.8				LZ	Ms = 5.8	16.0	2.40							
QZN	73.7	67	-P	13 36 33.0	-0.4	QZH	83.1	63	-P	13 37 26.0	0.8								
			PP	13 39 20.0	2.1														
			S	13 46 04.0	2.8														
			SMN	m _B = 5.8	9.0				0.55										

CD2	72.6	53	PP	18 24 54.0	-0.6	1.2	0.13	WHN	81.0	57	-P	18 23 26.4	0.8	1.6	1.90
			S	18 31 26.0	0.9			PMZ							
			SKS	18 32 13.0	-2.0			iPcP	18 23 33.0	1.6					
			SS	18 35 58.0	3.9			PP	18 26 38.0	6.5					
			-iP	18 22 38.3	-0.4			iS	18 33 37.0	3.0					
			PMZ					SME	$m_B=6.4$	8.0	2.63				
			PP	18 25 30.0	8.8			SKS	18 33 39.0	0.2					
			S	18 31 59.0	-2.3			iScS	18 33 54.0	4.9					
			LN	$M_s=6.1$	15.0			5.30	PS	18 34 32.0					
			LZ	$M_s=6.2$	15.0			5.48	LN	$M_s=5.9$	18.0	2.79			
GYA	73.3	58	-P	18 22 42.0	-0.6	17.0	4.10	BTO	81.1	46	-iP	18 23 27.0	0.7	16.0	1.40
			S	18 32 07.0	-1.7			cPP	18 26 37.5	5.2					
			LN	$M_s=6.1$	17.0			4.10	S	18 33 36.0	2.6				
			LE		17.0			4.00	SKS	18 33 40.0	0.5				
			LZ	$M_s=6.1$	17.0			5.90	PS	18 34 30.0					
			-iP	18 22 44.0	-0.1			SS	18 38 58.0	6.9					
GTA	73.5	44	PMZ			9.5	1.32	LN	$M_s=6.3$	15.0	6.10	16.0	3.40		
			PP	18 25 35.5	7.0			LE		16.0	1.40				
			iS	18 32 15.0	1.7			LZ	$M_s=6.0$	16.0	3.40				
			SMN	$m_B=6.0$	9.5			1.32	-iP	18 23 30.0	0.0				
			LN	$M_s=6.1$	15.0			1.67	PMZ	$m_B=6.4$	5.0			2.02	
			LE		15.0			4.51	S	18 33 40.0	-0.8				
QZN	73.6	67	-iP	18 22 44.0	-0.3	16.0	3.50	TIY	81.8	49	-iP	18 23 30.0	0.0	16.0	3.59
			PP	18 25 34.0	4.8			SMN	$m_B=6.5$	8.0	1.10				
			S	18 32 15.0	2.7			SME		8.0	2.81				
			LN	$M_s=6.1$	16.0			3.50	LN	$M_s=6.1$	15.0	1.59			
			LE		16.0			4.00	LE		16.0	3.59			
			-iP	18 22 52.5	0.7			HHC	82.3	46	-iP	18 23 33.6	1.2		
LZH	74.8	48	PMZ			9.0	1.98	PMZ	$m_B=6.8$	5.0	4.34	15.0	4.12		
			eS	18 32 30.0	1.8			PP	18 26 46.0	4.2					
			SME	$m_B=6.3$	9.0			1.98	S	18 33 50.0	4.5				
			LE	$M_s=5.8$	15.0			2.51	LN	$M_s=6.1$	15.0			4.12	
			-iP	18 22 52.5	0.7			QZH	83.0	63	-iP			18 23 37.0	0.8
			PMZ		2.0			1.83	PMZ		2.5			1.78	
XAN	77.8	52	eS	18 32 30.0	1.8	11.0	3.97	PP	18 26 50.0	2.2	11.0	2.11			
			SME	$m_B=6.3$	9.0			1.98	PPMZ				5.0	0.91	
			LE	$M_s=5.8$	15.0			2.51	S	18 33 56.0			2.8		
			-iP	18 23 08.3	-0.3			QZH	83.0	63			-iP	18 23 37.0	0.8
			PcP	18 23 19.0	1.1			PMZ		2.5			1.78		
			ePP	18 26 07.0	1.8			PP	18 26 50.0	2.2					
			S	18 32 58.0	-1.2			PPMZ		5.0			0.91		
			SME	$m_B=6.5$	11.0			3.97	S	18 33 56.0			2.8		
			PS	18 33 46.5					SME	$m_B=6.2$			11.0	2.11	
			LN	$M_s=6.0$	15.0			2.11	SS	18 39 28.0			7.8		
LE		15.0	2.33	LN	$M_s=6.3$	17.0	3.21								
GZH	77.9	64	-iP	18 23 10.0	1.1	10.0	1.01	LE		17.0	5.38	16.0	3.70		
			PMZ	$m_B=6.5$	8.0			4.24	LN	$M_s=6.3$	17.0			3.21	
			PP	18 26 12.0	6.2				LE		16.0			3.70	
			S	18 33 04.0	4.1				LZ	$M_s=5.8$	16.0			1.94	
			SMN	$m_B=6.1$	10.0			0.99	-iP	18 23 46.1	0.4				
			SME		10.0			1.01	PMZ	$m_B=6.5$	4.0			1.75	
			SS	18 38 10.0	6.6				S	18 34 05.0	-6.8				
			SSS	18 41 22.0					SMN	$m_B=6.4$	12.0			2.09	
			LN	$M_s=6.2$	16.0			5.12	SME		12.0			2.95	
			LE		16.0			2.85	LN	$M_s=6.2$	16.0			3.20	
NJ2	85.1	56	-iP	18 23 46.5	-0.2	16.0	2.85	LE		16.0	3.70	16.0	1.94		
			PMZ						LZ	$M_s=5.8$	16.0			1.94	
								NJ2	85.1	56	-iP	18 23 46.5	-0.2		
								PMZ					3.0	1.90	

May,

1985

			PP	18 27 04.0	-0.6			
			S	18 34 08.0	-6.0			
			SS	18 39 46.0	-4.5			
			LZ		$M_s=6.0$	16.0	3.40	
BJI	85.3	48	eP	18 23 47.5	-0.3			
			PMZ		$m_B=6.3$	6.0	1.56	
			eSKS	18 34 04.0	-4.4			
			S	18 34 19.0	3.0			
			SMN		$m_B=6.2$	8.0	1.61	
			SME			8.0	1.12	
			LN		$M_s=6.1$	16.0	2.44	
			LE			15.0	2.98	
			LN		$M_s=6.0$	17.0	3.12	
SSE	86.8	58	-P	18 23 55.1	0.1			
			PMZ			1.5	0.41	
			ePP	18 27 28.0	9.1			
			PPMZ			8.0	2.33	
			S	18 34 32.0	1.8			
			PS	18 35 36.0				
			SS	18 40 16.0	1.2			
			LN		$M_s=6.0$	16.0	3.15	
			LZ		$M_s=6.6$	16.0	12.6	
DL2	89.1	50	-P	18 24 05.0	-1.0			
			PP	18 27 37.0	-0.2			
			S	18 34 49.0	-2.5			
			LE		$M_s=6.1$	15.0	3.59	
SNY	91.2	48	-iP	18 24 14.8	-1.1			
			SKS	18 34 47.0	1.7			
			S	18 35 08.0	-2.7			
			PS	18 36 28.0				
			LN		$M_s=6.1$	18.0	2.61	
			LE			18.0	3.41	
CN2	93.0	46	-P	18 24 21.6	-2.5			
			PMZ		$m_B=6.2$	8.5	1.00	
			ePP	18 28 06.0	-2.4			
			PPMZ		$m_B=6.4$	9.0	1.60	
			eSKS	18 34 52.0	-3.4			
			S	18 35 22.0	-4.3			
			LN		$M_s=6.2$	18.0	2.40	
			LE			18.0	4.30	
MDJ	96.0	46	-P	18 24 36.0	-2.2			
			PP	18 28 30.0	-2.0			
			SKS	18 35 07.0	-5.2			
			S	18 35 47.0	-5.6			
			PS	18 37 18.0				
			LN		$M_s=6.0$	30.0	5.12	

1985 5 14
 $O=18 50 35.6 \pm 0.08s$
 $LAT=33.16 S \pm 1.07km$

LONG = 72.13 W $\pm 0.73km$
 DEPTH = 37 km $\pm 0.61km$
 STATIONS USED = 17, STAND DEV = 1.28s
 WMQ 161.0 50 PKP 19 10 33.5 0.7
 GTA 171.0 44 PKP 19 10 41.8 1.0
 PKP₂ 19 12 00.0
 TIA 171.8 294 ePKP 19 10 41.8 0.6

1985 5 14
 $O=19 41 56.9 \pm 0.06s$
 $LAT=14.25 S \pm 0.76km$
 $LONG=166.06 E \pm 1.47km$
 DEPTH = 35 km $\pm 0.52km$

STATIONS USED = 17, STAND DEV = 1.17s
 DL2 67.2 324 eP 19 52 49.0 -1.3
 CN2 68.6 330 eP 19 52 58.8 -0.4
 BJI 71.2 322 eP 19 53 14.5 -0.1
 XAN 72.5 313 eP 19 53 24.5 1.8
 KMI 73.1 302 eP 19 53 28.0 1.8
 CD2 74.8 308 eP 19 53 37.1 1.0

1985 5 14
 $O=19 54 41.8 \pm 0.10s$
 $LAT=10.66 S \pm 2.08km$
 $LONG=41.29 E \pm 1.69km$
 DEPTH = 10 km $\pm 0.19km$

STATIONS USED = 43, STAND DEV = 1.41s
 $M_s=5.5 / 1,$

LSA	62.6	49	-P	20 05 08.8	-0.7			
WMQ	68.7	34	P	20 05 47.5	-0.9			
			eS	20 14 51.0	0.5			
			LN		$M_s=5.5$	15.0	1.45	
KMI	69.6	58	eP	20 05 54.0	-0.4			
CD2	72.7	53	eP	20 06 12.0	-1.1			
GYA	73.4	58	P	20 06 16.0	-1.0			
GTA	73.7	44	P	20 06 18.3	-0.2			
LZH	75.0	48	eP	20 06 26.0	-0.2			
XAN	78.0	52	eP	20 06 42.6	-0.4			
GZH	78.0	64	eP	20 06 44.3	1.1			
BTO	81.2	46	eP	20 07 00.8	0.2			
TIY	82.0	49	eP	20 07 03.7	-0.6			
HHC	82.4	46	eP	20 07 07.4	0.6			
TIA	85.0	52	eP	20 07 19.9	-0.1			
NJ2	85.3	56	eP	20 07 21.4	0.4			
BJI	85.5	48	eP	20 07 22.0	-0.1			

1985 5 14
 $O=20 45 44.4 \pm 0.09s$
 $LAT=36.27 N \pm 1.46km$
 $LONG=73.29 E \pm 1.28km$

May, 1985

DEPTH = 34 km ± 0.31km
 STATIONS USED = 29, STAND DEV = 1.77s
 M_L = 4.2 / 2,

KSH	3.8	33	eP	20 46 47.0	4.4		
			ipP	20 46 53.0	3.9		
			LN			3.0	4.90
WMQ	13.4	51	P	20 48 52.0	-2.4		
			S	20 51 19.8	-2.3		
			LN			2.0	0.080
GTA	21.2	73	P	20 50 28.8	-0.5		
CD2	25.9	93	eP	20 51 15.9	0.7		
GYA	30.0	100	eP	20 51 51.6	-1.0		
BJI	33.7	70	eP	20 52 25.0	0.2		
TIA	35.1	77	eP	20 52 37.4	0.2		
DL2	38.0	71	P	20 53 02.4	0.7		

HHC	40.0	340	eP	21 46 37.0	-0.1		
BTO	40.3	338	eP	21 46 41.0	1.1		
MDJ	40.6	1	eP	21 46 40.0	-2.6		
LSA	43.9	310	eP	21 47 08.8	-0.7		
			eS	21 53 37.0	-0.4		
GTA	44.1	327	P	21 47 11.0	0.3		
			PP	21 48 51.8	-2.8		
			eS	21 53 39.0	-0.5		
			LE			M _s = 4.5	12.0 0.20
WMQ	53.8	324	P	21 48 25.0	-0.8		
			S	21 55 56.0	1.6		
			PS	21 56 09.0			
			ScS	21 58 08.5	1.8		
			LZ			M _s = 4.8	20.0 0.52
KSH	59.3	314	eP	21 49 09.0	3.6		

1985 5 14
 O = 21 39 04.7 ± 0.09s
 LAT = 3.81 N ± 1.12km
 LONG = 128.69 E ± 1.41km
 DEPTH = 44 km ± 0.36km
 STATIONS USED = 78, STAND DEV = 1.20s
 M_s = 4.5 / 5, m_B = 5.3 / 2

QZH	23.1	336	eP	21 44 09.0	0.7		
			S	21 48 12.0	0.2		
			SMN			m _B = 5.3	9.0 0.60
			SME				11.0 0.67
			LN			M _s = 4.0	16.0 0.29
QZN	23.8	311	eP	21 44 14.3	-0.6		
			S	21 48 20.0	-3.6		
GZH	24.2	324	-P	21 44 18.8	0.0		
			S	21 48 38.0	7.3		
			SME			m _B = 5.2	11.0 0.70
NJ2	29.6	343	eP	21 45 08.5	0.6		
			LE			M _s = 4.4	11.0 0.30
WHN	29.8	335	eP	21 45 11.0	0.7		
GYA	30.9	319	P	21 45 18.8	-0.7		
KMI	32.7	313	+P	21 45 35.0	-1.1		
			sP	21 45 47.5	-4.2		
TIA	34.0	343	eP	21 45 45.8	-0.6		
XAN	35.3	331	+iP	21 45 56.3	-1.3		
DL2	35.5	351	eP	21 46 01.8	2.1		
CD2	35.8	322	P	21 46 01.1	-0.8		
TIY	36.9	338	eP	21 46 10.5	-0.8		
			S	21 51 51.0	-0.3		
			LN			M _s = 4.5	10.0 0.24
BJI	37.8	344	eP	21 46 17.5	-1.4		
LZH	39.4	328	+P	21 46 34.0	1.1		
			PMZ				1.5 0.14
CN2	39.9	356	-P	21 46 38.0	1.4		

1985 5 14
 O = 22 51 16.5 ± 0.19s
 LAT = 14.38 N ± 1.68km
 LONG = 146.11 E ± 1.90km
 DEPTH = 83 km ± 0.96km
 STATIONS USED = 47, STAND DEV = 1.34s

DL2	32.6	323	eP	22 57 42.1	-0.4		
WHN	33.3	304	eP	22 57 49.0	0.2		
TIA	33.8	315	eP	22 57 52.8	-0.4		
BJI	36.6	320	eP	22 58 16.0	-0.7		
TIY	37.8	314	eP	22 58 27.6	0.5		
GYA	38.7	294	P	22 58 36.6	2.0		
XAN	38.9	307	eP	22 58 35.4	-0.3		
HHC	40.0	318	-P	22 58 45.8	0.8		
BTO	40.9	317	eP	22 58 52.0	-0.3		
KMI	42.0	292	eP	22 59 03.5	1.5		
CD2	42.1	300	P	22 59 03.3	0.7		
LZH	43.5	308	eP	22 59 15.5	1.7		
GTA	47.6	311	P	22 59 46.9	0.7		
LSA	52.7	296	eP	23 00 26.6	0.8		
WMQ	57.5	313	P	23 00 59.5	-0.4		
			PMZ				1.5 0.050
			pP	23 01 20.3	0.1		
			PP	23 03 11.8	2.7		
			eS	23 08 54.3	4.9		

1985 5 14
 O = 23 13 24.9 ± 0.16s
 LAT = 44.47 N ± 1.23km
 LONG = 82.06 E ± 0.91km
 DEPTH = 21 km ± 0.96km
 STATIONS USED = 8, STAND DEV = 3.78s
 M_L = 3.3 / 10,

WMQ	4.1	97	ePn	23 14 32.6	5.5		
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Pg 23 14 39.4 2.0
 Sg 23 15 28.3 -5.3
 SMN $M_L=3.1$ 0.2 0.050
 SME 0.3 0.030

SNY 16.9 318 -iP 05 15 21.6 0.9
 PMZ 0.8 0.55
 esP 05 17 06.0 -1.0
 S 05 18 14.0 -1.6

1985 5 14

O=23 36 14.2 ± 0.05s
 LAT= 2.81 S ± 0.67km
 LONG=139.02 E ± 0.82km
 DEPTH= 32 km ± 0.12km
 STATIONS USED = 28, STAND DEV= 0.94s

NJ2	39.6	333	eP	23 43 45.0	0.3
DL2	44.5	341	eP	23 44 26.0	1.2
CD2	47.5	318	P	23 44 49.0	0.6
BJI	47.5	336	eP	23 44 48.5	-0.1
CN2	48.0	347	+P	23 44 51.8	-0.6
WMQ	65.3	322	P	23 46 55.8	0.0

1985 5 15

O=02 50 51.3 ± 0.13s
 LAT= 0.15 S ± 2.02km
 LONG=123.90 E ± 1.98km
 DEPTH=143 km ± 1.26km
 STATIONS USED = 23, STAND DEV= 2.14s

QZN	23.5	325	eP	02 55 49.8	0.1
GZH	25.3	337	eP	02 56 07.0	0.8
XAN	36.8	339	eP	02 57 46.3	-1.2
GTA	45.1	334	P	02 58 55.6	-0.1

1985 5 15

O=02 52 30.9 ± 0.05s
 LAT=51.82 S ± 1.10km
 LONG= 28.22 E ± 1.68km
 DEPTH= 10 km ± 0.03km
 STATIONS USED = 26, STAND DEV= 1.37s

BJI	119.0	61	eP	03 11 25.5	4.3
CN2	126.7	64	eP	03 11 35.0	-0.9

1985 5 15

O=05 11 48.0 ± 0.06s
 LAT=30.00 N ± 1.07km
 LONG=138.60 E ± 1.10km
 DEPTH=434 km ± 0.40km
 STATIONS USED = 83, STAND DEV= 1.05s

SSE	15.0	279	eP	05 15 00.0	-1.8
			eS	05 17 36.0	-2.0
MDJ	16.2	336	+P	05 15 14.5	0.7
DL2	16.6	307	-P	05 15 16.0	-1.1
			eS	05 18 05.0	-1.3

NJ2 17.1 282 -P 05 15 22.5 0.5
 S 05 18 15.5 0.7
 CN2 17.3 326 -P 05 15 24.8 0.3
 S 05 18 17.0 -2.3

SME $m_B=4.6$ 10.0 0.70
 PcP 05 19 42.8 -0.7
 ScP 05 22 34.8 -1.5
 QZH 18.5 259 eP 05 15 35.0 -0.9
 iS 05 18 45.0 4.6
 SME $m_B=5.0$ 6.0 0.90

TIA 19.0 295 -iP 05 15 41.6 0.1
 BJI 20.9 305 eP 05 15 58.5 -0.8
 eS 05 19 24.0 2.0
 WHN 20.9 278 P 05 16 00.5 0.5
 TIY 23.0 296 -P 05 16 19.0 -0.2

GZH 23.6 259 eP 05 16 24.5 0.1
 XAN 25.4 287 +iP 05 16 40.9 -0.3
 BTO 25.5 302 P 05 16 41.0 -0.9
 QZN 28.3 254 eP 05 17 07.6 1.3
 GYA 28.3 271 -P 05 17 06.0 -0.7

