Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
			1985 3 1				
			O=00 17 18.7	**± 0.06s**			
			LAT=41.58 N	**± 0.83km**			
			LONG= 81.73 E	**± 0.79km**			
			DEPTH= 14 km	**± 0.01km**			
			STATIONS USED = 7, STAND DEV= 1.92s				
			M_L=3.6 / 6,				
WMQ	4.9	61	Pn	00 18 34.0	1.0		
			Sg	00 19 53.4	0.0		
			SMN	M_L=3.1	0.6	0.030	
			SME		0.4	0.020	
			1985 3 1				
			O=02 35 05.7	**± 0.09s**			
			LAT=39.29 N	**± 1.70km**			
			LONG=141.99 E	**± 1.23km**			
			DEPTH= 68 km	**± 1.16km**			
			STATIONS USED = 70, STAND DEV= 1.71s				
MDJ	10.7	304	eP	02 37 39.0	1.1		
			sP	02 37 54.0	−3.8		
CN2	13.2	295	eP	02 38 10.0	−1.8		
SNY	14.2	286	eP	02 38 26.8	1.5		
DL2	15.8	275	P	02 38 47.7	1.9		
BJI	19.9	280	eP	02 39 31.5	−2.7		
TIA	19.9	269	+P	02 39 32.8	−1.6		
NJ2	20.1	256	eP	02 39 35.0	−1.7		
TIY	23.1	275	eP	02 40 13.5	6.4		
WHN	24.2	257	−P	02 40 19.0	1.6		
BTO	24.5	283	eP	02 40 19.1	−1.0		
XAN	26.9	269	eP	02 40 41.8	−1.4		
GZH	29.2	245	+P	02 41 04.4	1.2		
LZH	30.2	276	eP	02 41 11.0	−1.6		
GYA	32.1	257	P	02 41 29.0	−0.2		
CD2	32.2	267	eP	02 41 28.5	−1.3		
GTA	32.4	284	eP	02 41 31.0	−0.7		
KMI	35.8	259	−P	02 42 01.5	0.5		
WMQ	40.3	295	P	02 42 39.0	0.8		
			1985 3 1				
			O=05 54 49.7	**± 0.07s**			
			LAT=29.13 N	**± 0.91km**			
			LONG=130.44 E	**± 1.00km**			
			DEPTH= 46 km	**± 0.31km**			
			STATIONS USED =100, STAND DEV= 1.20s				
			Ms=5.3 / 49,	**m_B=5.7 / 21**			
SSE	8.2	286	+P	05 56 50.6	1.0		
			PMZ			1.0	0.10
			S	05 58 23.5	2.1		
			SS	05 58 34.0	−0.9		
			LE	Ms=5.1		16.0	20.6
			LZ	Ms=5.3		16.0	27.9
NJ2	10.4	289	+iP	05 57 19.0	−0.2		
			PMZ	m_B=5.9		4.0	0.98
			LZ	Ms=5.1		16.0	14.4
QZH	11.4	251	+iP	05 57 31.0	−1.2		
			isP	05 57 46.5	−0.2		
			eS	05 59 39.0	1.1		
			LN	Ms=5.0		8.0	4.63
DL2	12.2	325	+iP	05 57 44.0	0.7		
			PMZ	m_B=6.2		4.0	1.80
			pP	05 57 53.5	1.8		
			eS	06 00 03.0	5.1		
			LN	Ms=5.3		12.0	11.0
TIA	13.2	306	+P	05 57 58.0	0.5		
			PMZ	m_B=6.0		6.0	1.71
			pP	05 58 07.0	1.0		
			eS	06 00 26.2	2.6		
			SMN	m_B=4.7		6.5	0.36
SNY	13.8	338	+P	05 58 06.5	1.3		
			pP	05 58 16.0	2.2		
			S	06 00 38.0	0.7		
			LN	Ms=5.4		13.0	12.4
WHN	14.0	280	−iP	05 58 10.0	2.1		
			PMZ	m_B=6.2		7.0	2.59
			eS	06 00 50.0	7.5		
			LE	Ms=5.2		14.0	8.23
CN2	15.2	346	+P	05 58 24.0	1.3		
			PMZ	m_B=5.8		4.0	1.60
			sP	05 58 39.0	1.6		
			S	06 01 15.0	6.2		
			SME	m_B=5.4		6.0	1.30
			LN	Ms=5.4		12.0	10.5
MDJ	15.5	358	eP	05 58 27.5	1.0		
			S	06 01 18.0	2.4		
			LN	Ms=5.0		12.0	3.75
BJI	16.0	317	eP	05 58 34.5	1.4		
			PMZ	m_B=5.4		7.0	1.29
			ScS	06 10 37.0	1.9		
			SMN	m_B=5.7		5.0	1.20
			SME			5.0	1.40
			LN	Ms=5.5		13.0	11.8
			LE			13.0	5.51
GZH	16.5	253	P	05 58 42.0	2.6		

			pP	05 58 51.0	2.6			
			LN	Ms=5.2		15.0	4.30	
			LE			15.0	5.48	
TIY	17.3	304	+P	05 58 50.0	0.6			
			PMZ	m_B=5.8		6.0	3.17	
			sP	05 59 03.5	−0.8			
			LN	Ms=5.5		12.0	8.98	
			LE			13.0	7.56	
XAN	19.0	290	+P	05 59 08.7	−1.4			
			pP	05 59 20.0	0.6			
			eS	06 02 37.0	1.0			
			sS	06 02 52.0	0.8			
			LN	Ms=5.5		11.0	3.49	
			LE			11.0	8.61	
HHC	19.3	312	−P	05 59 13.8	−0.5			
			SME	m_B=5.4		7.0	0.91	
			LN	Ms=5.3		13.0	4.84	
			LE			13.0	4.24	
			LZ	Ms=5.4		13.0	6.81	
BTO	20.2	310	eP	05 59 22.8	−1.2			
			PMZ	m_B=5.5		5.0	1.20	
			sP	05 59 38.0	−1.9			
			eS	06 03 04.0	0.4			
			sS	06 03 18.0	−1.1			
			SS	06 03 35.0	2.2			
			LN	Ms=5.3		13.0	3.20	
			LE			13.0	3.90	
			LZ	Ms=5.3		13.0	5.70	
GYA	21.2	268	−P	05 59 34.0	0.2			
			sP	05 59 50.0	0.1			
			S	06 03 29.0	8.3			
			LN	Ms=5.5		12.0	5.50	
			LE			12.0	6.20	
			LZ	Ms=5.7		12.0	12.6	
QZN	21.3	246	−P	05 59 35.4	0.7			
			LN	Ms=5.1		16.0	3.80	
CD2	23.2	281	eP	05 59 51.4	−1.7			
			sP	06 00 09.5	0.1			
			LN	Ms=5.8		14.0	8.40	
			LE			14.0	10.6	
			LZ	Ms=5.7		14.0	11.5	
LZH	23.4	294	+P	05 59 54.5	−1.2			
			PMZ			2.0	0.40	
			sP	06 00 11.0	−0.9			
			eS	06 04 04.0	2.0			
			SME	m_B=5.5		6.0	0.71	
			LE	Ms=5.5		13.0	6.60	
KMI	24.9	267	−P	06 00 11.0	0.3			
			sP	06 00 27.5	0.7			
			eS	06 04 31.0	2.5			
			sS	06 04 51.0	3.9			
			LE	Ms=5.6		11.0	6.03	
GTA	27.2	300	P	06 00 30.6	−0.9			
			sS	06 05 29.5	5.1			
			LE	Ms=5.5		15.0	6.89	
LSA	34.1	281	+P	06 01 32.3	−0.7			
WMQ	36.9	305	P	06 01 55.5	−1.1			
			pP	06 02 10.0	1.8			
			sP	06 02 18.2	4.9			
			PP	06 03 26.0	3.4			
			PcS	06 08 03.0	−0.6			
			LN			2.5	0.080	
KSH	45.6	298	eP	06 03 08.0	0.6			
			eS	06 09 47.0	1.5			
			LE	Ms=5.6		12.0	2.40	

1985 3 1
O=06 58 59.2 ± 0.11s
LAT= 4.06 N ± 1.84km
LONG= 78.64 W ± 2.30km
DEPTH= 33 km ± 0.58km
STATIONS USED = 32, STAND DEV= 2.21s

GTA	136.7	2	ePKP	07 18 18.7	−1.0			
XAN	141.4	350	ePKP	07 18 24.0	−4.1			
CD2	145.2	356	PKP	07 18 35.6	1.1			
GYA	149.2	351	PKP	07 18 47.0	5.7			
KMI	151.0	357	ePKP	07 18 46.0	1.9			

1985 3 1
O=08 14 51.1 ± 0.08s
LAT=28.39 N ± 1.15km
LONG=130.97 E ± 1.16km
DEPTH= 42 km ± 0.46km
STATIONS USED = 82, STAND DEV= 1.43s
Ms=4.5/23,

SSE	8.9	290	P	08 17 02.0	1.5			
			eS	08 18 48.0	7.9			
NJ2	11.1	292	+P	08 17 29.0	−1.3			
			LN	Ms=4.6		13.0	0.60	
			LE			13.0	3.20	
QZH	11.6	256	eP	08 17 40.0	3.0			
			eS	08 19 44.0	−1.6			
			LN	Ms=4.0		15.0	0.82	
DL2	13.0	326	eP	08 17 56.4	−0.2			
			LN	Ms=4.3		14.0	1.35	
TIA	14.1	307	eP	08 18 08.8	−1.0			
			pP	08 18 19.5	1.6			
			LN	Ms=4.4		13.0	0.87	
			LE			13.5	1.17	
			LZ	Ms=4.5		13.5	1.72	

WHN	14.6	282	eP	08 18 19.0	1.6		
			PP	08 18 32.0	2.9		
			LE	Ms=4.6		13.0	1.88
SNY	14.7	338	eP	08 18 18.7	0.5		
			eS	08 21 07.0	6.9		
			LN	Ms=4.6		14.0	2.12
CN2	16.0	345	+P	08 18 35.8	0.7		
			PMZ			2.0	0.30
			pP	08 18 44.5	1.1		
			eS	08 21 30.0	−0.6		
			SS	08 21 49.0	−0.4		
			LN	Ms=4.5		13.0	1.40
MDJ	16.2	356	eP	08 18 38.5	0.6		
GZH	16.7	256	eP	08 18 47.0	2.8		
BJI	16.8	317	eP	08 18 46.0	0.4		
			LN	Ms=4.7		16.0	2.19
TIY	18.1	306	eP	08 19 01.0	−0.2		
			S	08 22 25.0	7.5		
			LN	Ms=4.7		13.0	1.32
			LE			14.0	0.92
XAN	19.7	292	+iP	08 19 18.2	−1.4		
			pP	08 19 25.0	−4.0		
			eS	08 22 55.0	1.2		
			sS	08 23 05.0	−2.7		
HHC	20.2	313	eP	08 19 25.0	−0.2		
			eS	08 23 09.0	4.3		
			LN	Ms=4.3		13.0	0.58
BTO	21.1	311	eP	08 19 33.0	−1.4		
			eS	08 23 17.0	−4.6		
			LN	Ms=4.5		13.0	0.70
			LE			13.0	0.50
			LZ	Ms=4.4		13.0	0.70
QZN	21.4	249	eP	08 19 39.0	1.0		
GYA	21.7	271	P	08 19 40.0	−0.3		
			pP	08 19 50.0	−0.4		
			S	08 23 37.0	5.4		
			LE	Ms=4.8		16.0	2.10
CD2	23.8	283	eP	08 19 59.0	−1.9		
			PP	08 20 30.0	−4.0		
			eS	08 24 09.0	−1.2		
			LN	Ms=5.0		11.5	1.70
LZH	24.1	295	+P	08 20 04.5	−0.2		
			PMZ			1.5	0.090
KMI	25.4	269	−P	08 20 17.5	0.7		
			eS	08 24 45.0	6.8		
			LN	Ms=4.7		14.0	1.03
GTA	28.0	301	P	08 20 38.0	−2.5		
			LE	Ms=4.7		14.0	0.82
WMQ	37.7	306	eP	08 22 09.5	4.2		

1985 3 1
O=09 19 21.5 ± 0.12s
LAT=57.44 N ± 1.36km
LONG=125.95 E ± 2.27km
DEPTH= 37 km ± 0.35km
STATIONS USED = 25, STAND DEV= 2.51s
Ms=4.7/ 5,

MDJ	13.0	168	eP	09 22 26.7	−0.5		
			LN	Ms=4.6		8.0	1.51
CN2	13.7	182	eP	09 22 32.0	−3.3		
			LN	Ms=4.7		8.0	1.50
TIY	21.7	210	eP	09 24 11.6	0.4		
			LN	Ms=5.2		11.0	1.83
			LE			11.0	3.04
GTA	24.8	235	eP	09 24 41.0	−0.7		
QZN	40.2	204	eP	09 26 56.5	0.2		
			eS	09 32 53.0	−7.5		
			LE	Ms=5.1		15.0	1.30

1985 3 1
O=12 52 07.2 ± 0.10s
LAT= 2.04 S ± 1.84km
LONG=119.66 E ± 2.36km
DEPTH= 31 km ± 0.35km
STATIONS USED = 85, STAND DEV= 1.63s
Ms=5.0/26, m_B=5.4/ 4

QZN	23.1	336	eP	12 57 12.0	0.9		
			PP	12 57 42.0	1.1		
			S	13 01 09.5	−5.7		
			LN	Ms=4.7		12.0	1.00
GZH	25.7	347	P	12 57 41.0	4.2		
			eS	13 02 06.0	4.6		
			LN	Ms=5.2		11.0	1.59
			LE			11.0	2.15
QZH	26.8	358	eP	12 57 49.5	2.4		
			eS	13 02 24.0	4.2		
			SMN	m_B=5.6		12.0	1.56
			SME			12.0	1.23
GYA	31.0	337	P	12 58 26.0	1.5		
			S	13 03 31.0	5.8		
			LE	Ms=5.0		16.0	1.80
KMI	31.6	330	eP	12 58 31.0	1.1		
			pP	12 58 43.0	4.5		
			eS	13 03 44.0	8.0		
			LN	Ms=5.0		14.0	1.54
WHN	32.8	352	eP	12 58 38.8	−1.3		
			S	13 03 54.0	0.5		
			LE	Ms=5.0		14.0	1.37
SSE	33.0	2	eP	12 58 42.0	0.2		
			eS	13 03 56.0	−1.2		

			eS	13 04 16.0	3.9		
			LN	Ms=5.0		16.0	1.51
NJ2	33.9	359	+P	12 58 49.8	0.0		
			eS	13 04 14.0	2.3		
			LZ	Ms=4.9		18.0	1.30
CD2	36.1	336	P	12 59 07.0	−1.6		
			eS	13 04 47.0	1.4		
			LN	Ms=5.4		12.0	1.70
			LE			12.0	1.70
XAN	37.3	345	eP	12 59 17.7	−0.8		
			S	13 05 05.0	2.2		
TIA	38.1	357	P	12 59 25.0	−0.6		
			PP	13 00 54.0	−1.9		
			S	13 05 14.9	−0.7		
			SMN			25.0	1.30
			SME			25.0	1.02
			LN	Ms=5.0		25.0	1.30
			LE			24.0	1.01
			LZ	Ms=4.9		22.0	1.46
TIY	40.1	351	eP	12 59 41.5	−0.7		
			S	13 05 42.5	−3.1		
			LE	Ms=5.2		14.0	1.46
LZH	40.7	340	eP	12 59 47.0	−0.1		
			PMZ			2.0	0.11
DL2	40.8	2	eP	12 59 46.0	−1.6		
			eS	13 05 57.0	0.5		
			LE	Ms=5.0		13.0	0.78
LSA	41.7	321	P	12 59 55.3	−0.3		
			S	13 06 14.0	4.9		
			LN	Ms=5.0		13.0	0.84
BJI	42.0	356	eP	12 59 56.0	−1.6		
			eS	13 06 16.0	1.5		
			SME	m_B=5.2		8.0	0.31
			LN	Ms=4.6		12.0	0.34
BTO	43.3	349	eP	13 00 08.5	−0.2		
			eS	13 06 32.0	−2.3		
SNY	43.8	4	eP	13 00 10.4	−2.0		
			S	13 06 32.5	−7.4		
			LN	Ms=5.0		15.5	1.00
GTA	45.1	338	P	13 00 23.5	0.6		
			S	13 07 04.0	5.4		
			SME	m_B=5.3		8.5	0.42
			LE	Ms=4.9		16.0	0.79
CN2	45.9	6	eP	13 00 28.4	−1.0		
			pP	13 00 41.0	2.5		
			eS	13 07 08.0	−3.5		
			LN	Ms=5.0		13.0	0.80
MDJ	47.3	10	eP	13 00 37.0	−3.1		
WMQ	53.9	332	P	13 01 30.0	−0.4		
KSH	57.5	321	eP	13 01 57.0	0.5		

			eS	13 09 49.0	−1.6		
			LN	Ms=5.3		14.0	1.00

1985 3 1

O=17 11 17.0 ± 0.10s
LAT= 2.02 S ± 1.81km
LONG=119.80 E ± 2.21km
DEPTH= 15 km ± 0.20km
STATIONS USED =111, STAND DEV= 1.53s
Ms=6.4/49, m_B=6.6/25

QZN	23.1	335	+iP	17 16 25.0	1.5		
			PMZ	m_B=6.4		7.5	10.4
			PP	17 16 56.0	3.0		
			S	17 20 36.0	6.8		
			SMN	m_B=6.4		11.5	14.8
			LN	Ms=6.0		17.0	28.4
GZH	25.7	346	+iP	17 16 51.5	2.6		
			PMZ	m_B=6.8		5.0	11.5
			iS	17 21 21.0	6.0		
			SMN			18.0	63.1
			SME			18.0	41.6
QZH	26.8	358	+iP	17 16 59.0	0.0		
			PMZ	m_B=6.6		6.0	7.57
			iS	17 21 35.0	2.0		
			LN	Ms=6.2		15.0	30.6
			LE			15.0	8.65
GYA	31.0	337	−P	17 17 38.0	1.1		
			PP	17 18 45.0	6.8		
			S	17 22 43.0	3.7		
			SMN	m_B=6.5		9.0	6.20
			SME			9.0	7.10
			LN	Ms=6.3		16.0	21.2
			LE			16.0	25.8
			LZ	Ms=6.3		16.0	31.0
KMI	31.6	330	−P	17 17 44.0	1.6		
			PMZ	m_B=6.5		5.0	3.90
			pP	17 17 50.0	1.6		
			S	17 22 57.0	8.0		
			SME			14.0	20.7
			LE	Ms=6.6		20.0	87.3
WHN	32.8	351	P	17 17 52.5	0.3		
			PMZ	m_B=6.7		6.0	7.34
			S	17 23 10.0	3.0		
			SMN			14.0	14.6
			SS	17 25 10.0	4.9		
			LN	Ms=6.3		17.0	30.9
SSE	33.0	2	+iP	17 17 52.0	−1.6		
			PMZ			1.0	0.040
			S	17 23 04.0	−5.5		
			LN	Ms=6.5		16.0	48.6

			LZ		Ms=6.5	16.0	43.9
NJ2	33.9	359	+P	17 18 01.5	−0.3		
			iS	17 23 24.0	−0.9		
			SMN			18.0	27.1
			LZ		Ms=6.3	20.0	38.4
CD2	36.1	336	P	17 18 20.0	−1.0		
			eS	17 24 00.0	0.3		
			SME			18.0	28.2
			LN		Ms=6.2	12.0	14.6
XAN	37.3	345	eP	17 18 29.1	−1.7		
			S	17 24 10.0	−6.5		
			LN		Ms=6.6	14.0	11.3
			LE			15.0	40.5
TIA	38.1	356	eP	17 18 36.6	−1.0		
			PMZ		m_B=6.6	4.5	5.14
			S	17 24 30.0	1.1		
			SMN			15.0	18.6
			LN		Ms=6.3	14.5	18.9
			LE			16.0	13.1
			LZ		Ms=6.3	14.5	20.0
TIY	40.1	351	P	17 18 54.0	−0.3		
			PMZ		m_B=6.6	6.0	6.14
			S	17 24 56.0	−3.1		
			SMN			17.0	26.8
			LN		Ms=6.4	14.0	9.81
			LE			14.0	25.3
LZH	40.7	340	eP	17 19 00.5	1.0		
			PMZ			0.6	3.57
			ePP	17 20 32.0	−4.1		
			ScP	17 24 46.0	−2.1		
			iS	17 25 11.0	1.4		
			SME			16.0	14.7
			LN		Ms=6.5	14.0	19.5
			LE			14.0	22.7
DL2	40.8	2	P	17 19 00.0	0.5		
			PP	17 20 39.0	2.6		
			PPMZ			7.0	4.51
			PcS	17 24 50.0	−0.1		
			eS	17 25 10.0	0.4		
			LN		Ms=6.4	20.0	35.3
LSA	41.8	321	P	17 19 08.5	0.2		
			iS	17 25 28.0	2.5		
			LN		Ms=6.3	19.0	26.6
BJI	42.0	356	eP	17 19 09.0	−0.6		
			PMZ		m_B=6.6	5.5	5.24
			eS	17 25 21.0	−6.9		
			SMN			15.0	13.5
			LN		Ms=6.3	20.0	26.1
HHC	43.3	351	P	17 19 19.0	−1.7		
			PMZ		m_B=6.5	6.0	4.87
			S	17 25 49.0	2.6		
			LN		Ms=6.6	21.0	46.5
BTO	43.3	349	−P	17 19 20.0	−0.9		
			PP	17 21 04.0	0.7		
			PcP	17 21 13.0	3.8		
			S	17 25 46.0	−0.8		
			SMN		m_B=6.6	12.0	9.30
			SME			12.0	5.70
			LN		Ms=6.4	15.0	21.0
			LE			15.0	8.20
			LZ		Ms=6.5	15.0	26.9
SNY	43.8	4	eP	17 19 21.7	−2.5		
			PP	17 21 07.5	−0.1		
			S	17 25 51.0	−2.1		
			LN		Ms=6.6	18.0	33.8
			LE			18.0	19.4
GTA	45.1	338	P	17 19 35.4	0.1		
			PMZ		m_B=6.6	5.5	5.03
			S	17 26 17.5	4.9		
			SMN			12.5	4.92
			LE		Ms=6.6	19.0	45.7
CN2	45.9	6	+P	17 19 39.6	−1.6		
			PMZ		m_B=6.1	4.0	1.30
			ePP	17 21 25.0	−3.5		
			PPMZ			4.0	3.20
			eS	17 26 20.0	−4.6		
			SMN		m_B=6.3	8.0	3.90
			LN		Ms=6.4	16.0	20.0
MDJ	47.2	10	eP	17 19 49.0	−2.9		
			S	17 26 37.0	−5.8		
			LN		Ms=6.6	20.0	37.7
WMQ	53.9	332	−P	17 20 42.2	−0.7		
			PMZ		m_B=7.0	4.0	7.74
			S	17 28 21.0	5.6		
			SME			18.0	17.7
			LN		Ms=6.8	20.0	51.3
KSH	57.6	321	+P	17 21 09.0	−0.2		
			eS	17 29 11.0	5.7		
			LE		Ms=6.8	21.0	55.4

1985 3 1

O=18 40 52.1 ± 0.12s

LAT= 2.07 S ± 1.93km

LONG=119.81 E ± 2.01km

DEPTH= 33 km ± 0.12km

STATIONS USED = 67, STAND DEV= 1.30s

Ms=5.0/14, m_B=5.6/ 4

QZN	23.1	335	eP	18 45 56.9	0.2		
			S	18 50 04.5	3.2		
			LE		Ms=4.8	15.0	1.50

GZH	25.8	346	eP	18 46 22.0	−0.1		
			eS	18 50 54.0	7.0		
			sS	18 51 02.2	0.3		
			LE	Ms=4.7		11.0	0.74
QZH	26.9	358	eP	18 46 33.0	0.8		
			eS	18 51 04.0	−1.0		
			LN	Ms=4.5		14.0	0.55
GYA	31.1	337	P	18 47 10.4	0.5		
			S	18 52 18.0	6.9		
			LN	Ms=5.0		15.0	0.80
			LE			15.0	1.50
KMI	31.7	330	eP	18 47 16.0	0.5		
			sP	18 47 29.0	0.7		
			S	18 52 28.0	7.2		
			LN	Ms=5.0		12.0	1.20
WHN	32.8	351	eP	18 47 25.5	0.2		
			pP	18 47 34.0	−0.5		
			eS	18 52 40.0	0.4		
			LN	Ms=4.9		18.0	1.52
SSE	33.0	2	eP	18 47 27.5	0.8		
NJ2	33.9	359	eP	18 47 35.0	0.2		
			eS	18 53 02.5	5.8		
			LZ	Ms=5.1		20.0	2.20
CD2	36.2	336	P	18 47 53.6	−0.4		
			eS	18 53 34.0	2.5		
XAN	37.4	345	eP	18 48 03.6	−0.2		
			S	18 53 52.0	3.7		
TIA	38.2	356	P	18 48 10.8	0.2		
			eS	18 54 03.0	1.3		
			LN	Ms=5.0		9.2	0.68
TIY	40.2	351	eP	18 48 27.7	0.4		
			S	18 54 36.0	5.1		
			LN	Ms=4.9		10.0	0.61
LZH	40.8	340	eP	18 48 32.5	0.0		
			PMZ			2.0	0.090
DL2	40.8	2	P	18 48 31.8	−0.7		
			eS	18 54 40.0	−1.4		
			LN	Ms=5.1		18.0	1.42
LSA	41.8	321	P	18 48 41.1	−0.2		
			S	18 55 00.0	4.6		
BJI	42.0	356	eP	18 48 42.5	−0.1		
			eS	18 55 04.0	4.4		
			SME	m_B=5.4		6.0	0.43
BTO	43.4	349	eP	18 48 53.0	−0.9		
SNY	43.8	4	−P	18 48 56.1	−1.1		
			S	18 55 27.6	2.8		
GTA	45.2	338	P	18 49 08.9	0.6		
			eS	18 55 37.5	−8.1		
			LE	Ms=5.0		14.0	0.74
CN2	45.9	6	eP	18 49 12.8	−1.4		
MDJ	47.3	10	eP	18 49 22.7	−2.1		
WMQ	54.0	332	+P	18 50 15.0	−0.8		
			S	18 57 53.0	6.1		
			SME	m_B=5.9		6.0	0.85
KSH	57.6	321	eP	18 50 43.0	1.0		
			eS	18 58 44.0	7.3		
			SME	m_B=5.8		7.0	0.98

1985 3 1

O=21 54 22.4 ± 0.12s
LAT= 2.22 S ± 1.68km
LONG=119.66 E ± 1.97km
DEPTH= 32 km ± 0.21km
STATIONS USED = 31, STAND DEV= 1.76s

QZN	23.2	336	eP	21 59 25.8	−2.1		
			eS	22 03 26.0	−8.0		
GZH	25.9	347	eP	21 59 54.0	0.4		
GYA	31.2	337	P	22 00 40.6	−0.5		
KMI	31.7	330	P	22 00 47.5	1.0		
WHN	33.0	352	eP	22 00 57.0	0.2		
NJ2	34.1	359	eP	22 01 06.0	−0.5		
CD2	36.3	337	P	22 01 24.6	−0.5		
BJI	42.2	356	eP	22 02 09.5	−4.7		
BTO	43.5	349	eP	22 02 25.0	−0.3		
GTA	45.3	338	P	22 02 40.1	0.7		
CN2	46.1	6	eP	22 02 44.5	−1.4		
WMQ	54.1	332	P	22 03 46.5	−0.2		

1985 3 1

O=22 21 45.3 ± 0.10s
LAT= 2.01 S ± 1.59km
LONG=119.73 E ± 2.01km
DEPTH= 32 km ± 0.10km
STATIONS USED = 62, STAND DEV= 1.30s
Ms=5.5/11,

QZN	23.1	335	eP	22 26 50.0	0.8		
GZH	25.7	346	eP	22 27 16.0	1.3		
QZH	26.8	358	P	22 27 25.0	0.0		
			eS	22 32 00.0	2.5		
			LN	Ms=5.3		11.0	3.20
GYA	31.0	337	P	22 28 03.0	0.4		
KMI	31.6	330	eP	22 28 09.0	0.9		
WHN	32.8	351	−P	22 28 19.6	1.5		
NJ2	33.9	359	−P	22 28 28.3	0.7		
CD2	36.1	336	P	22 28 45.5	−1.2		
XAN	37.3	345	P	22 28 56.4	−0.1		
TIY	40.1	351	eP	22 29 20.2	0.1		
LZH	40.7	340	eP	22 29 25.0	−0.2		
BJI	42.0	356	eP	22 29 35.0	−0.5		
BTO	43.3	349	eP	22 29 46.6	−0.1		

SNY	43.8	4	−P	22 29 48.0	−2.2		
GTA	45.1	338	+P	22 30 01.5	0.5		
			LE	Ms=5.8		14.0	4.52
CN2	45.9	6	eP	22 30 04.6	−2.6		
MDJ	47.2	10	eP	22 30 17.0	−0.8		
WMQ	53.9	332	P	22 31 08.0	−0.6		
KSH	57.5	321	eP	22 31 35.0	0.2		

1985 3 1
O=22 22 11.4 ± 0.09s
LAT= 2.12 S ± 1.56km
LONG=119.81 E ± 2.40km
DEPTH= 29 km ± 0.34km
STATIONS USED = 71, STAND DEV= 1.56s
Ms=5.4/29, m_B=6.0/25

QZN	23.2	335	P	22 27 16.5	−0.5		
			pP	22 27 24.5	−0.6		
			S	22 31 24.0	1.7		
			LN	Ms=5.3		13.0	4.50
GZH	25.8	346	−P	22 27 43.0	0.6		
			PMZ	m_B=6.1		4.0	2.05
			S	22 32 12.0	4.8		
			SMN			16.0	7.57
			SME			16.0	4.76
QZH	26.9	358	+iP	22 27 53.0	0.5		
			S	22 32 27.0	1.8		
			SMN	m_B=6.1		9.0	4.43
			LN	Ms=5.3		11.0	3.19
GYA	31.1	337	P	22 28 30.0	−0.2		
			PP	22 29 33.0	0.7		
			S	22 33 37.0	5.0		
			SMN	m_B=6.1		7.0	1.80
			SME			7.0	2.70
			LN	Ms=5.7		16.0	3.40
			LE			16.0	6.70
KMI	31.7	330	+P	22 28 37.0	1.2		
			PMZ			1.5	0.52
			pP	22 28 43.5	−0.4		
			S	22 33 49.0	7.3		
			SME	m_B=6.0		10.0	3.02
			LE	Ms=5.6		13.0	5.78
WHN	32.9	351	+iP	22 28 47.0	1.4		
			iS	22 34 07.0	6.4		
			SME	m_B=6.1		7.0	2.54
			LE	Ms=5.3		14.0	2.74
SSE	33.1	2	+P	22 28 46.0	−1.0		
			S	22 34 06.0	3.7		
			LN	Ms=5.1		16.0	2.00
NJ2	34.0	359	+iP	22 28 56.2	1.1		
			PMZ	m_B=6.0		7.0	1.70
			LE	Ms=5.5		14.0	4.00
CD2	36.2	336	+P	22 29 14.0	−0.3		
			SME			15.0	5.30
			LN	Ms=5.9		13.0	4.90
			LE			13.5	6.80
XAN	37.4	345	+P	22 29 24.0	−0.1		
			PP	22 30 54.0	2.2		
			PcP	22 31 41.0	−1.4		
			iS	22 35 11.0	0.7		
			LN	Ms=5.4		11.0	2.05
TIA	38.2	356	+P	22 29 30.0	−0.9		
			PMZ	m_B=6.0		4.5	1.13
			S	22 35 24.0	2.3		
			SMN	m_B=6.0		11.5	2.22
			SME			11.0	2.18
			LN	Ms=5.5		12.0	1.52
			LE			12.0	2.70
TIY	40.2	351	+iP	22 29 48.0	0.4		
			PP	22 31 23.0	−1.0		
			PcS	22 35 39.0	−1.4		
			S	22 35 54.0	2.1		
			LE	Ms=5.7		14.0	4.95
LZH	40.8	340	+P	22 29 53.0	0.2		
			PMZ	m_B=6.0		4.0	1.03
			PP	22 31 30.0	0.1		
			S	22 36 05.0	4.1		
			SME	m_B=5.9		9.0	1.98
			LE	Ms=5.7		13.0	4.77
DL2	40.9	2	+iP	22 29 52.0	−0.8		
			PP	22 31 27.0	−3.3		
			S	22 36 06.0	4.6		
			LN	Ms=5.1		13.0	1.15
BJI	42.1	356	eP	22 30 03.5	0.6		
			PMZ	m_B=5.9		5.0	1.06
			eS	22 36 23.0	2.4		
			SMN	m_B=5.7		12.0	1.37
			LN	Ms=5.3		14.0	1.83
HHC	43.4	351	−P	22 30 14.0	0.0		
			eS	22 36 34.0	−6.3		
			SME	m_B=6.1		6.0	1.72
			LN	Ms=5.3		10.0	1.24
BTO	43.4	349	+P	22 30 14.0	−0.2		
			S	22 36 43.0	3.6		
			ScS	22 40 11.0	2.4		
			LN	Ms=5.4		13.0	1.50
			LE			12.0	1.40
			LZ	Ms=5.3		12.0	1.50
SNY	43.9	4	+iP	22 30 16.1	−1.4		
			PP	22 31 56.0	−5.3		
			iS	22 36 49.0	2.3		

			LN		Ms=5.5	17.5	3.55
CN2	46.0	6	+P	22 30 31.0	−3.5		
			PMZ		m_B=5.8	4.0	0.50
			PP	22 32 18.0	−4.1		
			PPMZ			4.0	0.90
			PcS	22 36 04.0	0.4		
			eS	22 37 14.0	−3.2		
			LZ		Ms=5.5	13.0	2.10
MDJ	47.3	10	+P	22 30 43.0	−2.1		
			S	22 37 37.0	1.7		
			LE		Ms=5.4	14.0	1.93
WMQ	54.0	332	P	22 31 34.5	−1.6		
			iS	22 39 14.0	4.9		
			SMN		m_B=6.5	6.0	1.87
			SME			6.0	3.62
			LN		Ms=5.9	19.0	6.58
KSH	57.7	321	+P	22 32 04.0	1.8		
			iS	22 40 04.0	6.5		
			SME		m_B=6.5	8.0	5.02
			LN		Ms=5.7	12.0	2.10

1985 3 2
O=00 08 26.7 ± 0.08s
LAT= 2.15 S ± 1.06km
LONG=119.89 E ± 1.86km
DEPTH= 34 km ± 0.12km
STATIONS USED = 25, STAND DEV= 1.30s

GYA	31.2	337	P	00 14 45.6	0.2		
KMI	31.8	330	+P	00 14 52.0	1.0		
WHN	32.9	351	P	00 15 02.0	1.4		
NJ2	34.0	358	eP	00 15 10.0	0.0		
CD2	36.3	336	eP	00 15 29.6	0.2		
BJI	42.1	356	eP	00 16 18.0	0.2		
SNY	43.9	4	−P	00 16 31.2	−1.1		
GTA	45.3	338	P	00 16 44.5	0.9		
CN2	46.0	6	eP	00 16 45.5	−3.8		
WMQ	54.1	332	P	00 17 52.0	0.9		

1985 3 2
O=05 37 36.7 ± 0.13s
LAT=38.14 N ± 1.09km
LONG=101.88 E ± 1.39km
DEPTH= 9 km ± 0.24km
STATIONS USED = 13, STAND DEV= 2.50s
M_L=3.8/ 8,

GTA	2.1	309	Pn	05 38 15.9	3.9		
			Pg	05 38 17.0	4.0		
			Sg	05 38 45.3	4.1		
			SMN		M_L=3.9	0.8	0.61
			SME			0.6	1.11
LZH	2.6	142	cPg	05 38 23.0	0.5		
			Sg	05 38 55.0	−2.5		
			SMN		M_L=4.3	0.5	1.49
			SME			0.5	1.63
BTO	6.8	66	cPg	05 39 36.6	0.2		
			cSg	05 41 04.9	−3.7		
			SMN		M_L=3.6	0.8	0.030
			SME			0.8	0.030
XAN	7.0	124	cPg	05 39 45.0	4.3		
			cSg	05 41 13.7	−2.7		
			SMN		M_L=3.4	0.8	0.020
			SME			0.8	0.010
HHC	8.0	67	eP	05 39 35.0	−0.7		
			SMN		M_L=3.8	0.6	0.020
			SME			0.6	0.030
TIY	8.3	90	eP	05 39 41.4	0.2		
			SMN		M_L=3.7	0.8	0.020
GYA	12.3	160	eP	05 40 35.4	−0.4		

1985 3 2
O=08 45 25.0 ± 0.06s
LAT=30.61 N ± 1.01km
LONG=132.57 E ± 0.98km
DEPTH= 31 km ± 0.27km
STATIONS USED = 86, STAND DEV= 1.24s
Ms=4.9/29, m_B=5.2/ 4