PcP 05 20 07.0 0.5
 S 05 21 19.0 -2.1
 LZH 29.7 291 -P 05 17 18.5 0.1
 KMI 32.1 270 -P 05 17 39.5 0.2
 eS 05 22 20.0 -0.9
 GTA 33.0 297 -iP 05 17 47.3 0.0

PMZ 0.8 0.13
 PcP 05 20 19.8 0.8
 S 05 22 31.0 -3.2
 ScP 05 23 21.0 0.4
 LSA 40.9 282 P 05 18 53.8 0.8
 PcP 05 20 44.8 1.5

WMQ 42.3 303 -iP 05 19 04.0 0.1
 PMZ 1.8 0.33
 PcP 05 20 48.0 0.0
 ScP 05 23 51.5 -4.1
 PcS 05 24 38.0 0.1
 S 05 24 50.0 -2.4
 ScS 05 28 14.0 -0.8

KSH 51.4 298 -P 05 20 14.0 0.3

1985 5 15
 O=05 47 13.6 ± 0.16s
 LAT=16.45 N ± 1.78km
 LONG=120.92 E ± 2.33km
 DEPTH= 7 km ± 0.78km

May, 1985

STATIONS USED = 34, STAND DEV = 2.42s
Ms = 4.0 / 3,

GZH	9.7	314	eP	05 49 34.5	-2.6		
			LN		Ms=4.1	11.0	0.74
			LE			11.0	0.64
QZN	10.9	285	eP	05 49 49.8	-3.0		
			LN		Ms=3.9	14.0	0.60
WHN	15.3	338	eP	05 50 54.3	2.8		
NJ2	15.6	353	eP	05 50 58.0	1.5		
GYA	16.6	309	P	05 51 10.0	1.5		
KMI	19.0	300	eP	05 51 42.0	2.6		
TIA	20.0	351	eP	05 51 45.3	-4.4		
			LE		Ms=4.0	14.0	0.30
XAN	20.6	331	eP	05 51 55.5	-0.5		
CD2	21.3	316	P	05 52 04.1	0.9		
DL2	22.4	1	eP	05 52 16.5	2.2		
TIY	22.5	342	eP	05 52 19.0	3.8		
GTA	29.4	325	eP	05 53 20.1	0.1		

1985 5 15
O = 12 33 29.8 ± 0.13s
LAT = 38.07 N ± 1.18km
LONG = 119.55 E ± 1.46km
DEPTH = 4 km ± 0.42km

STATIONS USED = 8, STAND DEV = 4.12s
M_L = 3.0 / 10,

DL2	1.8	62	-Pn	12 34 02.5	0.2		
			Sg	12 34 26.1	-1.0		
			SMN		M _L =3.0	0.5	0.17
			SME			0.5	0.14
TIA	2.7	227	Pn	12 34 10.8	-3.2		
			Pg	12 34 17.5	0.3		
			Sg	12 34 53.3	-0.5		
			SMN		M _L =2.8	0.2	0.050
			SME			0.3	0.040
			SMZ		M _L =2.8	0.4	0.030
BJI	3.3	308	ePn	12 34 27.0	4.8		
			eSg	12 35 05.0	-7.7		

1985 5 15
O = 14 12 00.2 ± 0.08s
LAT = 9.96 N ± 2.34km
LONG = 57.91 E ± 1.56km
DEPTH = 10 km ± 0.45km

STATIONS USED = 29, STAND DEV = 1.32s

GTA	47.4	45	P	14 20 37.8	0.5		
XAN	52.4	55	+P	14 21 14.8	-0.4		
BTO	55.1	47	eP	14 21 35.6	0.2		
TIY	56.1	51	eP	14 21 41.8	-0.6		
WHN	56.2	60	eP	14 21 42.0	-1.0		

HHC	56.3	47	eP	14 21 44.0	0.0		
TIA	59.4	54	eP	14 22 05.0	-0.8		
BJI	59.5	49	eP	14 22 06.0	-0.2		
DL2	63.4	51	+P	14 22 32.0	-0.7		
SNY	65.3	49	eP	14 22 44.0	-1.2		
CN2	67.0	47	eP	14 22 54.8	-1.1		

1985 5 15
O = 14 35 03.9 ± 0.18s
LAT = 28.77 N ± 1.56km
LONG = 103.68 E ± 1.77km
DEPTH = 10 km ± 0.01km

STATIONS USED = 9, STAND DEV = 3.41s
M_L = 3.6 / 5,

CD2	2.1	2	+iPn	14 35 43.1	3.0		
			Sn	14 36 12.3	3.8		
			SMN		M _L =3.8	0.8	0.43
			SME			0.6	0.90
GYA	3.5	130	ePn	14 36 00.3	1.2		
			Pg	14 36 10.4	4.5		
			Sg	14 36 55.0	1.1		
			SMN		M _L =3.1	1.0	0.060
			SME			1.0	0.050
XAN	6.9	39	Pn	14 36 42.0	-3.7		
			Pg	14 37 11.3	5.5		
			Sn	14 38 02.5	-4.1		
			Sg	14 38 38.5	-1.7		

1985 5 15
O = 18 21 30.1 ± 0.08s
LAT = 39.33 N ± 0.72km
LONG = 96.86 E ± 0.87km
DEPTH = 11 km ± 0.17km

STATIONS USED = 7, STAND DEV = 2.73s
M_L = 3.6 / 4,

GTA	2.3	87	Pn	18 22 11.5	3.0		
			Sg	18 22 42.8	0.7		
			SMN		M _L =3.0	1.2	0.12
			SME			1.2	0.10

1985 5 15
O = 20 12 44.5 ± 0.14s
LAT = 56.61 S ± 3.30km
LONG = 25.21 W ± 3.49km
DEPTH = 34 km ± 0.60km

STATIONS USED = 90, STAND DEV = 2.21s
Ms = 6.6 / 27, m_B = 6.3 / 2

KSH	127.6	74	+PKP	20 31 49.0	1.3		
			PP	20 33 58.0	6.3		
			eSKKS	20 40 45.0			

LSA	128.6	94	LN	Ms=6.8	16.0	10.4	PKS	20 35 50.0	Ms=6.6	16.0	2.88	
			+PKP	20 31 51.0	1.0	LN						
			PP	20 34 01.5	2.6	LE						
			LN	Ms=6.7	18.0	5.97						
QZN	129.8	120	LE		18.0	6.38	WHN	141.7	116	PKP	20 32 14.0	0.4
			ePKP	20 31 52.5	0.8	LN	Ms=5.8	16.0	0.94			
			PP	20 34 08.0	1.9	NJ2	145.1	119	+iPKP	20 32 21.0	1.4	
			PKS	20 35 15.0		SKKS	20 42 30.0					
			SKKS	20 40 57.0		LZ	Ms=6.6	18.0	6.10			
			SS	20 51 27.0	2.1	SSE	145.4	123	+iPKP	20 32 21.0	0.9	
KMI	131.3	108	LN	Ms=6.7	20.0	9.60	pPKP	20 32 32.0	2.2			
			LE		20.0	4.60	PP	20 35 48.0	5.2			
			+PKP	20 31 56.0	1.2	PKS	20 36 08.0					
			PP	20 34 16.0	-0.3	SKS	20 39 25.0	2.5				
GYA	134.4	111	PKS				SS	20 54 30.0	1.3			
			SKS	20 39 04.0	4.6	LN	Ms=6.8	20.0	9.75			
			LN	Ms=6.6	22.0	8.90	LE		20.0	5.25		
			PKP	20 32 02.0	1.3	LZ	Ms=6.9	20.0	15.5			
			PP	20 34 39.0	2.9	TIY	146.3	106	+PKP	20 32 22.0	0.4	
			PKS	20 35 36.0		PP	20 35 57.0	9.1				
GZH	134.9	121	SS	20 52 15.0	-6.1		SKKS	20 42 35.5				
			LN	Ms=6.7	20.0	9.20	LN	Ms=6.6	17.0	3.83		
			PKP	20 32 03.5	2.1	LE		17.0	4.55			
			PP	20 34 41.0	2.0	LZ						
CD2	136.4	104	LN	Ms=6.8	20.0	9.96	BTO	147.0	100	+PKP	20 32 24.0	1.0
			LE		18.0	3.05	SKKS	20 42 44.0				
			PKP	20 32 05.0	0.7	LN	Ms=6.6	17.0	3.20			
			PP	20 34 49.5	1.5	LE		17.0	4.50			
WMQ	136.9	78	LN	Ms=6.5	16.5	4.70	LZ	Ms=6.6	17.0	5.80		
			LZ	Ms=6.5	17.0	4.49	TIA	147.6	113	-PKP	20 32 25.0	1.3
			PKP	20 32 06.3	1.0	SKKS	20 42 43.0					
			PKS	20 35 40.0		LN	Ms=6.3	33.0	5.95			
QZH	139.0	125	SKS	20 39 18.0	8.9		HHC	148.0	101	+PKP	20 32 24.5	-0.1
			SKKS	20 41 46.0		SKKS	20 42 46.0					
			LZ	Ms=6.5	28.0	8.60	LN	Ms=6.6	18.0	6.28		
			-PKP	20 32 12.0	3.2	BJI	149.9	107	+PKP	20 32 28.5	1.0	
			PP	20 35 06.0	1.8	SKKS	20 42 58.0					
			PPMZ	m _B =6.3	6.5	1.08	SS	20 55 20.0	0.4			
LZH	140.4	99	LN	Ms=6.5	17.0	4.01	LN	Ms=6.5	17.0	4.87		
			LE		18.0	3.96	DL2	151.9	115	+PKP	20 32 31.0	0.5
			ePKP	20 32 06.5	-5.1	PP	20 36 25.0	5.1				
			ePP	20 35 16.0	3.1	PPMZ	m _B =6.2	6.0	1.13			
GTA	140.6	92	SKKS	20 41 52.0			eSS	20 55 50.0	8.7			
			SS	20 53 20.0	6.0	LN	Ms=6.6	16.0	2.16			
			LN	Ms=6.3	15.0	2.50	LE		18.0	5.42		
			LE				SNY	155.1	113	+iPKP	20 32 35.0	0.2
XAN	141.6	106	PKP	20 32 09.0	-4.6		iPKP ₂	20 33 00.0				
			LE	Ms=6.5	19.0	5.47	ePP	20 36 33.0	-4.9			
						SKKS	20 43 22.0					
						SS	20 56 20.0	3.8				
						LN	Ms=6.5	24.0	5.03			
						LE		24.0	4.62			

May, 1985

CN2	157.5	112	+PKP	20 32 38.0	-0.1		
			PKP ₂	20 33 08.0			
			PKS	20 36 11.0			
			ePP	20 36 48.0	-3.0		
			SKKS	20 43 32.0			
			LZ	Ms=6.7	16.0	6.60	
MDJ	160.1	116	+PKP	20 32 41.0	-0.2		
			pPKP	20 32 52.0	1.0		
			PKP ₂	20 33 24.0			
			pPKP ₂	20 33 34.0			
			PP	20 37 10.0	4.9		
			LE	Ms=6.7	17.0	7.92	

1985 5 15

O=22 08 26.4 ± 0.12s
 LAT=24.02 N ± 1.67km
 LONG=122.51 E ± 1.63km
 DEPTH= 11 km ± 0.67km
 STATIONS USED = 30, STAND DEV = 2.00s
 M_L=4.0 / 9,

QZH	3.7	285	+Pn	22 09 23.1	-0.6		
			Sn	22 10 01.9	-7.3		
			SMN	M _L =3.9	0.8	0.32	
			SME		1.0	0.35	
SSE	7.1	351	Pn	22 10 13.1	1.8		
			SMN	M _L =4.1	1.2	0.070	
			SME		1.2	0.080	
NJ2	8.6	339	eP	22 10 33.0	-1.4		
			S	22 12 08.5	-4.0		
QZN	12.8	250	eP	22 11 28.3	-3.0		
GYA	14.5	283	eP	22 11 55.0	0.4		
CD2	18.0	297	P	22 12 38.4	-0.1		
KMI	18.0	278	eP	22 12 42.0	2.9		
CN2	19.9	6	eP	22 13 00.0	-0.9		
LZH	20.1	311	eP	22 13 03.5	0.0		
GTA	24.6	314	eP	22 13 47.8	-0.2		

1985 5 15

O=23 46 18.9 ± 0.15s
 LAT=17.77 S ± 1.10km
 LONG=168.73 E ± 2.38km
 DEPTH=206 km ± 0.66km
 STATIONS USED = 27, STAND DEV = 1.32s

DL2	71.6	323	eP	23 57 19.6	-0.3		
TIA	72.5	318	-P	23 57 25.6	-0.1		
CN2	73.0	329	eP	23 57 27.4	-0.9		
GYA	74.6	305	P	23 57 38.0	0.2		
XAN	76.8	312	P	23 57 49.8	-0.2		
KMI	77.1	302	eP	23 57 53.0	1.1		
GTA	85.8	314	P	23 58 37.8	0.8		

1985 5 16

O=00 22 03.6 ± 0.10s
 LAT=56.64 S ± 2.40km
 LONG= 25.45 W ± 3.42km
 DEPTH= 32 km ± 0.29km
 STATIONS USED = 31, STAND DEV = 2.04s
 M_s=6.3 / 1,

GTA	140.7	92	ePKP	00 41 31.1	-0.5		
XAN	141.7	107	ePKP	00 41 30.8	-2.4		
NJ2	145.2	120	+PKP	00 41 39.0	-0.2		
SSE	145.5	124	PKP	00 41 38.0	-1.7		
			LZ	Ms=6.3	18.0	3.16	
TIY	146.4	106	ePKP	00 41 41.3	0.0		
BTO	147.2	100	ePKP	00 41 44.0	1.4		
TIA	147.7	113	ePKP	00 41 44.0	0.7		
HHC	148.2	101	ePKP	00 41 46.0	1.7		
BJI	150.1	107	ePKP	00 41 52.0	4.9		
DL2	152.0	115	-iPKP	00 41 56.3	6.2		

1985 5 16

O=00 33 00.1 ± 0.10s
 LAT=56.53 S ± 3.12km
 LONG= 25.19 W ± 3.19km
 DEPTH= 32 km ± 0.15km
 STATIONS USED = 18, STAND DEV = 2.33s
 M_s=5.4 / 1,

GTA	140.6	92	ePKP	00 52 25.5	-2.2		
NJ2	145.1	119	-PKP	00 52 35.3	-0.1		
			LZ	Ms=5.4	18.0	0.40	
SSE	145.4	123	ePKP	00 52 35.8	-0.1		
TIY	146.3	106	-PKP	00 52 38.0	0.5		
BTO	147.0	100	ePKP	00 52 40.0	1.2		
TIA	147.6	113	ePKP	00 52 41.8	2.2		
BJI	150.0	107	ePKP	00 52 47.0	3.7		
DL2	151.9	115	ePKP	00 52 52.1	5.8		

1985 5 16

O=01 06 18.4 ± 0.09s
 LAT=17.76 S ± 0.63km
 LONG=178.57 W ± 1.01km
 DEPTH=579 km ± 0.85km
 STATIONS USED = 56, STAND DEV = 0.82s

NJ2	77.7	310	-P	01 17 18.6	0.5		
GZH	77.9	299	-P	01 17 20.3	1.2		
MDJ	78.0	325	eP	01 17 19.5	0.0		
QZN	79.2	294	eP	01 17 26.3	0.1		
			eS	01 26 35.0	-5.5		
DL2	79.4	317	eP	01 17 26.8	-0.1		
CN2	79.8	322	-iP	01 17 28.8	-0.3		

May,

1985

WHN	80.4	306	eP	01 17 33.0	0.9		
TIA	81.0	312	P	01 17 35.8	0.3		
BJI	83.6	315	eP	01 17 48.0	-0.2		
GYA	84.8	300	P	01 17 55.0	0.5		
TIY	85.0	312	eP	01 17 55.8	0.2		
			PMZ			0.8	0.040
XAN	86.0	307	-P	01 18 00.8	0.5		
KMI	87.6	297	-P	01 18 09.0	1.1		
CD2	88.9	303	P	01 18 14.8	1.3		
GTA	94.8	310	P	01 18 41.0	0.1		

1985 5 16
 O=10 22 46.2 ± 0.07s
 LAT=48.44 N ± 2.13km
 LONG=155.60 E ± 1.45km
 DEPTH= 31 km ± 0.35km
 STATIONS USED = 57, STAND DEV= 1.12s
 Ms=4.8/ 11,

MDJ	18.3	268	eP	10 26 59.5	0.3		
CN2	21.3	269	+P	10 27 30.6	-2.5		
			eS	10 31 14.0	-9.5		
			LE			Ms=4.6	14.0 1.20
SNY	23.4	266	+iP	10 27 54.3	0.6		
			LN			Ms=4.5	18.0 1.07
DL2	26.2	261	eP	10 28 20.3	0.3		
BJI	29.2	268	eP	10 28 46.5	-0.9		
TIA	30.6	261	eP	10 29 00.3	0.0		
			eS	10 33 53.0	-6.6		
			LN			Ms=4.6	15.0 0.40
			LE				15.0 0.60
			LZ			Ms=4.8	15.0 1.09
HHC	31.9	273	eP	10 29 11.0	-0.3		
			LN			Ms=5.0	16.0 1.37
			LE				15.0 0.40
NJ2	32.1	253	eP	10 29 13.0	-0.2		
			LZ			Ms=4.6	20.0 0.89
TIY	32.9	267	P	10 29 20.8	0.6		
			LN			Ms=4.8	13.0 0.66
			LE				13.0 0.31
BTO	33.0	274	eP	10 29 20.0	-1.3		
			eS	10 34 34.0	-3.1		
			LN			Ms=5.1	16.0 1.50
			LE				16.0 1.30
			LZ			Ms=5.0	16.0 1.70
WHN	36.0	255	eP	10 29 45.5	-1.1		
XAN	37.3	265	eP	10 29 58.0	-0.1		
			LN			Ms=4.7	12.0 0.26
			LE				12.0 0.37
LZH	39.5	271	eP	10 30 16.5	0.1		
GTA	40.4	279	P	10 30 23.6	0.1		

			LE			Ms=5.0	14.0 0.90
GZH	41.9	248	eP	10 30 33.5	-2.0		
CD2	42.7	265	P	10 30 43.1	0.6		
GYA	43.7	258	P	10 30 51.6	0.8		
QZN	47.1	248	eP	10 31 17.3	0.1		
			eS	10 38 08.0	1.5		
KMI	47.2	260	+P	10 31 19.0	0.4		

1985 5 16
 O=10 55 06.1 ± 0.11s
 LAT= 5.60 S ± 1.30km
 LONG=151.21 E ± 1.42km
 DEPTH= 37 km ± 0.41km
 STATIONS USED = 33, STAND DEV= 1.85s

QZN	47.5	302	eP	11 03 42.9	2.8		
WHN	50.4	318	eP	11 04 00.0	-2.0		
DL2	52.1	331	eP	11 04 16.0	1.1		
TIA	52.4	325	P	11 04 19.3	1.6		
GYA	53.6	309	P	11 04 29.0	2.3		
CN2	54.4	337	eP	11 04 28.4	-3.8		
XAN	56.1	318	eP	11 04 43.8	-1.0		
CD2	58.1	312	eP	11 04 57.5	-1.0		
HHC	58.8	326	eP	11 05 05.0	1.3		
BTO	59.5	324	eP	11 05 08.4	-0.2		
GTA	65.2	318	eP	11 05 47.3	0.8		

1985 5 16
 O=14 20 24.1 ± 0.11s
 LAT=29.02 S ± 1.73km
 LONG= 77.66 E ± 1.90km
 DEPTH= 10 km ± 0.08km
 STATIONS USED = 97, STAND DEV= 1.07s
 Ms=6.2/ 29, m_B=6.5/ 31

QZN	57.0	37	-iP	14 30 13.0	0.1		
			PMZ			m _B =6.3	7.0 3.20
			PcP	14 31 09.0	1.9		
			S	14 38 09.5	5.0		
			ScS	14 40 02.5	4.7		
			LN			Ms=6.1	16.0 6.90
			LE				15.0 3.70
KMI	59.0	27	-P	14 30 27.5	0.4		
			PMZ			m _B =6.6	6.0 5.40
			S	14 38 34.0	3.3		
			LN			Ms=6.3	17.0 12.2
LSA	59.8	14	-iP	14 30 34.0	1.0		
			PMZ			m _B =6.5	7.0 4.63
			S	14 38 46.5	5.3		
			SMN			m _B =6.3	9.0 3.42
			LN			Ms=6.1	19.0 7.90
GYA	61.8	30	-P	14 30 46.0	-0.2		

			PMZ	$m_B = 6.6$	5.0	3.80			S	14 41 03.3	3.2		
			PP	14 33 02.0	-1.5				SMN	$m_B = 6.6$	9.0	4.24	
			S	14 39 10.0	3.4				LN	$M_s = 6.1$	19.0	6.20	
			SMN	$m_B = 6.4$	8.0	3.50	NJ2	72.3	36	-iP	14 31 52.5	0.2	
			SME		8.0	1.80			PcP	14 32 11.0	1.3		
			ScS	14 40 36.0	2.8				PP	14 34 37.0	3.4		
			LN	$M_s = 6.2$	17.0	7.80			S	14 41 16.0	3.1		
			LE		17.0	6.00			ScS	14 41 56.0	1.9		
			LZ	$M_s = 5.8$	17.0	3.90			LZ	$M_s = 6.1$	18.0	6.20	
GZH	62.2	37	-P	14 30 49.0	0.4		SSE	72.7	38	-iP	14 31 54.0	-1.1	
			PMZ	$m_B = 6.5$	6.0	4.16			PMZ	$m_B = 6.5$	6.0	3.31	
			ScS	14 40 43.0	7.0				S	14 41 19.0	0.5		
			LN	$M_s = 6.1$	16.0	5.78			SMZ		8.0	2.24	
			LE		15.0	3.52			PS	14 41 58.0			
CD2	64.6	25	-iP	14 31 04.0	-0.5				LN	$M_s = 6.5$	22.0	16.7	
			PMZ	$m_B = 6.5$	9.0	5.02			LE		22.0	7.05	
			iS	14 39 43.0	0.1				LZ	$M_s = 6.9$	20.0	43.7	
			LN	$M_s = 6.2$	16.0	8.00	WMQ	73.1	8	-iP	14 31 56.5	-0.7	
			LZ	$M_s = 6.1$	15.0	6.58			PMZ	$m_B = 6.8$	6.0	6.87	
QZH	66.5	40	-iP	14 31 16.5	-0.5				pP	14 32 01.0	-1.6		
			S	14 40 03.0	-2.4				PcP	14 32 11.0	-2.1		
			SMN	$m_B = 6.2$	10.0	1.58			PP	14 34 41.5	0.6		
			SME		8.0	1.09			iS	14 41 23.0	-0.8		
			LE	$M_s = 6.1$	19.0	7.44			sS	14 41 28.0	-4.8		
KSH	68.1	359	-P	14 31 27.0	-0.4				PS	14 41 49.0			
			S	14 40 28.0	3.2				SKS	14 41 56.5	-0.6		
			LE	$M_s = 6.4$	14.0	10.2			ScS	14 42 04.0	3.4		
WHN	68.8	34	-iP	14 31 31.0	-0.2				LZ	$M_s = 6.1$	16.0	5.24	
			PMZ	$m_B = 6.6$	6.0	4.51	TIY	73.9	28	-iP	14 32 02.0	-0.3	
			PcP	14 31 56.0	1.0				PMZ	$m_B = 6.6$	7.0	4.95	
			ePP	14 34 05.0	0.5				S	14 41 36.0	4.0		
			S	14 40 35.0	2.6				SMN	$m_B = 6.5$	12.0	5.26	
			SMN	$m_B = 6.3$	10.0	2.87			SKS	14 42 02.5	-1.1		
			iScS	14 41 30.0	3.2				SS	14 46 16.0	-2.5		
			LE	$M_s = 6.2$	16.0	6.52			LN	$M_s = 6.6$	17.0	14.0	
			LZ	$M_s = 6.5$	16.0	14.0			LE		18.0	8.41	
LZH	69.3	22	-iP	14 31 34.5	0.0		TIA	74.7	32	-P	14 32 06.3	-0.6	
			PMZ	$m_B = 6.7$	6.0	5.48			PMZ	$m_B = 6.6$	6.0	3.78	
			PcP	14 31 58.0	0.9				S	14 41 43.0	1.9		
			eS	14 40 41.0	0.9				SMN		16.5	3.70	
			LE	$M_s = 6.3$	19.0	10.3			SME		15.0	3.11	
XAN	69.3	27	-iP	14 31 34.0	-0.7				SKS	14 42 07.5	-2.0		
			PMZ	$m_B = 6.5$	7.0	4.15			LN	$M_s = 6.4$	16.5	9.49	
			iS	14 40 41.0	0.5				LE		15.0	3.11	
			SMN	$m_B = 6.6$	8.0	4.23			LZ	$M_s = 6.3$	15.0	7.11	
			ScS	14 41 35.0	3.9		HHC	76.3	26	-iP	14 32 16.0	0.2	
			SS	14 45 13.0	5.4				PMZ		2.0	3.30	
			LN	$M_s = 6.2$	15.0	7.24			PP	14 35 10.0	2.3		
GTA	71.1	18	-iP	14 31 46.0	0.2				S	14 42 02.0	4.0		
			PMZ	$m_B = 6.5$	6.5	3.40			SMN	$m_B = 6.5$	8.0	3.10	

May, 1985

GYA	14.2	280	eP	00 58 02.0	-1.1
XAN	14.9	311	eP	00 58 10.8	-0.5
CD2	17.5	294	eP	00 58 43.3	-1.7
GTA	23.9	313	eP	00 59 53.6	-0.4

1985 5 17

O=02 44 08.1 ± 0.06s
 LAT=34.34 S ± 1.31km
 LONG= 72.36 W ± 1.24km
 DEPTH= 31 km ± 0.46km
 STATIONS USED = 24, STAND DEV= 1.16s

Ms=5.2/ 2,

WMQ	161.9	53	PKP	03 04 07.5	0.6
GTA	171.9	49	PKP	03 04 15.3	0.6
TIA	172.0	286	ePKP	03 04 14.1	-0.5
			LN	Ms=5.1	22.0 0.31
			LE		22.0 0.18
			LZ	Ms=5.2	22.0 0.44
GYA	172.1	174	ePKP	03 04 16.3	1.5
XAN	178.9	255	ePKP	03 04 14.5	-2.0

1985 5 17

O=12 34 05.7 ± 0.05s
 LAT=53.56 N ± 2.25km
 LONG=166.16 W ± 1.30km
 DEPTH= 28 km ± 0.71km
 STATIONS USED = 14, STAND DEV= 1.25s

CN2	44.6	286	eP	12 42 16.4	-1.0
XAN	60.6	288	eP	12 44 15.8	-1.1
CD2	65.8	290	eP	12 44 51.8	0.3
GYA	67.5	284	P	12 45 03.3	0.9

1985 5 17

O=12 59 59.7 ± 0.09s
 LAT= 5.16 S ± 1.17km
 LONG=151.96 E ± 1.52km
 DEPTH= 62 km ± 0.32km
 STATIONS USED = 64, STAND DEV= 1.24s

Ms=4.7/ 1,

QZH	44.1	314	eP	13 08 06.5	2.2
QZN	47.9	301	eP	13 08 34.6	0.2
WHN	50.5	317	eP	13 08 55.5	1.1
DL2	52.1	330	P	13 09 05.6	-0.2
TIA	52.5	324	eP	13 09 08.8	-0.4
SNY	53.4	334	eP	13 09 11.0	-5.1
			eS	13 16 40.0	-2.0
			LN	Ms=4.7	28.0 0.56
MDJ	53.5	340	eP	13 09 15.4	-0.9
GYA	53.9	308	P	13 09 21.3	1.3
CN2	54.3	337	+P	13 09 22.0	-0.3

BJI	55.7	327	eP	13 09 32.0	-0.8
TIY	56.3	323	eP	13 09 35.9	-1.1
XAN	56.3	317	P	13 09 36.4	-0.6
KMI	56.5	305	eP	13 09 38.5	-0.1
CD2	58.3	311	+iP	13 09 51.5	0.2
HHC	58.9	325	-P	13 09 55.1	0.1
BTO	59.6	324	eP	13 10 00.0	-0.1
LZH	60.9	316	eP	13 10 09.0	-0.2
GTA	65.4	318	P	13 10 38.8	0.3
LSA	67.8	305	eP	13 10 53.8	-0.2
WMQ	75.4	318	P	13 11 39.3	-0.3

1985 5 17

O=20 23 04.8 ± 0.05s
 LAT= 1.96 N ± 0.62km
 LONG=125.58 E ± 0.96km
 DEPTH= 51 km ± 0.27km
 STATIONS USED = 40, STAND DEV= 0.83s

GYA	30.4	325	P	20 29 16.3	1.5
CD2	35.4	327	eP	20 29 59.1	0.6
XAN	35.5	336	P	20 29 58.4	-0.8
BJI	38.9	348	eP	20 30 26.0	-1.2
LZH	39.5	332	eP	20 30 33.0	0.5
SNY	39.7	358	-iP	20 30 35.0	0.6
CN2	41.7	360	+P	20 30 49.0	-1.4
			PcP	20 32 46.0	-0.2
MDJ	42.6	4	+P	20 30 58.5	0.2
LSA	42.8	314	eP	20 31 01.0	0.9
GTA	44.0	331	P	20 31 09.8	-0.2
			PcP	20 32 55.1	0.9
WMQ	53.5	326	P	20 32 22.5	-0.7

1985 5 17

O=20 54 11.8 ± 0.05s
 LAT=17.05 N ± 0.29km
 LONG=145.63 E ± 0.82km
 DEPTH=333 km ± 0.38km
 STATIONS USED = 15, STAND DEV= 0.61s

BJI	34.3	318	eP	21 00 29.0	-0.5
XAN	36.9	304	P	21 00 51.5	-0.3
BTO	38.6	315	eP	21 01 06.3	0.4
GTA	45.5	309	-iP	21 02 01.8	0.6

1985 5 18

O=06 50 53.0 ± 0.13s
 LAT=40.67 N ± 1.81km
 LONG= 71.20 E ± 1.81km
 DEPTH= 34 km ± 0.34km
 STATIONS USED = 20, STAND DEV= 1.90s

Ms=4.5/ 4,

May, 1985

KSH	3.9	107	eP	06 51 53.0	1.1				pPKP	17 19 20.0	2.9			
			LE			Ms=4.8	7.0	16.6	pPKP ₂	17 19 34.0				
WMQ	12.6	70	eP	06 53 54.0	0.7				PP	17 22 34.5	-8.9			
			S	06 56 18.0	4.8				PPMZ			m _B =6.0	7.0 0.90	
			SS	06 56 31.0	2.7				pPP	17 23 03.5				
			LG ₂	06 57 47.0	-2.5				sPP	17 23 13.0				
			LE			Ms=4.5	9.0	1.20	SKKS	17 29 12.0				
GTA	21.9	84	P	06 55 47.3	1.8				ePKP	17 18 54.7	-0.5			
			LE			Ms=4.4	12.0	0.61	PKP ₂	17 19 20.0				
LZH	25.9	90	eP	06 56 25.0	0.6				sPKP	17 19 35.0				
CD2	28.0	100	eP	06 56 44.3	0.8				ePP	17 22 54.0	-2.9			
XAN	30.5	90	P	06 57 04.8	-1.2				eSS	17 42 22.5	-7.3			
			LN			Ms=4.6	12.0	0.31	GTA	157.4	23	-iPKP	17 18 59.8	1.0
			LE				12.0	0.44	pPKP	17 19 28.9	5.2			
GYA	32.5	105	eP	06 57 23.3	-0.4				LE			11.5	0.29	
1985 5 18														
O=09 57 28.7 ± 0.22s														
LAT=36.11 S ± 3.74km														
LONG=100.62 W ± 5.13km														
DEPTH= 9 km ± 1.04km														
STATIONS USED = 18, STAND DEV = 3.31s														
SSE	145.0	274	ePKP	10 17 07.0	-0.5				LSA	159.0	56	PKP	17 19 01.3	0.2
SNY	145.5	293	-PKP	10 17 07.3	-1.0				ePP	17 23 13.5	-6.5			
NJ2	147.2	275	ePKP	10 17 13.4	2.2				TIY	161.3	357	ePKP	17 19 03.8	0.7
TIA	149.6	282	ePKP	10 17 18.6	3.4				sPKP	17 19 42.0				
BJI	150.9	289	ePKP	10 17 22.0	5.0				LZH	161.8	19	-PKP	17 19 05.0	1.3
XAN	155.8	274	ePKP	10 17 23.3	-0.6				TIA	162.0	344	ePKP	17 19 04.4	0.7
1985 5 18														
O=16 59 12.9 ± 0.28s														
LAT=18.94 S ± 1.50km														
LONG= 68.97 W ± 1.55km														
DEPTH= 94 km ± 2.48km														
STATIONS USED = 75, STAND DEV = 1.59s														
m _B =5.9 / 3														
KSH	143.5	48	ePKP	17 18 36.0	-1.7				XAN	164.8	7	PKP	17 19 07.1	0.5
			pPKP	17 19 07.0	4.8				pPKP	17 19 37.4	5.7			
			PP	17 21 50.0	-3.0				sPKP	17 19 45.0				
			PKS	17 22 10.0					NJ2	165.2	333	ePKP	17 19 07.0	0.1
WMQ	148.4	33	PKP	17 18 46.5	0.6				ePP	17 23 50.0	-2.9			
			pPKP	17 19 20.5	9.7				CD2	166.4	28	PKP	17 19 09.1	1.1
			sPKP	17 19 30.0					WHN	168.1	346	PKP	17 19 09.5	0.6
			PP	17 22 19.5	-1.8				pPKP	17 19 39.0	4.9			
MDJ	150.1	333	ePKP	17 18 47.0	-1.5				iPKP ₂	17 20 17.0				
			pPKP	17 19 22.8	9.2				pPKP ₂	17 20 46.0				
			sPKP	17 19 33.0					PP	17 24 03.5	-3.9			
			PP	17 22 33.0	2.5				sPP	17 24 44.0				
CN2	152.4	337	+PKP	17 18 51.0	-1.0				KMI	170.2	50	-PKP	17 19 10.5	0.0
			PKP ₂	17 19 05.0					pPKP	17 19 41.0	5.6			
									sPKP	17 19 52.0				
									ePKP ₂	17 20 30.5				
									pPKP ₂	17 20 58.0				

			PP	17 24 17.5	-0.3			
			PPMZ	$m_B=5.5$	10.0	0.60		
			SKKS	17 30 56.0				
			SS	17 45 08.0	0.3			
			LZ		52.0	2.46		
QZH	170.8	312	ePKP	17 19 10.0	-0.6			
			ePP	17 24 20.0	-1.0			
GYA	171.5	28	PKP	17 19 11.8	0.6			
			pPKP	17 19 42.3	6.0			
			sPKP	17 19 53.0				
GZH	175.3	333	ePKP	17 19 15.0	2.7			
			sPKP	17 19 52.0				
			ePP	17 24 40.0	-3.8			
			PPMZ	$m_B=5.9$	7.0	1.12		
			SS	17 45 56.0	-1.5			
QZN	178.9	86	ePKP	17 19 14.0	0.8			
			pPKP	17 19 44.0	5.6			
			sPKP	17 19 53.0				
			PKP ₂	17 21 06.5				
			pPKP ₂	17 21 38.5				
			PP	17 25 00.0	-0.5			
			pPP	17 26 31.0				

1985 5 19

O = 00 55 10.7 ± 0.05s

LAT = 29.70 N ± 1.31km

LONG = 51.12 E ± 0.69km

DEPTH = 33 km ± 0.18km

STATIONS USED = 30, STAND DEV = 1.03s

KSH	22.6	58	eP	01 00 11.0	0.9			
WMQ	32.2	54	P	01 01 38.3	-0.4			
GTA	40.8	63	+iP	01 02 52.6	1.1			
GYA	48.7	80	eP	01 03 54.0	-0.6			
XAN	48.7	69	-iP	01 03 53.0	-1.6			
TIA	54.8	65	P	01 04 40.3	-0.1			

1985 5 19

O = 01 29 07.5 ± 0.06s

LAT = 29.39 N ± 1.14km

LONG = 69.41 E ± 0.80km

DEPTH = 32 km ± 0.12km

STATIONS USED = 38, STAND DEV = 1.04s

$M_s=4.2/2,$

KSH	11.4	27	eP	01 31 52.0	0.5			
			eS	01 33 58.0	-1.1			
			LG ₂	01 35 18.0	-5.8			
			LE	$M_s=4.1$	18.0	1.40		
LSA	18.9	84	eP	01 33 27.0	-2.0			
WMQ	20.5	40	P	01 33 45.5	-0.3			
			pP	01 33 50.0	-4.1			

			PP	01 34 04.5	-2.0			
			eS	01 37 24.0	-5.1			
			SS	01 37 49.0	-9.6			
			LZ	$M_s=4.2$	4.0	0.12		
CD2	29.7	78	eP	01 35 13.4	0.4			
KMI	29.9	90	eP	01 35 15.5	0.6			
GYA	33.0	86	P	01 35 41.8	-0.2			
XAN	33.8	72	eP	01 35 48.1	-0.9			
TIY	36.5	65	eP	01 36 13.1	0.5			
WHN	38.8	77	eP	01 36 32.5	1.5			
GZH	39.7	89	-P	01 36 40.0	0.9			
TIA	40.4	68	-P	01 36 45.8	1.5			
NJ2	42.3	73	eP	01 37 01.5	1.2			

1985 5 19

O = 07 07 46.3 ± 0.07s

LAT = 33.91 S ± 1.28km

LONG = 72.34 W ± 1.05km

DEPTH = 35 km ± 0.44km

STATIONS USED = 32, STAND DEV = 1.11s

WMQ	161.6	52	PKP	07 27 45.0	0.5			
KMI	170.3	153	ePKP	07 27 52.0	0.4			
GTA	171.6	47	PKP	07 27 52.8	0.5			
			PKP ₂	07 29 14.8				
TIA	171.9	289	ePKP	07 27 52.1	-0.3			
GYA	172.5	173	ePKP	07 27 55.3	2.5			
CD2	175.5	131	ePKP	07 27 54.5	0.8			
LZH	176.2	54	ePKP	07 27 55.0	1.0			
XAN	178.9	278	ePKP	07 27 54.4	0.1			
			ePKP ₂	07 29 20.3				