SSE	9.8	276	−P	08 47 46.5	−0.5		
			PMZ			1.0	0.060
			eS	08 49 35.0	−2.1		
			LN		Ms=4.6	10.0	1.36
			LE			10.0	2.24
NJ2	11.8	281	+P	08 48 13.0	−1.6		
			S	08 50 30.0	3.9		
			LN		Ms=4.8	14.0	4.80
DL2	12.2	316	eP	08 48 17.0	−3.0		
			eS	08 50 45.0	8.8		
			LN		Ms=4.8	9.0	1.62
			LE			9.0	1.94
SNY	13.3	330	+iP	08 48 35.3	0.5		
			pP	08 48 40.0	−1.7		
			S	08 51 08.0	5.4		
			SS	08 51 17.0	−1.3		
			LN		Ms=4.5	12.0	1.70
QZH	13.6	249	eP	08 48 36.0	−2.3		
			LE		Ms=4.6	12.0	1.84
TIA	14.1	297	P	08 48 44.8	0.4		
			eS	08 51 26.0	5.6		
			SMZ			11.0	1.92
			LN		Ms=4.8	15.0	3.79
MDJ	14.2	351	eP	08 48 47.2	1.2		

			sP	08 48 58.0	0.5		
			S	08 51 26.0	3.2		
CN2	14.3	339	+P	08 48 48.0	0.1		
			PMZ	m_B = 5.8		4.0	0.70
			sP	08 48 57.0	−2.5		
			eS	08 51 26.0	−0.9		
			LN	Ms = 5.2		15.0	5.90
			LE			15.0	6.50
WHN	15.7	274	P	08 49 06.8	1.1		
BJI	16.3	310	eP	08 49 13.0	−0.9		
			SMN	m_B = 5.0		7.0	0.34
			SME			7.0	0.47
			LN	Ms = 4.9		20.0	3.70
			LE			20.0	3.41
TIY	18.1	298	eP	08 49 35.0	−1.0		
			S	08 53 01.0	7.7		
			LN	Ms = 5.1		17.0	5.42
GZH	18.7	251	eP	08 49 42.0	−1.5		
			eS	08 53 08.0	0.1		
			LN	Ms = 4.9		13.0	2.41
			LE			13.0	1.35
XAN	20.3	286	eP	08 49 59.0	−2.0		
			S	08 53 44.0	2.6		
			LN	Ms = 5.2		10.0	2.35
			LE			10.0	2.15
BTO	20.8	305	eP	08 50 06.0	−0.8		
			pP	08 50 12.0	−3.0		
			eS	08 53 52.0	−0.9		
			LN	Ms = 4.9		12.0	1.30
			LE			12.0	1.30
			LZ	Ms = 4.9		12.0	1.80
GYA	23.1	266	P	08 50 30.0	0.2		
			S	08 54 40.0	5.8		
QZN	23.6	246	eP	08 50 36.7	2.5		
			SMN	m_B = 5.2		11.0	0.90
			LN	Ms = 4.9		14.0	1.40
			LE			14.0	1.10
LZH	24.6	291	eP	08 50 43.5	−0.4		
			PMZ			2.0	0.12
			eS	08 55 01.0	0.6		
			SMZ			7.0	0.12
CD2	24.7	278	eP	08 50 45.0	−0.4		
			eS	08 55 06.0	2.9		
			LN	Ms = 5.0		24.0	4.10
KMI	26.9	266	eP	08 51 05.5	−0.3		
			eS	08 55 42.0	3.0		
			LE	Ms = 4.8		14.0	1.15
GTA	28.1	297	eP	08 51 17.1	0.3		
			S	08 56 03.0	5.6		
			LN	Ms = 5.2		17.0	3.15
WMQ	37.6	303	P	08 52 40.3	0.7		
			S	08 58 26.5	0.3		
KSH	46.5	297	eP	08 53 53.0	1.0		
			LE	Ms = 5.2		10.0	0.92

1985 3 2
O = 11 51 43.3 ± 0.08s
LAT = 2.24 S ± 1.00km
LONG = 119.69 E ± 1.65km
DEPTH = 45 km ± 0.12km
STATIONS USED = 22, STAND DEV = 1.16s

KMI	31.8	330	+P	11 58 06.5	0.3	
NJ2	34.1	359	eP	11 58 26.4	0.2	
CD2	36.3	337	eP	11 58 44.5	−0.3	
BJI	42.2	356	eP	11 59 33.5	−0.3	
SNY	44.0	4	eP	11 59 48.4	−0.2	
GTA	45.3	338	P	11 59 59.7	0.6	
WMQ	54.1	332	P	12 01 04.5	−1.9	
KSH	57.7	321	eP	12 01 33.0	0.7	

1985 3 2
O = 12 48 29.4 ± 0.08s
LAT = 12.16 S ± 0.96km
LONG = 166.63 E ± 0.95km
DEPTH = 143 km ± 0.85km
STATIONS USED = 49, STAND DEV = 0.88s

SSE	61.2	316	+P	12 58 31.0	−1.2		
NJ2	63.4	315	eP	12 58 46.3	−0.2		
DL2	65.9	323	−P	12 59 02.1	−0.4		
TIA	67.0	318	P	12 59 08.8	−0.9		
GYA	69.8	304	P	12 59 27.0	0.3		
TIY	71.0	317	P	12 59 34.0	0.1		
XAN	71.5	312	+P	12 59 37.1	−0.1		
KMI	72.4	301	+iP	12 59 43.5	0.6		
CD2	74.0	307	+P	12 59 52.0	0.4		
			PMZ			1.0	0.10
BTO	74.1	319	eP	12 59 53.2	0.8		
LZH	76.1	312	+P	13 00 05.0	0.9		
			PMZ			1.5	0.090
GTA	80.5	314	+iP	13 00 28.8	1.2		
WMQ	90.5	315	+P	13 01 17.5	0.4		

1985 3 2
O = 12 54 32.9 ± 0.07s
LAT = 45.88 N ± 2.33km
LONG = 150.57 E ± 1.26km
DEPTH = 106 km ± 0.65km
STATIONS USED = 46, STAND DEV = 1.49s

MDJ	14.8	273	eP	12 58 00.0	1.5	
CN2	17.9	272	eP	12 58 34.3	−2.5	

NJ2	28.1	252	cP	13 00 17.0	0.3		
			pP	13 00 44.0	4.4		
WHN	32.0	254	cP	13 00 49.0	−2.5		
LZH	36.1	271	+iP	13 01 28.5	1.2		
			PMZ			1.5	2.53
GTA	37.4	279	+iP	13 01 39.0	1.6		
CD2	39.0	264	+P	13 01 52.4	1.1		
			PMZ			1.0	0.10
GYA	39.8	256	P	13 01 58.6	1.0		
WMQ	43.6	291	P	13 02 29.0	0.3		
KSH	53.4	292	cP	13 03 45.0	0.7		

1985 3 2

O = 15 47 33.0 ± 0.08s

LAT = 1.98 S ± 1.20km

LONG = 119.74 E ± 1.37km

DEPTH = 42 km ± 0.48km

STATIONS USED = 105, STAND DEV = 1.19s

Ms = 6.6 / 47, m_B = 6.6 / 43

QZN	23.0	335	+P	15 52 36.0	0.4		
			PMZ	m_B = 6.5		7.0	15.1
			pP	15 52 50.0	4.0		
			SMN	m_B = 7.0		9.0	43.0
			LN	Ms = 6.5		15.0	54.1
			LE			15.0	51.5
GZH	25.7	346	−P	15 53 01.6	0.5		
			PMZ	m_B = 6.7		8.0	16.2
			sP	15 53 19.3	2.8		
			S	15 57 30.0	6.5		
			LN	Ms = 6.2		15.0	33.3
QZH	26.8	358	+P	15 53 11.0	−0.3		
			PMZ	m_B = 6.5		6.0	6.31
			pP	15 53 27.0	5.1		
			iS	15 57 33.0	−9.3		
			SME	m_B = 6.7		8.0	16.3
			LN	Ms = 6.5		16.0	67.3
GYA	31.0	337	P	15 53 49.4	0.5		
			PMZ	m_B = 6.7		6.0	7.70
			PP	15 54 51.0	0.4		
			S	15 58 50.0	1.8		
			LN	Ms = 6.6		15.0	33.6
			LE			15.0	47.6
			LZ	Ms = 6.7		15.0	86.7
KMI	31.6	330	+P	15 53 55.0	0.5		
			PMZ	m_B = 5.8		7.0	1.20
			sP	15 54 14.0	4.3		
			LE	Ms = 6.6		16.0	66.7
WHN	32.7	351	+iP	15 54 04.5	0.1		
			PMZ	m_B = 6.8		7.0	11.9
			pP	15 54 16.0	0.8		
			PP	15 55 16.0	2.2		
			S	15 59 24.0	7.9		
			SME	m_B = 6.8		8.0	16.8
			LN	Ms = 6.7		18.0	93.3
SSE	32.9	2	+P	15 54 06.0	0.1		
			PMZ	m_B = 6.6		6.0	6.27
			iS	15 59 25.0	5.4		
			SS	16 01 24.0	4.3		
			LN	Ms = 5.8		10.0	6.36
NJ2	33.9	359	+iP	15 54 15.0	1.1		
			PMZ	m_B = 6.6		6.0	5.70
			iS	15 59 32.0	−2.1		
			LZ	Ms = 6.5		20.0	59.8
CD2	36.1	336	+P	15 54 32.5	−0.5		
			PMZ	m_B = 6.7		8.0	11.0
			cS	16 00 02.0	−6.6		
			LN	Ms = 7.0		20.0	148
XAN	37.2	345	+iP	15 54 43.0	0.1		
			PMZ	m_B = 6.6		7.0	6.76
			PP	15 56 13.0	2.9		
			S	16 00 29.0	3.4		
			SMN			14.0	19.2
			LN	Ms = 6.8		21.0	101
TIA	38.1	357	P	15 54 49.0	−0.7		
			PMZ	m_B = 6.5		7.0	6.24
			PP	15 56 20.0	0.2		
			S	16 00 46.0	7.9		
			SMN	m_B = 6.8		10.0	9.60
			SME			10.0	16.9
			LN	Ms = 6.7		17.0	59.6
			LZ	Ms = 6.6		17.0	52.5
TIY	40.1	351	cP	15 55 06.0	−0.4		
			PMZ	m_B = 6.6		7.0	6.73
			iS	16 01 18.5	9.1		
			SMN	m_B = 6.7		10.0	5.73
			SME			9.0	10.1
			LE	Ms = 6.9		20.0	98.5
LZH	40.7	340	+P	15 55 12.0	0.5		
			PMZ			3.0	2.53
			sP	15 55 32.0	4.9		
			PP	15 56 49.0	0.5		
			PcS	16 01 05.0	3.3		
			SME	m_B = 6.3		8.0	4.68
			sS	16 01 36.0	−0.8		
			LE	Ms = 6.6		13.0	37.4
DL2	40.7	2	+iP	15 55 11.0	−0.7		
			PMZ	m_B = 6.5		6.0	4.57
			pP	15 55 27.0	4.3		
			PP	15 56 45.0	−3.9		
			S	16 01 18.5	0.6		

			SME	m_B=6.6	9.0	9.73
			LN	Ms=6.2	18.0	21.4
LSA	41.7	321	P	15 55 21.0	0.7	
			S	16 01 37.3	4.8	
			LN	Ms=6.5	21.0	46.0
BJI	41.9	356	eP	15 55 20.5	−1.2	
			PMZ	m_B=6.5	7.0	5.67
			ePP	15 57 00.0	−2.1	
			S	16 01 35.0	−1.1	
			SME	m_B=6.8	8.0	13.1
			LZ	Ms=6.5	20.0	39.0
HHC	43.3	351	eP	15 55 32.4	−0.4	
			PMZ	m_B=6.7	5.0	5.87
			S	16 01 57.0	1.6	
			LE	Ms=6.8	19.0	77.4
BTO	43.3	349	+iP	15 55 33.0	0.0	
			PMZ	m_B=6.6	6.0	5.60
			PP	15 57 15.0	−0.6	
			PPMZ		5.0	5.00
			S	16 01 55.0	−0.8	
			SMN	m_B=6.7	9.0	5.10
			SME		9.0	8.80
			LN	Ms=6.8	17.0	60.2
			LE		17.0	19.1
			LZ	Ms=6.8	17.0	59.9
SNY	43.7	4	−iP	15 55 34.6	−1.8	
			PMZ	m_B=6.4	8.0	4.26
			pP	15 55 51.5	4.0	
			PP	15 57 20.0	0.0	
			iS	16 02 00.0	−3.3	
			SME	m_B=6.5	8.5	6.11
			SS	16 05 06.0	−5.9	
			LN	Ms=6.5	18.0	30.7
GTA	45.1	338	+P	15 55 48.2	0.9	
			S	16 02 16.0	−5.5	
			LE	Ms=6.8	17.0	65.1
CN2	45.9	6	+P	15 55 51.8	−1.6	
			pP	15 56 07.0	2.5	
MDJ	47.2	10	eP	15 56 01.7	−2.4	
			S	16 02 53.5	1.5	
			LE	Ms=6.8	20.0	72.2
WMQ	53.9	332	P	15 56 54.5	−0.4	
			PMZ	m_B=6.9	6.0	9.04
			SMN	m_B=7.0	8.0	14.1
			LN	Ms=7.0	19.0	87.7
KSH	57.5	321	+iP	15 57 22.0	0.9	
			PMZ	m_B=7.1	5.0	11.8
			LE	Ms=7.0	20.0	77.2

1985 3 2

O=17 49 11.6 ± 0.09s
LAT=20.38 N ± 1.52km
LONG=122.27 E ± 1.12km
DEPTH=167 km ± 1.00km
STATIONS USED = 43, STAND DEV= 1.60s

			M_L=3.9/ 4,			
QZH	5.7	324	eP	17 50 33.0	−2.0	
			S	17 51 32.5	−7.1	
			SMN	M_L=4.0	0.4	0.14
			SME		0.4	0.090
GZH	8.7	290	+P	17 51 15.0	−0.5	
			S	17 52 51.0	−1.2	
QZN	11.8	266	eP	17 51 56.4	0.9	
WHN	12.4	326	eP	17 52 04.5	1.2	
GYA	15.5	296	P	17 52 44.4	1.0	
TIA	16.4	345	eP	17 52 54.4	0.6	
XAN	18.0	322	+P	17 53 11.8	−1.1	
KMI	18.6	288	+P	17 53 19.5	0.3	
CD2	19.7	306	+iP	17 53 30.2	0.1	
			PMZ		0.8	0.20
BJI	20.3	346	eP	17 53 34.0	−2.0	
SNY	21.4	3	eP	17 53 46.4	−0.8	
LZH	22.5	318	eP	17 53 57.5	−0.5	
BTO	22.7	335	eP	17 54 02.1	2.1	
CN2	23.5	6	eP	17 54 07.6	0.0	
MDJ	24.9	12	eP	17 54 20.0	−1.0	
GTA	27.1	319	eP	17 54 40.6	−0.2	
WMQ	37.1	317	eP	17 56 08.7	1.1	

1985 3 2

O=22 43 19.6 ± 0.05s
LAT= 2.16 N ± 0.72km
LONG=128.96 E ± 1.16km
DEPTH= 89 km ± 0.61km
STATIONS USED = 19, STAND DEV= 0.81s

GZH	25.7	325	eP	22 48 43.5	−0.2
CD2	37.2	323	eP	22 50 25.2	0.7
BJI	39.5	344	eP	22 50 43.0	0.0
LZH	41.0	328	eP	22 50 57.0	1.1
GTA	45.6	328	P	22 51 33.0	−0.1
WMQ	55.3	324	P	22 52 47.0	0.3

1985 3 2

O=23 54 53.7 ± 0.07s
LAT= 5.97 S ± 0.83km
LONG=145.70 E ± 0.60km
DEPTH=113 km ± 0.55km
STATIONS USED = 22, STAND DEV= 1.22s

NJ2	45.6	328	eP	24 03 05.4	0.3
GYA	49.7	312	P	24 03 38.4	1.6

TIA	49.8	330	eP	24 03 36.5	−0.9	
KMI	52.0	308	+P	24 03 56.0	1.9	
XAN	52.8	321	eP	24 03 59.8	−0.7	
WMQ	71.9	320	P	24 06 07.5	0.0	
KSH	78.4	312	eP	24 06 46.5	2.2	

1985 3 3
O = 02 39 44.9 ± 0.57s
LAT = 26.66 N ± 3.95km
LONG = 103.62 E ± 3.82km
DEPTH = 5 km
STATIONS USED = 6, STAND DEV = 4.64s
M_L = 3.0 / 4,

GYA	2.7	94	Pn	02 40 32.0	2.2		
			Sg	02 41 06.0	−4.4		
			SMN	M_L = 2.9		0.8	0.060
			SME			0.8	0.050
CD2	4.2	2	ePn	02 40 53.0	2.5		
			ePg	02 41 03.8	4.2		
			Sg	02 41 57.4	−0.2		
			SMN	M_L = 3.4		0.8	0.030
			SME			0.8	0.10

1985 3 3
O = 10 42 02.0 ± 0.12s
LAT = 50.90 N ± 1.75km
LONG = 92.31 E ± 1.57km
DEPTH = 32 km ± 0.41km
STATIONS USED = 34, STAND DEV = 2.78s
Ms = 4.4 / 3, M_L = 4.9 / 4,

WMQ	7.7	206	−Pn	10 43 54.8	1.7		
			Sg	10 46 05.0	0.2		
			SMN	M_L = 4.8		0.8	0.32
			SME			0.8	0.28
GTA	12.6	152	P	10 44 57.8	−4.9		
BTO	16.0	123	eP	10 45 46.8	−0.4		
LZH	17.0	146	eP	10 46 03.0	4.0		
			LE	Ms = 3.8		4.0	0.070
BJI	19.9	114	P	10 46 30.0	−3.4		
			LN	Ms = 4.5		7.0	0.39
			LE			7.0	0.31
XAN	20.8	138	eP	10 46 43.0	0.1		
CD2	21.7	153	P	10 46 50.2	−2.4		
SNY	23.3	101	eP	10 47 11.5	3.7		
CN2	23.4	95	eP	10 47 14.0	4.8		
GYA	26.8	150	P	10 47 41.2	0.0		
KMI	27.0	159	eP	10 47 43.0	−0.2		

1985 3 3
O = 13 38 46.3 ± 0.08s
LAT = 59.79 N ± 0.81km
LONG = 152.94 W ± 0.54km
DEPTH = 112 km ± 0.53km
STATIONS USED = 48, STAND DEV = 0.87s

MDJ	47.0	288	eP	13 47 07.7	−0.7
CN2	49.6	290	+iP	13 47 28.3	−0.1
			ePP	13 49 24.0	−0.8
SNY	52.0	289	−iP	13 47 47.3	0.8
BJI	56.9	294	eP	13 48 22.0	−0.1
NJ2	62.0	286	eP	13 48 57.0	−0.7
GTA	64.6	305	P	13 49 14.9	0.3
XAN	65.1	295	eP	13 49 17.1	−0.7
WMQ	65.4	316	P	13 49 20.0	−0.1
LZH	65.7	300	eP	13 49 21.5	−0.1
CD2	70.1	297	eP	13 49 48.6	−0.3
GYA	72.5	292	P	13 50 03.6	0.0

1985 3 3
O = 13 54 58.5 ± 0.06s
LAT = 31.89 N ± 1.13km
LONG = 56.16 E ± 0.80km
DEPTH = 35 km ± 0.07km
STATIONS USED = 72, STAND DEV = 0.82s
Ms = 5.0 / 11,

KSH	17.8	59	eP	13 59 04.0	−1.2		
			eS	14 02 15.0	−4.8		
			sS	14 02 33.0	1.1		
			LN	Ms = 5.4		8.0	5.40
WMQ	27.4	55	+iP	14 00 44.0	0.3		
			LZ	Ms = 4.9		12.0	1.23
LSA	30.1	85	P	14 01 06.6	−1.0		
GTA	36.0	66	P	14 02 00.0	1.3		
			LE	Ms = 5.0		13.0	0.98
LZH	39.5	70	+P	14 02 28.5	0.7		
			PMZ			1.5	0.070
CD2	40.4	78	P	14 02 35.8	0.4		
			PMZ			0.8	0.10
KMI	41.2	87	+P	14 02 43.0	0.4		
BTO	43.7	63	P	14 03 03.0	0.3		
XAN	43.9	72	+P	14 03 04.3	0.0		
GYA	44.1	84	P	14 03 05.6	−0.4		
TIY	46.0	67	+P	14 03 21.0	0.0		
			PMZ			1.2	0.050
			LN	Ms = 5.1		14.0	0.77
			LE			14.0	0.55
BJI	48.5	63	eP	14 03 40.0	−0.1		
			LN	Ms = 4.9		11.0	0.31
			LE			11.0	0.35
WHN	49.3	75	+P	14 03 46.5	0.2		
TIA	50.0	67	eP	14 03 52.2	0.3		

			LN		Ms=4.8	13.0	0.29
			LE			13.0	0.26
NJ2	52.5	72	+P	14 04 10.6	−0.2		
			LE		Ms=5.0	12.0	0.50
DL2	52.8	63	P	14 04 13.2	−0.1		
SNY	53.6	59	+P	14 04 18.0	−1.1		
CN2	54.5	56	+P	14 04 24.4	−1.5		
			pP	14 04 35.4	−0.3		
			eS	14 11 58.0	−3.3		
			LN		Ms=5.1	12.0	0.70
SSE	54.7	72	+P	14 04 27.0	0.0		
MDJ	57.2	54	eP	14 04 43.5	−2.0		

1985 3 3
O=16 17 02.0 ± 0.11s
LAT= 3.44 S ± 1.20km
LONG=146.84 E ± 1.52km
DEPTH= 32 km ± 0.26km
STATIONS USED = 46, STAND DEV= 1.25s
Ms=4.9/ 10,

SSE	42.2	326	cP	16 24 54.0	0.4		
			cS	16 31 16.0	4.5		
			LN		Ms=5.2	20.0	1.47
			LE			20.0	1.48
			LZ		Ms=5.3	20.0	2.34
QZN	42.7	303	eP	16 25 02.9	4.8		
			eS	16 31 28.0	8.6		
NJ2	44.2	325	eP	16 25 11.0	0.9		
			LZ		Ms=4.9	20.0	0.89
WHN	45.9	320	eP	16 25 24.5	0.9		
DL2	48.1	333	eP	16 25 41.6	0.2		
TIA	48.2	327	eP	16 25 42.0	−0.2		
			pP	16 25 50.0	−1.4		
			cS	16 32 34.0	−4.9		
			SMN			27.0	0.54
			LN		Ms=4.9	32.0	1.21
			LZ		Ms=4.8	32.0	1.00
SNY	49.8	337	eP	16 25 54.0	0.0		
			S	16 33 03.0	3.8		
			LN		Ms=4.8	20.0	0.60
CN2	50.8	340	eP	16 26 02.2	0.2		
KMI	51.3	306	−P	16 26 07.5	1.3		
			LZ		Ms=4.8	28.0	0.88
BJI	51.6	330	eP	16 26 07.5	−0.5		
XAN	51.6	319	eP	16 26 07.6	−0.6		
CD2	53.4	313	P	16 26 21.4	−0.1		
BTO	55.3	326	eP	16 26 35.0	−0.2		
LZH	56.2	318	eP	16 26 41.0	−0.9		
GTA	60.7	319	P	16 27 13.9	0.5		
WMQ	70.8	319	eP	16 28 18.0	0.1		

1985 3 3
O=17 09 21.3 ± 0.05s
LAT=35.12 N ± 0.40km
LONG=102.02 E ± 0.51km
DEPTH= 6 km ± 0.30km
STATIONS USED = 5, STAND DEV= 3.25s
M_L=2.5/ 2,

LZH	1.8	57	cPg	17 09 53.5	0.6
			Pn	17 09 55.5	2.7
			Sg	17 10 20.0	3.1
GTA	4.6	338	cPg	17 10 43.7	0.5

1985 3 3
O=22 47 01.8 ± 0.59s
LAT=32.49 S ± 8.95km
LONG= 71.90 W ± 21.96km
DEPTH= 11 km ± 3.68km
STATIONS USED = 81, STAND DEV= 4.51s

KSH	153.2	66	cPKP	23 06 57.0	3.6
			SKKS	23 17 58.0	
MDJ	159.4	312	ePKP	23 07 01.0	−0.3
			sPKP	23 07 17.0	
			PKS	23 10 28.0	
			SKKS	23 17 36.0	
WMQ	160.4	49	PKP	23 07 04.5	2.0
			SKKS	23 18 26.0	
CN2	162.3	315	PKP	23 07 04.7	0.4
SNY	164.6	311	PKP	23 07 06.0	−0.6
			sPKP	23 07 20.5	
			PKP_2	23 08 16.0	
LSA	165.2	96	PKP	23 07 09.5	1.8
			pPKP	23 07 09.5	−0.2
			PKP_2	23 08 27.0	
QZN	166.5	187	PKP	23 07 12.0	3.7
			sPKP	23 07 25.0	
			PKP_2	23 08 18.0	
DL2	167.3	304	cPKP	23 07 02.0	−6.8
			PKP_2	23 07 58.0	
			PKS	23 10 33.0	
QZH	168.1	233	PKP	23 07 12.0	2.7
			sPKP	23 07 28.0	
			PKP_2	23 08 24.0	
SSE	168.8	266	PKP	23 07 10.0	0.3
			sPKP	23 07 25.0	
			PKP_2	23 08 19.0	
GZH	169.5	208	PKP	23 07 13.0	2.9
			sPKP	23 07 27.0	
			PKP_2	23 08 47.0	
BJI	170.0	321	cPKP	23 07 11.0	0.6

			PKP_2	23 08 45.0		
GTA	170.4	42	PKP	23 07 13.0	2.2	
NJ2	170.9	270	PKP	23 07 12.0	1.1	
			sPKP	23 07 27.0		
HHC	171.2	343	ePKP	23 07 12.0	0.7	
TIA	171.7	299	ePKP	23 07 12.9	1.4	
BTO	171.8	350	+PKP	23 07 13.0	1.4	
			sPKP	23 07 27.0		
			PKP_2	23 08 46.0		
			SKS	23 14 11.0	0.3	
			SKKS	23 19 19.0		
TIY	173.7	327	PKP	23 07 14.0	1.6	
			sPKP	23 07 28.0		
			PKP_2	23 08 50.5		
GYA	173.9	168	PKP	23 07 16.0	3.5	
			PKP_2	23 09 10.0		
LZH	175.0	43	ePKP	23 07 16.0	3.1	
			sPKP	23 07 30.0		
			PKP_2	23 09 08.0		
			SKKS	23 19 40.0		
CD2	176.0	112	PKP	23 07 14.0	0.9	
			PKP_2	22 08 54.0		
XAN	178.3	336	PKP	23 07 14.0	0.6	
			PP	23 13 03.0	5.4	

1985 3 3
O = 22 47 06.4 ± 0.14s
LAT = 33.09 S ± 5.67km
LONG = 72.01 W ± 7.53km
DEPTH = 32 km ± 0.85km
STATIONS USED = 84, STAND DEV = 2.63s
Ms = 7.8 / 33, m_B = 7.4 / 10

KSH	153.5	67	ePKP	23 06 57.0	2.0		
			SKKS	23 17 58.0			
			LE	Ms = 7.9		16.0	106
MDJ	159.7	311	ePKP	23 07 01.0	−1.9		
			sPKP	23 07 17.0			
			PKS	23 10 28.0			
			SKKS	23 17 36.0			
			LE	Ms = 8.0		28.0	237
WMQ	160.9	50	PKP	23 07 04.5	0.3		
			SKKS	23 18 26.0			
CN2	162.7	313	PKP	23 07 04.7	−1.2		
SNY	164.9	310	PKP	23 07 06.0	−2.1		
			sPKP	23 07 20.5			
			PKP_2	23 08 16.0			
			LN	Ms = 7.3		19.0	38.5
LSA	165.2	99	PKP	23 07 09.5	0.6		
			PKP_2	23 08 27.0			
			LN	Ms = 7.7		18.0	86.9
QZN	165.9	187	PKP	23 07 12.0	3.0		
			sPKP	23 07 25.0			
			PKP_2	23 08 18.0			
			PP	23 12 06.0	8.0		
			PPMZ	m_B = 7.3		11.0	32.0
DL2	167.5	302	ePKP	23 07 08.0	−2.1		
			PKP_2	23 07 58.0			
			PKS	23 10 33.0			
			LN	Ms = 7.6		20.0	76.7
QZH	167.7	232	PKP	23 07 12.0	1.8		
			sPKP	23 07 28.0			
			PKP_2	23 08 24.0			
			PPMZ	m_B = 7.4		10.0	39.7
			LN	Ms = 7.9		30.0	213
SSE	168.6	263	PKP	23 07 10.0	−0.8		
			sPKP	23 07 25.0			
			PKP_2	23 08 19.0			
			LN	Ms = 8.1		20.0	172
			LE			20.0	142
			LZ	Ms = 8.1		20.0	235
GZH	169.0	207	PKP	23 07 13.0	2.0		
			sPKP	23 07 27.0			
			PKP_2	23 08 47.0			
			PPMZ	m_B = 7.4		7.0	27.3
			LN	Ms = 7.7		17.0	91.0
BJI	170.4	319	ePKP	23 07 11.0	−0.9		
			PKP_2	23 08 45.0			
			LE	Ms = 7.7		18.0	90.1
NJ2	170.8	267	PKP	23 07 12.0	−0.1		
			sPKP	23 07 27.0			
			LN	Ms = 7.8		18.0	60.0
			LE			18.0	128
GTA	170.9	44	PKP	23 07 13.0	0.7		
			LN	Ms = 7.7		19.0	115
HHC	171.7	341	ePKP	23 07 12.0	−0.8		
			PPMZ	m_B = 7.4		8.0	31.5
			LE	Ms = 7.9		20.0	198
TIA	171.9	295	ePKP	23 07 12.9	0.1		
			LN	Ms = 8.0		21.0	242
			LE			20.0	91.0
BTO	172.3	348	+PKP	23 07 13.0	−0.1		
			sPKP	23 07 27.0			
			PKP_2	23 08 46.0			
			PP	23 12 38.0	7.9		
			PPMZ	m_B = 7.0		7.0	12.2
			SKS	23 14 11.0	1.3		
			SKKS	23 19 19.0			
			LN	Ms = 7.7		18.0	87.7
			LE			18.0	94.7
			LZ	Ms = 7.9		18.0	172

GYA	173.3	170	PKP	23 07 16.0	2.4		
			PKP_2	23 09 10.0			
			LN	Ms=7.9		28.0	270
			LE			28.0	175
WHN	174.0	247	PKP	23 07 17.0	3.4		
			PKP_2	23 08 42.0			
			PKS	23 10 35.0			
			LN	Ms=8.0		22.0	229
			LE			22.0	199
TIY	174.1	323	PKP	23 07 14.0	0.2		
			sPKP	23 07 28.0			
			PKP_2	23 08 50.5			
			PPMZ	m_B=7.4		9.0	40.7
			LN	Ms=7.8		17.0	180
LZH	175.5	48	ePKP	23 07 16.0	1.7		
			sPKP	23 07 30.0			
			PKP_2	23 09 08.0			
			PPMZ	m_B=7.4		10.0	42.5
			SKKS	23 19 40.0			
			LN	Ms=7.8		22.0	154
			LE			22.0	223
CD2	175.8	120	PKP	23 07 14.0	−0.2		
			PKP_2	22 08 54.0			
			LE	Ms=7.6		17.0	124
XAN	178.8	321	PKP	23 07 14.0	−0.7		
			PP	23 13 03.0	1.6		
			LN	Ms=7.3		18.0	105

1985 3 3

O=23 38 31.0 ± 0.11s
LAT=32.59 S ± 5.29km
LONG= 71.46 W ± 5.88km
DEPTH= 32 km ± 0.39km
STATIONS USED = 69, STAND DEV= 2.55s

MDJ	159.7	312	ePKP	23 58 24.3	−3.1
WMQ	160.2	50	−iPKP	23 58 27.5	−0.5
CN2	162.7	315	+PKP	23 58 33.0	2.6
			sPKP	23 58 47.5	
SNY	164.9	312	ePKP	23 58 30.8	−1.8
QZN	166.4	185	ePKP	23 58 39.0	5.0
			PKP_2	23 59 47.0	
DL2	167.6	304	PKP	23 58 34.0	−0.7
QZH	168.4	232	ePKP	23 58 39.8	4.7
SSE	169.1	266	ePKP	23 58 39.0	3.4
GTA	170.2	44	PKP	23 58 36.4	0.0
			sPKP	23 58 50.0	
			PKP_2	24 00 04.0	
BJI	170.3	323	ePKP	23 58 34.5	−1.8
KMI	171.0	144	ePKP	23 58 36.5	−0.5
			PP	24 03 45.0	−2.9
NJ2	171.3	269	ePKP	23 58 30.6	−6.3
BTO	171.9	352	ePKP	23 58 36.5	−0.9
TIA	172.0	299	−PKP	23 58 35.9	−1.5
			PP	24 03 55.7	2.5
GYA	173.7	165	PKP	23 58 36.4	−1.8
			PP	24 04 06.0	4.6
TIY	174.0	329	ePKP	23 58 36.5	−1.7
WHN	174.6	249	ePKP	23 58 37.5	−0.8
CD2	175.6	111	ePKP	23 58 37.4	−1.3
XAN	178.5	348	PKP	23 58 44.0	4.8

1985 3 4

O=00 11 45.1 ± 0.07s
LAT=33.00 S ± 2.97km
LONG= 71.57 W ± 3.40km
DEPTH= 32 km ± 0.20km
STATIONS USED = 40, STAND DEV= 1.32s

MDJ	159.9	311	ePKP	00 31 41.0	−0.9
WMQ	160.5	50	ePKP	00 31 43.7	1.1
CN2	162.9	314	PKP	00 31 43.0	−1.8
LSA	164.9	98	PKP	00 31 48.2	0.9
GTA	170.5	45	PKP	00 31 52.4	1.5
			PKP_2	00 33 10.4	
BJI	170.6	321	ePKP	00 31 51.5	0.8
NJ2	171.1	267	PKP	00 31 51.6	0.6
TIA	172.2	296	PKP	00 31 52.1	0.4
GYA	173.3	166	PKP	00 31 53.0	0.7
			PKP_2	00 33 21.6	
			PP	00 37 18.0	4.3
TIY	174.3	326	ePKP	00 31 53.2	0.6
WHN	174.4	246	PKP	00 31 53.8	1.3
CD2	175.5	116	PKP	00 31 53.0	0.1
			PKP_2	00 33 32.0	

1985 3 4

O=00 32 21.5 ± 0.05s
LAT=33.22 S ± 2.15km
LONG= 71.83 W ± 3.06km
DEPTH= 32 km ± 0.09km
STATIONS USED = 59, STAND DEV= 1.08s

MDJ	159.9	311	ePKP	00 52 17.0	−1.2
WMQ	160.9	51	ePKP	00 52 20.4	1.1
CN2	162.9	313	ePKP	00 52 19.0	−2.2
LSA	165.1	99	PKP	00 52 23.8	−0.1
DL2	167.7	301	PKP	00 52 25.9	0.6
BJI	170.6	319	ePKP	00 52 26.5	−0.6
KMI	170.6	148	ePKP	00 52 28.0	0.6
GTA	170.9	45	+iPKP	00 52 29.0	1.6
			PKP_2	00 53 47.9	
			PP	00 57 37.6	−0.3

NJ2	170.9	266	PKP	00 52 27.0	−0.3
TIA	172.0	295	ePKP	00 52 28.3	0.3
BTO	172.5	349	ePKP	00 52 27.2	−1.1
GYA	173.1	169	PKP	00 52 29.0	0.4
			PKP_2	00 53 56.0	
			PP	00 57 53.0	3.8
WHN	174.1	245	ePKP	00 52 29.0	0.2
TIY	174.3	323	ePKP	00 52 29.2	0.3
CD2	175.6	120	PKP	00 52 30.0	0.7
			PKP_2	00 54 07.2	
XAN	179.0	323	ePKP	00 52 29.7	−0.1

1985 3 4
O = 01 49 48.1 ± 0.06s
LAT = 33.29 S ± 1.31km
LONG = 72.28 W ± 2.14km
DEPTH = 39 km ± 0.47km
STATIONS USED = 29, STAND DEV = 1.05s

WMQ	161.2	50	ePKP	02 09 45.8	0.6	
CN2	162.6	312	ePKP	02 09 45.0	−1.5	
GTA	171.2	44	PKP	02 09 54.0	0.8	
			PKP_2	02 11 14.4		
			PP	02 15 04.0	−1.0	
TIA	171.7	293	ePKP	02 09 53.4	0.0	
GYA	173.1	172	PKP	02 09 55.0	0.8	
			PKP_2	01 11 22.0		
CD2	175.9	124	PKP	02 09 56.2	1.3	
			PKP_2	02 11 33.4		
XAN	178.8	307	ePKP	02 09 55.8	0.4	

1985 3 4
O = 03 17 55.1 ± 0.29s
LAT = 34.11 S ± 3.54km
LONG = 72.03 W ± 4.12km
DEPTH = 37 km ± 1.83km
STATIONS USED = 69, STAND DEV = 2.02s
Ms = 6.5 / 19, m_B = 6.0 / 5

KSH	153.9	69	ePKP	03 37 47.0	3.4	
			PKP_2	03 38 07.0		
			PP	03 41 42.0	0.0	
			PPMZ	m_B = 6.5	7.0	2.44
MDJ	160.3	309	ePKP	03 37 44.5	−7.0	
WMQ	161.5	52	+iPKP	03 37 52.5	−0.3	
			sPKP	03 38 07.3		
			PP	03 42 23.0	−0.2	
			SKKS	03 49 11.3		
			LN	Ms = 6.8	18.0	9.36
			LE		18.0	5.43
CN2	163.3	311	PKP	03 37 52.0	−2.6	
			sPKP	03 38 07.0		
			PKP_2	03 38 49.0		
			PP	03 42 38.5	6.1	
			PPMZ	m_B = 5.9	8.0	0.90
			LE	Ms = 6.6	18.0	7.10
QZN	164.9	187	ePKP	03 38 01.0	4.9	
			PKP_2	03 38 57.0		
			PP	03 42 48.0	7.1	
			LN	Ms = 6.5	20.0	6.80
LSA	165.1	103	PKP	03 37 56.0	−0.8	
			PKP_2	03 38 56.0		
			PP	03 42 42.0	0.2	
			LN	Ms = 6.5	21.0	5.79
SNY	165.5	307	ePKP	03 37 51.3	−5.4	
			PKP_2	03 38 53.0		
			PP	03 42 40.0	−4.0	
			LN	Ms = 6.5	18.5	5.67
QZH	167.0	228	ePKP	03 38 02.0	4.2	
DL2	168.0	297	ePKP	03 38 00.0	1.6	
			PKP_2	03 39 12.0		
			cPP	03 43 00.0	3.4	
			SS	04 03 39.0	−1.2	
			LN	Ms = 6.5	19.0	5.22
KMI	170.0	152	+PKP	03 38 02.0	2.2	
			PKP_2	03 39 17.0		
			PP	03 43 05.0	−1.3	
			PPMZ	m_B = 6.1	8.0	1.45
NJ2	170.6	260	PKP	03 38 01.5	1.5	
			PKP_2	03 39 21.0		
			PP	03 43 09.0	−0.7	
			LN	Ms = 6.3	17.0	3.40
BJI	171.2	314	ePKP	03 38 01.5	1.2	
			pPKP	03 38 12.0	1.1	
			PKP_2	03 39 27.0		
			LN	Ms = 6.5	20.0	8.01
			LZ	Ms = 6.5	20.0	7.04
GTA	171.6	49	PKP	03 38 00.0	−0.8	
			PKP_2	03 39 25.8		
			PP	03 43 16.8	2.4	
			SKKS	03 49 59.0		
			SS	04 04 22.0	7.0	
			LN	Ms = 6.6	19.5	4.30
			LE		19.5	9.14
TIA	172.2	288	ePKP	03 38 00.2	−0.8	
			PKP_2	03 39 35.0		
			cPP	03 43 21.5	3.9	
			PPMZ	m_B = 6.0	7.0	1.21
			SKKS	03 50 02.5		
			SS	04 04 26.0	4.8	
			LN	Ms = 6.4	17.0	3.08
			LE		18.5	4.08