1985 5 19

O = 08 07 46.7 ± 0.08s

LAT = 53.74 N ± 1.93km

LONG = 160.36 E ± 1.42km

DEPTH = 60 km ± 0.16km

STATIONS USED = 97, STAND DEV = 1.08s

$M_s=5.7/27,$

$m_B=6.0/9$

MDJ	21.9	258	eP	08 12 36.0	-0.9			
			pP	08 12 46.5	-3.8			
			sP	08 12 53.0	-4.0			
			PP	08 12 57.0	-6.1			
			LZ	$M_s=5.7$	16.0	13.5		
CN2	24.8	261	+iP	08 13 03.8	-1.3			
			PMZ	$m_B=5.8$	4.0	1.50		
			PP	08 13 51.0	8.4			
			S	08 17 19.0	-0.7			
			SS	08 18 11.0	-9.4			
			LE	$M_s=5.7$	14.0	9.90		
SNY	27.1	259	+iP	08 13 26.0	-0.4			

			PMZ		$m_B = 5.8$	5.5	1.19			PcP	08 17 24.3	1.9		
			sP	08 13 45.0	-1.8					ScP	08 21 11.0	6.3		
			PcP	08 16 47.0	1.7					PcS	08 21 14.0	2.5		
			S	08 17 50.0	-7.3					S	08 21 24.0	2.2		
			PcS	08 20 28.5	3.1					ScS	08 25 20.0	2.8		
			ScS	08 24 11.0	2.4					iSKKS	08 47 44.0			
			LN			$M_s = 5.6$	16.0	9.16		LE			$M_s = 5.6$	15.0 3.82
DL2	30.2	256	P	08 13 52.5	-1.0				XAN	40.9	263	+P	08 15 24.8	-0.4
			eS	08 18 45.0	-1.5					ePP	08 17 05.0	2.2		
			LN			$M_s = 5.8$	17.0	9.79		PcP	08 17 26.0	1.6		
			LE				20.0	5.69		PcS	08 21 15.0	1.1		
BJI	32.6	263	-P	08 14 14.5	-0.5					eS	08 21 32.0	0.0		
			esP	08 14 38.0	2.4					LN			$M_s = 6.0$	16.0 5.77
			ePcP	08 17 00.5	1.2					LE				16.0 9.76
			eS	08 19 21.0	-3.9				QZH	42.3	244	+iP	08 15 36.5	0.0
			SMN			$m_B = 5.3$	6.0	0.34		PMZ			$m_B = 6.0$	5.0 1.19
			SME				6.0	0.32		S	08 21 51.0	-0.5		
			ePcS	08 20 45.0	1.8					LN			$M_s = 5.4$	17.0 1.84
			LE			$M_s = 5.6$	19.0	7.40		LE				17.0 1.88
TIA	34.6	257	+P	08 14 31.8	-0.5				LZH	42.5	269	+iP	08 15 39.5	1.1
			ScP	08 20 48.5	5.0					PMZ				1.5 0.32
			S	08 19 52.5	-2.6					esP	08 15 57.0	-2.2		
			LN			$M_s = 5.7$	18.0	4.96		ePP	08 17 17.0	-2.6		
			LE				22.0	7.95		eS	08 21 57.0	1.3		
			LZ			$M_s = 5.7$	22.0	9.52		LN			$M_s = 5.8$	15.0 3.29
BTO	35.9	269	+iP	08 14 43.5	0.1					LE				16.0 4.72
			PP	08 16 11.0	6.2				GTA	42.7	276	+iP	08 15 41.3	1.4
			S	08 20 14.5	-0.5					PP	08 17 30.9	9.4		
			LN			$M_s = 5.7$	17.0	4.40		PcS	08 21 25.0	3.9		
			LE				17.0	5.90		S	08 22 03.0	5.8		
			LZ			$M_s = 5.8$	19.0	9.60		ScS	08 25 36.5	4.9		
SSE	36.1	247	+P	08 14 45.0	0.4					LN			$M_s = 5.9$	14.5 4.83
			PMZ			$m_B = 5.7$	10.0	1.34		LE				15.0 5.53
			ePP	08 16 07.0	0.2				CD2	46.2	264	+P	08 16 08.3	0.4
			eS	08 20 17.0	-1.3					ePP	08 17 55.0	-1.0		
			LN			$M_s = 5.4$	18.0	3.08		PcS	08 21 38.0	2.7		
			LE				18.0	2.30		eS	08 22 50.5	1.7		
TIY	36.3	264	+iP	08 14 47.4	0.4					LN			$M_s = 5.6$	16.0 3.43
			PP	08 16 13.5	3.3					LZ			$M_s = 5.8$	15.0 5.48
			PPMZ				6.0	0.75	GZH	46.6	248	+iP	08 16 12.0	0.7
			S	08 20 20.0	-1.6					PMZ			$m_B = 6.2$	4.0 1.17
			LN			$M_s = 5.8$	19.0	7.06		PcP	08 17 45.0	1.2		
			LE				21.0	7.93		S	08 22 57.0	3.1		
NJ2	36.6	251	+iP	08 14 50.0	0.6					LN			$M_s = 5.4$	16.0 1.09
			PMZ			$m_B = 6.1$	4.0	1.20		LE				18.0 2.14
			pP	08 15 08.0	4.3				WMQ	46.9	289	+iP	08 16 14.3	0.7
			S	08 20 26.0	-0.2					PMZ				2.0 0.93
			LE			$M_s = 5.4$	15.0	3.20		pP	08 16 26.5	-1.6		
WHN	40.3	254	+iP	08 15 20.0	0.0					sP	08 16 31.0	-3.5		
			PMZ			$m_B = 6.0$	4.0	1.02		PcP	08 17 45.5	0.8		

LAT = 57.00 S ± 3.57km
 LONG = 26.71 W ± 3.89km
 DEPTH = 143 km ± 0.87km

STATIONS USED = 46, STAND DEV = 2.75s

QZN	130.3	121	ePKP	06 03 38.8	2.3
GYA	135.1	113	ePKP	06 03 47.0	1.4
CD2	137.1	106	ePKP	06 03 48.3	-1.0
XAN	142.3	108	ePKP	06 03 53.4	-5.1
NJ2	145.6	122	+PKP	06 04 04.5	0.3
SSE	145.9	126	ePKP	06 04 05.5	0.9
			PKP ₂	06 04 09.5	
			pPKP	06 04 41.3	-0.2
TIY	146.9	108	ePKP	06 04 08.0	1.5
BTO	147.8	102	ePKP	06 04 10.5	2.6
TIA	148.2	115	+PKP	06 04 11.8	3.3
BJI	150.6	109	ePKP	06 04 17.5	5.3
DL2	152.5	118	PKP	06 04 22.0	7.0
CN2	158.1	115	ePKP	06 04 18.6	-3.9
MDJ	160.7	120	ePKP	06 04 24.4	-1.0

1985 5 20

O = 10 33 40.7 ± 0.16s
 LAT = 36.18 N ± 1.08km
 LONG = 28.75 E ± 1.17km
 DEPTH = 41 km ± 1.81km

STATIONS USED = 51, STAND DEV = 1.50s

KSH	37.1	70	eP	10 40 51.0	1.2
WMQ	45.0	61	-P	10 41 54.4	0.2
LZH	59.1	66	eP	10 43 39.0	-1.3
CD2	61.3	71	P	10 43 54.8	-0.3
HHC	62.6	58	eP	10 44 04.0	-0.1
KMI	63.2	77	eP	10 44 07.0	-1.2
XAN	63.8	66	eP	10 44 10.4	-1.0
TIY	64.6	61	eP	10 44 16.8	-0.3
GYA	65.7	74	P	10 44 23.4	-0.4
BJI	66.1	57	eP	10 44 26.5	-0.2
TIA	68.6	60	eP	10 44 42.8	0.3
WHN	69.5	67	eP	10 44 48.0	0.5
CN2	70.3	50	eP	10 44 54.0	1.3
NJ2	72.0	63	eP	10 45 01.0	-1.8
QZN	72.0	79	eP	10 45 05.0	2.1
GZH	72.6	74	eP	10 45 07.5	1.2
SSE	74.2	63	eP	10 45 16.5	0.8
			PcP	10 45 33.0	3.2

1985 5 20

O = 15 11 39.9 ± 0.09s
 LAT = 35.53 N ± 1.29km
 LONG = 87.19 E ± 1.12km
 DEPTH = 32 km ± 0.04km

STATIONS USED = 105, STAND DEV = 1.70s

M_s = 6.3 / 43, m_B = 6.1 / 9

LSA	6.7	149	+Pn	15 13 20.8	3.8
			Sn	15 14 34.0	0.3
			LN	M _s = 5.8	13.0 108
WMQ	8.3	3	-iP	15 13 39.0	-1.9
			S	15 15 15.0	0.8
			LG ₁	15 16 04.0	3.7
			LN	M _s = 6.0	8.0 25.6
			LE		8.0 64.0
KSH	9.7	297	eP	15 14 01.0	0.0
			eS	15 15 42.0	-8.5
			LE	M _s = 6.2	6.0 64.1
GTA	10.8	65	P	15 14 13.2	-1.8
			S	15 16 12.0	-2.9
LZH	13.5	83	+P	15 14 49.0	-3.4
			PMZ		2.5 0.45
			LN	M _s = 6.2	10.0 35.9
			LE		8.0 47.9
CD2	14.6	104	+iP	15 15 07.0	0.6
			S	15 17 46.0	-1.6
			LE	M _s = 6.3	7.0 48.8
			LZ	M _s = 6.3	13.0 99.4
KMI	16.9	124	+P	15 15 35.0	-1.5
			S	15 18 36.0	-5.9
			SS	15 18 57.0	-5.7
			LN	M _s = 6.1	10.0 32.6
XAN	17.9	88	+iP	15 15 46.0	-2.5
			PMZ	m _B = 5.6	7.0 2.04
			eS	15 19 08.0	3.3
			LN	M _s = 6.2	10.0 4.78
			LE		10.0 38.0
BTO	18.7	67	+iP	15 15 56.0	-1.7
			S	15 19 19.0	-1.7
			LN	M _s = 6.2	10.0 28.2
			LE		12.0 29.0
			LZ	M _s = 6.2	12.0 48.9
GYA	19.0	113	+P	15 16 00.0	-1.4
			PMZ	m _B = 6.2	5.0 6.50
			S	15 19 28.0	0.5
			LN	M _s = 6.2	12.0 29.1
			LE		12.0 29.0
			LZ	M _s = 6.2	12.0 42.0
HHC	19.9	67	+iP	15 16 11.5	0.1
TIY	20.4	76	+P	15 16 16.0	-0.7
			PMZ	m _B = 5.9	5.0 3.03
			S	15 20 05.5	7.6
			SMN	m _B = 6.3	9.0 6.80
			SME		7.0 5.76
			LN	M _s = 6.4	14.0 77.9

	PcP	19 22 23.0	-2.5		
	ScP	19 26 00.6	0.4		
	eS	19 26 54.0	-2.7		
	sS	19 27 55.0	-2.9		
	ScS	19 30 23.0	3.1		
GTA	43.7 335 +iP	19 20 43.4	0.8		
	PcP	19 22 26.5	0.1		
	ScP	19 26 01.8	0.6		
	ScS	19 30 21.6	0.2		
MDJ	44.7 8 eP	19 20 49.3	-1.1		
WMQ	52.8 330 +iP	19 21 52.0	-0.7		
	PMZ			1.0	0.20
	pP	19 22 28.0	-0.7		
	sP	19 22 47.0	0.4		
	PcP	19 22 58.0	-1.1		
	ScP	19 26 40.0	0.6		
	S	19 29 09.5	3.3		
	ScS	19 31 21.5	-0.2		
	SS	19 32 43.0	-3.1		
KSH	57.0 319 +iP	19 22 23.5	0.8		
	sP	19 23 18.0	1.0		
	iS	19 30 08.0	5.0		
	ScS	19 31 55.0	3.8		

1985 5 21

O = 22 20 49.2 ± 0.22s
 LAT = 53.85 N ± 0.55km
 LONG = 166.93 W ± 0.94km
 DEPTH = 94 km ± 2.08km
 STATIONS USED = 35, STAND DEV = 1.31s

CN2	44.0 286 eP	22 28 48.6	-1.1		
SSE	55.1 276 eP	22 30 12.5	-1.9		
XAN	60.1 288 eP	22 30 48.0	-1.3		
	PcP	22 31 33.8	0.6		
GTA	61.1 298 eP	22 30 55.0	-1.4		
	PcP	22 31 39.0	1.6		
WMQ	63.8 309 eP	22 31 10.0	-4.1		
CD2	65.3 289 eP	22 31 25.0	1.0		
GYA	67.0 284 P	22 31 35.4	0.3		
KMI	70.3 286 +P	22 31 56.5	1.1		

1985 5 21

O = 22 52 56.5 ± 0.08s
 LAT = 27.33 S ± 2.35km
 LONG = 176.29 W ± 2.66km
 DEPTH = 35 km ± 0.70km
 STATIONS USED = 37, STAND DEV = 1.58s

SSE	83.3 310 eP	23 05 21.5	-0.2		
NJ2	85.4 310 eP	23 05 33.3	0.7		
MDJ	87.0 325 eP	23 05 38.5	-1.7		

WHN	87.7 306 P	23 05 45.0	1.2		
DL2	87.7 316 eP	23 05 45.0	1.1		
CN2	88.6 322 eP	23 05 48.0	-0.2		
TIA	89.0 312 -P	23 05 50.5	0.5		
GYA	91.4 299 P	23 06 02.0	0.9		
BJI	91.8 315 eP	23 06 03.0	-0.1		
TIY	93.0 311 eP	23 06 09.5	1.0		
XAN	93.5 307 eP	23 06 11.5	0.8		
KMI	93.8 296 -P	23 06 14.0	1.6		
CD2	95.7 302 P	23 06 23.3	2.3		

1985 5 22

O = 00 09 07.4 ± 0.06s
 LAT = 39.61 N ± 0.56km
 LONG = 118.83 E ± 0.40km
 DEPTH = 14 km ± 0.17km
 STATIONS USED = 6, STAND DEV = 1.90s

M_L = 2.9 / 7,

BJI	2.1 283 ePn	00 09 43.5	1.1		
	eSn	00 10 10.0	-0.1		
	SMN	M _L = 3.3	0.5	0.30	
	SME		0.5	0.20	
DL2	2.3 107 ePg	00 09 47.0	-0.8		
	Sg	00 10 12.0	-7.0		
	SMN	M _L = 2.7	0.3	0.060	
	SME		0.3	0.050	

1985 5 22

O = 08 27 36.9 ± 0.43s
 LAT = 37.83 N ± 3.29km
 LONG = 125.39 E ± 2.12km
 DEPTH = 5 km
 STATIONS USED = 5, STAND DEV = 4.51s

M_L = 3.3 / 6,

DL2	3.1 291 ePg	08 28 31.5	-0.9		
	Sg	08 29 16.1	0.8		
	SMN	M _L = 3.3	0.3	0.15	
	SME		0.3	0.090	
SNY	4.2 341 -Pg	08 28 53.3	1.8		
	Sn	08 29 29.6	-4.5		
	Sg	08 29 48.6	-0.7		
	SMN	M _L = 3.4	0.8	0.040	
	SME		0.8	0.10	

1985 5 22

O = 10 51 46.6 ± 0.06s
 LAT = 39.72 N ± 0.69km
 LONG = 118.44 E ± 0.61km
 DEPTH = 6 km ± 0.17km
 STATIONS USED = 20, STAND DEV = 3.98s

$M_L = 3.7 / 26,$						
BJI	1.8	281	ePn	10 52 18.5	0.4	
			Pg	10 52 20.5	2.5	
			Sg	10 52 44.5	2.2	
			SMN	$M_L = 4.2$	0.5	2.11
			SME		0.5	2.15
DL2	2.6	107	ePn	10 52 30.6	1.2	
			Pg	10 52 32.4	-0.1	
			Sg	10 53 09.0	1.0	
			SMN	$M_L = 3.5$	0.4	0.24
			SME		0.4	0.24
TIA	3.7	197	ePn	10 52 45.0	1.1	
			Pg	10 52 55.5	4.4	
			Sn	10 53 26.8	-2.5	
			Sg	10 53 41.9	0.9	
			SMN	$M_L = 3.4$	1.0	0.12
			SME		1.0	0.10
			SMZ	$M_L = 3.7$	1.0	0.13
SNY	4.4	60	-Pg	10 53 09.1	4.2	
			Sn	10 53 43.8	-4.8	
			Sg	10 54 07.3	1.9	
			SMN	$M_L = 3.8$	0.8	0.18
			SME		0.8	0.13
TIY	5.1	249	ePn	10 53 06.0	2.0	
			Pg	10 53 16.4	-0.4	
			Sn	10 54 11.3	5.9	
			Sg	10 54 23.6	-3.0	
			SMN	$M_L = 3.9$	0.8	0.14
			SME		0.8	0.12
HHC	5.4	284	ePg	10 53 25.0	3.1	
			Sg	10 54 36.4	1.2	
			SMN	$M_L = 3.7$	0.8	0.070
			SME		0.8	0.080
BTO	6.5	280	ePg	10 53 46.9	5.0	
			Sg	10 55 19.0	8.3	
			SMN	$M_L = 3.7$	0.6	0.070
			SME		0.6	0.020
			SMZ	$M_L = 3.8$	0.6	0.040
CN2	6.6	50	-Pg	10 53 47.8	3.9	
			Sg	10 55 12.0	-2.5	
			SMN	$M_L = 4.0$	1.0	0.070
			SME		1.0	0.090

1985 5 22

$O = 11 11 44.9 \pm 0.06s$
 $LAT = 39.72 N \pm 0.57km$
 $LONG = 118.43 E \pm 0.45km$
 $DEPTH = 4 km \pm 0.11km$
 STATIONS USED = 7, STAND DEV = 2.65s
 $M_L = 3.2 / 7,$

BJI	1.8	281	ePn	11 12 14.0	-2.5	
			Pg	11 12 16.0	0.0	
			eSg	11 12 40.0	-0.1	
			SMN	$M_L = 3.4$	0.5	0.45
			SME		0.5	0.34
DL2	2.6	107	ePg	11 12 30.6	-0.5	
			Sg	11 13 04.0	-2.8	
			SMN	$M_L = 3.5$	0.4	0.24
			SME		0.4	0.24

1985 5 22

$O = 13 57 54.2 \pm 0.14s$
 $LAT = 31.26 N \pm 1.62km$
 $LONG = 73.29 E \pm 2.62km$
 $DEPTH = 30 km \pm 0.44km$
 STATIONS USED = 47, STAND DEV = 2.10s
 $M_s = 4.3 / 3,$

KSH	8.5	14	-iP	13 59 58.0	0.0	
			S	14 01 31.0	-2.2	
LSA	15.5	91	eP	14 01 33.3	0.7	
WMQ	16.9	38	+iP	14 01 47.5	-3.3	
			pP	14 01 53.0	-4.8	
			PP	14 02 06.5	1.9	
			S	14 04 51.0	-5.3	
			LE	$M_s = 4.5$	6.0	0.60
GTA	23.1	62	P	14 03 00.0	1.5	
			LE	$M_s = 4.2$	8.5	0.22
LZH	25.8	71	eP	14 03 26.0	0.9	
CD2	26.1	83	P	14 03 28.9	1.7	
KMI	26.6	96	+P	14 03 33.0	0.5	
GYA	29.5	91	P	14 03 59.3	0.5	
XAN	30.0	75	eP	14 04 01.4	-1.7	
BTO	31.0	62	eP	14 04 12.0	0.4	
BJI	35.6	64	eP	14 04 52.5	0.7	
TIA	36.6	70	eP	14 05 00.3	0.8	
NJ2	38.6	77	-P	14 05 17.0	0.6	

1985 5 22

$O = 14 51 57.6 \pm 0.07s$
 $LAT = 39.71 N \pm 0.83km$
 $LONG = 118.40 E \pm 0.57km$
 $DEPTH = 8 km \pm 0.22km$
 STATIONS USED = 14, STAND DEV = 2.06s

$M_L = 3.1 / 17,$

BJI	1.7	282	ePn	14 52 26.0	-2.5	
			ePg	14 52 28.0	-0.3	
			eSg	14 52 52.0	-0.2	
			SMN	$M_L = 3.6$	0.5	0.91
			SME		0.5	0.34
DL2	2.6	107	ePn	14 52 39.5	-1.2	

May, 1985

1985 5 22
O = 22 43 31.4 ± 0.08s
LAT = 22.00 N ± 1.56km
LONG = 143.94 E ± 1.87km
DEPTH = 165 km ± 0.46km
STATIONS USED = 30, STAND DEV = 1.51s

SSE	22.2	299	-P	22 48 15.5	0.2		
			PMZ			1.0	0.13
NJ2	24.4	299	-P	22 48 34.0	-2.4		
DL2	25.5	316	-P	22 48 47.5	1.5		
WHN	27.8	294	P	22 49 10.5	3.1		
XAN	33.0	299	cP	22 49 51.4	-1.8		
GTA	41.3	305	cP	22 51 02.6	0.1		
LSA	47.8	291	P	22 51 55.3	0.6		
WMQ	50.9	309	-iP	22 52 19.0	0.6		

1985 5 22
O = 23 16 45.0 ± 0.05s
LAT = 39.73 N ± 0.64km
LONG = 118.43 E ± 0.43km
DEPTH = 7 km ± 0.03km
STATIONS USED = 9, STAND DEV = 1.94s
M_L = 3.0 / 8,

BJI	1.8	281	Pn	23 17 15.5	-0.8		
			Sg	23 17 39.0	-1.4		
			SMN	M _L = 3.4	0.5	0.48	
			SME		0.5	0.37	
DL2	2.6	107	ePn	23 17 30.8	2.9		
			ePg	23 17 36.0	4.8		
			Sg	23 18 05.4	-1.5		
TIA	3.7	197	cPg	23 17 48.3	-1.5		
			Sg	23 18 36.4	-3.4		

1985 5 22
O = 23 46 48.7 ± 0.10s
LAT = 7.02 S ± 2.17km
LONG = 102.50 E ± 2.72km
DEPTH = 33 km ± 0.38km
STATIONS USED = 62, STAND DEV = 1.72s

QZN	26.9	16	cP	23 52 29.3	0.4		
KMI	31.9	0	-P	23 53 15.5	1.1		
GYA	33.5	7	+P	23 53 28.8	0.8		
CD2	37.7	2	P	23 54 04.1	0.4		
LSA	38.1	344	-P	23 54 07.9	0.7		
WHN	39.0	16	cP	23 54 15.5	1.0		
XAN	41.3	8	-iP	23 54 33.4	0.2		
NJ2	41.9	21	+P	23 54 39.3	1.4		
SSE	41.9	24	+P	23 54 39.0	0.8		
LZH	42.9	2	cP	23 54 47.5	1.0		

TIA	45.1	17	cP	23 55 03.8	-0.7		
TIY	45.5	11	+iP	23 55 07.6	0.5		
GTA	46.3	357	-iP	23 55 14.6	1.1		
BTO	47.9	8	cP	23 55 26.1	-0.2		
HHC	48.4	9	cP	23 55 30.3	0.4		
BJI	48.5	14	P	23 55 31.0	0.2		
WMQ	52.3	346	-iP	23 56 00.8	0.5		
KSH	52.4	334	cP	23 55 57.0	-3.4		
CN2	54.7	20	-P	23 56 15.8	-1.7		

1985 5 23
O = 03 54 01.0 ± 0.07s
LAT = 39.61 N ± 0.81km
LONG = 118.44 E ± 0.64km
DEPTH = 13 km ± 0.19km
STATIONS USED = 14, STAND DEV = 4.51s
M_L = 3.3 / 15,

BJI	1.8	284	cPn	03 54 30.5	-1.6		
			Pg	03 54 32.5	-0.2		
			Sg	03 54 56.0	-1.3		
			SMN	M _L = 3.7	0.5	0.91	
			SME		0.5	0.67	
DL2	2.6	105	Pn	03 54 44.1	1.2		
			Pg	03 54 47.8	1.3		
			Sn	03 55 10.9	-5.1		
			Sg	03 55 21.6	-0.2		
			SMN	M _L = 2.9	0.5	0.060	
			SME		0.5	0.060	
TIA	3.6	197	cPn	03 54 55.8	-0.5		
			Pg	03 55 05.8	2.1		
			Sn	03 55 38.8	-1.3		
			Sg	03 55 53.4	1.0		
			SMN	M _L = 2.8	0.3	0.020	
			SME		0.2	0.030	
			SMZ	M _L = 2.9	0.3	0.020	
SNY	4.5	59	cPg	03 55 20.8	0.5		
			Sg	03 56 18.4	-3.2		
			SMN	M _L = 3.3	1.0	0.060	
			SME		1.0	0.040	
TIY	5.1	250	cPg	03 55 40.3	9.6		
			Sg	03 56 35.8	-4.0		
			SMN	M _L = 3.4	0.5	0.030	
			SME		0.5	0.050	
CN2	6.7	49	cPg	03 55 59.4	-0.1		
			Sg	03 57 25.5	-5.6		
			SMN	M _L = 3.4	1.0	0.020	
			SME		1.0	0.020	

1985 5 23
O = 08 03 55.0 ± 0.06s

May, 1985



LAT = 39.48 N ± 0.58km
 LONG = 118.78 E ± 0.44km
 DEPTH = 5 km ± 0.21km
 STATIONS USED = 8, STAND DEV = 1.68s

$M_L = 2.9 / 8,$

BJI	2.1	287	ePn	08 04 30.5	-0.4		
			eSn	08 04 56.0	-3.1		
			SMN	$M_L = 3.4$	0.5	0.30	
			SME		0.5	0.27	
DL2	2.3	104	ePg	08 04 35.0	-0.4		
			Sg	08 05 02.8	-3.8		
			SMN	$M_L = 2.4$	0.6	0.020	
			SME		0.5	0.030	
TIA	3.5	202	ePn	08 04 50.8	0.3		
			Pg	08 05 05.3	8.3		
			Sg	08 05 49.8	4.8		

1985 5 23

O = 10 59 37.2 ± 0.09s
 LAT = 33.00 N ± 0.93km
 LONG = 104.82 E ± 0.95km
 DEPTH = 30 km
 STATIONS USED = 5, STAND DEV = 4.74s

$M_L = 3.2 / 4,$

CD2	2.3	204	Pn	11 00 15.6	2.4		
			Pg	11 00 19.4	1.9		
			Sn	11 00 46.3	4.7		
			Sg	11 00 49.9	1.2		
			SMN	$M_L = 3.2$	0.6	0.15	
			SME		0.6	0.15	
LZH	3.2	346	ePg	11 00 35.5	1.6		
			eSn	11 01 09.0	4.6		
			SMN	$M_L = 3.1$	1.0	0.070	
			SME		1.0	0.070	
XAN	3.6	72	Pn	11 00 30.0	-1.3		
			Pg	11 00 37.6	-3.0		
			Sg	11 01 24.0	-5.7		
			SMN	$M_L = 3.2$	1.0	0.060	

1985 5 23

O = 14 05 18.3 ± 0.10s
 LAT = 5.26 S ± 1.04km
 LONG = 143.38 E ± 1.11km
 DEPTH = 33 km ± 0.29km
 STATIONS USED = 36, STAND DEV = 1.08s

QZN	40.9	307	eP	14 13 00.0	0.4		
SSE	41.9	331	-P	14 13 08.0	0.2		
NJ2	43.8	329	eP	14 13 25.0	1.5		
GYA	47.5	313	eP	14 13 55.0	2.0		
TIA	48.0	331	P	14 13 55.8	-1.0		

KMI	49.7	309	eP	14 14 11.0	1.0		
SNY	50.2	341	-P	14 14 13.3	-0.4		
XAN	50.9	323	-P	14 14 18.0	-0.6		
MDJ	51.2	347	eP	14 14 20.3	-0.6		
CN2	51.5	343	eP	14 14 21.8	-1.2		
BJI	51.6	333	eP	14 14 22.5	-1.3		
CD2	52.2	316	P	14 14 29.3	0.6		
GTA	59.9	322	P	14 15 24.4	0.2		
WMQ	69.9	320	+P	14 16 28.0	-0.8		

1985 5 23

O = 16 02 21.1 ± 0.06s
 LAT = 36.56 N ± 1.09km
 LONG = 22.21 E ± 1.21km
 DEPTH = 40 km ± 0.86km
 STATIONS USED = 86, STAND DEV = 1.23s

$M_s = 5.0 / 5,$

KSH	41.9	69	eP	16 10 13.0	2.6		
WMQ	49.4	60	P	16 11 09.0	-0.5		
			PMZ			2.0	0.14
			S	16 18 15.0	3.8		
			PS	16 18 24.0			
			ScS	16 21 02.0	8.1		
			LZ	$M_s = 5.0$	20.0	0.88	
LSA	57.0	75	eP	16 12 06.0	-0.6		
GTA	59.4	62	P	16 12 22.9	0.1		
			eS	16 20 30.4	2.8		
LZH	63.7	63	-P	16 12 51.5	-0.4		
			PMZ			1.5	0.14
BTO	65.9	56	eP	16 13 06.1	0.0		
CD2	66.1	68	P	16 13 07.0	-0.2		
HHC	66.8	56	+P	16 13 11.5	-0.4		
KMI	68.3	74	+P	16 13 21.0	0.1		
XAN	68.4	63	-P	16 13 21.0	-0.3		
TIY	69.0	58	eP	16 13 24.8	-0.4		
			LN	$M_s = 5.0$	11.0	0.20	
			LE		11.0	0.25	
BJI	70.3	54	eP	16 13 32.0	-1.1		
			e	16 15 12.0			
GYA	70.6	71	+P	16 13 35.4	0.4		
TIA	73.0	57	P	16 13 48.5	-0.7		
CN2	74.0	47	-P	16 13 54.4	-0.9		
			S	16 23 19.0	-3.3		
			LE	$M_s = 5.2$	12.0	0.50	
SNY	74.0	50	eP	16 13 54.4	-0.9		
			LN	$M_s = 5.1$	22.0	0.75	
WHN	74.1	64	eP	16 13 55.5	-0.3		
DL2	74.4	53	eP	16 13 57.3	-0.5		
MDJ	75.9	45	eP	16 14 06.4	0.1		
NJ2	76.5	60	eP	16 14 09.0	-0.3		

May, 1985

1985 5 23

O = 18 50 59.9 ± 0.07s
 LAT = 10.24 S ± 0.99km
 LONG = 165.33 E ± 1.17km
 DEPTH = 37 km ± 0.39km
 STATIONS USED = 66, STAND DEV = 0.97s
 Ms = 4.7 / 2,

SSE	59.0	316	P	19 00 57.5	-1.3		
			PMZ			1.5	0.11
GZH	60.7	304	+P	19 01 11.8	1.2		
QZN	61.9	298	eP	19 01 19.8	0.9		
MDJ	63.4	332	+P	19 01 28.9	0.0		
WHN	63.6	312	P	19 01 29.0	-0.6		
DL2	63.6	323	eP	19 01 29.4	-0.5		
SNY	64.4	327	eP	19 01 35.0	-0.4		
			S	19 10 06.0	-2.9		
			SS	19 14 20.0	-0.8		
			LN	Ms=4.7	22.0	0.37	
TIA	64.7	318	P	19 01 36.8	-0.6		
CN2	64.8	329	-P	19 01 37.0	-1.0		
			eS	19 10 07.0	-8.1		
			LE	Ms=4.7	18.0	0.30	
BJI	67.6	321	eP	19 01 55.5	0.0		
GYA	67.6	304	P	19 01 56.0	0.1		
TIY	68.7	317	P	19 02 03.0	0.5		
XAN	69.3	312	-P	19 02 06.0	-0.1		
KMI	70.4	301	-P	19 02 14.0	1.2		
HHC	71.0	320	-P	19 02 17.3	0.9		
CD2	71.8	307	P	19 02 22.0	0.7		
BTO	71.8	319	eP	19 02 22.0	0.5		
LZH	73.9	312	-P	19 02 35.0	1.0		
			PMZ			1.5	0.020
GTA	78.2	314	-iP	19 02 59.6	1.3		
WMQ	88.2	315	+P	19 03 48.0	-1.5		

1985 5 24

O = 05 15 29.4 ± 0.06s
 LAT = 6.23 S ± 0.95km
 LONG = 154.89 E ± 1.01km
 DEPTH = 67 km ± 0.47km
 STATIONS USED = 61, STAND DEV = 0.92s

QZN	51.0	300	eP	05 24 28.4	1.4		
NJ2	51.3	320	eP	05 24 29.0	-0.1		
WHN	53.3	316	P	05 24 45.3	0.8		
DL2	54.5	328	eP	05 24 52.3	-0.6		
MDJ	55.5	338	eP	05 24 58.3	-2.1		
CN2	56.5	335	P	05 25 06.4	-0.9		
GYA	56.9	307	P	05 25 11.4	0.7		
BJI	58.2	326	eP	05 25 19.0	-0.8		

XAN	59.1	316	+P	05 25 25.3	-0.5		
KMI	59.5	304	+P	05 25 30.0	1.1		
CD2	61.2	310	eP	05 25 40.8	0.2		
HHC	61.4	324	-P	05 25 41.5	-0.3		
LZH	63.7	315	eP	05 25 57.5	0.5		
GTA	68.1	317	P	05 26 25.4	0.2		
LSA	70.8	304	+P	05 26 41.1	-0.6		
WMQ	78.2	317	-P	05 27 24.5	0.2		

1985 5 24

O = 20 04 12.5 ± 0.05s
 LAT = 27.00 N ± 0.49km
 LONG = 101.42 E ± 0.45km
 DEPTH = 6 km ± 0.24km
 STATIONS USED = 7, STAND DEV = 1.60s
 M_L = 3.3 / 3,

CD2	4.4	27	ePn	20 05 22.1	1.9		
			ePg	20 05 32.5	2.3		
			cSn	20 06 13.6	-0.2		
			cSg	20 06 26.0	-4.3		
			SMN	M _L = 3.6	1.0	0.11	
			SME		1.2	0.10	
GYA	4.7	95	ePg	20 05 37.3	1.3		

1985 5 24

O = 20 52 40.7 ± 0.08s
 LAT = 35.98 N ± 1.44km
 LONG = 68.79 E ± 1.25km
 DEPTH = 33 km ± 0.14km
 STATIONS USED = 62, STAND DEV = 1.55s
 Ms = 4.7 / 2,

KSH	6.7	57	Pn	20 54 22.0	5.1		
			Sg	20 56 07.0	-2.8		
			LE	Ms = 5.0	4.0	5.10	
WMQ	16.5	56	P	20 56 29.5	-1.5		
			cS	20 59 23.5	-8.7		
			SS	20 59 45.3	-6.0		
			LN		2.5	0.17	
LSA	19.8	102	P	20 57 11.8	0.2		
GTA	24.7	73	P	20 58 02.5	1.8		
			LE	Ms = 4.4	13.0	0.49	
LZH	28.3	79	eP	20 58 33.5	0.1		
CD2	29.5	90	P	20 58 45.3	0.8		
KMI	31.0	101	eP	20 58 57.5	-0.7		
BTO	32.5	69	eP	20 59 10.8	0.1		
XAN	32.8	81	+P	20 59 12.4	-0.8		
GYA	33.6	96	P	20 59 20.0	-0.3		
HHC	33.6	69	eP	20 59 21.3	0.7		
BJI	37.2	69	eP	20 59 51.5	0.4		
WHN	38.2	85	P	21 00 00.5	1.0		

WHN	52.9	274	+iP	22 13 57.5	-0.3				LN	Ms=6.2	16.5	6.20		
			PMZ			$m_B=6.3$	7.0	2.54	LE		16.0	6.20		
			pP	22 14 09.0	1.8				LZ	Ms=6.2	17.0	10.5		
			PcP	22 15 07.0	0.9				WMQ	59.5	303	+P	22 14 44.8	-0.4
			pPcP	22 15 18.0					PMZ			$m_B=6.1$	7.0	1.89
			PP	22 16 00.0	1.9				pP	22 14 55.0	0.5			
			iPcS	22 19 06.0	2.7				PcP	22 15 32.0	0.4			
			S	22 21 22.0	-0.2				PP	22 17 00.0	2.4			
			PS	22 21 40.0					S	22 22 50.0	0.3			
			ScS	22 23 43.0	2.1				PS	22 23 11.0				
			sScS	22 24 00.0					LZ	Ms=6.3	23.0	17.2		
			LN			Ms=6.0	17.0	3.02	GYA	60.5	276	+P	22 14 52.0	-0.6
			LE				20.0	7.16	PMZ			$m_B=6.3$	5.0	2.10
XAN	53.8	281	+iP	22 14 04.6	-0.6				pP	22 15 05.0	3.1			
			PMZ			$m_B=6.3$	6.0	2.27	PP	22 17 06.0	-1.2			
			PcP	22 15 10.0	0.2				PcS	22 19 41.0	4.0			
			PP	22 16 08.0	1.0				S	22 23 06.0	2.6			
			PPMZ				8.0	1.72	PS	22 23 20.0				
			S	22 21 34.0	-1.6				LN	Ms=5.8	18.0	2.30		
			SMN			$m_B=6.0$	10.0	1.52	LE		18.0	3.70		
			SME				10.0	1.23	KMI	63.9	278	+P	22 15 15.0	-0.4
			LN			Ms=6.2	16.0	4.80	sP	22 15 32.0	3.4			
			LE				16.0	11.0	PP	22 17 37.0	0.2			
QZH	54.2	266	+iP	22 14 08.0	0.5				S	22 23 46.0	-0.3			
			PMZ			$m_B=6.5$	5.0	3.20	SS	22 28 03.0	6.7			
			pP	22 14 18.0	1.0				LZ	Ms=5.9	32.0	8.80		
			PP	22 16 07.0	-3.0				QZN	64.0	268	+iP	22 15 15.0	-0.6
			S	22 21 42.0	2.0				PMZ			$m_B=6.3$	6.5	2.40
			LN			Ms=5.7	21.0	3.85	PP	22 17 38.0	0.6			
			LE				23.0	3.30	S	22 23 54.0	7.0			
LZH	55.6	286	+iP	22 14 18.0	0.2				LN	Ms=5.9	16.0	2.90		
			PMZ			$m_B=6.6$	5.0	4.08	LE		17.0	3.20		
			PcP	22 15 14.0	-2.4				LSA	67.6	290	+iP	22 15 39.8	0.6
			eS	22 22 03.0	3.0				ipP	22 15 52.0	3.8			
			SMN			$m_B=6.2$	8.0	2.67	S	22 24 34.0	3.0			
			LN			Ms=6.4	18.0	13.0	SMN			$m_B=6.2$	7.0	1.79
			LE				19.0	15.1	isS	22 24 49.0	0.9			
GTA	55.7	292	-iP	22 14 19.0	0.1				LN	Ms=6.0	19.0	5.60		
			PMZ			$m_B=6.4$	5.0	2.36	KSH	68.6	307	+iP	22 15 45.0	-0.3
			PP	22 16 25.0	1.0				eS	22 24 50.0	5.0			
			iS	22 22 06.0	3.9									
			SMN			$m_B=6.1$	8.0	2.12						
			LE			Ms=6.2	17.0	10.5						
GZH	58.8	268	+P	22 14 41.0	0.4									
			SS	22 26 34.0	-2.4									
			LN			Ms=5.8	21.0	4.81						
CD2	59.2	282	+iP	22 14 43.0	-0.2									
			PMZ				1.0	0.12						
			PP	22 16 56.0	1.0									
			S	22 22 49.0	3.1				QZH	8.7	345	cP	23 53 06.0	-1.7
									LE			Ms=4.1	17.0	2.02