GYA	172.3	171	PKP	03 38 03.0	1.9		
			sPKP	03 38 16.0			
			PKP_2	03 39 28.0			
			PP	03 43 16.0	−2.0		
			SS	04 04 22.0	0.0		
			LE	Ms=6.4		22.0	7.50
BTO	173.3	346	ePKP	03 38 03.0	1.4		
WHN	173.5	238	ePKP	03 38 00.6	−0.9		
			sPKP	03 38 15.0			
			PP	03 43 30.0	5.8		
			LN	Ms=6.1		16.0	2.72
TIY	174.9	316	PKP	03 38 01.8	−0.2		
			PP	03 43 29.0	−2.0		
			LN	Ms=6.5		18.0	9.02
CD2	175.2	131	PKP	03 38 02.0	−0.1		
			sPKP	03 38 17.0			
			PKP_2	03 39 40.0			
			PP	03 43 31.0	−1.6		
			LN	Ms=6.4		17.6	7.60
LZH	176.1	59	ePKP	03 38 05.0	2.5		
			PKP_2	03 39 41.0			
			PP	03 43 38.0	1.1		
			SKKS	03 50 20.0			
			LN	Ms=6.2		19.0	6.40
XAN	179.2	265	ePKP	03 38 00.3	−2.4		

1985 3 4
O=03 21 58.8 ± 0.04s
LAT=38.64 N ± 0.87km
LONG= 73.78 E ± 0.17km
DEPTH=115 km ± 0.79km
STATIONS USED = 5, STAND DEV= 1.82s
M_L=4.4/ 3,

KSH	1.9	64	+iP	03 22 32.5	0.9		
			S	03 22 57.4	2.3		
			SMN	M_L=4.4		0.3	3.41
			SME			0.3	2.71
GTA	20.2	80	P	03 26 28.0	0.9		

1985 3 4
O=03 32 48.8 ± 0.18s
LAT=32.72 S ± 3.62km
LONG= 71.59 W ± 5.20km
DEPTH= 24 km ± 1.27km
STATIONS USED = 57, STAND DEV= 1.99s
Ms=6.5/ 8,

KSH	153.0	66	ePKP	03 52 42.0	4.0		
			PP	03 56 29.0	−3.3		
MDJ	159.7	312	ePKP	03 52 44.0	−2.5		
WMQ	160.4	50	PKP	03 52 49.0	1.7		
			PKP_2	03 53 31.8			
			PP	03 57 13.0	0.8		
			SKKS	04 03 58.0			
			LN	Ms=6.8		17.0	10.4
CN2	162.7	315	+PKP	03 52 52.3	2.8		
			sPKP	03 53 06.0			
			PP	03 57 27.0	2.7		
			LN	Ms=6.5		18.0	6.00
QZN	166.3	186	ePKP	03 52 56.0	3.0		
			PKP_2	03 53 48.0			
DL2	167.6	304	PKP	03 52 54.0	0.2		
			sPKP	03 53 08.0			
			PKP_2	03 54 03.0			
			ePP	03 57 53.0	2.8		
			LN	Ms=6.6		19.0	7.93
QZH	168.2	232	ePKP	03 52 56.0	1.8		
GTA	170.4	44	PKP	03 52 55.7	0.0		
			PKP_2	03 54 14.1			
			PP	03 58 11.5	7.7		
			LN	Ms=6.4		17.5	2.67
			LE			18.0	4.26
BJI	170.4	322	ePKP	03 52 55.0	−0.5		
KMI	170.9	145	ePKP	03 52 57.5	1.4		
			PKP_2	03 54 16.0			
			PP	03 58 03.5	−3.3		
NJ2	171.1	268	PKP	03 52 57.0	1.1		
			LN	Ms=6.2		17.0	3.40
TIA	172.0	298	ePKP	03 52 55.0	−1.5		
BTO	172.0	351	ePKP	03 52 57.0	0.4		
			PKP_2	03 54 23.0			
			ePP	03 58 14.0	1.8		
			LN	Ms=6.5		18.0	6.40
			LE			18.0	4.40
			LZ	Ms=6.6		18.0	9.00
GYA	173.6	166	PKP	03 52 57.0	−0.2		
			sPKP	03 53 15.0			
			PKP_2	03 54 24.0			
			PP	03 58 17.0	−2.9		
			LN	Ms=6.3		19.0	2.30
			LE			19.0	4.60
CD2	175.6	113	PKP	03 52 58.5	0.6		
			PKP_2	03 54 35.4			

1985 3 4
O=05 48 52.7 ± 0.09s
LAT=38.18 N ± 0.79km
LONG=106.50 E ± 0.86km
DEPTH= 8 km ± 0.44km
STATIONS USED = 10, STAND DEV= 3.09s
M_L=3.1/ 6,

LZH	3.0	226	ePg	05 49 42.0	−3.6		
			SMN	M_L=3.4		1.0	0.20
			SME			1.0	0.12
BTO	3.6	47	ePg	05 49 56.1	−1.1		
			eSg	05 50 47.7	0.9		
			SMN	M_L=2.8		0.5	0.020
			SME			0.5	0.030
XAN	4.6	154	ePn	05 50 06.0	3.4		
			Pg	05 50 12.3	−1.2		
			Sg	05 51 10.7	−5.3		
HHC	4.7	54	ePn	05 50 04.0	−0.9		
			Pg	05 50 19.1	2.8		
			Sg	05 51 20.0	−1.1		
			SMN	M_L=3.5		0.5	0.060
			SME			0.5	0.080
GTA	5.4	285	Pg	05 50 27.4	−0.3		

1985 3 4
O=06 06 56.4 ± 0.16s
LAT=33.75 S ± 2.15km
LONG= 71.85 W ± 2.36km
DEPTH= 28 km ± 1.13km
STATIONS USED = 57, STAND DEV= 1.32s
Ms=6.1/ 9,

KSH	153.6	68	PKP	06 26 51.0	5.1		
			PP	06 30 40.0	−3.1		
MDJ	160.2	310	ePKP	06 26 52.4	−1.7		
WMQ	161.2	52	+iPKP	06 26 55.5	0.3		
			PKP_2	06 27 40.5			
			PP	06 31 24.0	−0.2		
CN2	163.2	312	ePKP	06 27 00.0	2.9		
LSA	165.0	101	PKP	06 26 59.6	0.2		
KMI	170.2	150	PKP	06 27 02.5	−0.2		
			PKP_2	06 28 26.5			
NJ2	170.8	262	PKP	06 27 02.4	−0.4		
			LE	Ms=6.1		17.0	2.20
BJI	171.0	317	ePKP	06 27 02.5	−0.4		
			PKS	06 30 35.0			
GTA	171.2	47	+iPKP	06 27 04.0	0.8		
			PKP_2	06 28 25.4			
			PKS	06 30 36.7			
			LE	Ms=6.1		19.0	3.11
TIA	172.2	291	PKP	06 27 03.0	−0.7		
GYA	172.6	170	PKP	06 27 04.0	0.0		
			PKP_2	06 28 28.4			
			LE	Ms=6.2		19.0	4.20
BTO	173.0	348	ePKP	06 27 04.0	−0.2		
			PKP_2	06 28 13.0			
			PKS	06 30 35.0			
			LN	Ms=6.1		18.0	2.00
			LE			18.0	2.30
			LZ	Ms=6.2		18.0	3.60
WHN	173.8	240	ePKP	06 27 04.0	−0.2		
			PKS	06 30 38.0			
TIY	174.7	320	ePKP	06 27 04.0	−0.7		
			PP	06 32 36.5	3.7		
			LN	Ms=6.1		22.0	4.79
CD2	175.3	126	PKP	06 27 05.0	0.2		
			PKP_2	06 28 41.2			
LZH	175.8	55	ePKP	06 27 05.0	−0.1		
			PKP_2	06 28 44.0			

1985 3 4
O=06 10 29.1 ± 0.23s
LAT=33.11 S ± 3.62km
LONG= 71.95 W ± 4.41km
DEPTH= 29 km ± 1.56km
STATIONS USED = 27, STAND DEV= 2.60s
Ms=6.1/ 3,

MDJ	159.7	311	ePKP	06 30 19.0	−7.1		
WMQ	160.9	50	PKP	06 30 24.0	−3.3		
			PP	06 34 50.0	−4.8		
CN2	162.7	313	+PKP	06 30 27.0	−2.1		
			PKP_2	06 31 23.5			
			ePP	06 35 10.0	5.9		
			LN	Ms=6.2		18.0	2.80
QZN	165.9	187	ePKP	06 30 34.0	1.8		
DL2	167.6	302	ePKP	06 30 34.0	0.7		
KMI	170.8	148	ePKP	06 30 36.0	0.5		
			PKP_2	06 31 53.5			
			PP	06 35 42.0	−3.5		
TIA	171.9	295	ePKP	06 30 36.7	0.8		
GYA	173.3	169	PKP	06 30 37.4	0.7		
			PKP_2	06 32 14.4			
WHN	174.1	246	ePKP	06 30 38.0	1.3		
			LE	Ms=6.0		18.0	2.68
LZH	175.4	48	ePKP	06 30 36.0	−1.4		
			PKP_2	06 32 15.0			
CD2	175.7	120	PKP	06 30 39.4	2.0		
			PKP_2	06 32 15.6			
			PP	06 36 08.0	−2.4		
			LN	Ms=6.1		18.0	3.90

1985 3 4
O=06 17 51.3 ± 0.45s
LAT=32.93 S ± 4.51km
LONG= 71.94 W ± 9.11km
DEPTH= 24 km ± 2.97km
STATIONS USED = 41, STAND DEV= 3.02s
Ms=6.2/10, m_B=5.9/ 2

KSH	153.4	67	PKP	06 37 42.0	1.0		
			PP	06 41 36.0	−0.9		
MDJ	159.6	311	ePKP	06 37 53.7	4.8		
WMQ	160.7	50	ePKP	06 37 52.0	1.8		
			PKP_2	06 38 39.0			
			PP	06 42 12.0	−5.0		
			LN	Ms = 6.3		16.0	2.95
CN2	162.6	314	+PKP	06 37 51.5	−0.4		
			PKP_2	06 38 45.0			
			PPMZ	m_B = 5.9		6.0	0.60
			LN	Ms = 6.2		18.0	2.40
QZN	166.1	187	ePKP	06 37 56.0	0.7		
			ePP	06 42 47.0	2.2		
			LN	Ms = 6.0		20.0	1.90
DL2	167.5	302	ePKP	06 37 54.0	−2.2		
			PKP_2	06 39 02.0			
			ePP	06 42 53.0	1.0		
			LN	Ms = 6.2		18.0	2.67
QZH	167.8	232	ePKP	06 38 01.0	4.6		
			LE	Ms = 6.2		18.0	2.53
BJI	170.4	320	ePKP	06 38 04.0	6.1		
			PKP_2	06 39 20.0			
			LN	Ms = 5.9		19.0	1.69
GTA	170.7	44	PKP	06 37 58.8	0.5		
			PKP_2	06 39 15.0			
KMI	170.9	148	PKP	06 37 57.0	−1.6		
			PKP_2	06 39 17.0			
			PP	06 43 06.0	−3.2		
			PPMZ	m_B = 6.0		8.0	1.20
			LN	Ms = 6.1		22.0	3.50
TIA	171.8	296	ePKP	06 37 58.8	−0.1		
			SS	07 04 17.5	0.7		
			LN	Ms = 6.3		22.0	3.60
			LE			22.0	4.34
BTO	172.2	349	ePKP	06 37 59.0	−0.2		
GYA	173.4	169	PKP	06 38 04.0	4.3		
			PKP_2	06 39 36.0			
			PP	06 43 17.0	−4.7		
			SS	07 04 33.0	0.5		
LZH	175.3	47	ePKP	06 38 03.0	2.6		
			PKP_2	06 39 36.0			
CD2	175.8	118	PKP	06 38 01.4	1.0		
			PKP_2	06 39 41.0			
			PP	06 43 34.0	0.3		

1985 3 4
O = 09 32 25.2 ± 0.06s
LAT = 5.11 N ± 0.75km
LONG = 125.35 E ± 1.37km
DEPTH = 206 km ± 0.46km
STATIONS USED = 21, STAND DEV = 1.41s

XAN	32.6	334	eP	09 38 38.0	−1.6
BJI	35.7	348	eP	09 39 06.0	−0.5
SNY	36.6	358	eP	09 39 12.8	−0.8
MDJ	39.5	5	eP	09 39 38.7	0.7

1985 3 4
O = 12 02 35.4 ± 0.25s
LAT = 32.96 S ± 1.98km
LONG = 71.81 W ± 2.37km
DEPTH = 28 km ± 1.67km
STATIONS USED = 20, STAND DEV = 1.84s

KSH	153.3	67	ePKP	12 22 25.0	0.6
WMQ	160.7	50	ePKP	12 22 34.5	0.9
CN2	162.7	314	ePKP	12 22 37.5	1.9
GTA	170.7	44	PKP	12 22 43.0	1.2
			pPKP	12 22 53.4	3.7
			PKP_2	12 24 01.4	
			$pPKP_2$	12 24 11.4	
TIA	171.9	296	ePKP	12 22 42.6	0.1
CD2	175.7	117	PKP	12 22 44.6	0.7
			PKP_2	12 24 22.6	

1985 3 4
O = 13 49 29.0 ± 0.18s
LAT = 33.84 S ± 1.92km
LONG = 72.24 W ± 2.32km
DEPTH = 25 km ± 1.28km
STATIONS USED = 34, STAND DEV = 1.48s

WMQ	161.5	52	−PKP	14 09 29.5	1.0
			PKP_2	14 10 13.0	
LSA	165.3	102	PKP	14 09 33.8	1.1
			PKP_2	14 10 32.0	
GTA	171.5	47	PKP	14 09 37.4	1.0
TIA	172.0	290	ePKP	14 09 36.8	0.3
GYA	172.6	172	PKP	14 09 40.0	3.0
			pPKP	14 09 47.0	3.2
			PKP_2	14 11 03.0	
CD2	175.5	130	PKP	14 09 38.2	0.3
			PKP_2	14 11 15.0	
XAN	179.0	282	ePKP	14 09 38.6	0.2

1985 3 4
O = 15 01 07.1 ± 0.14s
LAT = 33.77 S ± 1.79km
LONG = 71.34 W ± 2.17km
DEPTH = 41 km ± 1.18km
STATIONS USED = 109, STAND DEV = 1.11s
Ms = 6.1 / 34, m_B = 6.2 / 13

KSH	153.3	68	PKP	15 20 56.0	2.0

			PP	15 24 49.0	−0.4		
			PPMZ	m_B = 6.7		6.0	3.50
			LE	Ms = 7.4		17.0	40.4
MDJ	160.5	310	+PKP	15 21 01.8	−1.3		
			PKP_2	15 21 44.0			
			PP	15 25 26.0	−3.3		
			LE	Ms = 6.0		35.0	3.60
WMQ	160.9	52	iPKP	15 21 04.0	0.5		
			sPKP	15 21 17.0			
			PKP_2	15 21 47.5			
			PP	15 25 27.5	−3.6		
			PPMZ	m_B = 7.3		4.0	11.8
			LN	Ms = 6.4		18.0	3.75
CN2	163.5	312	+PKP	15 21 05.0	−1.1		
			sPKP	15 21 18.0			
			PKP_2	15 22 00.0			
			PP	15 25 44.0	−1.3		
			SS	15 46 09.0	2.9		
			LN	Ms = 6.3		20.0	3.70
LSA	164.6	100	PKP	15 21 07.0	−0.6		
			pPKP	15 21 20.8	1.8		
			PKP_2	15 22 02.5			
			PP	15 25 45.5	−5.2		
			PPMZ	m_B = 6.5		8.0	3.65
			SKKS	15 32 54.0			
QZN	165.3	184	+PKP	15 21 09.0	1.2		
			sPKP	15 21 23.5			
			PKP_2	15 22 08.0			
			PP	15 25 51.0	−3.3		
			PPMZ	m_B = 6.0		7.5	1.20
			SS	15 46 20.0	−3.8		
			LN	Ms = 6.2		22.0	2.90
SNY	165.7	309	ePKP	15 21 06.0	−2.2		
			sPKP	15 21 19.5			
			PKP_2	15 22 09.0			
			PP	15 26 00.0	3.4		
			LN	Ms = 6.4		21.0	4.38
QZH	167.7	227	+PKP	15 21 10.0	0.5		
			sPKP	15 21 24.0			
			PKP_2	15 22 18.0			
			PP	15 26 05.0	−1.2		
			SS	15 46 56.0	8.4		
			LE	Ms = 6.3		36.0	6.67
DL2	168.4	300	PKP	15 21 09.0	−1.0		
			sPKP	15 21 22.0			
			PKP_2	15 22 16.0			
			LN	Ms = 6.1		20.0	2.68
GZH	168.6	202	PKP	15 21 11.0	0.9		
SSE	169.1	259	+PKP	15 21 09.0	−1.4		
			sPKP	15 21 21.0			
			PKP_2	15 22 31.0			
			LN	Ms = 6.3		22.0	4.49
			LE			22.0	2.12
KMI	170.0	148	iPKP	15 21 12.0	0.8		
			sPKP	15 21 25.0			
			PKP_2	15 22 27.0			
			PP	15 26 14.0	−3.7		
			PPMZ	m_B = 6.3		8.0	2.70
			SS	15 47 06.0	−4.6		
			LE	Ms = 6.1		28.0	4.10
GTA	170.9	49	iPKP	15 21 12.8	1.1		
			pPKP	15 21 25.3	2.0		
			PKP_2	15 22 32.5			
			$pPKP_2$	15 22 41.8			
			PP	15 26 23.0	0.5		
			SKKS	15 33 03.0			
			LE	Ms = 6.3		24.0	5.72
NJ2	171.3	261	+PKP	15 21 11.0	−0.7		
			sPKP	15 21 24.0			
			PKP_2	15 22 33.0			
			PP	15 26 23.5	−0.7		
			LZ	Ms = 6.1		21.0	3.00
BJI	171.3	318	PKP	15 21 11.5	−0.2		
			PKP_2	15 22 34.0			
			cPP	15 26 26.0	1.5		
			PPMZ	m_B = 6.0		7.0	1.03
			LN	Ms = 5.9		17.0	1.52
GYA	172.5	166	PKP	15 21 13.0	0.4		
			sPKP	15 21 37.0			
			PKP_2	15 22 37.0			
			PP	15 26 26.0	−4.4		
HHC	172.6	343	PKP	15 21 14.1	1.5		
			PKP_2	15 22 38.0			
			PP	15 26 28.5	−2.2		
			PPMZ	m_B = 5.9		6.0	0.84
			LE	Ms = 6.1		18.0	2.86
TIA	172.6	292	+PKP	15 21 12.4	−0.1		
			sPKP	15 21 25.0			
			PKP_2	15 22 42.0			
			PP	15 26 29.0	−2.1		
			PPMZ	m_B = 5.8		8.0	0.91
			LN	Ms = 6.1		18.5	2.14
			LE			18.5	2.15
BTO	173.1	351	PKP	15 21 13.0	0.1		
			sPKP	15 21 25.0			
			PKP_2	15 22 36.0			
			PP	15 26 28.0	−5.4		
			PPMZ	m_B = 6.2		7.0	2.00
			LN	Ms = 6.1		18.0	1.10
			LE			18.0	3.20

			LZ		Ms=6.3	18.0	5.50
WHN	174.2	238	iPKP	15 21 13.0	−0.1		
			pPKP	15 21 26.5	1.4		
			PKP_2	15 22 46.0			
			PP	15 26 38.0	−0.9		
			SS	15 47 50.0	−0.9		
			LN		Ms=6.0	18.0	3.03
CD2	175.0	123	PKP	15 21 12.6	−0.7		
			sPKP	15 21 27.0			
			PKP_2	15 22 48.0			
			PP	15 26 39.0	−3.7		
			LN		Ms=6.0	18.0	3.20
TIY	175.0	323	iPKP	15 21 13.5	0.1		
			sPKP	15 21 26.5			
			PKP_2	15 22 49.0			
			PP	15 26 40.0	−2.9		
			PPMZ		m_B=6.1	8.0	1.58
			LN		Ms=6.0	19.0	3.09
LZH	175.4	58	+PKP	15 21 14.5	0.9		
			pPKP	15 21 26.0	0.8		
			PKP_2	15 22 49.0			
			PP	15 26 44.0	−1.0		
			PPMZ		m_B=6.5	6.0	3.09
			SKKS	15 33 26.0			
			LE		Ms=5.7	16.0	1.53
XAN	179.7	321	ePKP	15 21 14.2	0.1		

1985 3 4

O=17 00 09.4 ± 0.14s
LAT=34.14 S ± 1.98km
LONG= 72.21 W ± 2.34km
DEPTH= 29 km ± 0.90km
STATIONS USED = 55, STAND DEV= 1.37s

KSH	154.1	69	ePKP	17 20 04.0	4.7
			ePP	17 23 54.0	−4.2
MDJ	160.2	308	ePKP	17 20 05.3	−1.6
WMQ	161.7	52	PKP	17 20 08.7	0.3
			PKP_2	17 20 50.0	
			PP	17 24 41.0	1.8
CN2	163.2	310	ePKP	17 20 11.0	1.1
LSA	165.2	103	ePKP	17 20 11.4	−0.9
KMI	170.0	153	ePKP	17 20 15.5	0.2
BJI	171.1	314	ePKP	17 20 15.0	−0.7
GTA	171.7	48	iPKP	17 20 17.0	0.7
			PKP_2	17 21 30.7	
TIA	172.1	288	+PKP	17 20 16.2	−0.1
GYA	172.3	172	PKP	17 20 17.0	0.4
			PKP_2	17 21 40.2	
			PP	17 25 31.0	−2.3
BTO	173.3	345	ePKP	17 20 16.0	−1.0
			ePP	17 25 36.0	−2.5
WHN	173.4	239	ePKP	17 20 17.0	0.1
TIY	174.8	315	ePKP	17 20 16.8	−0.6
CD2	175.3	132	PKP	17 20 17.4	−0.1
			PKP_2	17 21 53.2	
			ePP	17 25 44.0	−4.4
LZH	176.2	58	ePKP	17 20 18.6	0.7
XAN	179.1	264	ePKP	17 20 18.0	−0.2

1985 3 4

O=18 12 39.3 ± 0.23s
LAT=33.75 S ± 2.64km
LONG= 72.03 W ± 3.17km
DEPTH= 22 km ± 1.57km
STATIONS USED = 38, STAND DEV= 1.96s

WMQ	161.3	52	PKP	18 32 39.2	0.1
			pPKP	18 32 48.5	3.4
			PKP_2	18 33 25.0	
			PP	18 37 09.0	0.5
KMI	170.3	151	ePKP	18 32 47.5	0.9
BJI	170.9	316	ePKP	18 32 45.5	−1.2
GTA	171.3	47	PKP	18 32 47.7	0.6
			PKP_2	18 34 09.0	
TIA	172.1	291	ePKP	18 32 47.0	−0.4
GYA	172.6	171	PKP	18 32 49.4	1.5
			PKP_2	18 34 13.2	
			PP	18 38 03.4	−2.7
CD2	175.4	127	PKP	18 32 49.0	0.3
			PKP_2	18 34 25.2	
LZH	175.9	54	ePKP	18 32 50.0	1.1
XAN	179.2	290	ePKP	18 32 49.4	0.1

1985 3 4

O=19 03 06.3 ± 0.20s
LAT=32.84 S ± 2.44km
LONG= 71.77 W ± 3.07km
DEPTH= 30 km ± 1.28km
STATIONS USED = 75, STAND DEV= 1.68s
Ms=6.2/24, m_B=5.9/5

KSH	153.2	67	PKP	19 22 57.0	2.1		
			PP	19 26 52.0	1.9		
			LE		Ms=6.3	18.0	2.86
MDJ	159.7	312	ePKP	19 23 01.5	−1.6		
			PKP_2	19 23 50.0			
			LN		Ms=6.0	25.0	2.17
WMQ	160.6	50	ePKP	19 23 04.0	−0.2		
			PKP_2	19 23 50.0			
			ePP	19 27 33.5	3.3		
			LN		Ms=6.5	18.0	5.62
CN2	162.7	314	+PKP	19 23 07.0	0.8		

			pPKP	19 23 18.0	3.3		
			PKP_2	19 24 07.0			
			LN	Ms=6.2		18.0	2.50
SNY	164.9	311	PKP	19 23 07.0	−1.4		
			PKP_2	19 21 30.0			
			PP	19 27 59.0	5.9		
			LN	Ms=6.0		21.0	1.96
LSA	165.1	98	PKP	19 23 08.0	−1.0		
			PP	19 27 57.0	3.0		
QZH	168.0	232	+PKP	19 23 12.0	1.3		
			PKP_2	19 24 24.0			
			PP	19 28 16.0	7.3		
			LE	Ms=6.2		32.0	4.55
SSE	168.9	264	PKP	19 23 08.0	−3.2		
			LZ	Ms=6.3		20.0	4.38
GZH	169.3	206	ePKP	19 23 14.0	2.5		
BJI	170.4	321	ePKP	19 23 08.0	−4.1		
			PKP_2	19 24 30.0			
			ePP	19 28 24.0	3.3		
			LN	Ms=6.2		20.0	2.96
			LE			20.0	1.36
GTA	170.6	44	PKP	19 23 12.9	0.5		
			PKP_2	19 24 30.1			
			PP	19 28 23.5	2.0		
			SKKS	19 35 07.5			
			SS	19 49 21.5	3.6		
			LE	Ms=6.2		20.0	3.62
KMI	170.9	147	ePKP	19 23 13.0	0.3		
			PP	19 28 23.0	−0.4		
			PPMZ	m_B=5.7		8.0	0.70
			LZ	Ms=6.1		24.0	3.30
NJ2	171.0	268	ePKP	19 23 13.0	0.5		
			LZ	Ms=6.2		20.0	3.50
TIA	171.9	297	−PKP	19 23 12.8	−0.3		
			PKP_2	19 24 42.0			
			PPMZ	m_B=6.0		7.0	1.09
			LN	Ms=6.2		23.0	2.75
			LE			20.0	2.72
BTO	172.1	350	ePKP	19 23 14.1	0.8		
GYA	173.5	167	PKP	19 23 15.2	1.3		
			PKP_2	19 24 46.8			
			PP	19 28 37.0	0.8		
			LN	Ms=6.1		19.0	2.30
			LE			19.0	2.90
TIY	174.0	326	ePKP	19 23 14.4	0.4		
			LN	Ms=5.9		17.0	1.59
			LE			17.0	0.91
WHN	174.3	248	ePKP	19 23 14.5	0.5		
			SS	19 49 50.0	−4.0		
			LN	Ms=6.0		18.0	2.58
LZH	175.1	47	ePKP	19 23 15.0	0.5		
			PKP_2	19 24 54.0			
			ePP	19 28 42.0	−2.4		
			LE	Ms=5.7		18.0	1.62
CD2	175.7	116	PKP	19 23 14.2	−0.3		
			PKP_2	19 24 56.0			
			PP	19 28 50.0	2.5		
			SS	19 50 10.0	2.4		
			LN	Ms=6.1		19.0	4.80
XAN	178.7	335	ePKP	19 23 15.5	0.5		

1985 3 4
O=23 39 41.1 ± 0.08s
LAT=27.39 N ± 0.79km
LONG=118.76 E ± 1.07km
DEPTH= 5 km
STATIONS USED = 5, STAND DEV= 4.95s
M_L=3.3/ 3,

QZH	2.4	184	ePn	23 40 24.0	2.0		
			Sn	23 40 55.3	1.1		

1985 3 4
O=23 48 24.4 ± 0.15s
LAT=41.93 S ± 2.99km
LONG= 88.42 E ± 2.52km
DEPTH= 9 km ± 0.20km
STATIONS USED = 23, STAND DEV= 2.25s
Ms=5.7/ 3,

KMI	68.0	14	eP	23 59 25.0	−2.1		
			sP	23 59 32.0	−2.9		
			eS	24 08 26.0	0.4		
			LN	Ms=5.5		16.0	1.40
GYA	70.1	17	eP	23 59 41.0	1.1		
CD2	73.8	14	eP	24 00 01.2	−0.9		
			eS	24 09 32.5	−0.5		
KSH	81.8	350	eP	24 00 48.0	1.9		
			LE	Ms=5.9		19.0	2.87
TIA	82.1	23	eP	24 00 47.0	−0.5		
TIY	82.2	19	eP	24 00 46.0	−2.4		
WMQ	85.4	359	eP	24 01 03.0	−1.3		
			eS	24 11 31.0	−3.5		
			LN	Ms=5.7		15.0	1.58
BJI	85.4	21	eP	24 01 05.0	0.7		

1985 3 5
O=04 14 47.7 ± 0.08s
LAT=15.95 N ± 0.88km
LONG=122.34 E ± 1.17km
DEPTH= 46 km ± 0.14km
STATIONS USED = 22, STAND DEV= 1.11s

GYA	18.0	308	P	04 18 57.0	1.0	
KMI	20.5	300	+P	04 19 25.0	0.3	
TIA	20.7	348	eP	04 19 26.4	−0.4	
XAN	21.7	329	eP	04 19 36.6	−0.2	
CD2	22.6	315	eP	04 19 46.4	0.7	
TIY	23.4	340	eP	04 19 54.0	0.5	
BJI	24.6	349	eP	04 20 05.0	−0.2	

1985 3 5
O=05 28 12.0 ± 0.09s
LAT= 2.29 S ± 2.98km
LONG=119.99 E ± 3.06km
DEPTH= 42 km ± 2.00km
STATIONS USED = 15, STAND DEV= 2.11s

GYA	31.3	337	P	05 34 32.0	0.7	
KMI	32.0	329	P	05 34 36.0	−0.9	
BJI	42.3	356	P	05 36 05.0	1.6	
BTO	43.6	349	eP	05 36 14.8	0.0	
GTA	45.4	338	P	05 36 29.1	−0.2	
MDJ	47.5	9	eP	05 36 44.5	−0.7	
WMQ	54.3	332	P	05 37 37.5	0.7	

1985 3 5
O=09 03 23.7 ± 0.10s
LAT=42.97 S ± 1.74km
LONG= 87.47 E ± 2.48km
DEPTH= 10 km ± 0.21km
STATIONS USED = 13, STAND DEV= 1.57s

GYA	71.3	18	eP	09 14 45.0	−1.3	
CD2	75.0	14	eP	09 15 07.2	−0.9	
XAN	79.1	18	eP	09 15 30.0	−0.9	
TIA	83.3	24	eP	09 15 53.3	0.3	
BTO	85.6	17	eP	09 16 05.2	0.4	
WMQ	86.4	0	eP	09 16 11.5	2.9	

1985 3 5
O=10 10 57.1 ± 0.10s
LAT=27.66 N ± 1.72km
LONG= 94.04 E ± 1.07km
DEPTH= 32 km ± 0.09km
STATIONS USED = 20, STAND DEV= 2.73s
M_L=4.1/ 5,

LSA	3.3	309	ePn	10 11 49.2	2.4		
			Sg	10 12 33.8	−5.5		
			SMN	M_L=4.2		1.5	1.37
			SME			1.2	0.33
KMI	8.2	106	eP	10 12 58.0	0.9		
GYA	11.3	93	P	10 13 38.4	−1.5		
XAN	14.3	60	eP	10 14 16.3	−2.9		
WMQ	16.9	344	+P	10 14 54.0	0.7		
BJI	22.1	50	P	10 15 56.0	4.7		

1985 3 5
O=13 40 10.2 ± 0.10s
LAT= 1.20 N ± 1.52km
LONG=122.92 E ± 2.46km
DEPTH= 32 km ± 0.05km
STATIONS USED =101, STAND DEV= 1.69s
Ms=5.8/45, m_B=6.0/25

QZN	21.9	325	−P	13 45 01.0	−1.3		
			PP	13 45 28.5	1.1		
			S	13 49 01.5	5.0		
			SMN	m_B=6.4		10.0	3.30
			SME			10.0	11.2
			LN	Ms=5.6		16.0	8.60
			LE			15.0	6.90
GZH	23.7	338	P	13 45 20.0	0.2		
			S	13 49 30.5	1.9		
			SMN	m_B=6.6		10.0	10.7
			SME			10.0	16.3
			LN	Ms=5.8		16.0	16.3
QZH	24.0	350	−iP	13 45 23.0	0.1		
			PMZ	m_B=6.0		7.0	3.92
			sP	13 45 37.0	1.3		
			S	13 49 36.0	2.0		
			SMN			15.0	19.1
			SME			14.0	10.9
			LN	Ms=5.7		19.0	10.3
			LE			20.0	11.7
GYA	29.6	329	P	13 46 14.6	−0.2		
			sP	13 46 28.0	0.3		
			PP	13 47 14.0	3.2		
			LN	Ms=5.5		14.0	3.00
			LE			14.0	4.00
SSE	29.8	357	−P	13 46 15.0	−1.4		
			S	13 51 03.0	−5.9		
			SS	13 52 47.0	2.0		
			LN	Ms=5.7		15.0	8.89
			LE			15.0	2.32
WHN	30.3	345	P	13 46 21.5	0.5		
			S	13 51 20.0	2.9		
			SMN			16.0	10.3
			ScP	13 53 02.0	2.9		
			PcS	13 53 05.0	2.1		
			LN	Ms=6.0		17.0	17.4
KMI	30.7	322	eP	13 46 25.5	0.2		
			sP	13 46 39.0	1.0		
			eS	13 51 27.0	1.6		
			LZ	Ms=5.6		18.0	7.70
NJ2	30.9	353	−P	13 46 26.0	−0.6		

			PMZ		$m_B=5.8$	7.0	1.30
			iS	13 51 31.0	3.2		
			LZ		Ms=5.6	25.0	10.2
CD2	34.7	330	eP	13 46 58.4	−1.0		
			PP	13 48 14.0	−2.2		
			S	13 52 28.0	2.5		
			SMN			16.0	6.60
			LN		Ms=5.8	15.0	8.60
XAN	35.2	340	eP	13 47 03.0	−0.8		
			S	13 52 35.0	1.5		
			SME		$m_B=6.4$	8.0	6.76
			LE		Ms=6.2	16.0	22.8
TIA	35.2	352	−P	13 47 02.4	−1.8		
			PMZ		$m_B=5.4$	7.0	0.51
			sP	13 47 16.6	−0.6		
			PP	13 48 24.5	1.1		
			PPMZ			21.0	1.80
			S	13 52 35.5	1.3		
			SMN			17.5	13.3
			SS	13 54 52.5	0.4		
			eScS	13 57 17.8	−1.1		
			LN		Ms=5.7	16.0	6.15
			LE			15.0	3.70
			LZ		Ms=5.7	16.0	6.47
DL2	37.5	358	eP	13 47 23.0	−0.5		
			S	13 53 08.0	−1.5		
			LN		Ms=5.8	16.0	6.98
TIY	37.6	346	−P	13 47 23.5	−0.6		
			PMZ		$m_B=5.9$	7.0	1.37
			PP	13 48 53.0	0.6		
			PPMZ			7.0	1.79
			S	13 53 13.5	3.2		
			SMN		$m_B=5.9$	12.0	3.04
			LN		Ms=5.9	17.0	9.25
LZH	39.0	335	+iP	13 47 37.0	1.4		
			PMZ			3.0	0.44
			iS	13 53 35.0	2.6		
			SME		$m_B=6.1$	10.0	3.67
			LE		Ms=5.8	15.0	6.52
BJI	39.1	352	eP	13 47 36.0	−0.8		
			PMZ		$m_B=5.6$	6.0	0.56
			PP	13 49 08.0	−2.9		
			eS	13 53 34.0	−0.7		
			SS	13 56 16.0	−3.4		
			ScS	13 57 46.0	5.2		
			SMN		$m_B=6.1$	11.0	4.27
			LN		Ms=5.7	20.0	6.78
SNY	40.4	1	eP	13 47 45.8	−1.9		
			PMZ		$m_B=5.9$	7.0	1.24
			ScP	13 53 37.0	1.3		
			PcS	13 53 39.0	−0.5		
			S	13 53 53.0	−0.3		
			ScS	13 57 52.5	4.1		
			LN		Ms=5.9	19.5	9.42
HHC	40.8	347	eP	13 47 51.0	0.3		
			sP	13 48 04.5	0.8		
			PP	13 49 25.0	−2.9		
			eS	13 54 02.5	2.9		
			SMN		$m_B=6.2$	10.0	3.40
			SME			10.0	2.10
			LN		Ms=5.9	16.0	6.00
			LE			16.0	5.03
BTO	40.9	345	eP	13 47 51.4	−0.4		
			PP	13 49 30.0	0.6		
			S	13 54 00.0	−0.4		
			SMN		$m_B=6.2$	10.0	3.90
			SME			10.0	2.10
			LN		Ms=6.0	16.0	10.1
			LE			16.0	6.00
			LZ		Ms=6.0	16.0	11.4
LSA	41.4	316	P	13 47 57.8	1.5		
			S	13 54 11.0	3.1		
			LN		Ms=5.3	16.0	2.07
CN2	42.5	3	−P	13 48 02.0	−2.4		
			PMZ		$m_B=5.7$	5.0	0.60
			sP	13 48 15.5	−2.1		
			ePP	13 49 43.0	−2.9		
			eS	13 54 18.5	−5.8		
			SMN		$m_B=6.0$	10.0	2.50
			sS	13 54 35.0	−4.4		
			ScS	13 58 04.0	3.5		
			LN		Ms=5.8	17.0	7.00
GTA	43.5	334	−P	13 48 13.2	0.4		
			S	13 54 35.0	−3.0		
			SME			15.5	5.79
MDJ	43.6	7	eP	13 48 13.0	−0.8		
			sP	13 48 27.0	0.0		
			S	13 54 40.0	−0.2		
			LE		Ms=5.7	16.0	4.98
WMQ	52.7	328	P	13 49 25.0	0.3		
			S	13 56 52.0	3.9		
			ScS	13 59 08.3	0.6		
			LZ		Ms=5.9	19.0	6.57
KSH	57.2	318	eP	13 49 57.0	−0.3		
			iS	13 57 53.0	3.5		
			ScS	13 59 44.0	4.5		
			LE		Ms=5.9	17.0	4.97