1985 5 24
 O = 23 50 59.3 ± 0.10s
 LAT = 16.53 N ± 1.50km
 LONG = 120.98 E ± 1.91km
 DEPTH = 12 km ± 0.32km
 STATIONS USED = 65, STAND DEV = 1.71s
 Ms = 4.7 / 17,

May, 1985

GZH	9.7	313	eP	23 53 22.0	-0.1		
			S	23 55 05.0	-6.8		
			LN	Ms=4.6	15.0	3.44	
			LE		12.0	1.36	
QZN	10.9	285	eP	23 53 34.5	-4.0		
			LE	Ms=4.3	17.0	2.10	
NJ2	15.6	353	eP	23 54 42.0	1.3		
			LZ	Ms=4.4	18.0	1.40	
GYA	16.6	309	P	23 54 55.0	1.4		
KMI	19.1	300	+P	23 55 26.5	1.9		
			eS	23 58 54.0	0.0		
			LN	Ms=4.9	12.0	2.40	
TIA	19.9	351	eP	23 55 33.8	-0.2		
			LE	Ms=4.7	15.0	1.74	
			LZ	Ms=4.3	18.0	0.83	
XAN	20.5	330	eP	23 55 40.3	-0.4		
CD2	21.3	315	eP	23 55 49.0	0.9		
			eS	23 59 43.0	3.5		
			LN	Ms=5.2	12.0	2.60	
			LE		12.0	3.00	
DL2	22.3	1	eP	23 56 02.3	3.8		
			LE	Ms=4.7	14.0	1.38	
TIY	22.4	342	eP	23 56 01.8	2.1		
			S	24 00 04.0	4.0		
			LN	Ms=4.7	15.0	0.68	
			LE		14.0	1.28	
BJI	23.8	351	eP	23 56 14.0	0.8		
			eS	24 00 30.0	4.6		
			LE	Ms=4.5	15.0	0.85	
LZH	24.7	325	eP	23 56 23.5	1.0		
			LN	Ms=5.1	12.0	1.26	
			LE		12.0	2.24	
SNY	25.3	5	-P	23 56 27.0	-0.8		
			S	24 00 48.0	-2.5		
			LE	Ms=4.9	14.0	1.76	
HHC	25.6	343	P	23 56 31.5	1.1		
BTO	25.8	341	eP	23 56 32.0	-0.5		
CN2	27.4	7	eP	23 56 49.3	1.7		
			S	24 01 27.0	1.4		
			LN	Ms=4.7	13.0	0.90	
MDJ	28.9	13	eP	23 57 00.0	-0.9		
GTA	29.3	325	P	23 57 06.9	2.1		
LSA	30.3	301	eP	23 57 12.0	-1.7		
WMQ	39.1	321	eP	23 58 27.7	-1.5		

STATIONS USED = 13, STAND DEV = 2.33s

$M_L = 4.1 / 3,$

LSA	3.1	47	ePn	00 29 10.4	4.1
			Pg	00 29 12.4	1.2
			Sg	00 29 55.4	1.7
			SMN	$M_L = 3.8$	1.2 0.38
WMQ	16.2	358	P	00 32 04.6	-1.4
GYA	16.2	90	eP	00 32 06.3	0.2
XAN	18.6	65	eP	00 32 32.8	-3.7

1985 5 25

O = 02 49 42.8 ± 0.08s

LAT = 27.78 N ± 0.89km

LONG = 103.45 E ± 0.79km

DEPTH = 2 km ± 0.40km

STATIONS USED = 9, STAND DEV = 3.13s

$M_L = 3.2 / 7,$

CD2	3.1	5	Pn	02 50 34.9	1.4
			Pg	02 50 41.8	3.7
			Sg	02 51 21.1	0.2
			SMN	$M_L = 3.4$	1.0 0.15
			SME		0.8 0.11
GYA	3.2	114	Pn	02 50 35.4	1.5
			Pg	02 50 46.6	8.1
			Sg	02 51 29.3	7.7
			SMN	$M_L = 2.7$	1.0 0.040
			SME		1.0 0.010

1985 5 25

O = 12 44 33.1 ± 0.07s

LAT = 17.75 N ± 1.11km

LONG = 145.77 E ± 1.63km

DEPTH = 202 km ± 0.29km

STATIONS USED = 97, STAND DEV = 1.14s

SSE	26.0	305	-P	12 49 48.0	-1.1
			pP	12 50 28.0	-0.7
			PP	12 50 40.0	-0.1
			sP	12 50 49.0	-3.6
			S	12 54 02.0	-0.1
QZH	26.3	291	eP	12 49 52.0	0.0
			pP	12 50 30.0	-1.7
			eS	12 54 08.0	0.0
NJ2	28.2	305	-P	12 50 08.5	-0.6
			pP	12 50 50.0	0.5
			sP	12 51 10.0	-3.0
			S	12 54 41.0	3.3
			eScP	12 56 36.0	-1.6
MDJ	30.0	337	eP	12 50 24.3	-1.4
SNY	30.6	326	eP	12 50 29.3	-1.3
			eS	12 55 12.0	-4.8

1985 5 25

O = 00 28 16.2 ± 0.09s

LAT = 27.60 N ± 1.47km

LONG = 88.53 E ± 0.88km

DEPTH = 9 km ± 0.15km

MDJ	12.5	320	eP	04 27 52.0	-0.9		
CN2	14.4	310	-P	04 28 20.5	2.5		
SNY	14.8	300	-P	04 28 27.6	4.2		
			LE			Ms=3.8	24.0 0.51
DL2	15.6	288	-P	04 28 35.0	1.5		
TIA	19.1	279	-P	04 29 15.1	-1.7		
BJI	19.9	291	eP	04 29 23.5	-1.6		
WHN	22.6	265	eP	04 29 53.5	1.1		
TIY	22.8	284	P	04 29 56.2	2.1		
HHC	23.5	292	P	04 30 00.8	-0.1		
BTO	24.7	291	eP	04 30 11.7	-0.4		
XAN	26.1	276	-P	04 30 25.4	-0.5		
GYA	30.4	262	-P	04 31 04.0	-0.9		
CD2	31.2	272	-iP	04 31 10.9	-0.2		
GTA	32.5	289	P	04 31 23.2	0.0		
KMI	34.2	263	eP	04 31 36.5	-1.3		
WMQ	41.1	298	eP	04 32 35.0	-0.1		
LSA	41.8	277	eP	04 32 42.6	0.9		

1985 5 26

O=05 50 08.9 ± 0.05s
 LAT=34.37 N ± 0.75km
 LONG=136.36 E ± 0.85km
 DEPTH=364 km ± 0.49km
 STATIONS USED = 78, STAND DEV = 0.87s

$m_B = 4.6 / 6$

MDJ	11.5	335	eP	05 52 45.6	-0.1		
			S	05 54 51.5	2.0		
SNY	12.5	310	eP	05 52 58.8	1.0		
			sP	05 54 16.0	-1.7		
			iS	05 55 15.0	3.0		
			SMN			$m_B = 4.4$	10.0 0.77
			SME				10.0 0.45
CN2	12.7	321	+P	05 52 59.0	-0.6		
			sP	05 54 18.0	-1.7		
			S	05 55 16.0	1.3		
			SMN			$m_B = 4.5$	7.0 0.50
			SME				7.0 0.40
DL2	12.7	295	P	05 52 59.5	-0.1		
SSE	13.2	260	eP	05 53 05.1	-0.5		
			LE				10.0 0.64
NJ2	14.8	266	eP	05 53 23.2	-0.6		
TIA	15.8	282	-P	05 53 34.1	-0.1		
BJI	17.0	295	eP	05 53 46.0	-0.8		
			eS	05 56 43.0	0.5		
			SMN			$m_B = 4.5$	6.0 0.34
QZH	18.1	243	+iP	05 53 56.5	-0.5		
WHN	19.0	265	-iP	05 54 07.3	1.3		
			PMZ				1.0 4.47
TIY	19.6	287	-iP	05 54 13.0	0.3		

			S	05 57 35.5	6.4		
			SMN			$m_B = 4.8$	8.0 0.58
			SME				7.0 0.28
HHC	20.6	296	P	05 54 23.0	0.3		
			S	05 57 55.0	8.2		
			SMN			$m_B = 4.7$	7.0 0.41
BTO	21.8	294	eP	05 54 33.9	0.4		
			eS	05 58 11.0	4.2		
XAN	22.7	277	-P	05 54 42.2	0.3		
GZH	23.0	247	-iP	05 54 46.6	1.4		
LZH	26.6	283	-P	05 55 17.5	0.2		
GYA	26.7	261	-P	05 55 18.4	-0.4		
			pP	05 56 19.2	-4.4		
			S	05 59 25.6	-0.9		
CD2	27.6	272	-iP	05 55 26.0	-0.5		
			PMZ				0.9 0.17
QZN	28.1	244	eP	05 55 31.8	1.2		
GTA	29.5	291	P	05 55 43.9	0.4		
KMI	30.5	262	eP	05 55 51.0	-1.0		
LSA	38.4	276	+P	05 56 59.0	0.4		
WMQ	38.5	299	eP	05 57 01.0	2.1		
			PMZ				1.5 0.030
			sP	05 58 48.4	-1.5		
			S	06 02 27.5	0.6		
			SMN				3.0 0.060

1985 5 26

O=09 20 01.3 ± 0.13s
 LAT=39.13 N ± 1.44km
 LONG=89.77 E ± 0.61km
 DEPTH=10 km ± 0.01km
 STATIONS USED = 10, STAND DEV = 4.42s

$M_L = 4.2 / 10,$

WMQ	4.9	342	ePn	09 21 18.2	2.1		
			Sg	09 22 34.0	-2.1		
			SMN			$M_L = 4.2$	0.6 0.31
			SME				0.6 0.26
GTA	7.8	85	Pg	09 22 28.7	9.4		
			Sg	09 24 06.2	0.6		
			SMN			$M_L = 4.0$	1.0 0.050
			SME				1.0 0.040

1985 5 26

O=10 44 08.1 ± 0.10s
 LAT=16.36 S ± 0.84km
 LONG=168.20 E ± 0.86km
 DEPTH=212 km ± 0.74km
 STATIONS USED = 19, STAND DEV = 0.98s

CN2	71.5	329	P	10 55 08.0	-0.2		
GYA	73.4	305	P	10 55 19.8	0.4		

May, 1985

XAN	75.4	312	eP	10 55 31.2	0.0
KMI	75.9	302	-P	10 55 35.0	1.0
CD2	77.7	307	P	10 55 44.7	1.0

1985 5 26

O=22 19 24.2 ± 0.11s
 LAT= 5.62 N ± 0.71km
 LONG=126.61 E ± 1.04km
 DEPTH=105 km ± 1.27km
 STATIONS USED = 30, STAND DEV= 1.15s

KMI	30.0	313	eP	22 25 25.5	-0.2
TIA	31.7	345	-P	22 25 39.8	-0.4
XAN	32.7	332	-P	22 25 47.6	-1.5
CD2	33.1	322	P	22 25 51.6	-0.8
BJI	35.5	346	eP	22 26 14.0	0.6
SNY	36.2	356	eP	22 26 18.9	0.3
CN2	38.0	359	eP	22 26 33.4	-1.0
MDJ	38.9	3	+P	22 26 42.0	0.2

1985 5 26

O=22 56 40.3 ± 0.20s
 LAT=39.15 N ± 3.01km
 LONG= 89.47 E ± 1.91km
 DEPTH= 34 km ± 0.24km
 STATIONS USED = 37, STAND DEV= 3.39s

M_L=4.8/14,

WMQ	4.9	345	Pn	22 57 52.2	0.7
			Sg	22 59 06.7	-5.9
			SME	M _L =4.7	1.2 0.89
GTA	8.0	85	Pn	22 58 33.1	-2.0
			Pg	22 59 02.7	0.6
			SMN	M _L =4.7	0.9 0.23
			SME		0.9 0.18
KSH	10.5	276	eP	22 59 12.0	0.6
			eS	23 01 11.0	2.3
LZH	11.8	101	eP	22 59 30.2	0.6
BTO	15.8	78	eP	23 00 29.5	6.7
XAN	16.4	102	eP	23 00 27.6	-2.5
HHC	17.0	77	eP	23 00 43.5	6.0
KMI	17.9	137	eP	23 00 48.5	-0.5
TIY	18.0	87	P	23 00 53.6	3.2
BJI	20.6	79	eP	23 01 22.0	2.9
TIA	22.0	89	eP	23 01 37.7	3.7
WHN	22.1	105	eP	23 01 33.0	-1.5
			e	23 01 39.0	
SNY	26.0	73	eP	23 02 17.2	5.2
CN2	27.2	68	eP	23 02 31.0	7.6

1985 5 27

O=06 22 22.1 ± 0.09s

LAT=15.46 N ± 1.08km
 LONG=119.94 E ± 1.41km
 DEPTH= 63 km ± 0.10km
 STATIONS USED = 93, STAND DEV= 1.33s
 M_s=4.8/32, m_B=5.3/5

QZH	9.5	353	eP	06 24 38.0	-1.1
			PMZ	m _B =5.6	4.0 0.56
			sP	06 24 54.0	-3.1
			S	06 26 24.0	-0.1
GZH	9.8	322	P	06 24 39.0	-4.1
			LN	M _s =4.4	11.0 1.38
			LE		11.0 1.72
QZN	10.3	292	eP	06 24 44.9	-4.5
			S	06 26 34.0	-8.6
			LN	M _s =4.7	14.0 3.60
			LE		17.0 4.40
SSE	15.6	4	+P	06 26 02.0	2.2
			PMZ		1.2 0.060
			sP	06 26 20.0	1.6
			LN	M _s =4.5	20.0 2.10
			LZ	M _s =4.6	16.0 2.35
WHN	15.9	342	-P	06 26 03.0	-0.1
			S	06 29 00.0	4.6
			SME	m _B =5.0	8.0 0.58
			LN	M _s =4.6	18.0 2.23
GYA	16.5	314	+P	06 26 12.0	0.5
NJ2	16.5	357	+P	06 26 15.0	3.4
			LZ	M _s =4.5	23.0 2.00
KMI	18.8	304	+P	06 26 40.0	1.0
			eS	06 30 06.0	3.8
TIA	20.8	354	LN	M _s =4.6	12.0 1.19
			eP	06 27 01.2	0.3
XAN	21.0	334	S	06 30 53.0	9.7
			+P	06 27 02.4	-0.4
CD2	21.3	319	iS	06 30 55.0	7.4
			+iP	06 27 07.0	0.7
			eS	06 30 51.5	-2.7
			LN	M _s =4.9	20.0 3.20
TIY	23.1	345	LZ	M _s =5.0	18.0 3.75
			+P	06 27 25.0	1.0
			PMZ		1.0 0.11
			sP	06 27 46.0	1.1
			SMN	m _B =5.5	8.0 0.46
DL2	23.4	3	SME		8.0 0.77
			SS	06 32 22.0	7.8
			LN	M _s =4.9	17.0 2.07
			LE		15.0 0.86
DL2	23.4	3	eP	06 27 27.0	0.6
			esP	06 27 49.0	1.6

May, 1985

O=06 26 34.1 ± 0.05s
 LAT=44.58 N ± 0.39km
 LONG=127.28 E ± 0.46km
 DEPTH= 11 km ± 0.18km
 STATIONS USED = 9, STAND DEV = 1.43s
 M_L = 3.0 / 9,

CN2	1.5	240	Pn	06 27 00.4	-1.4		
			Pg	06 27 04.3	3.1		
			Sn	06 27 21.2	-2.2		
			SMN	M _L = 2.9	0.4	0.15	
			SME		0.4	0.16	
MDJ	1.7	88	ePn	06 27 03.9	0.4		
			Sn	06 27 25.1	-1.4		
			SMN	M _L = 3.0	0.5	0.19	
			SME		0.5	0.13	

1985 5 28

O=06 45 25.3 ± 0.09s
 LAT=36.40 N ± 1.65km
 LONG= 71.23 E ± 1.35km
 DEPTH= 98 km ± 0.34km
 STATIONS USED = 41, STAND DEV = 2.20s

KSH	4.8	49	eP	06 46 40.0	2.6		
			S	06 47 34.0	1.6		
			LE		4.0	3.66	
WMQ	14.6	54	eP	06 48 46.0	-2.4		
			S	06 51 24.3	-3.4		
LSA	18.0	106	P	06 49 32.2	1.4		
GTA	22.7	74	P	06 50 21.6	1.8		
			LE		11.0	0.22	
LZH	26.2	81	eP	06 50 55.0	1.5		
CD2	27.5	92	-P	06 51 07.0	1.7		
BTO	30.5	70	eP	06 51 32.0	0.5		
XAN	30.8	83	P	06 51 33.4	-0.5		
HHC	31.6	69	eP	06 51 42.0	0.4		
GYA	31.7	98	eP	06 51 46.8	4.9		
TIY	32.7	75	eP	06 51 52.0	0.9		
BJI	35.2	70	eP	06 52 13.0	0.7		

1985 5 28

O=08 33 56.3 ± 0.06s
 LAT=36.66 N ± 1.14km
 LONG= 71.04 E ± 0.87km
 DEPTH=210 km ± 0.09km
 STATIONS USED = 66, STAND DEV = 1.09s

KSH	4.8	53	P	08 35 11.0	1.6		
			S	08 36 03.0	-2.5		
WMQ	14.6	56	-iP	08 37 14.0	-0.4		
			S	08 39 58.0	7.6		
LSA	18.2	107	-P	08 37 57.0	0.4		

GTA	22.8	74	-P	08 38 43.8	1.7		
LZH	26.4	81	eP	08 39 16.0	0.6		
CD2	27.7	92	P	08 39 28.0	0.4		
BTO	30.5	71	eP	08 39 52.9	0.2		
			eS	08 44 35.0	-3.1		
XAN	30.9	83	P	08 39 55.0	-0.6		
HHC	31.7	70	eP	08 40 02.7	0.1		
GYA	31.9	98	-P	08 40 04.0	-0.2		
			S	08 44 58.0	0.4		
TIY	32.8	75	eP	08 40 12.5	0.2		
BJI	35.3	70	eP	08 40 33.5	0.3		
			eScP	08 46 21.5	-1.5		
WHN	36.4	87	eP	08 40 42.0	-0.3		
TIA	36.8	77	eP	08 40 46.3	0.2		
GZH	38.8	98	P	08 41 03.0	0.4		
NJ2	39.4	82	+P	08 41 08.8	1.0		
CN2	41.5	63	-P	08 41 24.0	-0.9		
MDJ	44.3	61	eP	08 41 46.8	-0.6		