1985 3 5

O=14 01 01.7 ± 0.04s

LAT=45.79 N ± 1.36km
LONG=178.69 E ± 0.71km
DEPTH= 31 km ± 0.14km
STATIONS USED = 55, STAND DEV= 0.69s
Ms=5.4/ 2,

MDJ	34.2	286	eP	14 07 46.0	−0.7		
CN2	37.3	287	+P	14 08 12.6	−0.2		
SNY	39.3	285	+P	14 08 30.8	0.9		
BJI	45.1	286	eP	14 09 17.5	0.1		
TIA	46.4	281	−P	14 09 27.7	0.0		
NJ2	47.5	275	+P	14 09 36.8	0.7		
			LE	Ms=5.3		15.0	1.60
TIY	48.8	285	P	14 09 47.5	0.9		
			LN	Ms=5.5		14.0	1.92
			LE			14.0	1.47
BTO	48.9	290	eP	14 09 49.0	1.4		
WHN	51.5	276	P	14 10 06.5	−0.4		
XAN	53.2	283	+P	14 10 19.3	−0.6		
LZH	55.5	288	+iP	14 10 36.5	0.1		
			PMZ			2.0	0.18
GTA	56.2	294	+iP	14 10 41.4	−0.4		
CD2	58.6	283	eP	14 10 57.8	−0.7		
GYA	59.3	278	P	14 11 03.4	−0.4		
WMQ	61.0	304	+iP	14 11 14.7	−0.8		
KMI	62.9	279	+P	14 11 27.5	−0.6		

1985 3 5
O=15 37 54.8 ± 0.09s
LAT=35.55 N ± 1.33km
LONG= 1.40 E ± 1.48km
DEPTH= 9 km ± 0.40km
STATIONS USED = 62, STAND DEV= 1.35s
Ms=5.4/ 5,

KSH	57.7	62	P	15 47 51.0	2.1		
			eS	15 55 51.0	4.6		
WMQ	64.1	53	eP	15 48 27.5	−4.5		
			pP	15 48 33.5	−3.9		
			LN	Ms=5.6		16.0	2.04
LSA	73.2	65	eP	15 49 28.4	−1.0		
LZH	78.6	54	eP	15 50 01.5	1.8		
			PMZ			2.0	0.11
BTO	79.8	47	eP	15 50 06.5	0.5		
CD2	81.6	58	eP	15 50 16.0	0.5		
TIY	83.1	48	eP	15 50 23.0	−0.2		
			eS	16 00 35.5	−6.7		
			LN	Ms=5.4		14.0	0.67
BJI	83.8	45	eP	15 50 25.0	−1.5		
KMI	84.3	63	eP	15 50 31.0	1.4		
CN2	86.1	37	eP	15 50 37.2	−0.9		
			eS	16 01 07.0	−4.4		
			LE	Ms=5.5		15.0	1.00
GYA	86.3	60	P	15 50 41.0	1.5		
SNY	86.6	39	eP	15 50 40.0	−0.5		
			LN	Ms=5.4		18.0	0.95
TIA	86.9	47	eP	15 50 42.8	0.7		
NJ2	90.8	49	eP	15 50 58.0	−2.5		
			LZ	Ms=5.3		18.0	0.60

1985 3 5
O=23 38 03.8 ± 0.10s
LAT=33.05 N ± 1.01km
LONG=104.95 E ± 1.23km
DEPTH= 7 km ± 0.12km
STATIONS USED = 22, STAND DEV= 2.75s
M_L=3.9/ 14,

CD2	2.4	206	iPn	23 38 46.4	2.9		
			Sn	23 39 19.4	4.8		
			Sg	23 39 22.0	4.1		
			SME	M_L=3.9		0.8	0.80
LZH	3.2	344	Pn	23 38 57.5	2.9		
			eSn	23 39 34.5	0.2		
			SMN	M_L=4.0		0.8	0.51
			SME			1.3	0.67
XAN	3.5	72	Pn	23 38 59.8	1.2		
			Pg	23 39 07.4	2.5		
			Sn	23 39 41.8	0.0		
			Sg	23 39 51.5	−0.7		
			SMN	M_L=4.0		0.8	0.46
			SME			0.8	0.44
GYA	6.7	167	Pn	23 39 45.0	1.3		
GTA	7.6	328	Pn	23 39 51.8	−3.5		
KMI	8.1	194	eP	23 40 05.0	−0.7		
WHN	8.4	105	eP	23 40 03.8	−5.1		
			SMZ	M_L=3.9		1.2	0.020

1985 3 6
O=01 06 18.3 ± 0.09s
LAT= 2.17 S ± 1.42km
LONG=119.69 E ± 1.53km
DEPTH= 33 km ± 0.20km
STATIONS USED = 53, STAND DEV= 1.44s
Ms=4.1/ 3,

QZN	23.2	336	eP	01 11 25.1	1.8
			eS	01 15 37.0	8.0
GZH	25.8	346	eP	01 11 48.8	−0.1
GYA	31.1	337	P	01 12 37.0	0.5
KMI	31.7	330	+P	01 12 43.0	1.1
WHN	32.9	351	eP	01 12 53.5	1.3
NJ2	34.0	359	+P	01 13 02.0	0.2
CD2	36.2	336	eP	01 13 20.4	−0.1

TIA	38.3	357	eP	01 13 36.9	−0.6			
			PcP	01 15 49.8	−1.5			
			eS	01 19 27.5	−1.7			
			LN	Ms=4.1		25.0	0.26	
			LZ	Ms=4.1		25.0	0.26	
TIY	40.2	351	eP	01 13 53.8	−0.3			
DL2	40.9	2	P	01 13 58.2	−1.3			
LSA	41.8	321	eP	01 14 08.4	0.9			
BJI	42.1	356	eP	01 14 08.5	−1.0			
BTO	43.5	349	eP	01 14 20.2	−0.5			
SNY	43.9	4	eP	01 14 21.8	−2.4			
			LN	Ms=4.3		20.0	0.24	
GTA	45.2	338	P	01 14 35.6	0.8			
CN2	46.0	6	+P	01 14 38.0	−3.3			
MDJ	47.4	10	eP	01 14 47.0	−4.9			
WMQ	54.0	332	+iP	01 15 42.2	−0.1			
KSH	57.6	321	eP	01 16 09.0	0.7			

1985 3 6
O=04 35 03.0 ± 0.08s
LAT=12.44 S ± 1.20km
LONG=166.50 E ± 1.58km
DEPTH= 83 km ± 0.48km
STATIONS USED =101, STAND DEV= 1.09s
Ms=5.3/ 14, m_B=5.8/ 8

QZH	59.7	309	eP	04 44 58.0	−3.7			
			eS	04 53 00.0	−4.6			
			LE	Ms=5.4		20.0	1.69	
SSE	61.4	316	+iP	04 45 12.0	−1.1			
			PMZ			1.0	0.26	
GZH	62.9	304	+P	04 45 24.0	0.7			
			eS	04 53 53.0	7.9			
			LE	Ms=5.0		20.0	0.70	
NJ2	63.5	315	+iP	04 45 27.0	−0.5			
			S	04 53 56.0	4.0			
			LZ	Ms=5.2		24.0	1.10	
QZN	64.0	298	+iP	04 45 32.2	1.6			
			PMZ			1.0	0.17	
			eS	04 54 04.5	5.5			
WHN	65.9	312	P	04 45 42.5	−0.2			
MDJ	65.9	332	eP	04 45 41.5	−1.5			
			S	04 54 25.0	3.6			
			LZ	Ms=5.2		30.0	1.45	
DL2	66.0	323	+P	04 45 43.0	−0.7			
			eS	04 54 27.0	3.0			
			SME	m_B=5.6		7.0	0.55	
SNY	66.9	326	+iP	04 45 47.0	−2.2			
			eS	04 54 29.0	−5.5			
			LE	Ms=5.2		22.0	1.11	
TIA	67.1	318	+P	04 45 50.2	−0.6			
			eS	04 54 39.0	1.5			
			LN	Ms=5.4		30.0	1.45	
			LE			30.0	1.55	
			LZ	Ms=5.3		30.0	1.91	
CN2	67.3	329	+P	04 45 50.5	−1.3			
			PMZ	m_B=5.8		6.0	0.90	
			S	04 54 38.0	−0.2			
			LN	Ms=5.3		12.0	0.70	
GYA	69.8	304	+P	04 46 07.6	0.2			
			S	04 55 13.0	5.1			
BJI	70.0	321	eP	04 46 08.0	−0.6			
			PMZ	m_B=5.7		5.0	0.53	
			eS	04 55 08.0	−3.7			
			SME	m_B=5.3		7.0	0.25	
TIY	71.1	317	+iP	04 46 15.0	0.0			
			PMZ	m_B=5.8		5.0	0.65	
			PP	04 48 50.0	−5.0			
XAN	71.6	312	+P	04 46 18.0	−0.1			
KMI	72.5	301	+P	04 46 24.5	1.0			
			PMZ			1.6	0.70	
			eS	04 55 42.0	1.6			
			LZ	Ms=5.3		24.0	1.30	
HHC	73.4	320	+P	04 46 27.5	−1.1			
CD2	74.0	307	eP	04 46 32.6	0.1			
			eS	04 56 01.0	3.5			
			SKS	04 56 28.5	2.2			
			ScS	04 56 35.0	4.4			
			LE	Ms=5.3		24.0	1.20	
BTO	74.2	319	+iP	04 46 34.0	0.4			
			PMZ	m_B=5.8		5.0	0.71	
			S	04 56 03.0	5.0			
LZH	76.2	312	+P	04 46 46.0	0.8			
			PMZ			1.5	0.37	
			eS	04 56 29.0	6.8			
GTA	80.6	314	+P	04 47 09.7	0.9			
LSA	83.7	302	+P	04 47 27.0	1.5			
WMQ	90.6	315	+iP	04 47 58.4	0.0			

1985 3 6
O=05 45 19.8 ± 0.09s
LAT=49.76 N ± 1.87km
LONG= 29.11 W ± 0.80km
DEPTH= 9 km ± 0.14km
STATIONS USED = 25, STAND DEV= 1.06s

WMQ	71.7	43	eP	05 56 46.2	1.1
GTA	80.5	38	P	05 57 34.6	0.0
BTO	83.1	30	eP	05 57 49.0	0.7
MDJ	84.2	15	eP	05 57 52.5	−1.2
CN2	84.2	18	eP	05 57 54.0	0.2
BJI	85.5	26	eP	05 58 01.0	0.8

1985 3 6
O=08 49 48.8 ± 0.15s
LAT=44.24 N ± 0.57km
LONG= 80.67 E ± 0.95km
DEPTH= 29 km ± 0.67km
STATIONS USED = 7, STAND DEV= 2.38s
M_L=3.3/ 7,

WMQ	5.1	92	ePn	08 51 06.0	2.4	
			Sg	08 52 26.2	−1.9	
			SMN	M_L=3.2	0.6	0.030

1985 3 6
O=18 27 44.6 ± 0.10s
LAT=29.53 N ± 1.89km
LONG= 68.62 E ± 1.39km
DEPTH= 32 km ± 0.26km
STATIONS USED = 35, STAND DEV= 1.94s
Ms=4.5/ 1,

KSH	11.6	30	eP	18 30 31.0	−0.3	
			eS	18 32 38.0	−3.1	
			LE	Ms=4.5	8.0	1.50
LSA	19.6	84	P	18 32 13.3	−0.2	
WMQ	20.8	42	+P	18 32 26.5	0.0	
GTA	27.4	61	+P	18 33 31.3	1.4	
KMI	30.6	90	+P	18 33 59.0	0.9	
GYA	33.6	86	P	18 34 25.4	0.5	
			PcP	18 37 05.6	1.6	
XAN	34.4	72	eP	18 34 31.0	−0.3	
BTO	35.3	61	eP	18 34 41.0	1.4	
WHN	39.4	77	eP	18 35 13.2	−0.2	
GZH	40.4	88	iP	18 35 22.8	1.0	
TIA	40.9	68	eP	18 35 27.5	1.3	
NJ2	42.9	73	eP	18 35 40.4	−2.0	
CN2	46.9	56	eP	18 36 15.0	0.8	

1985 3 6
O=18 46 44.7 ± 0.10s
LAT=29.61 N ± 1.45km
LONG= 68.61 E ± 1.26km
DEPTH= 33 km ± 0.01km
STATIONS USED = 44, STAND DEV= 1.60s

LSA	19.6	84	P	18 51 16.4	2.9	
WMQ	20.8	42	+P	18 51 26.5	0.6	
GTA	27.4	61	+P	18 52 30.9	1.2	
KMI	30.6	90	−P	18 52 59.0	0.8	
GYA	33.6	86	P	18 53 25.4	0.5	
			PcP	18 56 05.4	1.4	
XAN	34.4	72	eP	18 53 31.0	−0.2	
BTO	35.3	61	eP	18 53 41.0	1.7	
WHN	39.4	77	eP	18 54 16.0	2.7	
GZH	40.4	88	−iP	18 54 22.8	0.9	
TIA	40.9	68	P	18 54 27.3	1.2	
NJ2	42.9	74	eP	18 54 43.0	0.7	
SNY	45.6	59	eP	18 55 03.9	0.2	
CN2	46.8	56	eP	18 55 17.0	3.1	

1985 3 6
O=19 19 05.0 ± 0.08s
LAT= 8.96 S ± 0.90km
LONG=124.42 E ± 1.21km
DEPTH=124 km ± 0.42km
STATIONS USED = 21, STAND DEV= 1.62s

GYA	39.2	334	P	19 26 23.6	0.6
			PcP	19 28 32.0	2.3
KMI	39.9	329	eP	19 26 30.0	0.9
XAN	45.2	342	eP	19 27 10.7	−1.2
SNY	50.5	359	eP	19 27 51.4	−1.8
CN2	52.5	1	eP	19 28 06.8	−1.2
GTA	53.3	336	P	19 28 13.2	−0.6
MDJ	53.5	5	+P	19 28 15.4	−0.1

1985 3 6
O=21 14 45.3 ± 0.13s
LAT=29.62 N ± 2.08km
LONG= 68.55 E ± 1.32km
DEPTH= 31 km ± 0.13km
STATIONS USED = 36, STAND DEV= 1.67s

KSH	11.6	30	eP	21 17 32.0	0.6
LSA	19.6	84	eP	21 19 14.6	−0.2
WMQ	20.8	42	+P	21 19 27.5	0.6
GTA	27.4	61	P	21 20 31.8	1.0
KMI	30.6	90	eP	21 21 00.0	0.6
GYA	33.7	86	P	21 21 26.0	−0.1
XAN	34.4	72	eP	21 21 31.8	−0.6
BTO	35.4	61	eP	21 21 41.0	0.6
WHN	39.4	77	eP	21 22 15.5	1.1
BJI	40.0	62	eP	21 22 20.5	1.0
GZH	40.5	88	iP	21 22 23.5	0.4
TIA	41.0	68	P	21 22 28.1	0.9
NJ2	42.9	74	−P	21 22 44.6	1.1
CN2	46.9	56	eP	21 23 17.7	2.8

1985 3 6
O=22 31 51.7 ± 0.10s
LAT=55.30 N ± 2.20km
LONG=161.78 E ± 1.60km
DEPTH= 47 km ± 0.05km
STATIONS USED =104, STAND DEV= 1.18s
Ms=5.8/44, m_B=5.2/ 2

MDJ	23.1	256	−P	22 36 55.0	0.5		
			S	22 41 04.0	6.7		
			LE	Ms = 5.6	16.0	11.6	
CN2	25.9	259	+P	22 37 19.4	−2.2		
			PMZ	m_B = 5.5	4.0	0.50	
			pP	22 37 28.4	−4.5		
			eS	22 41 42.0	−4.1		
			SS	22 42 46.0	−7.0		
			LE	Ms = 5.8	14.0	12.3	
SNY	28.2	258	+P	22 37 39.0	−3.9		
			S	22 42 21.0	−2.0		
			LN	Ms = 5.8	15.0	6.68	
			LE		15.0	9.20	
DL2	31.3	255	P	22 38 09.0	−1.3		
			eS	22 43 11.0	−1.6		
			LN	Ms = 5.6	16.0	7.11	
BJI	33.6	262	eP	22 38 29.0	−1.1		
			PcP	22 41 11.0	2.1		
			eS	22 43 44.0	−4.2		
			SMN	m_B = 5.0	8.0	0.25	
			LN	Ms = 5.7	13.0	4.31	
			LE		13.0	4.17	
HHC	35.7	267	eP	22 38 44.2	−3.9		
			eS	22 44 20.0	−0.8		
			LN	Ms = 5.7	14.0	3.80	
			LE		14.0	3.70	
TIA	35.8	257	+P	22 38 47.8	−0.7		
			PP	22 40 08.6	−0.8		
			PcP	22 41 16.5	1.4		
			eS	22 44 21.0	−0.5		
			sS	22 44 33.0	−8.5		
			LN	Ms = 5.8	22.5	8.97	
			LE		22.5	6.18	
BTO	36.7	268	+P	22 38 57.0	0.0		
			PMZ		2.0	0.45	
			PP	22 40 23.0	0.9		
			S	22 44 38.0	2.2		
			sS	22 44 55.0	−1.7		
			SS	22 47 07.0	1.8		
			LN	Ms = 5.9	12.0	5.10	
			LE		12.0	6.50	
			LZ	Ms = 6.0	12.0	8.60	
TIY	37.3	263	−P	22 39 02.4	0.6		
			S	22 44 41.5	−3.1		
			LN	Ms = 5.7	13.0	5.12	
			LE		13.0	1.73	
SSE	37.4	247	+P	22 39 03.0	0.5		
			PMZ		1.2	0.050	
			sP	22 39 18.0	−1.4		
			PcP	22 41 21.0	0.8		
			S	22 44 46.0	−0.2		
			PcS	22 45 11.0	3.6		
			SS	22 47 16.0	−4.5		
			ScS	22 49 13.0	4.2		
			LN	Ms = 5.5	20.0	4.10	
			LE		20.0	2.74	
NJ2	37.9	250	−iP	22 39 06.5	−0.2		
			PcP	22 41 22.6	0.9		
			S	22 44 55.0	1.3		
			LZ	Ms = 5.6	17.0	5.20	
WHN	41.5	253	P	22 39 36.5	−0.1		
XAN	41.9	262	eP	22 39 39.5	−0.6		
			PcP	22 41 36.2	1.6		
			PcS	22 45 25.0	0.1		
			LN	Ms = 5.9	13.0	5.12	
			LE		13.0	3.70	
LZH	43.4	269	eP	22 39 52.0	0.2		
			PMZ		1.5	0.27	
			ScP	22 45 31.0	5.9		
			eS	22 46 15.0	−1.0		
			LN	Ms = 6.1	15.0	4.60	
			LE		14.0	10.3	
GTA	43.4	275	+iP	22 39 52.0	0.2		
			PcP	22 41 41.5	2.2		
			ScP	22 45 31.4	6.2		
			ScS	22 49 50.0	6.1		
			LN	Ms = 6.0	13.0	6.23	
			LE		13.0	5.97	
QZH	43.7	244	+P	22 39 52.0	−2.6		
			LE	Ms = 5.7	14.0	4.01	
WMQ	47.2	288	+P	22 40 23.2	1.0		
			PP	22 42 17.0	5.0		
			PcS	22 45 49.0	2.7		
			eS	22 47 16.0	5.3		
			LN	Ms = 5.9	12.5	5.34	
GZH	48.0	248	+P	22 40 30.5	2.1		
			eS	22 47 20.0	−1.8		
			LN	Ms = 5.7	16.0	2.57	
			LE		16.0	2.72	
GYA	48.9	257	P	22 40 36.0	0.1		
			S	22 47 35.0	0.8		
			LN	Ms = 5.7	16.0	2.70	
			LE		16.0	3.00	
KMI	52.2	260	+P	22 41 00.0	−0.7		
			pP	22 41 14.0	1.5		
			eS	22 48 22.0	1.4		
			sS	22 48 40.0	−0.6		
			LZ	Ms = 5.8	22.0	5.90	
QZN	53.2	249	eP	22 41 06.0	−1.8		
			pP	22 41 15.4	−4.4		

			LN	Ms=5.7	19.0	2.80	
			LE		20.0	3.40	
LSA	55.3	273	P	22 41 24.0	0.2		
KSH	56.5	292	P	22 41 33.0	0.7		
			PcP	22 42 30.0	2.7		
			eS	22 49 20.0	1.3		
			LE	Ms=6.0	13.0	4.70	

1985 3 6
O=23 20 44.6 ± 0.10s
LAT=10.47 S ± 0.87km
LONG=161.58 E ± 0.56km
DEPTH=122 km ± 0.94km
STATIONS USED = 35, STAND DEV= 1.04s

SSE	56.6	318	+P	23 30 18.1	0.3		
			PMZ			1.0	0.030
NJ2	58.8	318	eP	23 30 32.6	−0.2		
DL2	61.6	325	eP	23 30 52.0	−0.1		
TIA	62.5	320	P	23 30 57.4	−0.7		
CN2	63.2	331	−P	23 31 02.6	−0.1		
GYA	64.7	306	P	23 31 13.0	0.2		
BJI	65.5	323	eP	23 31 17.5	−0.1		
XAN	66.7	314	−P	23 31 25.2	−0.3		
KMI	67.3	303	eP	23 31 29.5	0.0		
CD2	69.0	309	eP	23 31 39.7	0.0		
BTO	69.6	320	eP	23 31 43.1	−0.2		
GTA	75.7	315	P	23 32 20.9	1.5		

1985 3 7
O=00 54 59.0 ± 0.18s
LAT=32.84 S ± 1.73km
LONG= 71.85 W ± 0.90km
DEPTH= 46 km ± 1.57km
STATIONS USED = 31, STAND DEV= 1.60s

WMQ	160.6	50	ePKP	01 14 56.2	1.6		
BJI	170.3	320	ePKP	01 14 58.0	−4.5		
GTA	170.6	43	PKP	01 15 03.8	1.0		
KMI	171.0	147	ePKP	01 15 05.5	2.4		
TIA	171.9	297	−PKP	01 15 04.0	0.6		
GYA	173.5	168	ePKP	01 15 05.6	1.2		
TIY	174.0	325	ePKP	01 15 05.0	0.4		
LZH	175.2	46	ePKP	01 15 06.0	1.2		
XAN	178.6	332	ePKP	01 15 05.5	0.2		

1985 3 7
O=01 56 04.5 ± 0.08s
LAT=32.93 S ± 1.13km
LONG= 72.03 W ± 1.03km
DEPTH= 27 km ± 0.60km
STATIONS USED = 20, STAND DEV= 1.11s

WMQ	160.8	50	ePKP	02 16 04.0	0.9		
GTA	170.8	43	PKP	02 16 12.7	1.5		
TIA	171.8	296	ePKP	02 16 11.5	−0.2		
GYA	173.5	170	ePKP	02 16 13.6	1.0		

1985 3 7
O=03 50 56.8 ± 0.07s
LAT=38.05 N ± 1.00km
LONG=106.40 E ± 0.53km
DEPTH= 7 km ± 0.17km
STATIONS USED = 5, STAND DEV= 2.94s
M_L=3.1/ 4,

LZH	2.8	227	ePg	03 51 47.0	0.0		
			eSg	03 52 21.0	−4.4		
			SMN	M_L=3.0		1.5	0.070
BTO	3.8	47	ePg	03 52 04.3	0.3		
			eSg	03 52 51.8	−3.8		
TIY	4.8	92	ePg	03 52 23.4	1.9		
			Sg	03 53 24.2	−2.6		
			SMN	M_L=3.2		0.6	0.040
			SME			0.6	0.030
GTA	5.3	287	Pg	03 52 30.6	−0.5		
			Sg	03 53 36.5	−7.1		
			SMN	M_L=2.8		0.8	0.010
			SME			0.5	0.010

1985 3 7
O=09 25 51.3 ± 0.07s
LAT=31.04 N ± 1.13km
LONG=139.38 E ± 1.29km
DEPTH= 23 km ± 0.38km
STATIONS USED = 76, STAND DEV= 1.12s
Ms=5.0/36, m_B=5.5/ 5

MDJ	15.6	333	eP	09 29 32.0	0.4		
			eS	09 32 23.0	−1.2		
			LE	Ms=5.0		12.0	3.6
SSE	15.6	275	eP	09 29 30.0	−1.7		
			pP	09 29 36.0	−1.7		
			LN	Ms=4.4		11.0	0.97
			LZ	Ms=5.0		10.0	3.27
DL2	16.5	303	+iP	09 29 44.0	0.5		
			pP	09 29 51.5	1.9		
			S	09 32 52.5	7.3		
			LN	Ms=5.0		9.0	1.35
			LE			11.0	3.08
SNY	16.6	315	+iP	09 29 46.0	1.0		
			S	09 32 52.0	4.1		
			LN	Ms=5.0		12.0	3.19
			LE			12.0	1.29
CN2	16.8	323	+iP	09 29 48.8	1.2		

			PMZ		$m_B=5.5$	4.0	1.00
			pP	09 29 56.5	2.7		
			eS	09 32 52.0	−1.4		
			SMN		$m_B=5.6$	7.0	1.40
			SME			7.0	1.70
			LN		Ms=5.1	12.0	4.20
NJ2	17.5	279	+iP	09 29 56.0	−0.2		
			pP	09 30 05.5	3.1		
			LN		Ms=4.9	12.0	2.50
TIA	19.2	292	+P	09 30 16.6	−0.4		
			PP	09 30 35.0	1.5		
			S	09 33 51.0	4.4		
			SMN		$m_B=5.0$	6.0	0.41
			LN		Ms=5.0	12.0	2.41
			LE			12.0	1.36
			LZ		Ms=4.6	12.0	1.01
QZH	19.3	257	−P	09 30 19.0	1.0		
			pP	09 30 26.0	1.6		
			eS	09 33 55.0	5.6		
			LN		Ms=4.6	12.0	1.04
BJI	20.9	302	eP	09 30 33.5	−1.1		
			PMZ			3.0	0.82
			eS	09 34 27.0	5.5		
			SMN		$m_B=5.3$	6.0	0.45
			SME			7.0	0.69
			LZ		Ms=4.8	20.0	2.71
WHN	21.5	275	P	09 30 42.0	1.0		
			pP	09 30 46.0	−2.2		
			S	09 34 40.0	7.1		
			sS	09 34 48.0	3.0		
			LN		Ms=4.9	12.0	1.74
TTY	23.2	294	eP	09 30 57.8	0.1		
			LN		Ms=5.0	13.0	2.48
GZH	24.5	257	eP	09 31 11.9	1.8		
			eS	09 35 26.5	0.1		
			LE		Ms=5.2	11.0	2.67
HHC	24.5	301	P	09 31 11.0	0.7		
			sP	09 31 24.5	3.6		
			eS	09 35 33.0	6.2		
			LN		Ms=5.0	14.0	2.32
BTO	25.6	300	+iP	09 31 20.3	−0.4		
			eS	09 35 40.0	−4.9		
XAN	25.8	285	+iP	09 31 22.6	−0.4		
			S	09 35 50.0	1.8		
			LN		Ms=5.0	12.0	1.55
			LE			13.0	1.01
GYA	29.0	269	P	09 31 51.6	−0.4		
			pP	09 31 57.0	−2.2		
			S	09 36 44.0	4.4		
			LN		Ms=4.9	13.0	0.90
			LE			13.0	0.80
CD2	30.5	279	eP	09 32 03.8	−1.3		
			eS	09 37 02.0	−2.1		
			LN		Ms=5.3	13.0	2.90
KMI	32.8	269	eP	09 32 24.0	−1.5		
			sP	09 32 39.0	3.0		
			eS	09 37 40.0	−0.3		
			LN		Ms=4.9	15.0	1.08
GTA	33.2	296	+P	09 32 27.8	−1.2		
WMQ	42.3	303	+P	09 33 45.3	−0.6		
			S	09 40 05.6	0.9		
			SMN			2.5	0.15
			SME			3.5	0.14
			LN		Ms=5.2	12.0	1.15
KSH	51.5	298	+P	09 34 59.0	0.8		
			eS	09 42 19.0	2.6		
			LE		Ms=5.2	11.0	0.79

1985 3 7

O=11 19 42.0 ± 0.08s
LAT= 5.80 N ± 1.00km
LONG=126.34 E ± 1.55km
DEPTH= 91 km ± 0.26km
STATIONS USED =104, STAND DEV= 1.06s
m_B=5.7 / 23

QZH	20.4	339	+P	11 24 14.0	−0.4		
			pP	11 24 30.5	−2.0		
			sP	11 24 41.0	−3.4		
			S	11 27 56.0	3.2		
			SMN		$m_B=6.3$	6.0	3.84
			SME			6.0	3.52
			LN			12.0	1.56
QZN	20.8	311	+iP	11 24 19.2	1.4		
			S	11 28 04.0	5.1		
			SMN		$m_B=6.3$	10.0	3.40
			SME			10.0	6.30
GZH	21.3	325	eP	11 24 23.2	0.4		
SSE	25.6	350	eP	11 25 03.0	−2.0		
			PMZ		$m_B=6.1$	4.0	1.94
			pP	11 25 29.0	4.3		
			S	11 29 28.0	4.3		
			sS	11 30 02.0	2.8		
			LE			11.0	2.40
NJ2	27.0	346	+P	11 25 18.5	0.5		
			PMZ		$m_B=6.0$	4.0	1.30
			S	11 29 50.0	3.2		
			LE			9.0	1.80
WHN	27.1	337	eP	11 25 19.2	0.8		
			PcP	11 28 36.0	−1.0		
			S	11 29 50.0	2.6		

			SMN	$m_B = 5.4$		12.0	1.51
			LN			14.0	1.51
GYA	27.8	320	P	11 25 26.0	0.6		
			pP	11 25 49.0	3.8		
			PcP	11 28 40.2	1.3		
			S	11 30 04.0	4.4		
			ScP	11 32 13.0	3.0		
			LN			10.0	2.10
			LE			10.0	1.80
KMI	29.7	313	+P	11 25 43.0	1.1		
			iS	11 30 31.0	0.8		
			LE			12.0	2.30
TIA	31.4	346	eP	11 25 55.8	−1.4		
			PcP	11 28 48.8	0.8		
			S	11 30 58.0	1.5		
			ScP	11 32 25.1	3.5		
			SMN	$m_B = 5.3$		10.0	0.85
XAN	32.4	332	eP	11 26 04.0	−1.8		
			pP	11 26 22.5	−3.7		
			S	11 31 18.0	6.2		
			sS	11 31 46.5	−1.9		
			LN			14.0	2.33
CD2	32.8	322	eP	11 26 07.7	−1.1		
			pP	11 26 28.0	−1.3		
			sP	11 26 43.0	2.6		
			PP	11 27 21.0	0.4		
			S	11 31 17.1	−0.2		
			LN			14.0	4.60
DL2	33.2	353	+iP	11 26 14.0	1.2		
			PMZ			3.0	0.66
			pP	11 26 29.0	−4.4		
			S	11 31 28.0	3.4		
			SMN	$m_B = 5.6$		5.0	0.61
			SME			7.0	0.83
			ScS	11 36 33.5	6.4		
			LN			19.0	2.30
TIY	34.2	340	eP	11 26 20.8	−0.4		
			sP	11 26 50.0	−2.8		
			S	11 31 41.0	1.4		
			LN			11.0	0.78
			LE			11.0	0.99
BJI	35.3	346	eP	11 26 30.0	−0.5		
			PMZ	$m_B = 5.6$		5.0	0.53
			eS	11 31 57.0	−0.3		
			sS	11 32 28.0	−5.2		
			ScS	11 36 44.0	6.0		
			SMN	$m_B = 5.7$		8.0	1.11
			SME			8.0	1.00
			LN			10.0	0.81
SNY	36.0	356	eP	11 26 36.0	−0.1		
			pP	11 26 59.0	2.0		
			iS	11 32 08.0	0.4		
			ScS	11 36 47.3	5.7		
			LN			23.0	2.28
LZH	36.5	329	−P	11 26 40.5	−0.7		
			S	11 32 17.0	1.5		
			PcS	11 32 45.0	−4.1		
			sS	11 32 56.0	3.5		
			LN			9.0	3.39
			LE			9.0	3.46
HHC	37.3	341	eP	11 26 48.2	0.5		
			pP	11 27 10.0	1.5		
			sP	11 27 22.5	3.1		
			eS	11 32 31.0	2.4		
			sS	11 33 08.0	3.4		
			ScS	11 36 57.0	7.7		
			SME	$m_B = 5.6$		7.0	0.94
			LN			13.0	1.00
BTO	37.6	339	eP	11 26 50.0	−0.1		
			pP	11 27 07.5	−3.4		
			PP	11 28 20.0	0.7		
			S	11 32 35.0	3.2		
			SMN	$m_B = 5.6$		8.0	0.70
			SME			8.0	0.60
			LN			12.0	0.90
			LE			12.0	0.70
CN2	37.9	359	eP	11 26 52.0	0.0		
			PMZ	$m_B = 5.7$		4.0	0.50
			pP	11 27 14.0	1.0		
			sP	11 27 24.0	0.1		
			PP	11 28 26.0	3.9		
			PPMZ			5.0	0.50
			PcP	11 29 07.0	0.4		
			eS	11 32 36.0	−0.5		
			ScP	11 32 44.0	−0.4		
			SS	11 35 16.0	−0.3		
MDJ	38.8	4	eP	11 26 59.0	−0.6		
			sP	11 27 34.0	2.5		
			PcS	11 33 03.0	5.5		
			LE			25.0	1.61
LSA	40.8	310	P	11 27 18.3	1.4		
			iS	11 33 20.3	−1.2		
			SME	$m_B = 6.0$		5.0	1.26
GTA	41.1	328	P	11 27 19.5	0.2		
			pP	11 27 39.0	−1.2		
			PP	11 29 00.0	2.2		
			PcP	11 29 19.1	2.1		
			S	11 33 21.5	−3.1		
			ScS	11 37 14.9	3.5		
			LE			11.0	1.94

WMQ	50.8	324	P	11 28 35.4	−0.5		
			ScP	11 33 39.5	2.4		
			S	11 35 44.0	1.3		
			LN			18.0	11.2
KSH	56.3	314	cP	11 29 16.0	−0.3		
			pP	11 29 40.0	1.9		
			iS	11 37 02.0	4.0		
			LN			14.0	2.50

1985 3 7
O = 12 16 41.8 ± 0.07s
LAT = 33.08 S ± 1.32km
LONG = 71.80 W ± 1.56km
DEPTH = 34 km ± 0.43km
STATIONS USED = 14, STAND DEV = 1.53s

WMQ	160.7	50	cPKP	12 36 40.3	1.2		
GTA	170.7	45	PKP	12 36 48.6	1.3		
TIA	172.0	295	cPKP	12 36 48.3	0.4		

1985 3 7
O = 12 42 22.8 ± 0.07s
LAT = 31.00 N ± 1.36km
LONG = 139.40 E ± 1.45km
DEPTH = 34 km ± 0.49km
STATIONS USED = 47, STAND DEV = 1.23s
Ms = 4.1 / 6,

MDJ	15.6	333	cP	12 46 03.0	0.6		
DL2	16.5	303	+P	12 46 14.8	0.7		
			LN	Ms = 4.1		10.0	0.39
SNY	16.7	315	eP	12 46 17.9	2.3		
			eS	12 49 24.0	5.1		
			LN	Ms = 4.3		13.0	0.71
CN2	16.9	323	+iP	12 46 19.0	0.7		
			pP	12 46 28.0	2.0		
			sP	12 46 35.0	4.3		
			eS	12 49 25.0	1.2		
			LN	Ms = 4.6		15.0	1.70
NJ2	17.5	279	eP	12 46 25.0	−1.6		
TIA	19.3	292	P	12 46 46.8	−0.6		
			pP	12 46 57.2	2.0		
			LN	Ms = 4.1		13.0	0.22
			LE			13.0	0.26
BJI	20.9	302	eP	12 47 03.5	−1.4		
WHN	21.5	275	P	12 47 12.0	0.9		
TIY	23.2	294	eP	12 47 28.8	0.9		
			LN	Ms = 4.2		13.0	0.33
HHC	24.5	301	eP	12 47 40.8	0.2		
BTO	25.6	300	eP	12 47 50.7	−0.2		
XAN	25.8	285	+P	12 47 52.2	−1.0		
GYA	29.0	269	P	12 48 21.8	−0.2		
LZH	30.0	289	eP	12 48 29.5	−1.1		
GTA	33.2	296	P	12 48 57.7	−1.4		
WMQ	42.4	303	P	12 50 15.6	−0.5		