1985 5 28

O=14 15 26.0 ± 0.08s
 LAT=36.56 N ± 1.47km
 LONG= 71.28 E ± 1.25km
 DEPTH=113 km ± 0.37km
 STATIONS USED = 93, STAND DEV = 2.00s
 m_B = 5.2 / 1

KSH	4.7	51	+iP	14 16 38.0	1.6		
			S	14 17 31.0	1.2		
			LN		3.0	14.1	
WMQ	14.5	55	P	14 18 44.4	-2.4		
			eS	14 21 24.0	-1.0		
			SMN		1.0	0.31	
LSA	18.0	107	P	14 19 27.8	-2.9		
			S	14 22 34.0	-9.3		
			SMN		3.0	0.50	
GTA	22.6	74	+P	14 20 19.8	1.4		
			S	14 24 21.7	8.5		
			SME	m _B = 5.2	9.0	0.49	
LZH	26.2	81	+P	14 20 53.0	0.8		
			PMZ		1.5	0.21	
CD2	27.5	92	eP	14 21 05.4	1.1		
KMI	29.2	104	eP	14 21 19.0	-0.5		
BTO	30.4	70	eP	14 21 30.0	0.0		
XAN	30.7	83	+P	14 21 32.0	-0.7		
HHC	31.5	70	-P	14 21 40.3	0.2		
GYA	31.6	98	+P	14 21 41.2	0.1		
			sP	14 22 22.0	2.8		
			S	14 26 43.8	3.7		
TIY	32.6	75	eP	14 21 49.7	0.0		
			PMZ		0.8	0.040	

BJI	35.1	70	eP	14 22 11.0	0.2
WHN	36.2	87	eP	14 22 20.0	0.4
			pP	14 22 49.0	4.2
TIA	36.6	76	eP	14 22 24.2	0.5
QZN	38.0	107	eP	14 22 35.0	-0.2
GZH	38.6	98	eP	14 22 41.6	1.8
NJ2	39.2	82	+P	14 22 46.6	1.3
DL2	39.5	71	P	14 22 48.4	1.1
SNY	40.4	66	-P	14 22 54.2	-0.3
CN2	41.4	63	eP	14 23 03.0	0.1
SSE	41.4	83	-P	14 23 05.0	1.6
			PMZ		1.0 0.060
MDJ	44.2	61	eP	14 23 25.0	-0.7

1985 5 28

O=15 31 11.2 ± 0.25s
 LAT=24.48 N ± 1.46km
 LONG= 98.86 E ± 1.04km
 DEPTH= 3 km ± 1.69km
 STATIONS USED = 6, STAND DEV = 4.80s
 M_L=3.3/ 4,

KMI	3.6	79	+Pg	15 32 18.0	3.2
			Sg	15 33 03.5	0.1
			SMN	M _L =3.3	1.0 0.080
			SME		1.0 0.070

1985 5 28

O=15 34 16.8 ± 0.11s
 LAT=24.56 N ± 0.87km
 LONG= 98.80 E ± 0.46km
 DEPTH= 16 km ± 0.75km
 STATIONS USED = 6, STAND DEV = 4.88s
 M_L=3.4/ 5,

KMI	3.6	80	+iPg	15 35 23.5	2.3
			Sg	15 36 10.0	-0.5
			SMN	M _L =3.4	1.2 0.11

1985 5 28

O=16 12 04.0 ± 0.06s
 LAT=20.42 S ± 1.20km
 LONG=178.01 W ± 0.40km
 DEPTH=551 km ± 0.95km
 STATIONS USED = 19, STAND DEV = 0.89s

MDJ	80.4	325	eP	16 23 21.0	0.6
CN2	82.2	322	P	16 23 29.0	-0.5
BJI	85.8	315	eP	16 23 47.0	-0.2
XAN	88.1	307	-P	16 23 58.4	0.5
KMI	89.3	297	eP	16 24 05.3	1.5

1985 5 29

			O=04 44 07.6	± 0.28s	
			LAT=45.36 N	± 1.57km	
			LONG=131.36 E	± 1.39km	
			DEPTH= 19 km	± 1.41km	
			STATIONS USED = 12,	STAND DEV = 3.01s	
			M _s =3.9/ 1,	M _L =4.3/ 11,	
MDJ	1.5	240	Pn	04 44 32.3	-1.2
			Pg	04 44 33.8	0.3
			Sn	04 44 54.6	0.8
			Sg	04 44 55.3	1.7
			SMN		2.0 4.11
CN2	4.5	252	-Pn	04 45 14.8	-0.5
			Pg	04 45 31.5	4.4
			Sn	04 46 05.0	-4.1
			Sg	04 46 30.0	1.3
			SMN	M _L =4.1	0.8 0.30
			SME		0.8 0.30
SNY	6.7	241	ePg	04 46 09.4	4.1
			Sg	04 47 37.3	1.0
			SMN	M _L =4.5	0.8 0.27
			SME		0.6 0.22

1985 5 29

O=14 35 44.1 ± 0.11s
 LAT=44.65 N ± 1.06km
 LONG= 81.53 E ± 0.90km
 DEPTH= 30 km
 STATIONS USED = 5, STAND DEV = 4.66s
 M_L=3.1/ 6,

WMQ	4.5	98	ePg	14 37 07.2	3.1
			Sn	14 37 51.2	7.1
			Sg	14 38 03.4	-2.2
			SMN	M _L =2.9	0.5 0.020

1985 5 29

O=15 15 16.7 ± 0.17s
 LAT=29.97 S ± 3.89km
 LONG=178.55 W ± 4.62km
 DEPTH= 33 km ± 0.54km
 STATIONS USED = 53, STAND DEV = 3.23s
 M_s=5.6/ 16, m_B=5.3/ 2

SSE	83.5	311	eP	15 27 47.7	4.5
			LN	M _s =5.8	26.0 3.40
			LZ	M _s =5.6	22.0 1.79
GZH	84.0	301	eP	15 27 48.7	2.6
NJ2	85.6	311	eP	15 27 54.8	0.9
			S	15 38 25.0	4.0
			LZ	M _s =5.6	23.0 1.70
MDJ	88.0	326	eP	15 28 02.6	-3.0
			pP	15 28 12.5	-2.8

LAT=30.15 N ± 1.31km
 LONG=102.85 E ± 1.01km
 DEPTH= 12 km ± 0.46km
 STATIONS USED = 23, STAND DEV = 4.23s

$M_L = 4.2 / 15,$

CD2	1.1	46	+iPg	23 15 57.0	2.3		
			Sn	23 16 16.5	2.9		
			SMN	$M_L = 3.9$	0.7	2.04	
			SME		0.6	2.37	
GYA	5.0	137	ePn	23 16 54.2	3.8		
			Pg	23 17 11.6	8.5		
			Sn	23 17 52.0	2.1		
			Sg	23 18 12.4	1.2		
			SMN	$M_L = 3.8$	1.0	0.24	
			SME		1.0	0.020	
KMI	5.0	181	+iPn	23 16 54.5	3.6		
			Sn	23 17 49.5	-1.1		
			SMN	$M_L = 4.3$	1.8	0.55	
			SME		1.5	0.24	
LZH	6.0	8	ePg	23 17 27.5	6.4		
			eSg	23 18 36.0	-6.6		
			SMZ	$M_L = 4.4$	1.5	0.17	
XAN	6.4	51	Pn	23 17 09.4	-1.1		
			Pg	23 17 33.0	4.0		
			Sn	23 18 21.8	-4.4		
			Sg	23 18 57.0	-0.2		
			SMN	$M_L = 4.5$	1.0	0.25	
			SME		1.0	0.29	
GZH	11.7	124	eP	23 18 35.0	9.4		
			eS	23 20 35.0	-2.5		

1985 5 30

O=00 40 42.2 ± 0.10s
 LAT=30.94 N ± 1.35km
 LONG= 98.26 E ± 1.12km
 DEPTH= 33 km ± 0.07km
 STATIONS USED = 76, STAND DEV = 2.41s

$M_s = 4.7 / 27, M_L = 5.0 / 2,$

CD2	4.7	89	-Pn	00 41 54.4	2.8		
			Pg	00 42 06.0	0.2		
			eSn	00 42 45.0	-1.9		
			LN	$M_s = 5.0$	8.0	19.5	
LSA	6.3	260	Pn	00 42 15.8	2.6		
			Sn	00 43 28.5	3.5		
			LE	$M_s = 4.6$	7.0	4.48	
LZH	6.9	41	ePn	00 42 25.5	3.4		
			LG ₂	00 44 30.0	-0.9		
			LN	$M_s = 4.9$	8.0	6.01	
			LE		9.0	6.68	
KMI	7.0	145	ePn	00 42 25.0	1.6		

			Sn	00 43 48.0	4.3		
			LE	$M_s = 4.5$	10.0	4.15	
GTA	8.5	8	eP	00 42 55.0	8.2		
			LE	$M_s = 5.0$	19.5	18.3	
GYA	8.6	119	+P	00 42 46.8	-1.1		
			S	00 44 24.0	-0.8		
			LN	$M_s = 5.1$	9.0	8.40	
			LE		9.0	4.80	
			LZ	$M_s = 4.7$	9.0	4.00	
XAN	9.5	68	eP	00 42 57.0	-3.2		
			LN	$M_s = 4.4$	12.0	2.31	
			LE		11.0	0.50	
TIY	13.5	56	eP	00 43 53.0	-1.3		
			LG ₁	00 47 51.0	4.3		
			LE	$M_s = 4.5$	11.0	1.61	
BTO	13.6	41	eP	00 43 53.0	-1.8		
			eS	00 46 20.0	-5.4		
			LN	$M_s = 4.8$	11.0	2.00	
			LE		11.0	1.70	
WHN	13.8	88	eP	00 43 58.0	-0.6		
			sP	00 44 07.0	-3.6		
			LN	$M_s = 4.5$	12.0	1.70	
WMQ	15.3	330	eP	00 44 17.5	-0.6		
			S	00 47 04.0	-2.8		
			SS	00 47 23.4	-1.4		
			PcP	00 49 30.3	8.3		
			LE	$M_s = 4.7$	7.0	1.25	
GZH	15.5	117	eP	00 44 18.9	-1.8		
QZN	15.8	136	eP	00 44 25.2	0.8		
			eS	00 47 15.0	-3.9		
			LN	$M_s = 4.7$	14.0	2.10	
			LE		13.0	1.00	
TIA	16.6	66	+P	00 44 34.9	1.1		
			LN	$M_s = 4.1$	10.0	0.32	
			LE		10.0	0.25	
BJI	17.2	53	eP	00 44 42.0	0.8		
			LN	$M_s = 4.8$	9.0	1.37	
			LE		9.0	0.93	
NJ2	17.6	81	eP	00 44 46.0	-0.7		
			eS	00 48 06.0	6.3		
			LN	$M_s = 4.7$	9.0	1.20	
SSE	19.7	84	eP	00 45 11.2	0.0		
			LE	$M_s = 5.1$	10.0	2.79	
			LZ	$M_s = 5.2$	12.0	4.51	
KSH	20.1	301	eP	00 45 18.0	2.3		
			LE	$M_s = 5.0$	8.0	1.80	
DL2	20.7	61	eP	00 45 22.0	-0.4		
SNY	23.0	55	eP	00 45 45.5	0.0		
			eS	00 49 54.0	4.2		
			LN	$M_s = 4.5$	16.0	0.47	

May, 1985

					STATIONS USED = 90, STAND DEV = 1.24						
CN2	25.0	52	LE	16.0	0.64	$m_B = 5.5 / 8$					
			+iP	00 46 05.7	0.9	MDJ	17.3	264	eP	13 10 10.0	-5.0
			PMZ		2.0				sP	13 10 54.0	-2.7
			eS	00 50 25.0	0.8				PcP	13 14 46.0	-3.0
			LN	$M_s = 4.8$	10.0				S	13 13 13.0	-7.7
1985 5 30									ScP	13 18 05.0	-3.4
O	08 32 17.1			$\pm 0.09s$					ScS	13 21 42.0	-5.2
LAT	10.52 S			$\pm 2.30km$					LZ		18.0 1.48
LONG	41.33 E			$\pm 1.45km$		CN2	20.4	266	+P	13 10 44.8	-2.8
DEPTH	9 km			$\pm 0.12km$					pP	13 11 18.0	1.8
STATIONS USED = 59, STAND DEV = 0.97s									sP	13 11 34.0	0.0
$M_s = 5.1 / 5,$									S	13 14 19.0	-2.9
KSH	59.2	31	eP	08 42 21.0	-1.0				SMN	$m_B = 5.5$	7.0 1.10
LSA	62.4	49	-P	08 42 44.0	-0.2				ScS	13 21 59.0	2.1
WMQ	68.5	34	-iP	08 43 23.0	0.0	SNY	22.5	262	+P	13 11 09.9	1.3
			PcP	08 43 47.2	0.0				pP	13 11 44.0	6.0
			PcS	08 47 51.5	0.7				S	13 14 58.0	-2.2
			eS	08 52 26.0	1.6				SMN		20.0 1.57
			LE	$M_s = 4.8$	18.0				SME		15.0 0.87
KMI	69.5	58	eP	08 43 28.0	-1.2	DL2	25.3	258	eP	13 11 35.0	-0.4
			eS	08 52 30.0	-6.3				pP	13 12 09.0	3.2
			LE	$M_s = 5.7$	14.0				S	13 15 40.0	-7.7
CD2	72.6	53	eP	08 43 47.1	-0.7				sS	13 16 45.0	2.9
GYA	73.3	58	P	08 43 51.6	-0.2	BJI	28.3	266	eP	13 12 01.5	-0.6
GTA	73.5	44	P	08 43 53.6	0.4				eS	13 16 34.0	-1.9
			LE	$M_s = 5.1$	10.0	TIA	29.8	258	eP	13 12 15.2	-0.8
LZH	74.9	48	eP	08 44 00.5	-0.4				eS	13 16 55.0	-5.5
XAN	77.9	52	P	08 44 17.4	-0.4	SSE	30.7	246	eP	13 12 24.5	1.1
GZH	77.9	64	P	08 44 19.8	1.7				S	13 17 18.0	5.0
WHN	81.0	57	eP	08 44 36.0	1.2	HHC	30.9	271	eP	13 12 24.0	-1.4
TIY	81.8	49	eP	08 44 39.7	0.6	NJ2	31.4	250	+P	13 12 29.8	-0.2
			LE	$M_s = 5.2$	10.0				S	13 17 26.0	1.2
TIA	84.9	52	+P	08 44 55.6	0.8				sS	13 18 27.0	5.8
NJ2	85.1	56	eP	08 44 56.6	0.7				LE		6.0 1.10
			sP	08 45 06.0	2.3	TIY	32.0	265	P	13 12 35.0	0.0
			LZ	$M_s = 4.9$	20.0				PMZ		1.0 0.050
BJI	85.3	48	eP	08 44 57.0	0.1				pP	13 13 08.0	1.6
			eS	08 55 22.0	-4.9				PP	13 13 55.0	9.2
			ePS	08 56 32.0					eS	13 17 36.0	1.5
SSE	86.8	58	eP	08 45 04.5	0.3				LN		9.0 0.59
			SKS	08 55 32.0	4.5				LE		8.0 0.55
			S	08 55 44.0	4.5	BTO	32.0	271	P	13 12 34.0	-1.3
CN2	93.0	46	eP	08 45 31.5	-1.7				sP	13 13 29.0	4.6
1985 5 30									ePP	13 13 47.0	0.8
O	13 06 20.6			$\pm 0.07s$					eS	13 17 31.0	-4.1
LAT	49.20 N			$\pm 1.88km$					LN		11.0 0.60
LONG	154.11 E			$\pm 1.25km$					LE		11.0 0.60
DEPTH	150 km			$\pm 0.17km$					LZ		11.0 0.80
						WHN	35.2	253	+P	13 13 02.7	-0.2



			eS	13 18 22.0	-3.0				LN	Ms=5.0	10.0	
			SME		m _B =5.0	10.0	0.51		LZ	Ms=4.9	12.0	3.00
			ScP	13 19 01.0	0.8			MDJ	18.1 334	eP	13 25 49.1	0.8
			ScS	13 23 07.0	3.5			DI 2	18.7 308	eP	13 25 55.0	-0.3
			LE			14.0	1.08			eS	13 29 22.0	3.5
XAN	36.4	263	P	13 13 12.2	-0.9					LN	Ms=4.5	12.0 1.00
			S	13 18 42.0	-0.4			NJ2	19.0 285	eP	13 25 59.0	-0.1
			sS	13 19 46.0	6.2					LN	Ms=4.5	13.0 0.78
			ScS	13 23 10.0	0.0					LE		14.0 0.81
QZH	36.8	242	eP	13 13 16.8	1.2			SNY	19.0 318	eP	13 25 59.5	0.3
			S	13 18 52.0	4.9					LN	Ms=4.7	10.0 0.91
			sS	13 19 50.0	5.5					LE		10.0 0.74
GTA	39.3	277	+P	13 13 38.0	1.0			CN2	19.3 325	eP	13 26 05.4	2.9
			S	13 19 22.7	-2.9			TIA	21.1 297	eP	13 26 20.8	-0.6
			LE			12.0	1.10			eS	13 30 16.5	7.9
GZH	41.3	246	P	13 13 54.0	1.1					SMN	m _B =5.4	8.0 0.66
CD2	41.8	263	+P	13 13 57.7	0.3					SME		8.0 0.61
			eS	13 20 01.0	-2.5					LN	Ms=4.7	11.0 0.87
GYA	42.9	256	+P	13 14 07.0	0.3					LE		10.0 0.44
			pP	13 14 44.0	4.5			WHN	22.8 281	eP	13 26 39.0	0.4
			sP	13 15 05.0	8.3					isP	13 26 51.0	-3.2
			S	13 20 17.0	-2.1					isS	13 30 54.0	-4.3
			SMN		m _B =5.8	7.0	0.90			SME	m _B =5.7	11.0 2.68
			SME			7.0	0.70	BJI	23.0 306	eP	13 26 40.0	-0.2
WMQ	44.7	289	+iP	13 14 21.0	0.1			GZH	25.1 263	eP	13 27 00.0	-0.3
			PMZ			1.0	0.19	TIY	25.1 298	-P	13 27 02.5	1.8
			pP	13 14 56.0	2.2					sP	13 27 17.0	0.8
			S	13 20 45.0	0.4					LN	Ms=4.7	13.0 0.77
			ScS	13 24 01.0	1.8					LE		13.0 0.63
			LN			8.0	0.75	HHC	26.6 305	-P	13 27 14.0	-0.5
KMI	46.4	258	+iP	13 14 34.5	0.2			XAN	27.5 289	+P	13 27 21.0	-1.4
			pP	13 15 10.0	2.7			BTO	27.6 303	eP	13 27 23.5	-0.6
			S	13 21 06.0	-2.4			QZN	29.6 258	eP	13 27 41.8	0.1
			SMN		m _B =5.5	10.0	0.68	GYA	30.1 274	eP	13 27 45.6	-0.2
QZN	46.5	246	eP	13 14 36.6	2.0			LZH	31.7 293	eP	13 28 05.0	4.5
			S	13 21 15.0	5.5			CD2	31.9 283	eP	13 28 01.4	-0.7
			SMN		m _B =5.8	9.0	0.90	KMI	33.8 273	eP	13 28 20.5	1.7
			SME			9.0	0.90	GTA	35.1 299	P	13 28 27.2	-2.8
LSA	50.8	272	P	13 15 08.6	-0.3					LE	Ms=4.9	12.5 0.86
KSH	54.4	291	+iP	13 15 35.0	0.1			LSA	42.9 284	eP	13 29 32.0	-2.7
			ScS	13 25 10.0	5.6			WMQ	44.5 305	+P	13 29 48.6	1.3
										eS	13 36 21.5	2.7