1985 3 7
O = 18 09 50.9 ± 0.06s
LAT = 13.26 N ± 0.65km
LONG = 143.98 E ± 1.48km
DEPTH = 134 km ± 0.14km
STATIONS USED = 18, STAND DEV = 0.81s

BJI	36.2	323	eP	18 16 42.0	−0.5		
GYA	37.3	296	P	18 16 53.6	1.2		
XAN	37.9	309	+P	18 16 57.5	0.2		
GTA	46.8	312	P	18 18 09.4	0.4		
WMQ	56.7	314	eP	18 19 23.5	−0.2		

1985 3 7
O = 19 15 59.5 ± 0.08s
LAT = 28.57 N ± 1.02km
LONG = 102.27 E ± 0.58km
DEPTH = 6 km ± 0.02km
STATIONS USED = 5, STAND DEV = 4.26s
M_L = 3.5 / 2,

CD2	2.7	29	Pn	19 16 41.6	−1.8		
			Pg	19 16 44.4	−2.2		
			SMN	M_L = 3.7		0.4	0.30
			SME			0.3	0.40

1985 3 7
O = 19 56 41.2 ± 0.07s
LAT = 14.72 S ± 0.60km
LONG = 167.33 E ± 1.22km
DEPTH = 130 km ± 0.40km
STATIONS USED = 36, STAND DEV = 0.96s

MDJ	68.3	332	eP	20 07 30.2	−0.7
CN2	69.7	329	+P	20 07 38.6	−0.7
GYA	71.8	305	P	20 07 52.0	0.0
BJI	72.3	321	eP	20 07 54.5	−0.5
TIY	73.3	317	eP	20 08 01.4	0.5
XAN	73.7	313	eP	20 08 03.4	−0.1
KMI	74.3	302	+P	20 08 08.5	1.3
			pP	20 08 40.5	1.8
LZH	78.4	312	eP	20 08 30.5	0.9
GTA	82.7	314	P	20 08 53.7	1.0
			pP	20 09 25.8	1.1
LSA	85.6	302	+P	20 09 07.4	−0.1
WMQ	92.8	315	eP	20 09 40.0	−0.9

1985 3 7
O = 21 08 05.0 ± 0.29s

LAT= 13.85 S ± 2.98km
LONG= 72.50 W ± 2.95km
DEPTH= 60 km ± 2.54km
STATIONS USED = 80, STAND DEV= 1.83s

KSH	142.3	41	ePKP	21 27 32.0	0.3			
MDJ	144.0	333	ePKP	21 27 32.0	−2.5			
WMQ	145.7	26	iPKP	21 27 38.3	0.9			
CN2	146.4	336	−PKP	21 27 38.0	−0.6			
			PKP_2	21 27 52.5				
SNY	148.8	336	ePKP	21 27 42.9	0.4			
DL2	152.1	336	ePKP	21 27 48.0	0.5			
			PKP_2	21 28 19.0				
BJI	152.8	345	ePKP	21 27 50.0	1.4			
HHC	152.9	353	ePKP	21 27 49.7	0.9			
BTO	153.3	356	ePKP	21 27 50.8	1.5			
GTA	153.7	14	PKP	21 27 51.2	1.3			
TIA	156.1	340	PKP	21 27 54.0	1.0			
LZH	157.6	8	ePKP	21 27 57.0	1.8			
LSA	158.2	41	+PKP	21 27 57.2	1.0			
XAN	159.9	357	ePKP	21 27 58.9	1.2			
WHN	162.2	340	ePKP	21 27 53.0	−7.0			
			sPKP	21 28 28.0				
			PKP_2	21 28 48.5				
CD2	162.7	11	ePKP	21 28 02.0	1.4			
GYA	167.4	3	PKP	21 28 06.4	1.5			
			PKP_2	21 29 11.0				
			PP	21 33 01.0	0.6			
KMI	167.9	21	PKP	21 28 06.5	1.3			
QZN	174.4	337	PKP	21 28 11.0	2.1			

1985 3 8
O= 00 24 41.6 ± 0.07s
LAT= 4.40 S ± 1.37km
LONG= 106.93 E ± 1.65km
DEPTH= 630 km ± 0.35km
STATIONS USED =104, STAND DEV= 1.09s
m_B= 5.3 / 10

QZN	23.5	7	−P	00 29 08.2	1.2			
			sP	00 31 52.0	2.3			
			S	00 32 40.0	1.2			
GZH	28.0	13	eP	00 29 47.0	0.2			
KMI	29.6	352	−iP	00 30 02.5	1.8			
			PMZ			1.5	0.50	
			PcP	00 32 45.0	0.8			
			S	00 34 17.0	2.2			
GYA	30.7	360	−P	00 30 10.6	1.1			
			PcP	00 32 47.0	0.0			
			S	00 34 31.0	0.0			
			ScP	00 35 31.2	0.9			
			PcS	00 36 25.0	−3.8			
CD2	35.2	355	−iP	00 30 47.9	0.4			
			PMZ			1.0	0.40	
			PcP	00 33 00.4	0.4			
			iS	00 35 36.5	−4.3			
			SMN			3.0	2.00	
WHN	35.5	11	−P	00 30 50.5	1.3			
			PcP	00 33 00.5	−0.2			
			eS	00 35 40.0	−4.0			
			SMN	m_B= 4.9		8.0	0.70	
LSA	37.1	337	+iP	00 31 03.0	−0.4			
			S	00 36 04.6	−3.0			
SSE	37.8	20	−P	00 31 09.7	1.1			
			PMZ			1.0	0.060	
			PcP	00 33 07.8	−0.2			
			iS	00 36 17.0	−1.7			
			SMN	m_B= 5.3′		6.0	1.09	
NJ2	38.0	17	−P	00 31 11.0	1.1			
			PcP	00 33 08.4	−0.1			
			ScP	00 35 57.2	0.8			
			iS	00 36 21.0	0.0			
XAN	38.3	3	−iP	00 31 12.0	−0.3			
			PcP	00 33 09.0	−0.4			
			iS	00 36 21.5	−3.9			
LZH	40.4	356	−iP	00 31 30.0	0.7			
			PMZ			1.5	0.61	
			pP	00 33 17.0	−1.3			
			S	00 36 53.0	−1.6			
			PcS	00 37 06.0	1.6			
			SME	m_B= 5.3		5.0	0.76	
TIA	41.5	12	−P	00 31 37.5	−0.6			
			PcP	00 33 19.8	−0.3			
			ScP	00 36 10.8	0.5			
			S	00 37 09.0	−1.8			
			SMN	m_B= 5.1		6.0	0.52	
			SME			6.0	0.33	
TIY	42.2	7	−iP	00 31 43.8	0.1			
			PMZ			0.8	0.32	
GTA	44.1	352	−iP	00 31 58.9	0.5			
			PcP	00 33 29.2	0.3			
			ScP	00 36 21.8	1.2			
			S	00 37 47.5	0.5			
			ScS	00 40 44.3	−1.0			
			SME	m_B= 5.0		7.0	0.46	
BTO	44.9	3	−iP	00 32 04.1	−0.2			
BJI	45.0	10	−P	00 32 05.0	−0.4			
			PcP	00 33 32.0	−0.3			
			ScP	00 36 25.0	0.4			
DL2	45.2	16	−P	00 32 05.8	−0.8			
			PcP	00 33 32.3	−0.5			
HHC	45.2	5	P	00 32 07.0	−0.1			

SNY	48.4	17	–iP	00 32 29.6	–1.6		
			S	00 38 43.5	–3.6		
			ScS	00 41 14.5	0.3		
			SMN	m_B = 5.4		6.0	0.78
CN2	50.8	17	–iP	00 32 46.7	–1.7		
			PMZ			3.0	0.60
			PcP	00 33 52.5	–0.9		
			pP	00 34 40.0	–1.5		
			sP	00 35 49.0	0.6		
			ScP	00 36 48.7	–0.3		
			iS	00 39 15.0	–4.9		
			SMN	m_B = 5.5		5.0	0.80
			ScS	00 41 30.0	–0.3		
			sS	00 42 36.0	–5.0		
			SS	00 43 00.0	–6.6		
WMQ	51.0	342	–iP	00 32 49.0	–1.2		
			PcP	00 33 53.5	–0.8		
			pP'	00 34 45.0	1.6		
			iS	00 39 21.5	–1.7		
			SMN			1.8	0.12
			ScS	00 41 31.2	–0.7		
KSH	52.1	330	–iP	00 32 58.0	–0.1		
			iS	00 39 36.0	–1.8		
MDJ	52.9	20	–P	00 33 01.9	–1.2		

1985 3 8
O = 02 28 56.4 ± 0.13s
LAT = 26.29 N ± 1.36km
LONG = 129.59 E ± 1.38km
DEPTH = 39 km ± 0.75km
STATIONS USED = 34, STAND DEV = 1.80s
m_B = 4.7 / 1

TIA	14.5	316	eP	02 32 26.0	4.6		
			eS	02 35 03.0	1.2		
			SMN	m_B = 4.7		10.5	0.33
			SME			10.5	0.33
SNY	16.3	344	+P	02 32 43.6	–0.2		
BJI	17.7	324	eP	02 33 02.5	0.8		
CN2	17.8	350	eP	02 33 01.4	–1.5		
MDJ	18.3	0	eP	02 33 07.5	–1.5		
XAN	19.4	298	–P	02 33 21.3	–1.4		
GYA	20.5	276	P	02 33 35.2	0.7		
BTO	21.6	316	eP	02 33 45.1	–0.3		
CD2	23.1	287	eP	02 34 00.8	0.6		
KMI	24.2	273	+P	02 34 13.5	2.5		
GTA	28.1	305	P	02 34 45.8	–1.3		

1985 3 8
O = 10 47 10.8 ± 0.08s
LAT = 55.70 N ± 1.99km
LONG = 161.45 E ± 1.32km
DEPTH = 87 km ± 0.04km
STATIONS USED = 51, STAND DEV = 1.27s

MDJ	23.0	255	eP	10 52 09.2	0.0		
BJI	33.5	261	eP	10 53 44.0	–0.2		
BTO	36.6	268	eP	10 54 11.5	0.8		
TIY	37.2	262	eP	10 54 14.6	–1.2		
XAN	41.8	261	eP	10 54 53.6	–0.4		
GTA	43.1	275	P	10 55 05.6	0.5		
LZH	43.2	268	eP	10 55 05.5	0.1		
WMQ	46.9	288	+iP	10 55 36.0	1.1		
			PP	10 57 30.5	4.8		
			S	11 02 22.0	4.5		
			SMN			2.0	0.030
CD2	47.0	263	eP	10 55 34.8	–1.2		
GYA	48.9	257	P	10 55 50.8	0.6		
KMI	52.1	259	eP	10 56 15.0	0.2		

1985 3 8
O = 12 54 59.2 ± 0.13s
LAT = 44.09 N ± 3.52km
LONG = 149.24 E ± 2.42km
DEPTH = 37 km ± 0.63km
STATIONS USED = 30, STAND DEV = 2.39s
Ms = 4.4 / 4,

MDJ	14.1	279	eP	12 58 17.7	–0.7		
CN2	17.1	277	eP	12 58 54.8	–2.9		
			eS	13 01 57.0	–8.5		
			LE	Ms = 4.5		14.0	1.20
BJI	24.8	272	eP	13 00 18.0	–1.4		
TIA	25.7	263	P	13 00 27.0	–0.7		
			eS	13 04 52.0	0.7		
			LE	Ms = 4.4		17.0	0.60
			LZ	Ms = 4.6		17.0	0.91
TIY	28.4	270	eP	13 00 56.0	3.4		
BTO	29.0	277	eP	13 01 01.9	3.5		
XAN	32.6	266	eP	13 01 27.0	–2.9		
LZH	35.3	273	eP	13 01 51.5	–1.6		
CD2	37.9	265	eP	13 02 14.4	–1.1		
GYA	38.5	257	P	13 02 20.0	0.0		
KMI	42.1	259	eP	13 02 48.5	–1.4		
WMQ	43.4	292	eP	13 02 59.4	–1.0		

1985 3 8
O = 17 48 24.0 ± 0.05s
LAT = 29.96 S ± 0.86km
LONG = 177.11 W ± 1.20km
DEPTH = 33 km ± 0.29km
STATIONS USED = 27, STAND DEV = 0.85s
Ms = 5.1 / 1,

MDJ	88.7	325	eP	18 01 15.7	−0.5		
TIA	90.2	312	P	18 01 23.2	−0.3		
			LZ	Ms = 5.1		30.0	0.74
CN2	90.3	322	+P	18 01 22.8	−0.8		
GYA	92.0	299	eP	18 01 31.8	0.0		
BJI	93.2	315	eP	18 01 36.5	−0.4		
TIY	94.2	311	eP	18 01 41.5	0.0		

1985 3 8
O = 21 45 21.0 ± 0.36s
LAT = 2.93 S ± 2.49km
LONG = 75.36 W ± 1.79km
DEPTH = 148 km ± 3.23km
STATIONS USED = 40, STAND DEV = 2.24s

CN2	135.3	339	cPKP	22 04 24.0	−0.4		
WMQ	136.6	18	cPKP	22 04 26.5	−0.3		
BJI	141.6	346	cPKP	22 04 31.0	−4.8		
GTA	143.4	6	PKP	22 04 36.0	−3.1		
TIY	144.7	349	cPKP	22 04 39.4	−1.8		
TIA	144.9	342	PKP	22 04 39.5	−2.1		
LZH	147.0	1	cPKP	22 04 46.0	0.8		
			pPKP	22 05 24.0	0.8		
SSE	147.9	333	PKP	22 04 49.5	3.0		
			pPKP	22 05 27.6	2.7		
NJ2	148.1	337	cPKP	22 04 47.0	0.2		
XAN	148.8	353	cPKP	22 04 48.4	0.4		
			pPKP	22 05 28.3	1.9		
LSA	150.5	24	PKP	22 04 52.5	1.5		
WHN	151.0	343	iPKP	22 04 57.6	6.3		
			pPKP	22 05 35.5	5.6		
CD2	152.2	2	cPKP	22 04 54.5	1.4		
GYA	156.5	355	cPKP	22 05 03.0	3.9		

1985 3 9
O = 14 08 03.2 ± 0.08s
LAT = 66.28 N ± 1.52km
LONG = 149.97 W ± 1.20km
DEPTH = 13 km ± 0.32km
STATIONS USED = 119, STAND DEV = 1.19s
Ms = 6.8 / 45, m_B = 6.1 / 20

MDJ	46.5	284	eP	14 16 33.0	0.2		
			pP	14 16 37.0	−1.7		
			PP	14 18 19.0	−2.5		
			S	14 23 12.0	−7.4		
			SME	m_B = 5.9		12.0	2.23
			LE	Ms = 6.7		14.0	35.1
CN2	48.8	287	+P	14 16 47.0	−3.8		
			PMZ			3.0	0.70
			pP	14 16 52.0	−4.7		
			PP	14 18 40.0	−3.3		
			ScP	14 22 06.0	−2.3		
			SMN	m_B = 6.0		7.0	1.50
			SS	14 27 15.0	−2.9		
			LN	Ms = 6.7		12.0	27.7
SNY	51.2	287	eP	14 17 09.2	0.0		
			PcP	14 18 28.0	4.2		
			PP	14 19 02.0	−4.0		
			S	14 24 27.5	2.3		
			ScS	14 26 55.0	−0.6		
			SS	14 27 57.0	−1.5		
			LN	Ms = 6.9		11.0	5.27
			LE			11.0	41.9
DL2	54.5	287	eP	14 17 33.5	−0.1		
			S	14 25 09.0	−0.8		
			LN	Ms = 7.0		16.0	33.0
			LE			16.0	61.3
BJI	55.6	292	eP	14 17 42.0	0.5		
			cS	14 25 27.0	1.3		
			SMN	m_B = 6.1		10.0	0.70
			SME			11.0	2.39
			LN	Ms = 6.8		19.0	29.6
			LE			19.0	35.2
HHC	56.6	296	eP	14 17 50.0	1.1		
			S	14 25 40.0	2.2		
			SME	m_B = 5.7		10.0	0.91
			LN	Ms = 7.1		16.0	54.6
			LE			16.0	65.4
BTO	57.4	297	eP	14 17 53.0	−1.4		
			S	14 25 45.0	−3.0		
			SMN	m_B = 5.9		10.0	0.60
			SME			10.0	1.40
			LN	Ms = 6.9		11.0	29.5
			LE			11.0	17.5
			LZ	Ms = 6.9		11.0	35.5
TIA	58.6	289	eP	14 18 01.4	−1.4		
			PP	14 20 08.5	−4.8		
			PPMZ			16.0	0.59
			S	14 26 04.5	0.5		
			SMN			15.0	2.20
			SME			13.0	3.03
			LN	Ms = 6.7		14.0	23.2
			LZ	Ms = 6.9		13.0	36.1
TIY	59.0	294	eP	14 18 06.6	0.6		
			S	14 26 13.5	3.7		
			SME	m_B = 5.9		11.0	1.74
SSE	61.5	283	P	14 18 22.0	−0.9		
			PP	14 20 42.0	2.2		
			S	14 26 44.0	2.4		
			ScS	14 28 10.0	0.5		
			SS	14 30 48.0	3.9		

			LN		Ms=6.6	12.0	14.0	
			LE			12.0	9.09	
			LZ		Ms=6.8	12.0	24.6	
NJ2	61.6	285	+P	14 18 24.0	0.6			
			PMZ			3.0	0.70	
			iS	14 26 43.0	−0.7			
			SME		m_B=6.0	10.0	1.80	
			SS	14 30 48.0	2.8			
WMQ	61.7	316	P	14 18 23.3	−0.9			
			S	14 26 48.0	4.2			
			SMN		m_B=6.3	9.5	3.20	
			LN		Ms=6.8	13.0	20.5	
			LE			13.0	23.1	
GTA	62.0	305	P	14 18 25.6	−0.6			
			LN		Ms=7.1	15.0	26.0	
			LE			15.0	56.3	
LZH	63.6	300	eP	14 18 36.0	−0.9			
			PMZ			2.0	0.54	
			pP	14 18 41.0	−1.7			
			eS	14 27 06.0	−3.3			
			SME		m_B=6.2	12.0	3.30	
			LN		Ms=6.8	16.0	30.4	
XAN	63.6	295	eP	14 18 35.4	−1.4			
			S	14 27 08.0	0.2			
			SMN		m_B=6.0	9.0	0.63	
			SME			10.0	1.54	
			LN		Ms=6.1	16.0	6.01	
WHN	64.7	288	−P	14 18 45.0	1.3			
			S	14 27 21.0	−0.1			
			SME		m_B=6.1	10.0	2.04	
			SKS	14 28 41.0	7.8			
			LN		Ms=6.8	13.0	24.0	
			LZ		Ms=6.8	13.0	25.7	
QZH	68.0	282	eP	14 19 06.0	0.9			
			S	14 28 09.0	7.2			
			LN		Ms=6.4	14.0	9.71	
CD2	68.3	297	P	14 19 06.3	−0.6			
			S	14 28 07.0	2.1			
			sS	14 28 13.0	−3.3			
			SS	14 32 36.0	6.7			
			LN		Ms=6.8	15.0	25.7	
KSH	68.8	323	P	14 19 14.0	3.6			
			S	14 28 13.0	1.5			
			LE		Ms=7.1	14.0	52.5	
GYA	71.3	293	P	14 19 25.0	−0.1			
			pP	14 19 30.0	−0.9			
			S	14 28 42.0	2.2			
			LE		Ms=6.7	14.0	18.6	
GZH	71.8	286	eP	14 19 29.5	1.6			
			S	14 28 50.0	4.4			
			SMN		m_B=6.4	11.0	2.98	
			LN		Ms=6.3	15.0	7.62	
LSA	73.7	307	P	14 19 40.5	0.6			
			pP	14 19 46.5	1.2			
			S	14 29 15.0	7.4			
			LN		Ms=6.6	16.0	12.4	
			LE			16.0	8.43	
KMI	73.9	296	+P	14 19 40.0	−1.0			
			pP	14 19 45.0	−1.6			
			iS	14 29 12.0	0.0			
			SME		m_B=6.2	10.0	1.90	
			LE		Ms=6.8	18.0	26.5	
QZN	76.8	287	eP	14 19 58.9	1.7			
			S	14 29 49.0	7.2			
			SME			14.0	3.00	

1985 3 9
O=14 16 24.3 ± 0.06s
LAT=66.33 N ± 1.13km
LONG=150.16 W ± 1.13km
DEPTH= 10 km ± 0.12km
STATIONS USED = 36, STAND DEV= 1.21s

CN2	48.7	287	eP	14 25 06.5	−5.1	
SNY	51.1	287	eP	14 25 29.0	−1.0	
WMQ	61.6	316	+iP	14 26 45.0	0.0	
LZH	63.5	300	eP	14 26 57.0	−0.7	
			PMZ			1.5 0.090
CD2	68.2	297	P	14 27 27.8	0.0	
GYA	71.2	293	+P	14 27 46.6	0.5	
LSA	73.6	307	P	14 28 02.8	1.9	
KMI	73.8	296	+P	14 28 02.0	0.1	

1985 3 9
O=15 11 44.1 ± 0.12s
LAT=33.71 S ± 1.56km
LONG= 72.35 W ± 1.39km
DEPTH= 35 km ± 0.79km
STATIONS USED = 26, STAND DEV= 1.47s

WMQ	161.5	51	PKP	15 31 42.5	0.5
GTA	171.5	46	cPKP	15 31 50.5	0.6
			PKP_2	15 33 11.7	
TIA	171.8	290	ePKP	15 31 50.5	0.6
GYA	172.7	173	ePKP	15 31 51.4	0.9
			PKP_2	15 33 16.6	
CD2	175.7	129	ePKP	15 31 51.8	0.4
XAN	178.9	288	ePKP	15 31 48.0	−3.9

1985 3 9
O=16 07 05.9 ± 0.11s
LAT= 2.91 N ± 1.34km

LONG=127.41 E ± 2.28km
DEPTH= 52 km ± 0.71km
STATIONS USED = 85, STAND DEV= 1.61s
Ms=4.9/ 5, m_B=5.8/ 3

QZN	23.5	314	eP	16 12 11.9	−0.2		
			S	16 16 18.5	0.9		
			SME			15.0	1.52
QZH	23.5	340	eP	16 12 13.8	1.7		
GZH	24.2	327	+P	16 12 19.0	−0.4		
			eS	16 16 38.0	6.7		
			LN	Ms=4.3		23.0	0.74
SSE	28.6	349	eP	16 13 00.0	−0.1		
			S	16 17 46.0	3.5		
			sS	16 18 10.0	5.0		
			LN	Ms=4.7		20.0	1.17
			LZ	Ms=5.1		20.0	2.75
NJ2	30.1	345	+P	16 13 14.0	1.1		
			iS	16 18 10.5	4.3		
WHN	30.1	337	+P	16 13 14.0	0.6		
GYA	30.7	322	P	16 13 18.2	−0.6		
			PcP	16 16 15.4	0.8		
			S	16 18 17.8	2.3		
KMI	32.4	315	+P	16 13 33.5	−0.4		
TIA	34.5	345	P	16 13 51.0	−0.2		
XAN	35.4	333	−P	16 13 57.6	−2.0		
CD2	35.7	324	eP	16 14 00.0	−1.8		
DL2	36.2	352	eP	16 14 06.4	0.4		
TIY	37.3	340	P	16 14 15.0	0.1		
			PMZ			1.0	0.060
			S	16 20 02.0	5.2		
			LN	Ms=4.9		17.0	0.96
BJI	38.3	346	eP	16 14 24.0	0.2		
			eS	16 20 12.0	−2.0		
			SMN	m_B=5.9		7.0	1.40
			SME			6.0	0.63
SNY	38.9	355	eP	16 14 28.4	−0.1		
LZH	39.5	329	eP	16 14 33.5	−0.6		
			PMZ			1.2	0.070
			eS	16 20 27.0	−5.7		
			sS	16 20 50.0	−4.4		
HHC	40.4	341	+P	16 14 41.0	0.0		
BTO	40.7	340	eP	16 14 43.3	−0.1		
			S	16 20 48.0	−0.2		
			SMN	m_B=5.5		8.0	0.50
			SME			8.0	0.40
CN2	40.8	358	+P	16 14 43.0	−0.9		
MDJ	41.6	2	eP	16 14 50.0	−0.6		
LSA	43.5	312	+P	16 15 07.0	0.2		
			S	16 21 30.0	0.5		
			SMN	m_B=5.8		4.0	0.62
GTA	44.1	329	P	16 15 11.4	−0.4		
WMQ	53.8	325	−P	16 16 25.5	−0.5		
			eS	16 23 55.0	−0.1		
			LZ	Ms=5.1		20.0	1.09
KSH	59.1	315	eP	16 17 05.0	1.1		

1985 3 9
O=17 00 39.9 ± 0.06s
LAT=12.96 N ± 0.57km
LONG=143.97 E ± 0.39km
DEPTH=118 km ± 0.49km
STATIONS USED = 15, STAND DEV= 0.83s

BJI	36.4	323	eP	17 07 34.5	−0.6		
GYA	37.5	297	eP	17 07 45.8	1.7		
BTO	40.5	319	eP	17 08 09.8	0.3		
CD2	41.1	302	P	17 08 14.5	0.5		
GTA	46.9	312	P	17 09 01.4	0.2		

1985 3 9
O=17 35 01.7 ± 0.04s
LAT=42.33 N ± 0.44km
LONG= 87.21 E ± 0.42km
DEPTH= 4 km ± 0.09km
STATIONS USED = 5, STAND DEV= 2.00s
M_L=3.2/ 4,

WMQ	1.5	13	−iPg	17 35 29.7	0.8		
			Sg	17 35 50.2	0.4		
			SMN	M_L=3.2		0.4	0.29
			SME			0.4	0.28

1985 3 9
O=19 50 58.6 ± 0.15s
LAT=24.79 N ± 1.70km
LONG=122.28 E ± 2.12km
DEPTH= 9 km ± 0.43km
STATIONS USED = 76, STAND DEV= 2.15s
Ms=5.2/37, M_L=4.9/ 6, m_B=5.4/ 6

QZH	3.4	273	ePn	19 51 51.4	−0.1		
			Sn	19 52 27.0	−6.4		
			SMN	M_L=5.0		1.2	4.72
SSE	6.4	352	−P	19 52 32.2	−2.7		
			PMZ			1.0	0.12
			S	19 53 47.0	−1.1		
			LN	Ms=5.0		10.0	12.3
			LE			10.0	8.38
			LZ	Ms=5.0		10.0	14.4
NJ2	7.8	338	eP	19 52 51.8	−3.9		
			LE	Ms=5.1		11.0	13.6
GZH	8.3	260	eP	19 53 03.5	0.6		
			S	19 54 31.5	−6.5		

			LN		Ms=5.0		9.0	7.59
			LZ		Ms=5.2		10.5	16.5
WHN	9.1	311	eP	19 53	11.0	−1.8		
			LN		Ms=5.2		11.0	10.9
			LE				11.0	8.41
			LZ		Ms=5.2		10.0	12.6
TIA	12.2	340	P	19 53	55.5	−0.5		
			SS	19 56	35.0	7.9		
			LN		Ms=5.0		10.0	3.20
			LE				10.0	3.81
			LZ		Ms=5.2		10.0	7.24
QZN	12.9	246	eP	19 54	05.3	0.3		
			eS	19 56	32.5	2.8		
			LN		Ms=4.8		15.0	4.60
GYA	14.2	280	P	19 54	25.4	3.1		
			S	19 57	02.0	1.7		
			LN		Ms=5.3		10.0	3.10
			LE				10.0	6.40
			LZ		Ms=5.4		10.0	10.1
XAN	14.8	311	eP	19 54	30.0	−0.7		
			LN		Ms=5.4		9.0	4.62
			LE				11.0	6.95
TIY	15.4	329	eP	19 54	44.0	6.2		
			S	19 57	30.0	1.7		
			LN		Ms=5.3		10.0	5.61
			LE				10.0	3.49
BJI	16.0	343	eP	19 54	47.5	1.1		
			eS	19 57	49.0	4.4		
			SME		m_B=4.6		10.0	0.39
			LN		Ms=5.0		11.0	3.25
			LE				10.0	1.18
SNY	17.0	3	eP	19 54	56.0	−2.8		
			eS	19 58	05.0	−2.2		
			LN		Ms=5.2		10.0	4.57
CD2	17.5	295	eP	19 55	03.7	−0.7		
			LE		Ms=5.2		9.0	4.30
KMI	17.7	275	+P	19 55	11.0	3.2		
			eS	19 58	27.0	3.3		
			LN		Ms=5.5		10.0	6.80
			LE				12.0	7.20
HHC	18.3	333	eP	19 55	18.0	2.6		
			LN		Ms=5.4		10.0	5.28
			LE				10.0	3.50
BTO	18.8	330	eP	19 55	23.0	1.9		
			S	19 58	51.0	3.9		
			LN		Ms=5.4		11.0	4.90
			LE				10.0	3.70
			LZ		Ms=5.1		11.0	3.70
CN2	19.1	7	+P	19 55	26.0	1.1		
			PMZ		m_B=5.4		4.0	0.70
			sP	19 55	33.0	0.2		
			S	19 58	55.0	0.4		
			SMN		m_B=5.3		7.0	1.30
			LN		Ms=5.2		11.0	4.30
LZH	19.4	310	eP	19 55	30.0	1.4		
			PMZ				2.0	0.17
			eS	19 59	01.0	−1.3		
			LE		Ms=5.0		10.0	2.35
MDJ	20.7	15	eP	19 55	41.8	0.3		
			pP	19 55	46.0	−0.5		
			S	19 59	34.0	7.1		
			LE		Ms=5.2		15.0	4.53
GTA	23.9	313	P	19 56	14.5	0.6		
WMQ	34.0	313	+P	19 57	44.5	−0.6		
KSH	41.4	302	eP	19 58	45.0	−2.5		

1985 3 9

O=22 08 56.0 ± 0.06s
LAT=26.87 S ± 0.80km
LONG=176.95 W ± 1.42km
DEPTH=102 km ± 0.44km
STATIONS USED = 25, STAND DEV= 1.12s

TIA	88.3	312	P	22 21 38.5	0.6
BJI	91.1	315	eP	22 21 51.0	−0.1
XAN	92.7	307	eP	22 22 00.5	1.7

1985 3 9

O=22 34 47.0 ± 0.06s
LAT=66.30 N ± 0.70km
LONG=150.01 W ± 0.78km
DEPTH= 17 km ± 0.30km
STATIONS USED = 19, STAND DEV= 1.07s

WMQ	61.7	316	eP	22 45 06.2	−1.0
GTA	61.9	305	eP	22 45 08.6	−0.6
CD2	68.3	297	eP	22 45 49.2	−0.7
GYA	71.2	293	P	22 46 08.0	−0.2

1985 3 10

O=03 37 55.0 ± 0.12s
LAT=52.81 N ± 1.77km
LONG=107.30 E ± 1.51km
DEPTH= 32 km ± 0.31km
STATIONS USED = 47, STAND DEV= 2.21s
Ms=4.9/21,

HHC	12.3	165	−P	03 40	50.5	−0.8		
			LN		Ms=5.1		8.0	4.90
BTO	12.4	170	eP	03 40	49.0	−2.8		
			LN		Ms=5.0		9.0	3.90
			LE				9.0	1.20
			LZ		Ms=4.9		9.0	3.90

BJI	14.1	151	eP	03 41 14.5	−0.9			
			LN	Ms=4.8		12.0	1.88	
			LE			10.5	1.86	
GTA	14.4	204	eP	03 41 17.4	−1.0			
CN2	15.0	120	eP	03 41 26.0	−1.0			
			eS	03 44 10.0	−3.3			
			LN	Ms=4.9		12.0	2.70	
			LE			12.0	2.40	
TIY	15.5	165	eP	03 41 34.0	0.7			
			S	03 44 31.5	7.5			
			LN	Ms=4.9		10.0	2.32	
			LE			9.0	1.12	
SNY	15.5	129	eP	03 41 36.4	3.0			
			LN	Ms=5.1		10.0	3.09	
			LE			10.0	2.83	
WMQ	15.8	243	eP	03 41 39.5	2.4			
			LZ	Ms=4.6		14.0	1.82	
MDJ	16.8	110	eP	03 41 46.0	−3.5			
			LE	Ms=5.0		10.0	2.97	
LZH	16.9	190	eP	03 41 52.0	1.0			
			PMZ			2.0	0.090	
			LE	Ms=4.9		9.0	1.98	
TIA	18.0	153	eP	03 42 08.2	3.8			
			cS	03 45 27.0	5.6			
			LN	Ms=4.8		11.0	1.43	
			LE			10.0	0.89	
			LZ	Ms=4.9		10.0	2.15	
XAN	18.8	176	eP	03 42 13.0	−1.5			
			LN	Ms=4.8		12.0	2.04	
CD2	22.0	188	eP	03 42 48.4	−0.4			
			LN	Ms=4.9		10.0	1.50	
WHN	22.8	164	eP	03 43 00.5	3.8			
			LN	Ms=4.7		10.0	0.98	
KSH	25.3	251	eP	03 43 20.0	−0.3			
			LE	Ms=5.0		7.0	1.10	
GYA	26.3	181	P	03 43 30.8	0.5			
KMI	27.9	189	+P	03 43 43.5	−1.0			
			cS	03 48 16.0	−8.5			
			LZ	Ms=5.1		12.0	1.90	

1985 3 10
O=05 01 45.1 ± 0.10s
LAT= 0.60 S ± 1.62km
LONG=123.33 E ± 1.96km
DEPTH= 71 km ± 0.13km
STATIONS USED = 76, STAND DEV= 1.52s
Ms=5.1/14, m_B=6.0/ 5

QZN	23.6	327	eP	05 06 51.7	1.4			
			SMN	m_B=6.2		10.0	3.70	
			SME			9.0	4.70	
GZH	25.5	338	eP	05 07 07.5	−1.0			
			iS	05 11 31.5	3.2			
			SMN	m_B=6.0		7.0	2.61	
			SME			9.0	2.96	
QZH	25.8	350	eP	05 07 12.5	0.9			
			S	05 11 40.0	7.0			
			SMN	m_B=5.7		11.0	2.22	
GYA	31.3	330	P	05 08 01.4	−0.1			
			S	05 13 07.0	5.5			
			LE	Ms=5.2		14.0	2.10	
SSE	31.6	356	eP	05 08 04.2	0.7			
			PP	05 09 10.0	0.4			
			cS	05 13 06.0	−0.3			
			sS	05 13 28.0	−7.1			
			LZ	Ms=5.0		16.0	1.72	
WHN	32.1	345	eP	05 08 06.5	−1.8			
KMI	32.4	324	+P	05 08 11.5	0.4			
			cS	05 13 22.0	2.2			
			LN	Ms=5.0		11.0	1.15	
NJ2	32.8	353	eP	05 08 15.0	1.3			
CD2	36.4	331	−iP	05 08 44.8	−0.5			
			PMZ			0.9	0.20	
			S	05 14 21.0	0.4			
			LE	Ms=5.5		14.0	3.90	
XAN	37.0	340	eP	05 08 49.0	−1.2			
			S	05 14 27.0	−2.4			
			LN	Ms=4.9		11.0	0.70	
TIA	37.1	352	eP	05 08 52.7	2.1			
			S	05 14 29.4	−0.8			
			LN	Ms=5.1		11.0	0.34	
			LE			12.0	1.21	
TIY	39.4	346	eP	05 09 11.0	0.7			
LZH	40.8	336	eP	05 09 22.0	0.6			
BJI	41.0	352	eP	05 09 23.0	0.1			
SNY	42.2	0	eP	05 09 32.3	−1.0			
			S	05 15 44.0	−3.5			
			LE	Ms=5.1		34.0	2.58	
BTO	42.8	345	eP	05 09 37.9	0.2			
LSA	43.0	317	P	05 09 41.0	0.9			
CN2	44.2	2	eP	05 09 51.2	1.6			
			PP	05 11 33.0	−1.5			
			cS	05 16 23.0	5.2			
			LE	Ms=5.1		14.0	1.00	
GTA	45.3	334	P	05 09 57.0	−1.0			
			S	05 16 31.0	−0.5			
			LE	Ms=5.1		18.0	1.37	
MDJ	45.4	6	eP	05 09 57.0	−1.6			
WMQ	54.5	329	eP	05 11 09.0	0.7			
KSH	58.8	318	eP	05 11 42.0	2.9			

1985 3 10
O = 05 09 11.0 ± 0.14s
LAT = 21.09 S ± 1.24km
LONG = 179.10 W ± 1.73km
DEPTH = 645 km ± 1.40km
STATIONS USED = 81, STAND DEV = 1.15s

QZH	75.9	304	cP	05 19 54.7	−0.8		
SSE	77.3	311	−P	05 20 02.5	−0.5		
GZH	79.1	300	−iP	05 20 14.0	1.3		
NJ2	79.5	310	−iP	05 20 14.5	−0.1		
QZN	80.2	295	−P	05 20 19.0	0.8		
DL2	81.5	317	−iP	05 20 26.0	1.2		
WHN	82.0	307	P	05 20 28.0	0.6		
SNY	82.0	321	−iP	05 20 27.3	−0.3		
CN2	82.1	323	−iP	05 20 27.7	−0.6		
TIA	82.9	313	+P	05 20 32.4	0.3		
BJI	85.6	316	−P	05 20 45.0	−0.1		
GYA	86.0	300	−P	05 20 48.0	0.5		
TIY	86.9	312	iP	05 20 52.0	0.5		
XAN	87.7	308	−iP	05 20 55.6	0.6		
KMI	88.7	297	−P	05 21 01.5	1.5		
BTO	89.9	314	−iP	05 21 06.0	0.4		
CD2	90.2	303	P	05 21 07.8	0.9		
LZH	92.3	308	−P	05 21 17.0	0.5		
			pP	05 23 31.5	−1.2		
GTA	96.6	310	−iP	05 21 35.8	0.1		

1985 3 10
O = 06 03 53.4 ± 0.09s
LAT = 30.65 N ± 0.94km
LONG = 137.62 E ± 1.44km
DEPTH = 496 km ± 0.33km
STATIONS USED = 58, STAND DEV = 0.95s
m_B = 4.6 / 2

MDJ	15.3	338	cP	06 07 05.5	−1.9		
DL2	15.5	306	cP	06 07 08.6	−0.6		
			S	06 09 48.0	1.0		
SNY	15.9	318	cP	06 07 13.6	0.6		
			iS	06 09 57.0	2.5		
			SME			14.0	1.40
NJ2	16.1	280	+P	06 07 15.0	−0.2		
CN2	16.3	327	−P	06 07 17.2	0.0		
			cS	06 10 00.0	−2.1		
			SME	m_B = 4.6		7.0	1.10
TIA	18.0	293	+P	06 07 36.8	3.0		
BJI	19.8	304	cP	06 07 52.0	0.7		
WHN	20.0	276	P	06 07 55.0	1.6		
TIY	22.0	295	P	06 08 12.0	0.5		
XAN	24.4	286	cP	06 08 33.0	−1.0		
BTO	24.4	302	cP	06 08 34.7	0.7		
GYA	27.5	269	P	06 09 00.6	−0.2		
LZH	28.6	290	cP	06 09 10.5	−0.6		
			PMZ			1.5	0.070
CD2	29.0	279	P	06 09 14.0	−0.4		
			PMZ			1.0	0.10
KMI	31.2	269	−P	06 09 33.0	−0.5		
GTA	32.0	296	P	06 09 39.7	−0.1		
			S	06 14 14.6	−1.3		
WMQ	41.3	303	P	06 10 56.5	0.1		
			pP	06 12 28.2	0.9		
			S	06 16 34.0	−0.5		
			SMN			2.0	0.34

1985 3 10
O = 08 53 42.6 ± 0.06s
LAT = 32.60 S ± 1.10km
LONG = 71.66 W ± 0.26km
DEPTH = 37 km ± 0.64km
STATIONS USED = 23, STAND DEV = 1.01s

GTA	170.3	43	PKP	09 13 48.4	1.0
TIA	171.9	299	PKP	09 13 48.8	0.5
CD2	175.7	112	cPKP	09 13 50.8	1.1
XAN	178.5	341	cPKP	09 13 50.2	0.1

1985 3 10
O = 09 53 23.9 ± 0.18s
LAT = 15.61 S ± 2.08km
LONG = 178.69 W ± 1.87km
DEPTH = 22 km ± 0.78km
STATIONS USED = 20, STAND DEV = 2.18s

CN2	78.0	322	cP	10 05 22.6	−0.8
BJI	82.0	315	P	10 05 45.0	0.6
BTO	86.4	314	cP	10 06 08.0	0.9
CD2	87.6	303	cP	10 06 14.0	1.4

1985 3 10
O = 13 30 28.5 ± 0.07s
LAT = 66.21 N ± 1.20km
LONG = 150.16 W ± 0.92km
DEPTH = 12 km ± 0.32km
STATIONS USED = 67, STAND DEV = 1.51s
Ms = 5.8 / 13,

MDJ	46.5	284	cP	13 38 55.0	−2.7		
CN2	48.8	287	cP	13 39 15.0	−0.8		
			sP	13 39 22.0	−2.4		
			cS	13 46 13.0	−4.8		
			SS	13 49 37.0	−5.4		
			LN	Ms = 5.8		15.0	2.80
			LE			15.0	3.40
SNY	51.2	287	cP	13 39 34.2	0.1		

			S	13 46 45.0	−5.0		
			SS	13 50 15.0	−8.1		
			LN	Ms=5.7		17.0	3.52
BJI	55.5	292	eP	13 40 07.5	0.9		
			eS	13 47 51.0	0.5		
			LN	Ms=5.9		16.0	2.96
			LE			16.0	3.46
BTO	57.3	297	eP	13 40 20.0	0.5		
TIA	58.5	289	eP	13 40 27.5	−0.3		
			eS	13 48 31.0	1.0		
			LN	Ms=5.8		16.5	2.12
			LE			16.5	3.08
TIY	59.0	293	eP	13 40 33.0	1.9		
NJ2	61.5	285	eP	13 40 49.0	0.7		
			LE	Ms=5.7		11.5	2.10
WMQ	61.7	316	P	13 40 50.0	0.5		
			PMZ			2.0	0.090
			eS	13 49 13.7	3.0		
			ScS	13 50 43.5	7.2		
			LN	Ms=5.6		12.0	1.72
GTA	61.9	304	eP	13 40 51.7	0.3		
			LE	Ms=5.9		15.5	3.79
XAN	63.5	294	eP	13 41 01.6	−0.3		
LZH	63.5	300	eP	13 41 02.5	0.5		
WHN	64.6	288	eP	13 41 09.0	0.2		
			LE	Ms=5.8		16.0	3.20
CD2	68.2	297	eP	13 41 31.7	−0.3		
GYA	71.2	293	P	13 41 50.4	0.2		
			S	13 51 06.0	1.2		
LSA	73.7	307	P	13 42 07.0	1.8		
KMI	73.9	296	+P	13 42 06.0	−0.1		
			eS	13 51 40.0	3.0		
			LZ	Ms=5.8		16.0	2.50

1985 3 10
O=13 42 33.9 ± 0.07s
LAT= 2.13 N ± 1.04km
LONG=129.04 E ± 1.41km
DEPTH= 32 km ± 0.35km
STATIONS USED = 19, STAND DEV= 1.11s
Ms=6.1/ 3,

XAN	36.9	332	+P	13 49 41.3	−0.7		
			LN	Ms=6.1		15.0	4.07
			LE			16.0	14.5
CD2	37.3	323	P	13 49 45.3	−0.1		
TIY	38.6	339	eP	13 49 55.8	−0.2		
			LN	Ms=6.1		16.0	10.5
			LE			16.0	10.0
BJI	39.5	344	eP	13 50 03.0	−0.7		
LZH	41.1	328	eP	13 50 17.0	0.2		
			LN	Ms=5.3		13.0	1.61
GTA	45.7	328	P	13 50 54.0	−0.1		
WMQ	55.4	324	−P	13 52 06.5	−1.3		

1985 3 10
O=15 27 44.1 ± 0.06s
LAT=43.69 N ± 2.06km
LONG=145.79 E ± 1.10km
DEPTH=101 km ± 0.58km
STATIONS USED = 90, STAND DEV= 1.28s
m_B=5.4/ 4

MDJ	11.7	280	eP	15 30 28.7	−0.1		
CN2	14.7	277	+P	15 31 07.4	−0.9		
			PMZ	m_B=5.7		4.0	0.50
			sP	15 31 35.0	−2.1		
			eS	15 33 45.0	−4.2		
SNY	16.4	271	eP	15 31 27.3	−2.5		
			S	15 34 26.0	−1.7		
			sS	15 34 46.0	−3.3		
DL2	18.7	264	+iP	15 31 58.0	0.2		
BJI	22.3	271	eP	15 32 34.0	−0.2		
			eS	15 36 32.0	3.9		
			LN			6.0	0.71
			LE			7.0	0.34
TIA	23.1	261	eP	15 32 38.4	−3.9		
SSE	23.1	245	P	15 32 44.5	2.1		
NJ2	24.1	250	+P	15 32 53.4	1.6		
			pP	15 33 16.0	2.6		
HHC	25.4	275	eP	15 33 06.2	2.2		
TIY	25.9	268	eP	15 33 09.9	1.4		
			S	15 37 35.5	7.5		
			SME	m_B=5.4		7.0	0.89
BTO	26.6	276	eP	15 33 15.0	0.0		
			S	15 37 39.0	−0.6		
WHN	28.1	253	P	15 33 29.5	0.6		
XAN	30.1	264	+P	15 33 45.8	−0.6		
LZH	32.8	271	+P	15 34 10.5	0.2		
			PMZ			1.5	0.12
GTA	34.3	279	eP	15 34 22.9	−0.6		
			pP	15 34 47.6	1.5		
			PcP	15 36 58.5	1.6		
CD2	35.4	263	eP	15 34 32.8	0.1		
GYA	36.0	254	P	15 34 37.0	−0.3		
			S	15 40 06.6	−0.2		
KMI	39.5	256	+P	15 35 07.5	0.2		
			pP	15 35 30.5	0.3		
WMQ	41.2	291	+iP	15 35 21.8	1.0		
			S	15 41 29.5	3.7		
			ScS	15 45 14.7	3.1		
LSA	45.2	271	−P	15 35 55.1	1.4		

KSH	51.0	291	+iP	15 36 39.0	0.7	

1985 3 10
O=19 33 12.6 ± 0.13s
LAT=13.55 N ± 1.63km
LONG= 88.99 W ± 1.57km
DEPTH= 71 km ± 1.23km
STATIONS USED = 58, STAND DEV= 1.23s
Ms=5.8/ 2,

CN2	114.8	333	ePKP	19 51 44.0	−2.3		
			ePP	19 52 50.0	0.6		
BJI	121.8	337	ePKP	19 51 59.0	−0.7		
HHC	122.6	342	ePKP	19 52 02.5	1.0		
			sPKP	19 52 36.0			
WMQ	122.8	3	PKP	19 52 02.0	0.1		
BTO	123.3	343	ePKP	19 52 04.2	1.4		
TIA	124.7	334	ePKP	19 52 06.1	0.7		
TIY	125.2	339	ePKP	19 52 06.7	0.3		
GTA	126.7	352	PKP	19 52 09.4	0.1		
			sPKP	19 52 46.9			
NJ2	127.4	330	ePKP	19 52 11.0	0.4		
			LZ	Ms=5.6		24.0	1.00
LZH	129.2	347	ePKP	19 52 15.0	0.8		
XAN	129.7	341	ePKP	19 52 15.8	0.7		
			sPKP	19 52 52.2			
WHN	130.7	333	ePKP	19 52 14.5	−2.5		
			sPKP	19 52 55.0			
CD2	134.1	345	ePKP	19 52 24.8	1.3		
			PKS	19 55 50.0			
			LZ	Ms=6.0		34.0	3.00
LSA	137.0	360	PKP	19 52 30.1	0.9		
GYA	137.4	339	PKP	19 52 31.2	1.6		
			sPKP	19 53 05.0			
KMI	139.9	343	PKP	19 52 35.5	1.2		
			sPKP	19 53 06.5			

1985 3 11
O=01 49 58.1 ± 0.18s
LAT=29.85 N ± 1.80km
LONG= 95.13 E ± 1.56km
DEPTH= 10 km ± 0.08km
STATIONS USED = 17, STAND DEV= 2.95s
M_L=3.7/ 5,

LSA	3.5	268	Pn	01 50 53.5	0.5		
			Pg	01 50 58.8	−0.5		
			Sg	01 51 41.8	−4.9		
			SMN	M_L=3.6		0.8	0.19
CD2	7.5	80	ePn	01 51 52.6	4.2		
			Sn	01 53 23.5	7.4		
GYA	10.7	106	P	01 52 34.4	−0.8		
XAN	12.4	67	eP	01 52 54.8	−3.5		
BTO	16.2	45	eP	01 53 48.0	0.3		

1985 3 11
O=03 01 19.8 ± 0.08s
LAT=36.36 N ± 1.26km
LONG=141.02 E ± 1.28km
DEPTH= 55 km ± 1.17km
STATIONS USED = 88, STAND DEV= 1.61s
Ms=4.7/17, m_B=5.6/ 2

MDJ	12.0	317	eP	03 04 11.4	1.0		
			sP	03 04 28.0	1.2		
			eS	03 06 17.0	−5.4		
			LZ	Ms=4.5		20.0	3.13
CN2	14.0	307	eP	03 04 35.0	−2.6		
			PMZ	m_B=5.9		4.0	0.80
			pP	03 04 45.0	−2.0		
			eS	03 07 07.0	−4.7		
			sS	03 07 22.0	−5.2		
			ScS	03 16 58.0	−0.2		
			LN	Ms=4.6		14.0	1.20
			LE			14.0	2.00
SNY	14.6	297	−P	03 04 45.8	0.9		
			PP	03 04 56.2	−0.6		
			S	03 07 31.0	6.6		
			LN	Ms=4.6		15.5	2.11
DL2	15.6	285	eP	03 04 59.0	1.5		
			PMZ	m_B=5.2		5.0	0.57
			sP	03 05 17.5	3.3		
			eS	03 07 52.0	4.3		
			LN	Ms=4.3		13.0	0.77
SSE	17.3	258	eP	03 05 20.8	1.5		
			eS	03 08 28.0	0.4		
			LN	Ms=4.7		20.0	3.12
NJ2	18.8	263	eP	03 05 36.6	−1.2		
			LZ	Ms=4.5		20.0	1.60
TIA	19.3	277	−P	03 05 40.8	−2.0		
			sP	03 06 00.0	−0.2		
			eS	03 09 09.0	−2.4		
			LN	Ms=4.9		16.0	3.19
			LZ	Ms=5.7		20.0	22.9
BJI	19.8	288	eP	03 05 46.5	−2.7		
TIY	22.8	282	eP	03 06 18.2	−1.2		
			S	03 10 19.5	0.3		
			LN	Ms=4.8		13.0	1.32
WHN	23.0	263	eP	03 06 21.0	0.4		
			LN	Ms=4.8		10.0	0.98
HHC	23.4	290	eP	03 06 22.0	−2.9		
BTO	24.6	289	eP	03 06 35.0	−1.3		
			eS	03 10 48.0	−2.4		

			LN	Ms=4.7		12.0	0.50
			LE			12.0	0.70
XAN	26.3	274	eP	03 06 51.0	−1.3		
GZH	27.3	249	eP	03 07 03.0	1.1		
GYA	30.8	261	P	03 07 32.0	−1.1		
			PcP	03 10 28.0	−0.4		
			S	03 12 29.0	−1.0		
CD2	31.4	271	P	03 07 38.1	0.1		
			PMZ			0.8	0.10
			S	03 12 40.0	1.2		
KMI	34.5	262	−P	03 08 06.0	0.2		
			pP	03 08 21.0	2.2		
			eS	03 13 30.0	0.2		
LSA	42.0	276	eP	03 09 10.0	2.1		
			pP	03 09 24.0	3.2		
			eS	03 15 20.0	−2.4		
KSH	50.4	294	eP	03 10 16.0	1.6		

1985 3 11
O=03 06 25.8 ± 0.09s
LAT= 2.19 N ± 1.69km
LONG=128.94 E ± 2.85km
DEPTH= 36 km ± 0.51km
STATIONS USED = 34, STAND DEV= 1.77s
Ms=5.1/ 7,

QZH	24.7	337	eP	03 11 45.5	0.1		
			eS	03 16 06.0	3.5		
			LN	Ms=5.1		11.0	1.41
			LE			12.0	1.66
QZN	25.1	313	eP	03 11 50.2	1.2		
			eS	03 16 12.0	3.3		
			SS	03 17 13.0	4.4		
			LN	Ms=5.2		12.0	2.70
GZH	25.7	325	eP	03 11 52.0	−2.6		
			S	03 16 26.0	8.2		
			SMN			14.0	2.04
			LN	Ms=5.2		20.0	2.87
			LE			20.0	3.95
GYA	32.2	320	P	03 12 54.2	0.5		
			LE	Ms=5.2		15.0	2.50
KMI	34.0	314	eP	03 13 09.5	0.4		
			LN	Ms=5.1		16.0	1.83
XAN	36.8	332	eP	03 13 31.5	−1.0		
TIY	38.5	339	eP	03 13 46.3	−0.3		
BJI	39.4	345	eP	03 13 52.0	−2.4		
LZH	40.9	328	eP	03 14 07.5	0.2		
			PMZ			2.0	0.11
CN2	41.5	356	eP	03 14 10.5	−1.5		
BTO	41.9	338	eP	03 14 14.9	−0.1		
GTA	45.6	328	P	03 14 44.4	−0.2		
			S	03 21 23.0	0.4		
			LE	Ms=5.0		11.5	0.67

1985 3 11
O=03 10 39.1 ± 0.07s
LAT= 2.10 N ± 1.21km
LONG=128.97 E ± 2.11km
DEPTH= 35 km ± 0.33km
STATIONS USED = 62, STAND DEV= 1.23s
Ms=5.1/ 10,

QZH	24.8	337	eP	03 16 00.0	0.2		
			eS	03 20 14.5	−3.2		
			LN	Ms=4.9		12.0	0.94
			LE			12.0	1.23
QZN	25.2	313	eP	03 16 04.0	0.8		
			eS	03 20 22.0	−1.7		
			LN	Ms=5.2		13.0	1.80
			LE			14.0	2.70
GZH	25.8	325	+P	03 16 10.7	1.8		
SSE	29.8	346	+P	03 16 45.0	0.0		
			eS	03 21 38.0	0.1		
			LN	Ms=5.1		16.0	2.33
WHN	31.5	335	eP	03 17 00.5	0.1		
GYA	32.3	320	P	03 17 08.6	0.8		
KMI	34.1	314	+P	03 17 21.5	−1.8		
TIA	35.7	343	eP	03 17 35.3	−1.1		
XAN	36.9	332	eP	03 17 44.0	−2.7		
			S	03 23 30.0	2.1		
			LN	Ms=5.1		13.0	1.18
DL2	37.2	351	eP	03 17 52.8	3.2		
TIY	38.6	339	eP	03 18 01.0	0.2		
			S	03 23 46.5	−6.9		
			LN	Ms=4.8		13.0	0.66
BJI	39.5	344	eP	03 18 07.5	−1.1		
SNY	39.8	354	eP	03 18 10.9	−0.4		
			S	03 24 11.0	−1.7		
			LN	Ms=5.1		17.0	1.59
LZH	41.0	328	eP	03 18 22.0	0.5		
			PMZ			1.5	0.14
CN2	41.6	356	eP	03 18 25.0	−1.2		
HHC	41.7	340	eP	03 18 27.0	0.5		
BTO	42.0	338	eP	03 18 28.6	−0.6		
			LN	Ms=5.2		12.0	0.90
			LE			12.0	1.00
MDJ	42.3	1	eP	03 18 35.0	3.1		
LSA	45.2	311	eP	03 18 56.8	1.3		
KSH	60.7	315	eP	03 20 52.0	1.5		
			S	03 29 10.0	7.7		

1985 3 11

O=05 11 06.6 ± 0.11s
LAT= 2.06 N ± 1.41km
LONG=129.00 E ± 2.42km
DEPTH= 57 km ± 0.52km
STATIONS USED = 79, STAND DEV= 1.42s
Ms=5.3/35, m_B=5.6/14

QZH	24.9	337	cP	05 16 25.5	−0.1		
			PP	05 17 06.0	2.9		
			S	05 20 41.0	0.2		
			LN	Ms=5.1		11.0	1.69
			LE			10.0	1.45
QZN	25.2	313	+iP	05 16 29.5	0.5		
			pP	05 16 43.0	0.9		
			S	05 20 46.0	−0.7		
			LN	Ms=5.4		14.0	3.50
			LE			15.0	4.40
GZH	25.8	325	+P	05 16 34.0	−0.7		
			S	05 21 00.0	3.2		
			SMN	m_B=6.2		12.0	7.93
			SME			12.0	3.27
SSE	29.8	346	cP	05 17 10.0	−0.7		
			cS	05 22 03.0	1.5		
			LN	Ms=5.3		18.0	4.23
			LZ	Ms=5.1		18.0	2.83
NJ2	31.3	343	eP	05 17 26.4	2.3		
			PcP	05 20 20.0	3.8		
			S	05 22 30.0	5.4		
			LN	Ms=5.2		14.0	2.10
WHN	31.5	335	cP	05 17 26.5	0.4		
			pP	05 17 40.0	0.5		
			S	05 22 36.0	7.9		
			SME	m_B=5.4		10.0	0.98
			LE	Ms=5.3		12.0	2.54
GYA	32.4	320	P	05 17 35.6	2.1		
			sP	05 17 57.0	3.9		
			S	05 22 50.0	8.8		
			LE	Ms=5.2		12.0	1.90
KMI	34.2	314	+P	05 17 48.5	−0.5		
			PMZ	m_B=5.9		6.0	1.12
			pP	05 18 03.0	0.6		
			sP	05 18 09.0	0.5		
			S	05 23 11.0	2.3		
			LN	Ms=5.0		12.0	1.19
TIA	35.7	343	cP	05 18 01.0	−1.0		
			pP	05 18 15.0	−0.7		
			S	05 23 35.0	2.3		
			SMN	m_B=5.2		6.0	0.31
			LN	Ms=5.4		11.0	2.11
			LZ	Ms=5.4		10.0	2.01
XAN	36.9	332	+iP	05 18 11.3	−1.0		
			pP	05 18 25.0	−1.0		
			S	05 23 50.0	−1.5		
			SMN	m_B=5.6		12.0	1.03
			SME			11.0	1.16
			LN	Ms=5.3		10.0	1.30
			LE			10.0	0.65
DL2	37.3	350	eP	05 18 15.0	−0.2		
			sP	05 18 33.0	−2.2		
			S	05 23 56.0	−0.8		
			SMN	m_B=5.1		8.0	0.32
			LN	Ms=5.3		12.0	2.00
CD2	37.3	323	−iP	05 18 15.4	−0.2		
			eS	05 24 01.0	2.5		
			LE	Ms=5.4		12.0	2.40
TIY	38.6	339	eP	05 18 26.0	−0.4		
			S	05 24 19.5	2.6		
			SME	m_B=5.7		7.0	1.00
			LN	Ms=5.3		12.0	1.16
			LE			12.0	1.52
BJI	39.6	344	eP	05 18 33.5	−0.6		
			eS	05 24 34.0	1.9		
			SMN	m_B=5.5		11.0	0.93
			LN	Ms=5.2		13.0	1.57
SNY	39.9	354	+iP	05 18 36.5	−0.4		
			pP	05 18 51.5	0.8		
			iS	05 24 41.0	3.9		
			SME			13.0	2.25
			SS	05 27 32.0	3.6		
			LN	Ms=5.5		17.0	2.35
			LE			17.0	2.80
LZH	41.1	328	eP	05 18 47.5	0.5		
			PMZ			2.0	0.31
			pP	05 19 04.0	3.3		
			eS	05 24 57.5	2.1		
			SME	m_B=5.7		10.5	1.32
			LE	Ms=5.4		11.0	1.71
CN2	41.7	356	eP	05 18 50.0	−1.7		
			PMZ	m_B=5.8		6.0	0.80
			pP	05 19 02.0	−3.5		
			sP	05 19 10.0	−1.7		
			eS	05 25 01.0	−2.8		
			LE	Ms=5.4		12.0	2.00
HHC	41.7	340	−P	05 18 52.3	0.3		
			S	05 25 04.0	0.8		
			SME	m_B=5.3		7.0	0.34
			LE	Ms=5.0		12.0	0.82
BTO	42.0	338	eP	05 18 54.0	−0.7		
			S	05 25 14.0	6.0		
MDJ	42.4	1	eP	05 19 01.1	3.7		
			S	05 25 18.0	4.9		

			LE		Ms=5.3	12.0	1.68
LSA	45.2	311	eP	05 19 21.8	0.8		
			pP	05 19 32.0	−2.5		
			sP	05 19 38.0	−2.5		
			S	05 26 01.5	7.1		
GTA	45.7	328	P	05 19 24.2	−0.1		
			S	05 26 05.5	4.5		
KSH	60.8	315	eP	05 21 15.0	−0.8		
			pP	05 21 31.0	1.0		
			eS	05 29 30.0	3.0		
			LN		Ms=5.4	12.0	1.10

1985 3 11
O=12 21 00.6 ± 0.05s
LAT=13.67 N ± 1.11km
LONG=145.13 E ± 1.13km
DEPTH=120 km ± 0.16km
STATIONS USED = 40, STAND DEV= 0.84s

WHN	32.9	306	eP	12 27 26.5	0.4		
CN2	34.4	334	eP	12 27 39.0	0.0		
BJI	36.5	321	eP	12 27 55.0	−1.7		
TIY	37.6	315	eP	12 28 07.0	0.9		
GYA	38.2	295	eP	12 28 11.4	1.1		
			PcP	12 30 24.0	1.4		
XAN	38.5	308	+iP	12 28 13.4	−0.1		
BTO	40.7	318	eP	12 28 32.0	0.3		
CD2	41.7	301	P	12 28 39.2	−0.1		
GTA	47.3	311	+iP	12 29 24.9	0.4		
			PcP	12 30 54.4	1.2		
LSA	52.2	297	−P	12 30 02.4	0.3		
WMQ	57.3	314	+iP	12 30 38.4	−0.1		

1985 3 11
O=12 26 10.1 ± 0.06s
LAT=10.39 N ± 0.82km
LONG=125.63 E ± 1.04km
DEPTH=104 km ± 0.52km
STATIONS USED = 93, STAND DEV= 0.96s
m_B=5.5/16

QZH	15.9	336	eP	12 29 48.0	−1.7		
			S	12 32 46.0	3.4		
			sS	12 33 09.0	5.7		
			LN			14.0	0.83
GZH	17.2	319	−P	12 30 07.8	2.0		
			SMN	m_B=6.1		10.0	4.04
			SME			10.0	5.05
QZN	17.5	301	iP	12 30 10.0	0.9		
			PMZ	m_B=5.8		4.0	1.70
			PP	12 30 30.0	3.1		
			S	12 33 25.0	7.2		
			SMN	m_B=5.6		12.0	2.10
SSE	21.0	349	eP	12 30 48.0	0.8		
			PMZ			1.8	0.36
			pP	12 31 07.0	−1.1		
			PP	12 31 15.0	0.2		
			sP	12 31 21.0	−0.2		
			S	12 34 33.0	3.4		
			SME			20.0	4.04
NJ2	22.4	345	P	12 31 02.0	0.7		
			iS	12 35 00.0	3.8		
			SME	m_B=5.9		7.5	2.20
WHN	22.6	334	eP	12 31 03.5	0.4		
			pP	12 31 24.0	−0.8		
			S	12 35 04.0	5.3		
			SME	m_B=5.7		10.0	1.81
			sS	12 35 42.0	5.8		
GYA	24.0	314	−P	12 31 17.0	0.5		
			pP	12 31 37.0	−1.4		
			sP	12 31 48.0	−3.2		
KMI	26.2	307	−P	12 31 37.0	−0.4		
			pP	12 31 58.5	−0.9		
			S	12 36 04.0	5.0		
			LN			10.0	1.49
TIA	26.8	345	eP	12 31 42.8	−0.2		
			pP	12 32 02.2	−3.2		
			S	12 36 10.0	0.7		
			SMN	m_B=5.0		6.0	0.31
			ScP	12 38 31.2	−0.9		
			ScS	12 42 23.1	1.5		
			sS	12 36 47.0	−2.3		
XAN	28.1	330	−iP	12 31 53.0	−1.3		
			S	12 36 27.0	−2.4		
DL2	28.6	353	eP	12 31 58.8	−0.3		
			eS	12 36 37.0	−1.8		
			SME	m_B=5.2		8.0	0.60
			ScS	12 42 32.0	2.4		
CD2	28.8	318	P	12 31 59.5	−1.3		
TIY	29.7	339	eP	12 32 08.0	−0.7		
			pP	12 32 27.5	−3.7		
			PP	12 33 09.0	0.4		
			S	12 36 56.0	1.2		
			SMN	m_B=5.4		5.0	0.60
			LN			11.0	0.52
			LE			11.0	0.50
BJI	30.7	346	eP	12 32 17.0	−0.5		
			esP	12 32 50.0	−3.0		
			eS	12 37 11.0	−0.6		
			SME	m_B=5.4		7.0	0.80
			ScS	12 42 42.0	2.6		
SNY	31.4	357	+P	12 32 23.6	0.2		

		SMN	$m_B = 5.5$	6.0	0.93	
LZH	32.3	326	−P	12 32 32.0	0.1	
			eS	12 37 38.0	0.6	
			ScS	12 42 50.0	2.4	
HHC	32.8	340	eP	12 32 37.0	1.1	
			pP	12 32 57.5	−1.2	
			S	12 37 47.0	3.6	
			SME	$m_B = 5.3$	7.0	0.68
BTO	33.1	338	eP	12 32 38.1	−0.6	
			S	12 37 50.0	1.6	
CN2	33.3	360	−P	12 32 39.0	−1.1	
			PMZ		3.0	0.50
			pP	12 33 01.0	−2.1	
			sP	12 33 12.0	−3.7	
			PcP	12 35 19.0	−0.6	
			iS	12 37 52.0	0.0	
			SME	$m_B = 5.3$	5.0	0.50
			sS	12 38 32.0	−0.3	
			ScP	12 38 54.0	0.9	
			SS	12 40 00.0	0.0	
			ScS	12 42 52.0	−0.5	
MDJ	34.3	5	eP	12 32 49.5	1.0	
			pP	12 33 09.0	−2.7	
			PP	12 34 09.0	3.2	
GTA	36.9	326	−iP	12 33 11.4	0.2	
			pP	12 33 35.5	1.1	
			PcP	12 35 31.2	1.0	
			S	12 38 47.1	0.0	
			SME	$m_B = 5.2$	7.0	0.35
			sS	12 39 26.0	−2.8	
			ScS	12 43 13.0	0.8	
LSA	37.4	306	eP	12 33 15.3	−0.5	
			pP	12 33 38.5	−0.3	
			sS	12 39 32.5	−4.2	
			ScS	12 43 16.5	1.3	
WMQ	46.7	322	−iP	12 34 31.2	0.1	
			sP	12 35 04.5	−2.7	
			S	12 41 13.0	1.6	
			ScS	12 44 11.5	−0.2	
KSH	52.7	312	eP	12 35 16.0	−0.5	
			pP	12 35 37.0	−3.7	

1985 3 11

O = 14 36 07.7 ± 0.10s
LAT = 31.40 N ± 1.35km
LONG = 77.10 E ± 1.48km
DEPTH = 32 km ± 0.17km
STATIONS USED = 31, STAND DEV = 1.85s
Ms = 4.9 / 1,

KSH	8.1	354	eP	14 38 08.0	2.1	
			eS	14 39 37.0	−0.3	
			LN	Ms = 4.9	4.0	3.00
LSA	12.2	94	eP	14 39 02.0	−1.2	
WMQ	15.0	31	P	14 39 36.0	−2.8	
GTA	20.1	60	P	14 40 41.8	−0.4	
GYA	26.3	93	P	14 41 45.0	2.3	
XAN	26.8	76	eP	14 41 46.8	−0.9	
BTO	28.0	62	eP	14 41 58.7	0.1	
CN2	39.7	58	eP	14 43 38.8	−0.5	

1985 3 12

O = 06 12 31.0 ± 0.09s
LAT = 2.16 S ± 1.52km
LONG = 119.77 E ± 1.55km
DEPTH = 48 km ± 0.19km
STATIONS USED = 70, STAND DEV = 1.08s
Ms = 4.7 / 5, $m_B = 5.3$ / 4

QZN	23.2	336	eP	06 17 33.0	−1.8	
			S	06 21 46.0	7.6	
			SME	$m_B = 5.4$	12.0	1.20
GZH	25.9	346	+P	06 18 01.3	1.0	
			eS	06 22 33.0	8.9	
GYA	31.1	337	P	06 18 48.0	0.0	
KMI	31.7	330	+P	06 18 54.5	1.1	
			S	06 24 06.0	8.5	
			SMN	$m_B = 5.4$	8.0	0.64
WHN	32.9	351	eP	06 19 05.1	1.7	
SSE	33.1	2	eP	06 19 05.0	0.1	
NJ2	34.0	359	−P	06 19 13.5	0.5	
			LZ	Ms = 4.3	20.0	0.40
CD2	36.2	336	+iP	06 19 31.9	0.0	
			PMZ		1.0	0.20
XAN	37.4	345	eP	06 19 40.5	−1.3	
TIA	38.2	357	eP	06 19 48.8	0.1	
			eS	06 25 36.0	−2.7	
			SMN	$m_B = 4.9$	10.0	0.21
TIY	40.2	351	eP	06 20 05.4	0.1	
			S	06 26 12.5	4.7	
			LN	Ms = 4.7	10.0	0.37
LZH	40.8	340	eP	06 20 10.5	0.1	
			PMZ		2.0	0.060
DL2	40.9	2	eP	06 20 08.0	−2.6	
LSA	41.9	321	−P	06 20 20.6	1.6	
			pP	06 20 29.0	−1.5	
			eS	06 26 38.0	4.4	
BJI	42.1	356	eP	06 20 21.0	0.3	
BTO	43.5	349	eP	06 20 31.6	−0.3	
SNY	43.9	4	eP	06 20 33.8	−1.5	
			S	06 27 00.0	−1.8	
			LN	Ms = 5.0	18.0	1.11

GTA	45.2	338	+iP	06 20 47.0	0.8		
			LE	Ms=4.7	10.0	0.28	
CN2	46.0	6	eP	06 20 53.0	0.7		
WMQ	54.0	332	P	06 21 53.5	−0.1		
			sP	06 22 07.5	−3.4		
KSH	57.7	321	eP	06 22 20.0	0.4		

1985 3 12
O=06 50 11.3 ± 0.20s
LAT= 2.19 N ± 1.97km
LONG=126.84 E ± 3.68km
DEPTH= 81 km ± 1.82km
STATIONS USED = 19, STAND DEV= 2.41s

TIA	35.0	346	eP	06 56 58.5	0.1		
XAN	35.8	334	eP	06 57 05.0	−0.3		
CD2	36.0	325	eP	06 57 02.6	−3.7		
BJI	38.9	347	eP	06 57 31.5	0.6		
GTA	44.5	330	eP	06 58 15.2	−1.5		

1985 3 12
O=08 23 17.0 ± 0.21s
LAT=33.07 S ± 2.42km
LONG= 72.16 W ± 1.56km
DEPTH= 43 km ± 1.82km
STATIONS USED = 37, STAND DEV= 2.06s
Ms=5.9/ 7,

KSH	153.6	67	cPKP	08 43 07.0	2.9		
			PP	08 47 02.0	0.7		
			LZ	Ms=6.2	20.0	2.79	
WMQ	161.0	50	PKP	08 43 14.2	1.0		
			PKP_2	08 43 56.3			
			PP	08 47 40.7	−0.6		
			LZ	Ms=6.0	20.0	1.85	
CN2	162.6	313	cPKP	08 43 13.0	−1.7		
GTA	170.9	43	cPKP	08 43 22.3	1.0		
			PKP_2	08 44 43.9			
			PP	08 48 28.0	−4.2		
			LE	Ms=5.6	17.0	0.82	
TIA	171.7	295	cPKP	08 43 21.8	0.2		
			PKP_2	08 44 44.0			
			LN	Ms=5.7	20.0	1.35	
GYA	173.3	171	PKP	08 43 22.0	−0.6		
			PKP_2	08 44 53.2			
LZH	175.5	46	cPKP	08 43 27.0	3.8		
CD2	175.9	121	cPKP	08 43 21.7	−1.5		
XAN	178.7	317	cPKP	08 43 25.2	1.6		
			PKP_2	08 45 16.5			
			LN	Ms=5.9	8.0	1.61	

1985 3 12

O=16 46 30.6 ± 0.07s
LAT=37.21 N ± 1.31km
LONG=141.50 E ± 1.11km
DEPTH= 59 km ± 0.69km
STATIONS USED = 16, STAND DEV= 1.27s

TIA	19.6	274	eP	16 50 54.8	−1.7
XAN	26.6	273	eP	16 52 05.4	−0.3
GYA	31.3	260	eP	16 52 48.0	0.0
CD2	31.7	270	P	16 52 51.6	−0.1
KMI	35.1	261	+P	16 53 20.5	0.0
WMQ	40.8	297	P	16 54 11.8	3.3

1985 3 12
O=18 02 08.4 ± 0.11s
LAT= 7.66 S ± 1.14km
LONG=123.67 E ± 1.34km
DEPTH=277 km ± 0.97km
STATIONS USED = 44, STAND DEV= 1.18s

GYA	37.7	335	+P	18 09 00.6	0.8		
KMI	38.4	329	+P	18 09 07.5	1.7		
SSE	38.6	357	eP	18 09 06.8	−0.2		
WHN	39.0	347	eP	18 09 12.0	1.6		
NJ2	39.7	354	eP	18 09 17.2	0.8		
CD2	42.8	334	+iP	18 09 41.7	0.2		
			PMZ			0.9	0.10
XAN	43.8	342	+iP	18 09 48.2	−0.8		
TIY	46.3	348	P	18 10 08.5	−0.8		
LZH	47.3	338	eP	18 10 17.5	0.4		
			PMZ			2.0	0.090
LSA	48.5	321	−P	18 10 27.6	0.9		
CN2	51.2	2	eP	18 10 44.8	−1.6		
GTA	51.8	336	+iP	18 10 51.2	0.6		
MDJ	52.3	5	+P	18 10 53.6	−0.6		
WMQ	60.7	331	P	18 11 53.0	−0.5		

1985 3 12
O=20 37 48.6 ± 0.06s
LAT=48.17 N ± 2.69km
LONG=154.93 E ± 1.85km
DEPTH= 32 km ± 1.47km
STATIONS USED = 44, STAND DEV= 1.06s
Ms=4.4/ 3,

MDJ	17.8	268	eP	20 41 52.7	−3.2		
CN2	20.9	269	−P	20 42 28.0	−2.8		
			LE	Ms=4.4		14.0	0.80
SNY	23.0	266	eP	20 42 51.6	0.1		
			LN	Ms=4.5		18.0	1.11
TIA	30.2	261	eP	20 43 57.8	−0.5		
TIY	32.4	267	eP	20 44 18.8	0.2		
BTO	32.6	274	eP	20 44 19.4	−0.5		

1985 3 12

WHN	35.5	255	eP	20 44 44.5	−0.2		
XAN	36.9	265	eP	20 44 55.8	−0.7		
LZH	39.1	271	eP	20 45 15.5	0.4		
			PMZ			1.5	0.050
CD2	42.2	265	−iP	20 45 41.7	0.7		
			PMZ			1.0	0.050
GYA	43.2	258	P	20 45 49.6	0.4		
WMQ	45.6	291	P	20 46 08.0	0.0		
KMI	46.7	260	eP	20 46 17.0	−0.2		
LSA	51.4	273	eP	20 46 54.8	1.0		