1985 5 30

O=13 21 38.0 ± 0.10s
 LAT=28.71 N ± 1.45km
 LONG=140.55 E ± 1.44km
 DEPTH= 44 km ± 0.09km
 STATIONS USED = 58, STAND DEV= 1.52s
 Ms=4.7/ 10, m_B=5.4/ 4

SSE 17.0 283 P 13 25 35.0 1.1

1985 5 30

O=13 51 55.3 ± 0.04s
 LAT=42.07 N ± 0.43km
 LONG= 87.81 E ± 0.30km
 DEPTH= 27 km ± 0.80km
 STATIONS USED = 5, STAND DEV= 2.97s
 M_L=3.2/ 5,

CD2	31.9	283	LE		11.0	2.85
			eP	18 53 45.3	-1.9	
			eS	18 58 56.0	1.6	
			LN	Ms=5.8	16.0	9.70
			LZ	Ms=5.7	13.0	6.60
KMI	33.8	273	eP	18 54 04.0	0.0	
			pP	18 54 15.0	1.2	
			S	18 59 23.0	-0.3	
			LE	Ms=5.5	16.0	5.00
GTA	35.1	298	P	18 54 12.9	-2.0	
			iS	18 59 46.2	1.9	
			LN	Ms=5.6	19.0	6.29
LSA	42.8	284	P	18 55 19.2	-0.7	
			S	19 01 38.5	-1.5	
			SME	m _B =5.6	11.0	1.05
			LE	Ms=5.3	15.0	1.68
WMQ	44.4	304	eP	18 55 32.5	0.3	
			pP	18 55 39.5	-2.7	
			PcP	18 57 14.5	-0.7	
			S	19 02 08.0	5.2	
			ScS	19 05 26.0	2.2	
			LZ	Ms=5.5	20.0	4.01
KSH	53.5	300	eP	18 56 41.0	-1.2	
			ePP	18 58 48.0	4.6	
			LE	Ms=6.0	15.0	7.20

STATIONS USED = 31, STAND DEV = 1.66
 Ms=4.7 / 2, m_B=5.1 / 1

DL2	18.5	308	eP	19 54 34.0	0.5
SNY	18.8	318	eP	19 54 36.3	-0.8
NJ2	18.9	285	eP	19 54 37.8	0.1
TIA	20.9	296	eP	19 54 58.5	-1.0
WHN	22.7	281	eP	19 55 17.5	0.5
			eS	19 59 17.0	1.6
			SME	m _B =5.1	10.0 0.51
BJI	22.8	306	eP	19 55 16.5	-1.5
TIY	24.9	298	+P	19 55 38.2	-0.4
			LN	Ms=5.0	10.0 0.61
			LE		13.0 1.57
HHC	26.4	305	eP	19 55 51.5	-0.8
XAN	27.3	289	P	19 56 00.6	0.0
BTO	27.5	303	eP	19 56 00.4	-1.6
CD2	31.8	283	eP	19 56 39.2	-1.1
WMQ	44.3	304	P	19 58 25.0	0.0

1985 5 30
 O=18 54 29.9 ± 0.13s
 LAT=28.78 N ± 2.18km
 LONG=140.50 E ± 1.60km
 DEPTH=33 km ± 0.32km
 STATIONS USED = 31, STAND DEV = 2.10s
 Ms=5.2 / 1,

DL2	18.6	308	eP	18 58 48.0	0.9
NJ2	19.0	285	+P	18 58 52.2	1.0
TIA	21.0	297	eP	18 59 13.0	-0.6
TIY	25.0	298	eP	18 59 52.3	-0.7
HHC	26.5	305	P	19 00 05.8	-1.0
BTO	27.6	303	eP	19 00 15.0	-1.5
GYA	30.0	274	eP	19 00 37.2	-1.2
CD2	31.9	283	eP	19 00 53.0	-1.6
WMQ	44.4	304	eP	19 02 41.4	1.6
			S	19 09 14.2	3.3
			LN	Ms=5.2	12.0 1.18

1985 5 30
 O=19 58 49.4 ± 0.19s
 LAT=28.70 N ± 2.86km
 LONG=140.57 E ± 2.62km
 DEPTH=33 km ± 0.13km
 STATIONS USED = 43, STAND DEV = 2.48s
 Ms=4.9 / 12, m_B=5.3 / 3

DL2	18.7	308	eP	20 03 10.0	2.3
			eS	20 06 38.0	6.0
			LN	Ms=4.8	11.0 1.68
NJ2	19.0	285	eP	20 03 11.0	-0.5
			LZ	Ms=4.6	20.0 1.80
SNY	19.0	318	eP	20 03 14.7	3.1
QZH	20.0	264	eP	20 03 18.0	-3.8
			LN	Ms=4.5	11.0 0.85
TIA	21.1	297	eP	20 03 33.3	-0.6
			eS	20 07 20.0	-2.3
			LE	Ms=4.9	9.0 1.42
BJI	23.0	306	eP	20 03 53.0	0.2
			LE	Ms=4.9	20.0 2.73
GZH	25.1	263	eP	20 04 20.0	7.2
			SME	m _B =5.6	11.0 2.04
			LN	Ms=4.9	13.0 1.34
			LE		13.0 1.01
HHC	26.6	305	eP	20 04 26.0	-1.1
XAN	27.5	289	eP	20 04 33.4	-1.6
			S	20 09 16.0	4.9
			SMN	m _B =5.3	12.0 1.03
			LN	Ms=5.2	14.0 2.74
BTO	27.7	304	eP	20 04 34.7	-2.0
LZH	31.7	293	eP	20 05 12.0	-1.1

1985 5 30
 O=19 50 21.2 ± 0.08s
 LAT=28.89 N ± 1.89km
 LONG=140.46 E ± 1.54km
 DEPTH=84 km ± 0.75km



		eS	01 44 44.0	-1.3					LN	Ms = 6.0	18.0	10.5
		LN		Ms = 4.8	12.0	0.52			LE		18.0	17.3
		LE			14.0	1.03	WHN	33.2 308	P	07 31 09.0	-0.1	
BTO	27.5 303	eP	01 40 10.0	-0.6					pP	07 31 16.0	-1.6	
		PP	01 40 50.3	-7.9					iPP	07 32 18.0	-1.9	
		eS	01 44 49.0	1.1					eS	07 36 28.0	2.2	
		LN		Ms = 4.6	13.0	0.50			SME		13.0	1.53
		LE			13.0	0.40			LE	Ms = 6.1	17.0	18.5
		LZ		Ms = 4.6	13.0	0.70	DL2	33.3 327	+P	07 31 10.0	-0.2	
LZH	31.6 293	eP	01 40 46.2	-1.0					eS	07 36 28.0	0.1	
CD2	31.8 283	eP	01 40 48.0	-1.0					LN	Ms = 6.1	18.0	18.7
KMI	33.7 273	eP	01 41 06.0	0.1					LE		20.0	13.6
		S	01 46 28.0	2.8				QZN	33.9 286	+iP	07 31 15.5	0.2
		LE		Ms = 4.7	16.0	0.78			PMZ	m _B = 6.0	8.0	2.00
GTA	35.0 298	P	01 41 16.2	-0.5					PP	07 32 25.0	-3.5	
		S	01 46 40.6	-4.2					PPMZ		8.5	2.10
LSA	42.8 284	eP	01 42 24.0	2.3					S	07 36 39.5	3.3	
WMQ	44.3 304	eP	01 42 32.5	-1.5					SS	07 38 43.0	-0.3	
		PMZ			1.7	0.080			LN	Ms = 6.1	18.0	7.00
		eS	01 49 05.5	-0.3					LE		19.0	18.3
		LZ		Ms = 4.4	24.0	0.39	TIA	34.2 319	eP	07 31 17.8	0.0	
									PMZ	m _B = 5.9	7.0	1.21
									PP	07 32 28.5	-3.6	
									S	07 36 39.0	-1.7	
									LN	Ms = 6.2	19.0	13.6
									LE		16.0	17.8
									LZ	Ms = 6.3	18.0	30.4
							SNY	34.5 332	+iP	07 31 20.0	-0.9	
									PMZ	m _B = 5.9	8.0	1.49
									PP	07 32 34.5	-2.6	
									PcP	07 33 52.0	-3.1	
									S	07 36 45.0	-1.4	
									SMN		14.0	4.18
									SME		13.0	3.36
									LN	Ms = 6.1	16.0	14.9
									LE		16.0	9.54
SSE	28.4 315	+iP	07 30 29.0	1.9								
		PMZ		m _B = 6.3	12.0	6.61	MDJ	34.6 341	eP	07 31 20.0	-1.3	
		iPP	07 31 18.0	-0.2					PP	07 32 34.5	-3.0	
		S	07 35 16.0	5.8					S	07 36 43.7	-3.2	
		PcS	07 37 24.0	4.2					PcS	07 37 37.9	-2.6	
		LN		Ms = 5.8	16.0	7.52			LZ	Ms = 6.2	18.0	25.1
		LE			16.0	11.0	CN2	35.3 336	+P	07 31 27.0	-0.9	
		LZ		Ms = 6.2	18.0	35.6			PMZ	m _B = 6.0	6.0	1.50
NJ2	30.6 314	+P	07 30 46.5	0.0					PP	07 32 44.0	-3.3	
		PMZ		m _B = 5.9	6.0	1.20			PPMZ		7.0	4.50
		PP	07 31 45.0	-1.6					PcP	07 34 00.0	2.6	
		S	07 35 40.0	-4.7					S	07 36 58.5	-0.3	
		LZ		Ms = 5.7	20.0	11.5			ScP	07 37 46.0	6.3	
GZH	31.4 294	+iP	07 30 53.0	-0.6					LN	Ms = 6.0	15.0	13.3
		PP	07 31 54.0	-2.9				BJI	37.1 323	eP	07 31 43.0	0.0

1985 5 31

O = 07 24 32.7 ± 0.13s

LAT = 12.35 N ± 1.17km

LONG = 144.39 E ± 1.96km

DEPTH = 29 km ± 0.23km

STATIONS USED = 97, STAND DEV = 1.23s

Ms = 6.1 / 45, m_B = 6.0 / 18

QZH	27.4 301	eP	07 30 14.0	-4.1								
		PP	07 31 03.0	-2.4								
		S	07 34 50.4	-3.8								
		LN		Ms = 5.8	13.0	2.31						
		LE			9.0	10.7						
		LE		Ms = 5.9	13.0	12.2						
SSE	28.4 315	+iP	07 30 29.0	1.9								
		PMZ		m _B = 6.3	12.0	6.61	MDJ	34.6 341	eP	07 31 20.0	-1.3	
		iPP	07 31 18.0	-0.2					PP	07 32 34.5	-3.0	
		S	07 35 16.0	5.8					S	07 36 43.7	-3.2	
		PcS	07 37 24.0	4.2					PcS	07 37 37.9	-2.6	
		LN		Ms = 5.8	16.0	7.52			LZ	Ms = 6.2	18.0	25.1
		LE			16.0	11.0	CN2	35.3 336	+P	07 31 27.0	-0.9	
		LZ		Ms = 6.2	18.0	35.6			PMZ	m _B = 6.0	6.0	1.50
NJ2	30.6 314	+P	07 30 46.5	0.0					PP	07 32 44.0	-3.3	
		PMZ		m _B = 5.9	6.0	1.20			PPMZ		7.0	4.50
		PP	07 31 45.0	-1.6					PcP	07 34 00.0	2.6	
		S	07 35 40.0	-4.7					S	07 36 58.5	-0.3	
		LZ		Ms = 5.7	20.0	11.5			ScP	07 37 46.0	6.3	
GZH	31.4 294	+iP	07 30 53.0	-0.6					LN	Ms = 6.0	15.0	13.3
		PP	07 31 54.0	-2.9				BJI	37.1 323	eP	07 31 43.0	0.0

BTO	27.0	296	eP	10 21 33.2	-0.1		
			eS	10 26 00.0	-5.4		
			LN			Ms=4.6	17.0 0.60
			LE				17.0 0.70
XAN	27.9	282	P	10 21 39.4	-1.7		
LZH	31.8	287	eP	10 22 15.0	-1.2		
CD2	32.7	277	eP	10 22 22.6	-1.4		
GTA	34.8	293	eP	10 22 42.2	0.3		
LSA	43.5	280	P	10 23 55.6	0.5		
WMQ	43.6	301	P	10 23 57.5	2.2		
			PMZ				1.7 0.17
			S	10 30 25.0	5.3		

1985 5 31
 O=13 19 18.4 ± 0.09s
 LAT=30.09 N ± 2.12km
 LONG= 51.63 E ± 1.41km
 DEPTH= 32 km ± 0.35km
 STATIONS USED = 45, STAND DEV= 1.66s

KSH	22.0	58	eP	13 24 16.0	3.8		
WMQ	31.6	54	eP	13 25 42.7	1.3		
LZH	43.7	68	eP	13 27 24.0	1.0		
CD2	44.6	75	eP	13 27 30.8	1.1		
KMI	45.3	83	eP	13 27 35.0	-0.4		
BTO	48.0	61	eP	13 27 57.8	1.0		
XAN	48.2	70	eP	13 27 57.4	-0.8		
HHC	49.1	60	eP	13 28 06.0	0.4		
BJI	52.7	61	eP	13 28 30.0	-2.7		
TIA	54.3	65	eP	13 28 43.7	-0.4		
NJ2	56.7	69	eP	13 29 01.5	-0.6		
CN2	58.7	54	eP	13 29 11.0	-5.1		

1985 5 31
 O=14 53 34.6 ± 0.15s
 LAT=27.81 N ± 1.61km
 LONG=127.80 E ± 1.68km
 DEPTH= 13 km ± 0.07km
 STATIONS USED = 28, STAND DEV= 2.19s
 Ms=3.7/ 1,

NJ2	8.8	301	eP	14 55 43.0	-2.3		
			LE			Ms=3.7	13.0 0.50
XAN	17.3	296	P	14 57 39.8	1.4		
HHC	18.6	318	eP	14 57 54.8	0.2		
GYA	18.9	271	P	14 58 02.0	4.6		
BTO	19.4	316	eP	14 58 04.0	0.2		
CD2	21.2	284	P	14 58 20.8	-1.7		
LZH	21.9	298	eP	14 58 29.0	-0.9		
KMI	22.6	269	eP	14 58 36.0	-0.8		
GTA	25.9	304	P	14 59 07.6	-1.2		

1985 5 31
 O=15 17 11.1 ± 0.18s
 LAT=24.04 N ± 2.47km
 LONG=122.63 E ± 2.51km
 DEPTH= 33 km ± 0.66km
 STATIONS USED = 29, STAND DEV= 2.61s
 Ms=3.5/ 4, M_L=4.0/ 6,

QZH	3.8	285	+Pn	15 18 06.2	-1.4		
			Sn	15 18 45.5	-7.1		
			SMN			M _L =3.7	0.5 0.20
			SME				0.5 0.18
			LE			Ms=3.2	9.0 0.50
SSE	7.1	350	+Pn	15 18 55.5	1.7		
			LZ			Ms=4.0	12.0 1.50
NJ2	8.7	338	eP	15 19 16.0	-1.1		
			LZ			Ms=3.7	14.0 0.60
GYA	14.6	283	eP	15 20 44.6	6.5		
XAN	15.6	313	eP	15 20 52.4	2.3		
BJI	16.9	343	P	15 21 11.0	4.6		
CD2	18.1	296	-P	15 21 20.8	-0.9		
BTO	19.6	330	eP	15 21 40.0	0.1		
CN2	19.9	6	+P	15 21 41.4	-1.0		

1985 5 31
 O=19 42 47.2 ± 0.08s
 LAT=20.12 S ± 1.87km
 LONG=173.57 W ± 1.77km
 DEPTH= 33 km ± 0.19km
 STATIONS USED = 35, STAND DEV= 1.22s

MDJ	82.7	323	eP	19 55 09.8	0.3		
DL2	84.4	315	eP	19 55 19.3	1.1		
CN2	84.6	321	+P	19 55 19.0	-0.4		
SNY	84.6	318	eP	19 55 20.8	1.2		
TIA	86.1	311	eP	19 55 27.7	0.7		
BJI	88.6	314	eP	19 55 39.0	0.2		
GYA	90.1	298	eP	19 55 49.0	2.8		
TIY	90.2	310	eP	19 55 47.5	1.1		
XAN	91.2	306	P	19 55 52.0	0.6		
KMI	92.9	296	eP	19 56 00.0	0.7		

1985 5 31
 O=21 06 50.6 ± 0.11s
 LAT=27.66 N ± 2.07km
 LONG=127.64 E ± 1.98km
 DEPTH= 53 km ± 1.97km
 STATIONS USED = 34, STAND DEV= 2.51s
 Ms=4.2/ 1,

SSE	6.6	303	eP	21 08 24.0	-3.3		
			LZ			Ms=4.2	12.0 2.40
NJ2	8.8	302	+P	21 08 54.5	-3.4		

May, 1985



SNY	14.5	348	eP	21 10 20.0	5.2
BJI	15.6	325	eP	21 10 31.5	3.1
CN2	16.2	354	eP	21 10 38.5	2.0
MDJ	17.0	5	eP	21 10 47.1	0.7
XAN	17.3	296	eP	21 10 51.4	1.5
HHC	18.7	319	eP	21 11 04.2	-2.7
GYA	18.7	271	eP	21 11 10.4	2.7
CD2	21.1	285	+P	21 11 32.7	-0.2
LZH	21.8	299	eP	21 11 41.0	0.2
KMI	22.4	269	+P	21 11 48.5	1.8
GTA	25.9	304	P	21 12 19.5	-0.3
WMQ	35.8	307	eP	21 13 46.3	-1.2

1985 5 31

O=22 38 21.6 ± 0.14s

LAT=42.10 N ± 1.01km

LONG= 80.71 E ± 1.15km

DEPTH= 15 km ± 0.97km

STATIONS USED = 23, STAND DEV = 2.64s

$M_L = 4.1 / 6,$

KSH	4.5	235	ePg	22 39 41.0	0.5			
				Sg	22 40 39.0	-2.2		
WMQ	5.4	69	ePn	22 39 45.8	3.6			
				Pg	22 40 00.8	3.7		
				Sg	22 41 08.0	-3.0		
				SME	$M_L = 4.3$	0.6	0.29	
GTA	14.7	94	P	22 41 55.2	3.5			
				LG ₁	22 46 10.0	5.8		
				LN		3.0	0.22	
				LE		5.0	0.19	
CD2	21.6	114	eP	22 43 13.6	0.6			
XAN	23.5	101	eP	22 43 30.0	-2.6			
GYA	26.4	118	eP	22 44 01.2	1.5			