1985 3 13

O=01 37 04.7 ± 0.10s
LAT= 2.20 N ± 1.74km
LONG=128.87 E ± 2.12km
DEPTH= 48 km ± 0.05km
STATIONS USED = 74, STAND DEV= 1.42s
Ms=5.0/26, m_B=5.6/ 2

QZH	24.7	337	eP	01 42 22.5	−0.3		
			pP	01 42 38.0	3.8		
			S	01 46 43.5	5.9		
			LE	Ms=4.5		12.0	0.61
QZN	25.0	313	eP	01 42 27.0	0.8		
			S	01 46 51.0	7.6		
			LN	Ms=5.0		13.0	1.40
			LE			13.0	1.10
GZH	25.6	325	+P	01 42 33.0	1.1		
			S	01 46 56.0	2.5		
			SMN			16.0	2.40
			SME			16.0	1.47
			LN	Ms=4.9		18.0	2.10
SSE	29.6	347	eP	01 43 06.0	−2.1		
			sP	01 43 23.0	−2.2		
			eS	01 48 01.0	2.2		
			LZ	Ms=5.0		20.0	2.45
NJ2	31.2	343	eP	01 43 20.0	−1.6		
			S	01 48 28.0	6.3		
			LZ	Ms=4.8		18.0	1.20
WHN	31.4	335	eP	01 43 24.6	1.2		
			eS	01 48 32.0	6.1		
			LN	Ms=5.0		18.0	1.67
GYA	32.2	321	P	01 43 31.6	0.7		
			pP	01 43 38.0	−4.4		
			S	01 48 46.0	7.9		
			LE	Ms=5.3		14.0	2.50
KMI	34.0	314	+P	01 43 47.0	0.7		
			S	01 49 13.0	7.4		
			LN	Ms=5.0		18.0	1.56
TIA	35.5	344	P	01 43 58.9	−0.7		
			eS	01 49 34.0	3.1		
			SME			13.0	0.35
			LN	Ms=4.9		15.0	1.08
XAN	36.7	332	+iP	01 44 09.5	−0.3		
			S	01 49 49.0	0.4		
			LN	Ms=4.9		12.0	0.74
DL2	37.1	351	eP	01 44 13.0	0.1		
			eS	01 49 59.0	3.8		
			LN	Ms=4.9		11.0	0.72
CD2	37.1	323	+iP	01 44 13.0	−0.1		
			PMZ			1.2	0.10
			eS	01 49 58.0	2.5		
			LE	Ms=5.2		10.0	1.20
TIY	38.4	339	eP	01 44 23.8	−0.1		
			S	01 50 15.5	1.4		
			LE	Ms=4.8		12.0	0.62
BJI	39.4	345	eP	01 44 31.0	−0.7		
			eS	01 50 30.0	0.5		
			SMN	m_B=5.3		7.0	0.28
			SME			7.0	0.31
			LN	Ms=4.8		13.0	0.55
SNY	39.7	354	eP	01 44 35.2	0.6		
			S	01 50 37.0	3.2		
			SME			13.0	0.95
			SS	01 53 30.0	5.5		
			LE	Ms=5.1		20.0	1.92
LZH	40.9	328	eP	01 44 45.0	0.5		
			PMZ			1.5	0.21
			eS	01 50 56.0	3.4		
			LZ	Ms=5.1		14.0	1.28
HHC	41.5	340	eP	01 44 49.6	0.0		
			S	01 51 06.0	5.5		
CN2	41.5	356	−P	01 44 52.0	2.5		
			eS	01 51 08.0	6.5		
			LE	Ms=5.1		12.0	1.00
BTO	41.9	338	eP	01 44 52.0	−0.3		
LSA	45.0	311	eP	01 45 19.4	0.9		
			S	01 51 58.0	6.3		
GTA	45.5	328	P	01 45 22.4	0.6		
			S	01 52 03.0	4.7		
			ScS	01 55 16.0	5.9		
			LN	Ms=4.8		14.5	0.57
WMQ	55.2	325	+P	01 46 35.0	−0.6		
			PP	01 48 39.0	−0.6		
			S	01 54 18.4	6.0		
			ScS	01 56 20.0	4.2		
			LN	Ms=5.4		25.0	2.49
KSH	60.6	315	eP	01 47 14.0	0.4		
			eS	01 55 32.0	7.4		

1985 3 13

O=06 11 16.9 ± 0.11s
LAT=51.25 N ± 2.86km
LONG=179.23 W ± 1.07km
DEPTH= 33 km ± 0.10km
STATIONS USED = 38, STAND DEV= 1.18s

MDJ	34.3	279	eP	06 18 02.0	−0.8		
CN2	37.3	281	eP	06 18 27.6	−0.5		
BJI	45.1	282	eP	06 19 33.5	1.0		
TIA	46.9	277	eP	06 19 45.6	−0.9		
XAN	53.4	281	eP	06 20 35.8	−0.5		
GTA	55.4	292	+iP	06 20 50.9	0.3		
CD2	58.7	282	P	06 21 14.7	0.2		
WMQ	59.2	303	−P	06 21 17.6	−0.1		
GYA	60.1	276	eP	06 21 22.0	−1.8		
KMI	63.5	278	eP	06 21 46.5	−0.2		

1985 3 13
O=14 33 44.3 ± 0.22s
LAT=17.43 N ± 1.94km
LONG=119.52 E ± 2.23km
DEPTH= 47 km ± 0.84km
STATIONS USED = 50, STAND DEV= 2.29s
Ms=4.3/ 7, M_L=4.3/ 2,

QZH	7.5	354	eP	14 35 30.0	−4.3		
			SMN	M_L=4.2		0.7	0.090
GZH	8.1	315	P	14 35 36.2	−5.7		
			S	14 37 14.4	2.6		
			SMN	M_L=4.3		1.0	0.080
			SME			1.0	0.070
QZN	9.3	281	eP	14 35 55.1	−4.2		
			eS	14 37 34.4	−8.8		
			LE	Ms=4.0		11.0	0.80
WHN	13.9	341	eP	14 37 02.5	2.1		
GYA	14.9	309	P	14 37 14.4	0.1		
KMI	17.4	299	eP	14 37 45.0	−0.8		
TIA	18.8	354	eP	14 38 07.2	4.2		
			eS	14 41 36.0	8.6		
			LE	Ms=4.4		17.0	1.01
XAN	19.1	332	eP	14 38 05.3	−0.6		
CD2	19.6	316	+iP	14 38 12.1	0.0		
			PMZ			1.0	0.10
TIY	21.1	344	P	14 38 32.0	4.1		
			LN	Ms=4.3		12.0	0.43
BJI	22.7	353	eP	14 38 44.5	1.1		
LZH	23.2	326	eP	14 38 48.5	0.1		
			PMZ			1.5	0.070
BTO	24.5	342	eP	14 39 02.7	1.8		
SNY	24.6	7	eP	14 39 00.4	−0.9		
			eS	14 43 19.0	3.0		
			LE	Ms=4.3		21.0	0.73
CN2	26.8	10	eP	14 39 21.2	−0.8		
			eS	14 43 52.0	−0.4		
			LE	Ms=4.5		14.0	0.60
GTA	27.8	326	P	14 39 32.4	0.7		
			LE	Ms=4.3		12.0	0.31
MDJ	28.4	15	eP	14 39 34.5	−2.3		
LSA	28.6	300	−P	14 39 41.3	1.7		
WMQ	37.6	321	eP	14 40 58.6	2.0		

1985 3 13
O=19 34 56.7 ± 0.08s
LAT=43.53 N ± 1.56km
LONG=127.63 W ± 1.27km
DEPTH= 11 km ± 0.34km
STATIONS USED =112, STAND DEV= 1.24s
Ms=6.5/ 48, m_B=6.6/ 26

MDJ	68.6	312	eP	19 46 00.0	−2.3		
			S	19 55 00.0	−2.1		
			sS	19 55 17.0	3.9		
			LN	Ms=6.5		21.0	20.2
CN2	71.3	313	+P	19 46 17.2	−2.0		
			PMZ	m_B=6.6		4.0	3.10
			pP	19 46 26.5	1.6		
			PP	19 48 55.0	−3.6		
			eS	19 55 29.0	−7.1		
			SMN	m_B=6.8		10.0	7.60
			LE	Ms=6.4		14.0	8.70
SNY	73.7	313	eP	19 46 32.4	−0.7		
			PMZ	m_B=6.8		4.0	3.96
			S	19 56 02.0	0.5		
			SMN	m_B=6.6		12.0	5.42
			SKS	19 56 29.5	−4.5		
			LN	Ms=6.4		17.0	8.56
			LE			17.0	6.41
DL2	76.8	311	−iP	19 46 52.5	1.5		
			PMZ	m_B=6.6		4.0	2.87
			iS	19 56 39.0	1.5		
			SMN	m_B=6.6		12.0	6.00
			LN	Ms=6.3		16.0	7.62
BJI	78.9	315	eP	19 47 02.0	−0.3		
			PMZ	m_B=6.3		5.0	1.69
			eS	19 56 57.5	−2.1		
			SMN	m_B=6.6		11.0	5.30
			LE	Ms=6.6		18.0	16.0
			LZ	Ms=6.2		19.0	7.50
HHC	80.5	319	−P	19 47 10.6	−0.9		
			PP	19 50 17.0	1.3		
			S	19 57 16.0	0.5		
			SMN	m_B=6.4		10.0	3.20
			LN	Ms=6.7		15.0	15.1

TIA	81.2	312	P	19 47 14.4	−0.6			
			PMZ		m_B=6.5	4.0	1.88	
			PP	19 50 21.0	−0.6			
			S	19 57 26.0	3.4			
			SMN		m_B=6.6	10.0	5.33	
			LN		Ms=6.6	17.5	10.6	
			LE			17.5	10.9	
BTO	81.5	319	−iP	19 47 16.0	−0.4			
			S	19 57 24.5	−0.7			
			SKS	19 57 28.0	−2.0			
			LN		Ms=6.5	15.0	6.30	
			LE			15.0	8.00	
			LZ		Ms=6.6	15.0	11.8	
TIY	82.5	316	eP	19 47 21.7	−0.2			
			PMZ		m_B=6.7	4.0	2.75	
			LN		Ms=6.8	17.0	17.5	
			LE			16.0	15.4	
SSE	82.7	306	−iP	19 47 24.0	1.4			
			PMZ		m_B=6.7	4.0	2.77	
			LN		Ms=6.4	14.0	2.58	
			LE			14.0	6.69	
NJ2	83.3	308	−iP	19 47 27.0	1.0			
			PMZ		m_B=6.6	4.0	2.60	
			iS	19 57 45.0	−0.9			
			SS	20 03 14.0	1.4			
			LE		Ms=5.5	19.0	1.30	
GTA	87.0	325	P	19 47 43.8	−0.5			
			S	19 58 12.5	−7.3			
			LE		Ms=6.8	18.5	20.2	
WHN	87.0	310	eP	19 47 43.0	−1.2			
			PMZ		m_B=6.9	4.0	4.40	
			SKS	19 58 10.0	2.5			
			S	19 58 16.0	−4.1			
			LE		Ms=6.6	17.0	13.8	
XAN	87.2	316	eP	19 47 44.0	−1.1			
			PMZ		m_B=6.7	4.0	2.60	
			PP	19 51 12.0	1.8			
			LN		Ms=6.3	15.0	5.85	
			LE			14.0	1.03	
WMQ	87.5	335	−iP	19 47 46.5	−0.2			
			S	19 58 19.0	−5.6			
			SMN		m_B=6.3	11.0	3.17	
			LZ		Ms=6.9	20.0	29.8	
LZH	88.0	321	+P	19 47 49.0	−0.1			
			PMZ			3.0	2.27	
			SS	20 04 15.0	−5.3			
			LN		Ms=6.8	17.0	20.2	
CD2	92.3	318	−iP	19 48 10.8	1.8			
			PMZ			1.2	0.10	
			SKS	19 58 42.0	2.8			
			iS	19 59 14.0	4.2			
			SMN		m_B=6.8	10.0	7.60	
			LE		Ms=6.7	16.0	14.4	
GZH	93.3	306	+P	19 48 17.0	3.3			
			S	19 59 22.0	5.0			
			LN		Ms=6.3	14.0	2.81	
			LE			14.0	3.93	
GYA	94.4	313	P	19 48 21.0	2.1			
			PP	19 52 10.0	2.4			
			SKS	19 58 59.0	7.9			
			S	19 59 31.0	4.6			
			LE		Ms=6.5	17.0	8.50	
KSH	94.7	342	eP	19 48 22.0	1.7			
			PP	19 52 11.0	1.5			
			SKS	19 58 58.0	5.3			
			LE		Ms=6.4	10.0	4.30	
KMI	97.5	315	eP	19 48 34.5	1.3			
			S	20 00 00.0	7.1			
			SME		m_B=6.0	8.0	0.86	
			LE		Ms=6.4	16.0	6.31	
QZN	98.5	306	eP	19 48 36.8	−0.6			
			PP	19 52 40.0	0.6			
			LN		Ms=6.3	19.0	5.70	
LSA	98.9	327	eP	19 48 43.0	3.2			
			PP	19 52 45.0	2.8			
			LN		Ms=6.8	19.0	17.5	

1985 3 14

O=06 26 58.7 ± 0.04s
LAT=23.62 S ± 1.02km
LONG=179.85 W ± 0.79km
DEPTH=525 km ± 0.48km
STATIONS USED = 35, STAND DEV= 0.80s
m_B=5.5 / 1

WHN	82.9	308	eP	06 38 30.0	−0.1			
CN2	83.7	324	+P	06 38 32.8	−1.3			
			pP	06 40 32.6	4.6			
TIA	84.1	314	+P	06 38 36.1	0.1			
			S	06 48 19.0	3.2			
			SMN		m_B=5.5	7.0	0.51	
GYA	86.7	301	P	06 38 48.0	−0.6			
BJI	86.9	316	eP	06 38 49.0	−0.4			
TIY	88.1	313	P	06 38 55.4	0.4			
XAN	88.7	308	+P	06 38 57.8	0.1			
KMI	89.3	298	eP	06 39 01.0	0.4			
CD2	91.0	303	P	06 39 10.0	1.4			

1985 3 14

O=07 02 04.8 ± 0.02s
LAT=40.03 N ± 0.19km

LONG = 105.83 E ± 0.14km
DEPTH = 25 km ± 0.38km
STATIONS USED = 5, STAND DEV = 1.66s
M_L = 3.3 / 5,

BTO	3.3	79	ePg	07 03 01.7	−0.8		
			Sg	07 03 42.9	−4.0		
			SMN	M_L = 2.7		0.4	0.030
			SME			0.4	0.020
HHC	4.5	78	ePg	07 03 24.1	0.4		
			Sg	07 04 20.4	−4.0		
			SMN	M_L = 3.3		0.4	0.050
			SME			0.4	0.050

1985 3 14
O = 09 49 03.5 ± 0.11s
LAT = 7.32 N ± 1.70km
LONG = 127.01 E ± 1.82km
DEPTH = 60 km ± 0.79km
STATIONS USED = 44, STAND DEV = 1.69s
Ms = 4.9 / 16,

QZH	19.3	336	eP	09 53 25.0	−1.3		
			eS	09 56 54.0	−0.9		
			LE	Ms = 4.7		16.0	1.87
QZN	20.3	307	eP	09 53 37.5	−0.1		
			LN	Ms = 4.8		15.0	1.20
			LE			15.0	1.70
GZH	20.5	322	eP	09 53 43.0	4.3		
			S	09 57 23.0	4.4		
			LN	Ms = 5.0		18.0	1.94
			LE			18.0	3.74
SSE	24.3	348	eP	09 54 16.0	−0.5		
			PP	09 54 52.0	−0.2		
			eS	09 58 28.0	0.1		
			sS	09 58 48.0	−3.3		
			LN	Ms = 4.7		20.0	1.50
			LZ	Ms = 4.9		20.0	2.68
GYA	27.1	317	P	09 54 44.0	0.4		
			S	09 59 23.0	8.4		
			LN	Ms = 5.5		16.0	2.40
			LE			16.0	5.90
KMI	29.2	310	eP	09 55 01.5	−0.4		
			pP	09 55 17.0	1.4		
			eS	09 59 45.0	−3.3		
			LE	Ms = 4.9		16.0	1.56
XAN	31.4	330	eP	09 55 19.1	−2.4		
CD2	32.0	320	P	09 55 23.0	−3.7		
			LE	Ms = 5.1		20.0	2.50
BJI	34.0	345	eP	09 55 45.0	1.1		
SNY	34.5	355	−P	09 55 48.9	0.6		
			LN	Ms = 4.7		20.0	0.85
CN2	36.4	358	eP	09 56 03.2	−0.9		
			ePP	09 57 29.0	1.5		
			PcP	09 58 27.8	0.8		
MDJ	37.2	3	eP	09 56 13.5	2.2		
GTA	40.2	327	eP	09 56 34.7	−1.7		
			S	10 02 42.4	4.9		
			LN	Ms = 4.9		16.0	0.91
WMQ	50.0	323	+P	09 57 53.5	−0.9		
			PcP	09 59 14.0	1.2		
			eS	10 05 01.0	1.8		
			LN	Ms = 5.5		16.0	2.68

1985 3 14
O = 16 20 02.2 ± 0.06s
LAT = 29.55 N ± 0.62km
LONG = 105.43 E ± 0.54km
DEPTH = 5 km ± 0.18km
STATIONS USED = 5, STAND DEV = 2.43s
M_L = 2.3 / 3,

CD2	2.0	313	+iPn	16 20 35.4	−1.2		
			Sn	16 21 02.9	−0.7		
			SMN	M_L = 3.1		0.6	0.10
			SME			0.7	0.20
GYA	3.3	160	ePg	16 21 00.2	0.0		
			Sg	16 21 37.4	−7.3		
			SME	M_L = 2.3		1.0	0.010

1985 3 14
O = 20 03 57.9 ± 0.06s
LAT = 30.47 N ± 1.24km
LONG = 142.72 E ± 1.27km
DEPTH = 22 km ± 0.29km
STATIONS USED = 74, STAND DEV = 1.08s
Ms = 4.2 / 6, m_B = 5.0 / 2

MDJ	17.5	327	eP	20 08 02.0	−0.6		
SSE	18.5	277	+P	20 08 15.5	0.4		
			PP	20 08 31.0	0.8		
			LZ	Ms = 4.2		16.0	0.57
CN2	19.1	319	+P	20 08 21.9	−0.3		
			PMZ			3.0	0.30
			sP	20 08 32.0	−0.3		
			eS	20 11 49.0	−2.1		
			SME	m_B = 5.0		7.0	0.50
			LN	Ms = 4.2		11.0	0.40
SNY	19.1	312	−P	20 08 22.9	0.5		
			eS	20 11 44.0	−7.7		
			LN	Ms = 4.3		19.0	0.84
DL2	19.2	302	eP	20 08 26.0	2.1		
			eS	20 11 59.0	4.5		
			LN	Ms = 4.1		14.0	0.45

NJ2	20.5	281	eP	20 08 36.0	−1.0		
			LZ	Ms=4.2	20.0	0.60	
TIA	22.1	292	P	20 08 52.4	−1.4		
BJI	23.6	301	eP	20 09 08.0	−0.6		
			pP	20 09 15.0	−0.7		
			eS	20 13 19.0	0.5		
			SMN	m_B=5.1	6.0	0.34	
WHN	24.4	277	eP	20 09 17.0	0.6		
TIY	26.0	294	eP	20 09 32.0	0.2		
			S	20 13 59.0	0.5		
			LE	Ms=4.4	13.0	0.47	
BTO	28.3	300	eP	20 09 53.0	0.2		
XAN	28.7	286	−P	20 09 55.2	−1.2		
			pP	20 10 02.6	−0.9		
GYA	31.9	272	P	20 10 23.2	−1.1		
LZH	32.8	290	eP	20 10 31.5	−1.2		
CD2	33.4	281	+iP	20 10 36.6	−0.9		
KMI	35.6	271	eP	20 10 57.0	0.1		
GTA	36.0	296	P	20 11 00.0	0.0		
WMQ	45.1	303	−iP	20 12 15.5	0.8		
			sP	20 12 27.3	2.0		
			S	20 18 53.0	2.0		
KSH	54.3	299	eP	20 13 28.0	2.3		

1985 3 14
O=23 40 58.7 ± 0.16s
LAT=26.97 N ± 1.47km
LONG=101.47 E ± 1.21km
DEPTH= 30 km ± 0.34km
STATIONS USED = 53, STAND DEV= 2.40s
Ms=4.4/16, M_L=4.3/11,

KMI	2.2	148	iPn	23 41 36.5	3.0		
			Pg	23 41 42.0	4.7		
			Sn	23 42 04.0	3.4		
			Sg	23 42 11.0	3.8		
			SMN	M_L=4.2	0.7	1.62	
CD2	4.4	27	iPn	23 42 07.5	3.5		
			Pg	23 42 18.8	2.2		
			Sn	23 42 59.0	3.1		
			Sg	23 43 12.0	−4.9		
			LE	Ms=5.0	5.0	13.4	
GYA	4.7	95	Pn	23 42 11.2	3.4		
			Pg	23 42 25.0	3.7		
			Sg	23 43 23.0	−2.4		
			SMN	M_L=4.0	1.0	0.22	
			SME		1.0	0.20	
			LE	Ms=4.4	4.0	2.60	
LZH	9.3	12	eP	23 43 16.5	2.3		
			LE	Ms=4.7	9.5	3.75	
LSA	9.5	289	eP	23 43 16.6	−0.4		
			eS	23 45 03.0	−1.1		
XAN	9.5	41	eP	23 43 12.0	−5.1		
			S	23 44 56.2	−7.9		
			LN	Ms=4.3	9.0	1.47	
QZN	11.0	134	+P	23 43 35.2	−2.7		
			S	23 45 41.0	0.0		
			LN	Ms=4.4	12.0	1.40	
			LE		12.0	0.90	
WHN	11.8	70	P	23 43 49.0	0.3		
			S	23 45 54.0	−6.6		
			LN	Ms=4.3	10.0	0.98	
GTA	12.5	354	eP	23 43 58.2	0.8		
			LE	Ms=4.3	11.0	1.00	
TIY	14.1	38	eP	23 44 25.6	6.2		
			LN	Ms=4.6	10.0	1.10	
			LE		9.0	0.90	
BTO	15.3	25	eP	23 44 33.0	−1.8		
NJ2	16.0	67	eP	23 44 43.0	0.2		
			LE	Ms=4.1	12.0	0.50	
TIA	16.2	52	eP	23 44 44.2	−1.7		
BJI	17.9	39	eP	23 45 06.0	−0.8		
			LN	Ms=4.6	12.0	0.96	
			LE		12.0	0.78	
WMQ	20.2	330	eP	23 45 34.5	0.7		
SNY	23.4	45	eP	23 46 05.8	−0.4		
			eS	23 50 16.0	2.1		
			LN	Ms=4.4	18.0	0.83	
CN2	25.6	43	eP	23 46 26.8	−0.8		
			eS	23 50 49.0	−2.7		
			LN	Ms=4.4	11.0	0.40	

1985 3 15
O=00 16 01.9 ± 0.11s
LAT=20.70 S ± 0.28km
LONG=178.13 W ± 1.22km
DEPTH=539 km ± 1.17km
STATIONS USED = 94, STAND DEV= 0.79s
m_B=5.8/12

QZH	76.4	303	−iP	00 26 58.0	0.1		
			eS	00 35 59.0	−1.3		
SSE	77.7	310	P	00 27 04.0	−0.9		
			PMZ		1.4	0.10	
			epP	00 28 56.0	−3.5		
			sP	00 29 50.0	−3.3		
			eS	00 36 12.0	−2.0		
GZH	79.7	299	−iP	00 27 16.5	1.0		
NJ2	79.9	310	−P	00 27 16.4	−0.1		
MDJ	80.6	325	eP	00 27 19.8	−0.4		
DL2	81.8	317	−iP	00 27 26.0	−0.1		
SNY	82.3	320	−iP	00 27 28.0	−0.6		

			PMZ	$m_B=5.8$	4.0	1.52
			sP	00 30 14.0	−4.1	
CN2	82.4	323	−iP	00 27 28.7	−0.5	
			PMZ	$m_B=6.0$	4.0	2.30
			pP	00 29 24.0	−1.1	
			sP	00 30 18.0	−0.7	
			SKS	00 36 56.0	0.7	
			eS	00 36 58.0	−3.4	
			SMN	$m_B=5.5$	6.0	0.40
			SME		6.0	0.40
WHN	82.5	306	P	00 27 30.0	0.4	
			pP	00 29 28.0	2.4	
TIA	83.3	313	−P	00 27 33.7	−0.2	
			SKS	00 37 03.0	1.2	
BJI	85.9	315	−P	00 27 46.0	−0.7	
			PMZ	$m_B=6.0$	4.0	1.46
			SKS	00 37 20.0	0.9	
			eS	00 37 38.0	2.5	
			SMN	$m_B=5.3$	5.0	0.22
GYA	86.6	300	−P	00 27 51.0	0.9	
TIY	87.3	312	−P	00 27 53.2	0.0	
			PMZ		1.4	0.42
			SMN	$m_B=5.7$	6.0	0.41
			SME		6.0	0.50
XAN	88.2	307	−iP	00 27 57.6	0.5	
			PMZ	$m_B=6.0$	4.0	1.19
			SKS	00 37 30.0	−2.9	
			S	00 37 53.5	−0.6	
			SME	$m_B=5.7$	9.0	0.85
KMI	89.3	297	−iP	00 28 04.0	1.2	
			PMZ		1.5	0.60
			S	00 38 10.0	5.4	
HHC	89.4	314	eP	00 28 03.6	0.6	
			PMZ	$m_B=6.0$	4.0	1.05
BTO	90.3	314	eP	00 28 07.3	0.0	
			SKS	00 37 45.0	−0.8	
			S	00 38 13.0	−0.4	
CD2	90.8	303	−iP	00 28 10.0	0.6	
			SKS	00 37 50.0	1.5	
			S	00 38 26.0	8.5	
LZH	92.8	308	P	00 28 18.5	−0.2	
			PMZ		2.5	0.49
GTA	97.0	309	P	00 28 37.6	−0.3	
LSA	100.6	298	eP	00 28 54.4	0.2	
			PP	00 33 09.0	−2.7	
KSH	114.9	305	PKP	00 33 44.0	1.5	
			PP	00 34 51.0	−3.7	
			sPKP	00 36 44.0		

1985 3 15

O = 10 31 38.6 ± 0.03s
LAT = 40.90 N ± 0.37km
LONG = 105.52 E ± 0.25km
DEPTH = 21 km ± 0.26km
STATIONS USED = 5, STAND DEV = 2.32s
M_L = 2.9 / 5,

BTO	3.4	94	Pg	10 32 40.4	0.9		
			eSg	10 33 25.4	−0.9		
			SMN	$M_L=2.6$		0.4	0.020
			SME			0.4	0.020
HHC	4.6	89	ePn	10 32 48.2	0.7		
			Pg	10 33 02.7	3.1		
			SMN	$M_L=2.9$		0.6	0.020
GTA	4.6	253	Pn	10 32 49.6	1.7		
			Pg	10 33 02.7	2.5		
			Sn	10 33 41.6	−1.1		
			Sg	10 33 59.2	−4.1		
			SMN	$M_L=3.4$		0.6	0.010
			SME			0.6	0.10

1985 3 15

O = 17 11 39.1 ± 0.10s
LAT = 32.82 N ± 0.83km
LONG = 104.29 E ± 0.89km
DEPTH = 11 km ± 0.39km
STATIONS USED = 9, STAND DEV = 3.34s
M_L = 3.4 / 7,

CD2	2.0	194	iPn	17 12 15.8	3.1		
			Pg	17 12 18.0	4.4		
			Sg	17 12 43.1	2.7		
			SMN	$M_L=3.5$		1.0	0.50
			SME			1.0	0.30
LZH	3.3	354	Pg	17 12 37.5	0.1		
			Sg	17 13 19.5	−2.6		
			SMN	$M_L=3.4$		1.0	0.13
XAN	4.1	71	Pn	17 12 43.0	1.4		
			Pg	17 12 52.6	1.9		
			Sg	17 13 54.2	8.0		
			SMN	$M_L=3.4$		0.8	0.070
			SME			0.7	0.080
GYA	6.7	161	Pn	17 13 20.0	2.6		

1985 3 16

O = 03 57 42.8 ± 0.22s
LAT = 32.50 N ± 0.66km
LONG = 121.65 E ± 2.01km
DEPTH = 15 km
STATIONS USED = 8, STAND DEV = 1.60s
M_L = 3.0 / 10,

SSE	1.5	196	Pg	03 58 08.1	−0.6

			Sn	03 58 26.5	−3.3		
			Sg	03 58 28.0	−0.7		
			SMN	M_L=3.4		0.4	0.53
			SME			0.4	0.50
NJ2	2.4	260	Pg	03 58 24.6	−0.9		
			Sg	03 58 56.4	−2.1		
			SMN	M_L=3.1		0.4	0.090
			SME			0.3	0.12
TIA	5.3	316	ePg	03 59 17.5	1.6		
			Sg	04 00 28.4	0.7		
			SMN	M_L=3.0		1.2	0.020
			SME			1.2	0.010

1985 3 16
O=08 18 47.0 ± 0.04s
LAT=29.16 N ± 0.36km
LONG=105.53 E ± 0.41km
DEPTH= 10 km ± 0.09km
STATIONS USED = 6, STAND DEV= 1.88s
M_L=3.0/ 3,

CD2	2.3	319	Pn	08 19 25.0	−0.8		
			Pg	08 19 30.0	1.9		
			Sn	08 19 54.1	−2.1		
			Sg	08 19 58.4	−1.5		
			SMN	M_L=3.0		0.8	0.10
GYA	2.9	159	Pn	08 19 33.0	−0.4		
			Pg	08 19 42.4	4.6		
			Sg	08 20 21.6	4.5		

1985 3 16
O=08 19 10.3 ± 0.11s
LAT=55.26 S ± 4.58km
LONG= 28.46 W ± 4.12km
DEPTH= 32 km ± 0.08km
STATIONS USED = 33, STAND DEV= 2.29s
Ms=5.5/ 1,

GYA	136.6	113	PKP	08 38 34.0	3.3		
WMQ	138.5	78	ePKP	08 38 37.0	3.0		
GTA	142.5	93	ePKP	08 38 37.5	−3.6		
XAN	143.8	108	ePKP	08 38 41.0	−2.2		
NJ2	147.4	122	PKP	08 38 52.0	2.6		
SSE	147.7	126	PKP	08 38 52.0	2.2		
TIY	148.4	107	ePKP	08 38 50.8	−0.3		
			LE	Ms=5.5		12.0	0.34
TIA	149.8	115	ePKP	08 38 53.8	0.5		
BJI	152.1	108	ePKP	08 39 02.5	5.8		
CN2	159.7	113	ePKP	08 39 05.0	−1.7		

1985 3 16
O=09 12 47.4 ± 0.08s
LAT=39.20 N ± 1.59km
LONG= 71.28 E ± 1.16km
DEPTH= 33 km ± 0.15km
STATIONS USED = 61, STAND DEV= 1.64s
Ms=4.7/ 6, M_L=4.8/ 3,

KSH	3.7	85	+iPn	09 13 46.0	3.7		
			Sg	09 14 43.0	0.7		
			SMN	M_L=5.1		1.0	6.86
			SME			0.8	3.93
WMQ	13.1	64	P	09 15 55.0	0.4		
			S	09 18 27.5	7.4		
			LN			2.0	0.21
LZH	25.9	87	eP	09 18 19.0	0.3		
			PMZ			1.5	0.070
CD2	27.7	97	eP	09 18 35.8	0.4		
BTO	29.6	75	eP	09 18 51.8	−0.3		
XAN	30.5	88	−P	09 18 59.0	−1.1		
GYA	32.1	103	P	09 19 14.6	0.1		
BJI	34.3	74	eP	09 19 32.5	−0.8		
WHN	36.1	90	+P	09 19 52.3	3.8		
TIA	36.1	80	−P	09 19 48.3	−0.3		
			PcP	09 22 13.3	−0.5		
DL2	38.7	74	eP	09 20 09.9	−0.3		
NJ2	39.0	85	eP	09 20 16.0	3.5		
CN2	40.2	65	eP	09 20 20.3	−2.7		
SSE	41.2	86	eP	09 20 31.0	0.2		
			eS	09 26 40.0	−2.0		
			LN	Ms=5.0		16.0	1.16
			LZ	Ms=5.1		16.0	1.43

1985 3 16
O=09 24 11.7 ± 0.10s
LAT=24.41 N ± 1.30km
LONG=124.16 E ± 1.00km
DEPTH= 72 km ± 0.69km
STATIONS USED = 20, STAND DEV= 1.88s
Ms=4.2/ 1,

QZH	5.1	277	eP	09 25 25.3	−2.0		
SSE	7.2	339	P	09 25 54.5	−1.6		
GYA	15.9	281	eP	09 27 58.0	4.8		
XAN	16.4	309	eP	09 28 00.3	1.6		
CN2	19.4	3	+P	09 28 33.0	−1.5		
			eS	09 31 58.0	−6.5		
			LN	Ms=4.2		15.0	0.50
BTO	20.0	327	eP	09 28 41.6	0.0		

1985 3 16
O=14 45 55.4 ± 0.08s
LAT=45.95 N ± 2.78km
LONG=151.99 E ± 1.72km

DEPTH= 37 km ± 1.24km
STATIONS USED = 65, STAND DEV= 1.48s
Ms=4.5/ 6,

MDJ	15.8	273	eP	14 49 38.0	0.7		
CN2	18.9	273	+P	14 50 13.4	−2.5		
			PMZ			3.0	0.40
			eS	14 53 36.0	−5.8		
			LN	Ms=4.6		13.0	1.00
			LE			13.0	0.90
SNY	20.8	269	+P	14 50 36.3	−0.4		
			eS	14 54 28.0	5.8		
			LN	Ms=4.4		18.0	0.59
			LE			19.0	0.89
DL2	23.4	263	eP	14 51 03.6	1.5		
BJI	26.7	270	eP	14 51 31.0	−2.5		
			LE	Ms=4.5		16.0	0.72
TIA	27.8	262	eP	14 51 43.9	0.0		
			eS	14 56 28.0	5.0		
			LN	Ms=4.5		16.0	0.29
			LE			16.0	0.58
SSE	28.1	249	eP	14 51 47.0	0.9		
			eS	14 56 28.0	1.0		
			LN	Ms=4.6		20.0	0.89
HHC	29.6	275	eP	14 52 00.8	1.2		
TIY	30.3	269	eP	14 52 07.0	0.6		
BTO	30.8	275	eP	14 52 10.3	0.2		
WHN	33.0	255	eP	14 52 29.5	0.1		
XAN	34.7	265	eP	14 52 44.0	−0.1		
LZH	37.1	272	+P	14 53 06.0	0.9		
			PMZ			1.5	0.12
GTA	38.3	279	P	14 53 16.8	1.7		
			PcP	14 55 28.6	0.5		
CD2	40.0	265	eP	14 53 29.8	0.7		
GYA	40.8	257	P	14 53 35.4	0.0		
KMI	44.3	259	+P	14 54 04.5	0.0		
WMQ	44.5	291	P	14 54 06.4	0.7		
LSA	49.5	273	eP	14 54 42.9	−2.8		
KSH	54.3	292	eP	14 55 23.0	2.1		

1985 3 16
O=14 54 00.8 ± 0.13s
LAT=17.03 N ± 2.42km
LONG= 62.53 W ± 3.01km
DEPTH= 12 km ± 0.46km
STATIONS USED = 92, STAND DEV= 2.04s
Ms=6.8/ 35, m_B=6.5/ 3

WMQ	113.6	23	PKP	15 12 39.0	−1.2		
			LN	Ms=6.9		16.0	16.1
MDJ	117.7	350	ePKP	15 12 53.0	4.9		
CN2	119.0	353	PKP	15 12 52.0	1.3		
			LN	Ms=6.9		12.0	16.0
SNY	121.2	355	ePKP	15 12 56.0	1.1		
			LN	Ms=6.6		27.0	12.1
GTA	121.5	16	ePKP	15 12 56.3	0.7		
			LN	Ms=6.7		23.0	14.0
HHC	122.2	5	ePKP	15 13 00.9	4.0		
			LN	Ms=6.8		20.0	14.9
BTO	122.3	7	PKP	15 12 58.0	0.9		
			ePP	15 14 32.0	−3.7		
			LN	Ms=6.8		18.0	12.2
			LE			18.0	4.50
			LZ	Ms=6.7		18.0	9.60
BJI	123.2	1	ePKP	15 12 58.5	−0.3		
			ePP	15 14 38.0	−4.4		
			PPMZ	m_B=6.2		8.5	0.63
			LN	Ms=6.8		20.0	13.6
DL2	124.2	356	ePKP	15 13 06.8	6.0		
			LN	Ms=6.8		23.0	14.9
TIY	125.3	5	ePKP	15 13 02.8	−0.2		
			PP	15 14 53.0	−3.2		
			PPMZ	m_B=6.5		8.0	1.17
			LN	Ms=7.1		19.5	26.7
LZH	125.6	14	ePKP	15 13 03.0	−0.7		
			LE	Ms=6.8		20.0	14.2
TIA	127.1	0	PKP	15 13 06.3	0.0		
			SS	15 32 16.0	3.5		
			LN	Ms=6.8		23.0	15.5
			LZ	Ms=6.9		23.5	21.1
LSA	127.1	29	ePKP	15 13 06.8	0.1		
			PP	15 15 10.0	2.7		
XAN	128.6	9	ePKP	15 13 08.8	−0.5		
			PP	15 15 13.0	−5.0		
			PKS	15 16 24.0			
			LE	Ms=7.1		18.0	21.2
CD2	130.5	16	PKP	15 13 13.6	0.6		
			ePP	15 15 28.0	−2.8		
			LE	Ms=6.7		40.0	20.8
NJ2	131.2	358	ePKP	15 13 13.8	−0.4		
			PP	15 15 29.5	−5.6		
			PKS	15 16 48.0			
			LN	Ms=6.7		23.0	10.8
SSE	132.0	356	PKP	15 13 17.0	1.2		
			PP	15 15 34.0	−6.0		
			LN	Ms=7.0		24.0	15.4
			LE			24.0	17.8
WHN	132.6	4	ePKP	15 13 16.0	−0.9		
			LN	Ms=6.8		20.0	13.5
GYA	135.5	14	PKP	15 13 23.0	0.6		
			PP	15 16 00.0	−2.0		
			LN	Ms=6.8		19.0	10.1

			LE			19.0	3.90
			LZ	Ms=6.9		19.0	15.7
KMI	135.7	19	cPKP	15 13 22.5	−0.4		
			sPKP	15 13 30.0			
			PP	15 15 59.0	−4.2		
			LN	Ms=6.9		23.0	15.8
GZH	139.9	6	cPKP	15 13 29.5	−0.8		
			LN	Ms=6.7		19.0	8.91
QZN	143.4	12	cPKP	15 13 36.3	−0.1		
			PP	15 16 47.0	−3.2		
			LN	Ms=6.9		23.0	11.7
			LE			23.0	10.8

1985 3 16

O=14 59 28.5 ± 0.08s
LAT=32.77 N ± 0.83km
LONG=103.98 E ± 0.99km
DEPTH= 6 km ± 0.12km
STATIONS USED = 12, STAND DEV= 2.63s

M_L=3.6/ 4,

CD2	1.9	186	Pn	15 00 02.0	0.7		
			Pg	15 00 05.9	4.5		
			Sn	15 00 28.5	1.6		
			Sg	15 00 30.5	3.7		
			SMN	M_L=3.9		1.2	1.10
LZH	3.3	358	cPn	15 00 26.5	5.1		
			Sn	15 01 11.0	8.1		
			SMN	M_L=3.7		1.0	0.20
			SME			1.5	0.24
XAN	4.3	72	Pn	15 00 36.0	0.8		
			Pg	15 00 46.0	1.1		
			Sg	15 01 42.4	−1.6		

1985 3 17

O=05 25 29.3 ± 0.10s
LAT=36.16 N ± 1.33km
LONG= 70.78 E ± 1.63km
DEPTH= 64 km ± 0.77km
STATIONS USED = 13, STAND DEV= 2.69s

M_L=4.5/ 1,

KSH	5.3	50	cP	05 26 50.0	2.3		
			cS	05 27 48.0	1.5		
			SMN	M_L=4.5		0.3	0.54
			SME			0.3	0.48
WMQ	15.0	54	cP	05 28 58.3	−1.5		
			LN			2.0	0.030
GTA	23.1	73	P	05 30 32.6	1.5		

1985 3 17

O=06 23 47.3 ± 0.07s
LAT= 8.75 N ± 3.41km
LONG= 94.10 E ± 1.88km
DEPTH= 34 km ± 1.67km
STATIONS USED = 16, STAND DEV= 1.99s

GYA	21.3	33	cP	06 28 32.6	−0.7
CD2	23.8	21	cP	06 28 58.1	−0.3
XAN	28.6	26	cP	06 29 47.6	4.4
GTA	31.0	9	cP	06 30 05.3	1.3
WMQ	35.4	352	cP	06 30 41.5	−0.8

1985 3 17

O=07 14 07.5 ± 0.21s
LAT= 4.36 S ± 2.53km
LONG= 80.71 W ± 2.24km
DEPTH= 39 km ± 1.80km
STATIONS USED = 34, STAND DEV= 2.65s

CN2	134.4	333	cPKP	07 33 22.0	−0.8
TIA	144.3	335	cPKP	07 33 36.8	−3.6
TIY	144.7	342	cPKP	07 33 38.8	−2.4
SSE	146.4	325	PKP	07 33 43.5	−0.4
			PKP_2	07 33 47.0	
NJ2	146.9	329	cPKP	07 33 45.0	0.1
LZH	148.2	353	cPKP	07 33 50.0	2.9
XAN	149.1	344	cPKP	07 33 51.9	3.4
WHN	150.3	333	cPKP	07 33 54.5	4.2
CD2	153.3	351	cPKP	07 33 53.8	−0.9
GYA	156.9	343	PKP	07 34 00.0	0.3

1985 3 17

O=10 41 38.3 ± 0.16s
LAT=32.62 S ± 2.31km
LONG= 71.56 W ± 2.53km
DEPTH= 33 km ± 1.03km
STATIONS USED =101, STAND DEV= 1.54s
Ms=6.8/46, m_B=6.3/ 5

KSH	153.0	66	+PKP	11 01 28.0	1.9		
			PKP_2	11 01 47.0			
			PP	11 05 19.0	−1.2		
			LE	Ms=7.0		20.0	18.1
MDJ	159.7	312	cPKP	11 01 31.0	−3.6		
			PKP_2	11 02 15.0			
			PP	11 05 57.0	0.5		
			PKS	11 05 05.0			
			LE	Ms=6.6		20.0	7.54
WMQ	160.3	49	PKP	11 01 35.4	0.0		
			PKP_2	11 02 20.0			
			PP	11 06 00.0	0.1		
			SS	11 26 08.0	2.8		
			LN	Ms=7.1		18.0	19.9
CN2	162.6	315	iPKP	11 01 36.0	−1.6		

			pPKP	11 01 47.0	−0.2		
			PKP_2	11 02 25.5			
			PP	11 06 10.0	−2.3		
			PPMZ	m_B = 6.2		8.0	2.00
			SS	11 26 26.0	−3.4		
			LN	Ms = 6.8		17.0	9.30
SNY	164.9	312	iPKP	11 01 39.5	−0.4		
			PKP_2	11 02 40.0			
			SKP	11 04 48.0			
			PP	11 06 19.0	−5.6		
			LN	Ms = 6.4		28.0	7.41
LSA	164.9	97	cPKP	11 01 41.8	1.4		
			PKP_2	11 02 39.0			
			iPP	11 06 26.0	1.2		
			LN	Ms = 6.8		22.0	13.3
QZN	166.4	186	PKP	11 01 42.5	1.3		
			PKP_2	11 02 45.0			
			LN	Ms = 6.8		20.0	8.50
			LE			21.0	8.20
DL2	167.6	304	PKP	11 01 41.5	−0.5		
			pPKP	11 01 51.0	−0.5		
			sPKP	11 01 55.0			
			PKP_2	11 02 50.0			
			PP	11 06 40.0	1.7		
			LN	Ms = 6.9		18.0	8.90
			LE			18.0	10.8
QZH	168.3	232	cPKP	11 01 42.5	0.1		
			PKP_2	11 02 53.0			
			PP	11 06 45.0	3.4		
			SS	11 27 35.0	8.1		
			LN	Ms = 6.8		18.0	7.03
			LE			18.0	7.91
SSE	169.1	265	iPKP	11 01 42.0	−0.8		
			PKP_2	11 03 04.0			
			PP	11 06 50.0	4.4		
			SS	11 27 34.0	−0.8		
			LN	Ms = 7.0		22.0	20.7
			LZ	Ms = 7.0		22.0	22.8
GZH	169.6	206	+PKP	11 01 45.0	1.9		
			PKP_2	11 02 57.0			
			PP	11 06 43.0	−5.1		
			LN	Ms = 6.8		20.0	8.91
			LE			20.0	8.76
			LZ	Ms = 6.7		20.0	11.1
GTA	170.3	43	PKP	11 01 43.5	−0.3		
			PKP_2	11 03 01.6			
			PP	11 06 52.0	0.4		
			SS	11 27 49.5	2.7		
			LE	Ms = 6.8		18.5	11.5
BJI	170.3	322	PKP	11 01 42.5	−1.1		
			cPP	11 06 53.0	1.1		
			PPMZ			13.0	3.56
			LN	Ms = 6.7		19.0	11.6
KMI	171.0	145	PKP	11 01 45.0	0.7		
			sPKP	11 01 59.0			
			PKP_2	11 03 05.0			
			PP	11 06 52.0	−3.3		
			LN	Ms = 6.8		20.0	13.8
NJ2	171.2	269	PKP	11 01 44.0	−0.1		
			PKP_2	11 03 10.0			
			PP	11 06 57.0	0.9		
			LZ	Ms = 6.8		19.0	13.7
HHC	171.4	344	PKP	11 01 46.1	1.7		
			PKP_2	11 03 09.0			
			PP	11 06 58,0	0.6		
			PPMZ	m_B = 6.3		8.0	2.80
			LN	Ms = 7.0		20.0	18.8
			LE			20.0	10.4
BTO	171.9	351	PKP	11 01 45.0	0.3		
			PKP_2	11 03 06.5			
			PKS	11 05 16.5			
			PP	11 06 58.0	−2.0		
			PPMZ	m_B = 6.4		8.0	3.10
			LN	Ms = 6.8		18.0	10.4
			LE			18.0	10.2
			LZ	Ms = 6.9		18.0	16.4
TIA	172.0	299	PKP	11 01 43.8	−0.9		
			PP	11 06 55.0	−5.2		
			PPMZ	m_B = 6.3		9.5	2.99
			LN	Ms = 6.6		19.0	5.42
			LE			19.0	8.40
GYA	173.7	165	PKP	11 01 46.0	0.5		
			sPKP	11 02 00.0			
			PKP_2	11 03 05.0			
			PP	11 07 05.0	−3.6		
			SS	11 28 20.0	0.9		
			LN	Ms = 6.5		19.0	5.60
			LE			19.0	6.10
			LZ	Ms = 6.7		19.0	13.3
TIY	174.0	328	cPKP	11 01 45.0	−0.5		
			PKP_2	11 03 18.0			
			LN	Ms = 6.9		19.0	20.8
			LE			20.0	7.84
WHN	174.5	249	cPKP	11 01 44.0	−1.6		
			pPKP	11 01 55.0	−0.1		
			PKP_2	11 03 24.0			
			LN	Ms = 6.6		20.0	13.5
LZH	174.9	46	cPKP	11 01 46.5	0.6		
			PKP_2	11 03 22.0			
			LE	Ms = 6.5		19.0	10.4

CD2	175.7	112	iPKP	11 01 47.3	1.3		
			PKP_2	11 03 24.8			
			PP	11 07 18.0	−0.7		
			PPMZ			16.0	9.10
			LN	Ms=6.8		19.0	23.8
XAN	178.5	344	PKP	11 01 45.0	−1.5		
			PKP_2	11 03 35.0			
			PP	11 07 29.0	−3.1		
			LN	Ms=5.6		20.0	1.65
			LE			20.0	1.58

1985 3 17
O=11 43 31.6 ± 0.08s
LAT=40.61 N ± 1.99km
LONG=143.65 E ± 1.40km
DEPTH= 31 km ± 0.43km
STATIONS USED = 52, STAND DEV = 1.51s
Ms=4.5/ 2,

MDJ	11.1	296	cP	11 46 12.0	0.4
CN2	13.9	289	+P	11 46 49.0	0.5
			pP	11 46 57.0	1.6
SNY	15.2	281	cP	11 47 06.1	0.7
DL2	17.0	271	cP	11 47 29.3	0.2
SSE	20.5	249	P	11 48 14.0	4.2
			sP	11 48 26.0	3.7
BJI	20.9	277	cP	11 48 12.0	−2.5
TIA	21.2	267	−P	11 48 15.8	−1.6
NJ2	21.7	255	cP	11 48 21.0	−0.9
TIY	24.3	273	cP	11 48 45.0	−3.0
BTO	25.5	281	P	11 49 00.8	1.9
XAN	28.3	268	cP	11 49 25.6	1.0
LZH	31.4	275	cP	11 49 52.0	−0.3
GTA	33.3	283	P	11 50 10.8	1.2
CD2	33.5	266	cP	11 50 11.5	0.2
GYA	33.6	257	P	11 50 12.6	0.4
KMI	37.3	258	+P	11 50 44.0	0.5
WMQ	40.9	294	P	11 51 14.0	0.7

1985 3 17
O=12 22 49.0 ± 0.10s
LAT= 2.18 N ± 1.72km
LONG=129.06 E ± 2.34km
DEPTH= 34 km ± 0.16km
STATIONS USED = 69, STAND DEV= 1.45s

QZH	24.8	337	cP	12 28 15.0	5.6
QZN	25.2	313	cP	12 28 14.3	1.1
GZH	25.8	325	cP	12 28 19.0	0.3
NJ2	31.2	343	cP	12 29 08.3	0.4
WHN	31.5	335	cP	12 29 10.6	0.6
			pP	12 29 17.0	−2.3
GYA	32.3	320	cP	12 29 22.0	4.3
KMI	34.1	314	cP	12 29 34.0	0.7
			pP	12 29 42.0	−0.5
TIA	35.6	343	cP	12 29 45.5	−0.4
XAN	36.9	332	cP	12 29 55.6	−0.8
DL2	37.2	350	cP	12 29 58.6	−0.5
CD2	37.3	323	P	12 30 00.0	0.1
TIY	38.5	339	P	12 30 08.9	−1.5
BJI	39.5	344	cP	12 30 17.0	−1.1
SNY	39.8	354	cP	12 30 20.3	−0.4
LZH	41.0	328	cP	12 30 31.5	0.2
			pP	12 30 38.5	−2.1
CN2	41.6	356	+P	12 30 35.0	−0.6
HHC	41.6	340	cP	12 30 36.0	−0.1
MDJ	42.3	1	cP	12 30 41.0	−0.3
LSA	45.2	311	cP	12 31 05.3	−0.2
GTA	45.6	328	P	12 31 08.9	0.3
			ScP	12 36 37.6	2.8
WMQ	55.3	324	+P	12 32 21.0	−1.3
			cS	12 40 03.5	0.7
			ScS	12 42 05.5	1.2

1985 3 17
O=12 51 58.5 ± 0.09s
LAT= 9.79 S ± 1.31km
LONG=110.51 E ± 2.20km
DEPTH= 32 km ± 0.53km
STATIONS USED = 17, STAND DEV= 1.89s

CD2	41.0	351	P	12 59 41.8	1.2
NJ2	42.4	11	cP	12 59 53.0	1.1
XAN	43.6	358	+P	13 00 02.4	0.3
TIA	46.2	7	cP	13 00 21.6	−1.0
BJI	49.8	6	cP	13 00 50.5	−0.7
GTA	49.9	349	P	13 00 53.6	1.5
CN2	55.0	13	−P	13 01 27.0	−3.0

1985 3 17
O=13 03 15.8 ± 0.10s
LAT=14.26 N ± 1.29km
LONG=146.78 E ± 1.21km
DEPTH= 50 km ± 0.56km
STATIONS USED = 50, STAND DEV= 0.99s
Ms=4.8/ 3, m_B=5.1/ 1

DL2	33.1	323	cP	13 09 50.0	0.6
WHN	33.9	304	cP	13 09 57.5	0.9
TIA	34.4	315	cP	13 10 00.0	−0.5
CN2	34.6	332	P	13 10 01.6	−1.2
			pP	13 10 14.6	−0.5
BJI	37.1	320	cP	13 10 23.0	−0.7
			cS	13 16 09.0	3.3

			SMN		m_B = 5.1	7.0	0.28
			LN		Ms = 4.8	18.0	0.90
TIY	38.4	314	eP	13 10 34.4	0.0		
			S	13 16 29.5	5.5		
			LE		Ms = 4.8	19.0	0.84
GYA	39.4	294	P	13 10 44.4	1.8		
XAN	39.5	307	eP	13 10 43.3	−0.1		
BTO	41.4	316	eP	13 11 00.5	1.0		
CD2	42.7	300	eP	13 11 11.0	0.5		
LZH	44.1	308	eP	13 11 21.5	0.2		
			PMZ			2.5	0.16
GTA	48.1	311	P	13 11 53.4	−0.1		
LSA	53.4	296	eP	13 12 33.0	−0.4		
WMQ	58.0	313	−P	13 13 07.8	1.1		
			S	13 21 06.3	5.7		
KSH	66.3	307	eP	13 14 04.0	1.9		

1985 3 18
O = 01 44 00.8 ± 0.09s
LAT = 36.04 N ± 0.97km
LONG = 113.93 E ± 0.86km
DEPTH = 6 km ± 0.09km
STATIONS USED = 14, STAND DEV = 2.05s

					M_L = 3.5 / 18,		
TIY	2.1	325	iPg	01 44 37.0	−0.2		
			Sg	01 45 03.3	−1.9		
			SMN		M_L = 3.3	0.6	0.24
			SME			0.5	0.27
TIA	2.6	85	Pn	01 44 42.6	−0.9		
			Pg	01 44 47.3	0.8		
			Sg	01 45 20.3	−1.7		
			SMN		M_L = 3.2	0.4	0.15
			SME			0.4	0.090
			SMZ		M_L = 3.4	0.4	0.12
BJI	4.4	23	cPg	01 45 16.5	−1.5		
			cSg	01 46 13.5	−4.2		
			SMN		M_L = 3.8	0.5	0.18
			SME			0.5	0.17
XAN	4.6	246	Pn	01 45 08.0	−2.7		
			Pg	01 45 23.0	1.7		
			Sg	01 46 20.8	−3.0		
			SMN		M_L = 3.6	1.2	0.10
BTO	5.5	327	cPg	01 45 39.3	1.3		
			Sg	01 46 50.6	−2.2		
			SMN		M_L = 3.4	1.0	0.030
			SME			1.0	0.040

1985 3 18
O = 15 15 28.5 ± 0.16s
LAT = 39.76 N ± 1.52km
LONG = 118.60 E ± 1.40km
DEPTH = 13 km ± 0.33km
STATIONS USED = 9, STAND DEV = 3.12s

					M_L = 3.2 / 11,		
BJI	1.9	279	cPn	15 16 01.0	0.1		
			Pg	15 16 04.0	2.1		
			cSn	15 16 27.0	0.5		
			Sg	15 16 30.0	2.2		
			SMN		M_L = 3.2	0.5	0.30
			SME			0.5	0.17
TIA	3.7	199	Pn	15 16 23.4	−2.8		
			Pg	15 16 35.3	1.0		
			Sn	15 17 06.3	−5.7		
			Sg	15 17 21.3	−4.0		
			SMN		M_L = 2.7	0.4	0.020
			SME			0.5	0.020
			SMZ		M_L = 2.9	0.5	0.020
CN2	6.5	49	cPg	15 17 27.6	3.9		
			Sg	15 18 50.3	−2.4		
			SMN		M_L = 3.2	1.0	0.020
			SME			1.0	0.010

1985 3 18
O = 16 09 32.6 ± 0.06s
LAT = 5.18 S ± 0.77km
LONG = 153.53 E ± 1.09km
DEPTH = 34 km ± 0.19km
STATIONS USED = 32, STAND DEV = 0.95s

TIA	53.4	323	cP	16 18 51.4	−0.8
CN2	54.9	335	−P	16 19 02.3	−0.8
GYA	55.2	307	P	16 19 06.8	1.7
TIY	57.3	322	eP	16 19 19.5	−0.4
XAN	57.4	316	+P	16 19 20.0	−0.8
KMI	57.8	304	eP	16 19 24.5	0.7
BTO	60.5	323	eP	16 19 42.0	−0.6
LZH	62.0	316	eP	16 19 53.0	0.4
GTA	66.4	317	+iP	16 20 22.3	0.9
WMQ	76.5	317	+P	16 21 22.0	0.1

1985 3 18
O = 16 25 29.5 ± 0.03s
LAT = 5.80 S ± 1.00km
LONG = 102.80 E ± 1.16km
DEPTH = 10 km ± 0.66km
STATIONS USED = 14, STAND DEV = 0.62s

GYA	32.3	6	P	16 32 01.0	−0.2
XAN	40.0	8	+P	16 33 06.0	−1.0
GTA	45.1	357	eP	16 33 48.4	0.3
BJI	47.2	14	eP	16 34 05.5	0.4
CN2	53.4	20	P	16 34 52.3	−0.1

1985 3 18

O = 19 49 44.7 ± 0.08s
LAT = 7.80 N ± 1.12km
LONG = 123.61 E ± 1.32km
DEPTH = 32 km ± 0.09km
STATIONS USED = 103, STAND DEV = 1.14s
Ms = 6.6 / 48, m_B = 6.5 / 35

QZN	17.4	311	eP	19 53 47.4	0.4		
			PMZ	m_B = 6.7		9.0	33.5
			S	19 57 04.0	6.4		
			SMN			13.0	34.5
			LN	Ms = 6.4		19.0	130
QZH	17.7	345	+iP	19 53 52.0	1.3		
			PMZ	m_B = 6.1		8.0	7.63
			S	19 57 08.0	3.8		
			LN	Ms = 6.6		18.0	211
			LE			18.0	29.7
GZH	18.1	328	+iP	19 53 57.0	1.2		
			PMZ	m_B = 6.6		10.0	28.4
			SMN	m_B = 6.6		10.0	14.7
			SME			10.0	24.9
SSE	23.3	355	+iP	19 54 51.0	0.2		
			PMZ	m_B = 6.4		8.0	12.6
			pP	19 54 59.0	−0.5		
			sP	19 55 03.0	−0.6		
			cPP	19 55 26.0	4.3		
			iS	19 58 56.5	−0.9		
			sS	19 59 12.0	0.3		
			LN	Ms = 6.2		16.0	42.4
			LZ	Ms = 6.7		16.0	143
WHN	24.2	340	+iP	19 55 00.0	0.1		
			PMZ	m_B = 6.5		8.0	15.1
			S	19 59 18.0	4.9		
			SMN	m_B = 7.1		12.0	67.3
			ScP	20 02 14.0	−1.3		
			LE	Ms = 6.8		19.0	180
NJ2	24.5	350	+iP	19 55 03.0	0.1		
			PMZ	m_B = 6.2		8.0	8.10
			S	19 59 16.0	−2.2		
			LE	Ms = 6.7		14.5	102
GYA	24.6	321	+P	19 55 05.0	1.6		
			PMZ	m_B = 6.6		7.0	17.7
			SMN			14.0	41.0
			SME			14.0	63.0
			LN	Ms = 7.0		18.0	200
			LE			18.0	177
KMI	26.3	313	+iP	19 55 22.0	1.8		
			PMZ	m_B = 6.8		5.0	11.4
			S	19 59 49.0	0.9		
			LN	Ms = 6.7		15.0	97.5
TIA	28.9	349	P	19 55 41.9	−1.2		
			PMZ			13.5	2.97
			PcP	19 58 53.8	2.2		
			S	20 00 31.0	1.6		
			LN	Ms = 6.6		17.0	62.7
			LE			17.0	60.6
XAN	29.4	335	+P	19 55 44.1	−3.8		
			PMZ	m_B = 6.7		8.0	12.6
			S	20 00 35.0	−2.8		
			SMN			14.0	19.9
			SME			14.0	13.7
			LE	Ms = 6.8		14.0	113
CD2	29.5	324	+iP	19 55 49.3	0.3		
			PMZ	m_B = 6.6		4.0	4.50
			S	20 00 41.0	1.2		
			LE	Ms = 6.9		14.0	118
DL2	31.0	357	+iP	19 56 00.0	−2.0		
			PMZ	m_B = 6.0		6.0	1.76
			pP	19 56 07.0	−4.0		
			sP	19 56 11.0	−3.9		
			cS	20 00 56.4	−7.4		
			ScS	20 06 33.0	1.4		
			LN	Ms = 6.1		12.0	17.3
TIY	31.5	343	iP	19 56 05.5	−0.5		
			PMZ	m_B = 6.0		11.0	2.87
			PP	19 57 08.0	−1.7		
			PPMZ			9.0	4.09
			SMN			15.0	12.7
			LN	Ms = 6.7		20.0	109
BJI	32.8	349	cP	19 56 16.0	−1.5		
			PMZ	m_B = 6.1		10.0	2.93
			cPP	19 57 25.0	−2.0		
			cS	20 01 33.0	1.5		
			SMN			19.0	16.9
			LN	Ms = 6.5		20.0	59.2
LZH	33.4	330	iP	19 56 24.0	0.6		
			PMZ	m_B = 6.5		9.0	6.21
			PP	19 57 33.0	−2.3		
			PcP	19 59 04.0	0.4		
			cS	20 01 43.5	1.3		
			SMN			14.0	13.9
			LN	Ms = 6.7		15.0	64.2
SNY	33.9	360	+iP	19 56 26.0	−1.0		
			PMZ			15.0	5.28
			PP	19 57 41.0	0.7		
			S	20 01 42.5	−5.2		
			LN	Ms = 6.6		17.5	64.7
HHC	34.6	344	P	19 56 34.0	0.6		
			PMZ	m_B = 6.2		8.0	3.30

			S	20 02 04.0	4.9		
			LN	Ms=6.8		19.0	104
BTO	34.8	342	+iP	19 56 35.0	−0.3		
			PMZ	m_B=6.3		7.0	3.20
			PP	19 57 59.0	6.3		
			PPMZ			12.0	11.2
			PcP	19 59 10.0	2.4		
			S	20 02 03.0	0.5		
			SMN	m_B=6.3		12.0	7.20
			SME			12.0	2.10
			LN	Ms=6.7		15.0	65.0
			LZ	Ms=6.6		15.0	56.9
CN2	35.9	2	+iP	19 56 43.0	−1.2		
			PMZ	m_B=6.2		7.0	3.00
			PP	19 58 04.0	−1.6		
			PPMZ			10.0	10.4
			cS	20 02 16.0	−3.7		
			SS	20 04 38.0	−3.7		
			LN	Ms=6.7		14.0	15.3
			LE			14.0	51.5
MDJ	37.0	7	cP	19 56 53.0	−0.9		
			S	20 02 35.0	−1.4		
			LE	Ms=6.7		15.0	59.7
LSA	37.5	310	iP	19 56 59.0	1.2		
			PMZ	m_B=6.7		5.5	7.64
			iPP	19 58 23.0	−2.4		
			iS	20 02 48.0	3.5		
GTA	38.0	330	+iP	19 57 03.5	1.1		
			PMZ	m_B=6.4		6.5	3.89
			PP	19 58 29.5	−2.8		
			S	20 02 54.4	2.9		
			SMN			14.0	12.6
			LE	Ms=6.6		17.5	49.1
WMQ	47.6	325	+iP	19 58 21.0	0.7		
			PMZ	m_B=6.7		6.0	6.43
			PcP	19 59 49.5	0.3		
			PP	20 00 09.0	−1.5		
			S	20 05 15.0	3.0		
			LE	Ms=6.7		20.0	49.1
KSH	53.0	314	+iP	19 59 03.0	2.0		
			PMZ	m_B=6.8		5.0	6.30
			PP	20 01 04.0	2.7		
			S	20 06 32.0	6.2		
			LE	Ms=6.9		16.0	58.6

1985 3 18

O=22 48 47.5 ± 0.10s
LAT= 7.92 N ± 1.41km
LONG=123.49 E ± 1.45km
DEPTH= 32 km ± 0.06km

STATIONS USED = 22, STAND DEV= 1.78s

QZN	17.2	311	cP	22 52 50.8	3.0		
GYA	24.4	321	cP	22 54 05.3	0.7		
KMI	26.2	313	−P	22 54 22.5	1.0		
XAN	29.3	335	cP	22 54 46.8	−2.5		
CD2	29.4	321	cP	22 54 49.1	−1.2		
BJI	32.6	350	cP	22 55 17.0	−2.1		
GTA	37.9	330	cP	22 56 06.0	2.2		
WMQ	47.5	325	cP	22 57 21.6	−0.2		

1985 3 19

O=04 01 06.6 ± 0.16s
LAT=33.17 S ± 2.20km
LONG= 71.56 W ± 1.18km
DEPTH= 33 km ± 1.33km
STATIONS USED =102, STAND DEV= 1.32s
Ms=6.9 / 48, m_B=6.2 / 14

KSH	153.2	67	cPKP	04 20 54.0	−0.7		
			PKP_2	04 21 15.0			
			LE	Ms=7.1		19.0	22.5
MDJ	160.0	311	cPKP	04 21 01.5	−1.9		
			PKP_2	04 21 43.0			
			PP	04 25 26.0	−0.7		
			PKS	04 24 30.0			
			LE	Ms=6.9		24.0	17.3
WMQ	160.6	51	PKP	04 21 04.0	−0.1		
			PKP_2	04 21 48.0			
			PP	04 25 29.5	−1.1		
CN2	163.0	314	PKP	04 21 04.0	−2.3		
			PKP_2	04 21 54.0			
			PP	04 25 39.0	−3.6		
			LE	Ms=6.9		19.0	15.1
LSA	164.8	99	cPKP	04 21 10.0	1.3		
			PKP_2	04 22 07.5			
			PP	04 25 53.0	0.2		
			PPMZ	m_B=6.5		9.0	4.67
SNY	165.2	310	cPKP	04 21 06.0	−2.5		
			PKP_2	04 22 04.0			
			PP	04 25 51.0	−3.7		
			PPMZ			15.0	4.00
			LN	Ms=7.1		19.0	20.4
			LE			18.0	4.45
QZN	165.9	185	cPKP	04 21 06.0	−3.1		
			PKP_2	04 22 08.0			
			PP	04 25 53.5	−4.4		
			LN	Ms=7.0		20.5	17.1
			LE			21.0	11.5
DL2	167.9	302	PKP	04 21 09.0	−1.5		
			pPKP	04 21 19.0	−0.9		
			sPKP	04 21 23.0			

			PKP_2	04 22 20.0			
			PP	04 26 09.0	0.9		
			PPMZ	$m_B = 6.1$		11.0	2.29
			LN	Ms = 7.0		19.0	13.6
			LE			19.0	11.0
QZH	167.9	230	+PKP	04 21 10.0	−0.5		
			PKP_2	04 22 18.0			
			PP	04 26 05.0	−3.2		
			LN	Ms = 6.9		20.0	12.9
			LE			20.0	5.20
SSE	169.0	263	PKP	04 21 10.0	−1.1		
			PKP_2	04 22 30.0			
			PP	04 26 20.0	6.4		
			SKS	04 28 14.0	5.6		
			LN	Ms = 7.0		20.0	15.3
			LE			20.0	9.45
GZH	169.1	205	cPKP	04 21 10.0	−1.2		
			PKP_2	04 22 25.5			
			SS	04 47 07.0	3.7		
			LN	Ms = 6.8		19.0	5.53
			LE			19.0	10.7
KMI	170.6	147	+PKP	04 21 12.0	−0.3		
			sPKP	04 21 26.5			
			PKP_2	04 22 31.5			
			PP	04 26 20.0	−1.4		
			PPMZ	$m_B = 6.5$		7.0	3.24
			SS	04 47 17.0	−0.6		
			LN	Ms = 7.0		20.0	23.9
GTA	170.7	46	+PKP	04 21 12.8	0.5		
			PKP_2	04 22 32.0			
			PP	04 26 21.6	−0.3		
			SS	04 47 17.0	−1.4		
			LE	Ms = 7.0		21.0	22.6
BJI	170.7	320	cPKP	04 21 12.0	−0.2		
			PKP_2	04 22 33.0			
			cPP	04 26 21.0	−1.3		
			PPMZ	$m_B = 6.0$		12.0	1.82
			LN	Ms = 6.8		19.0	14.2
NJ2	171.1	266	PKP	04 21 12.5	0.1		
			PKP_2	04 22 35.0			
			PP	04 26 29.5	5.2		
			PPMZ	$m_B = 6.3$		10.0	3.20
			LZ	Ms = 5.3		22.0	0.50
HHC	171.9	343	+PKP	04 21 13.0	−0.1		
			PKP_2	04 22 36.0			
			PP	04 26 24.0	−4.3		
			PPMZ	$m_B = 6.2$		9.0	2.39
			SS	04 47 27.0	−4.0		
			LN	Ms = 6.7		21.0	11.8
			LZ	Ms = 7.1		20.0	30.0
TIA	172.2	295	PKP	04 21 12.3	−0.8		
			PKP_2	04 22 39.0			
			PP	04 26 32.0	2.3		
			PPMZ	$m_B = 6.2$		9.0	2.27
			LN	Ms = 6.9		20.0	17.6
			LE			20.0	7.88
BTO	172.5	351	PKP	04 21 13.0	−0.4		
			PKP_2	04 22 35.0			
			PKS	04 24 42.0			
			PP	04 26 26.0	−5.0		
			PPMZ	$m_B = 6.3$		10.0	3.30
			LN	Ms = 7.2		19.0	23.4
			LE			19.0	26.3
			LZ	Ms = 7.0		19.0	22.0
GYA	173.1	167	PKP	04 21 13.0	−0.7		
			sPKP	04 21 38.0			
			PKP_2	04 22 40.0			
			PP	04 26 30.0	−4.3		
			SS	04 47 43.0	0.1		
			LN	Ms = 6.7		20.0	12.6
			LE			20.0	4.20
			LZ	Ms = 6.8		20.0	17.6
WIIN	174.3	244	PKP	04 21 14.0	0.1		
			pPKP	04 21 24.0	0.7		
			PKP_2	04 22 49.0			
			PP	04 26 41.0	0.7		
			PPMZ	$m_B = 6.2$		10.0	2.87
			LN	Ms = 6.9		19.0	14.2
			LE			19.0	16.8
TIY	174.4	325	iPKP	04 21 14.0	0.0		
			PP	04 26 39.0	−1.7		
			PPMZ	$m_B = 6.2$		12.0	3.01
LZH	175.2	51	PKP	04 21 14.0	−0.3		
			PKP_2	04 22 50.0			
			cPP	04 26 40.0	−4.7		
			LN	Ms = 6.9		20.0	13.4
			LE			21.0	23.8
CD2	175.4	118	iPKP	04 21 14.6	0.3		
			PKP_2	04 22 52.5			
			iPP	04 26 44.0	−1.8		
			PPMZ			22.0	17.2
			LZ	Ms = 7.0		18.0	31.4
XAN	179.0	335	PKP	04 21 14.0	−0.9		
			PKP_2	04 23 06.0			
			LN	Ms = 6.6		18.0	14.8
			LE			18.0	15.4

1985 3 19

O = 10 28 38.0 ± 0.15s

LAT = 18.49 S ± 6.47km

LONG= 63.51 W ± 4.65km
DEPTH= 32 km ± 0.85km
STATIONS USED = 55, STAND DEV= 2.32s
Ms=5.7/ 5,

KSH	139.3	50	cPKP	10 48 11.0	7.8		
			PP	10 51 02.0	2.2		
			LE	Ms=5.8		15.0	0.83
WMQ	145.0	37	iPKP	10 48 13.0	−0.2		
			pPKP	10 48 23.5	1.1		
MDJ	151.7	340	cPKP	10 48 23.0	−0.9		
CN2	153.7	345	PKP	10 48 23.0	−3.6		
LSA	154.4	59	cPKP	10 48 28.5	0.4		
GTA	154.6	31	PKP	10 48 28.5	0.4		
			PKP_2	10 48 52.0			
SNY	156.0	347	cPKP	10 48 28.6	−1.0		
			PKP_2	10 48 56.0			
			PP	10 52 32.0	−4.8		
			LN	Ms=5.7		24.0	1.03
BJI	158.5	1	cPKP	10 48 32.5	−0.5		
DL2	159.2	349	cPKP	10 48 33.9	0.1		
TIY	160.5	10	cPKP	10 48 35.?	0.0		
TIA	162.3	358	PKP	10 48 38.0	0.9		
			PP	10 53 06.5	−4.2		
			LN	Ms=5.6		15.0	0.40
			LE			15.0	0.48
CD2	163.1	41	cPKP	10 48 39.0	1.1		
XAN	163.1	22	cPKP	10 48 38.4	0.5		
KMI	165.6	60	−PKP	10 48 41.5	0.9		
SSE	166.7	342	PKP	10 48 40.0	−1.2		
			PKP_2	10 49 40.0			
			PP	10 53 28.0	−5.7		
			LN	Ms=5.4		28.0	0.70
WHN	167.8	9	cPKP	10 48 43.5	1.7		
GYA	167.9	47	PKP	10 48 42.4	0.3		
			PP	10 53 40.0	0.3		
QZN	173.7	84	cPKP	10 48 42.0	−3.1		
			cPP	10 54 06.0	−2.4		

1985 3 19
O=16 25 13.7 ± 0.08s
LAT=35.93 N ± 1.09km
LONG= 70.43 E ± 0.98km
DEPTH=103 km ± 0.50km
STATIONS USED = 21, STAND DEV= 1.81s
M_L=5.1/ 1,

KSH	5.6	50	cP	16 26 41.0	4.3		
			S	16 27 43.0	2.7		
			LN			2.0	0.99
WMQ	15.4	54	+P	16 28 45.0	−1.8		
			S	16 31 29.6	−4.6		
LSA	18.5	104	iP	16 29 25.3	0.7		
GTA	23.5	73	P	16 30 17.9	2.8		

1985 3 19
O=20 25 37.9 ± 0.09s
LAT=24.79 N ± 1.21km
LONG=122.10 E ± 0.91km
DEPTH= 80 km ± 0.86km
STATIONS USED = 24, STAND DEV= 1.70s
M_L=3.9/ 8,

QZH	3.2	273	−iP	20 26 28.7	1.5		
			S	20 26 58.6	−5.4		
			SMN	M_L=3.7		0.3	0.32
			SME			0.3	0.25
GZH	8.2	260	eP	20 27 35.0	−1.1		
			SMN	M_L=4.1		0.6	0.050
			SME			0.5	0.050
WHN	8.9	312	eP	20 27 46.0	−0.5		
			SMZ	M_L=4.3		1.2	0.040
GYA	14.0	280	eP	20 28 57.0	2.6		
XAN	14.7	312	eP	20 29 04.4	1.1		
BJI	16.0	343	eP	20 29 18.0	−1.6		
CD2	17.3	295	P	20 29 36.8	0.7		
KMI	17.6	275	+P	20 29 39.0	−0.3		
CN2	19.2	7	−P	20 29 58.3	0.5		

1985 3 20
O=02 46 23.3 ± 0.07s
LAT=33.37 S ± 1.07km
LONG= 71.64 W ± 1.36km
DEPTH= 27 km ± 0.53km
STATIONS USED = 25, STAND DEV= 1.08s

KSH	153.3	68	cPKP	03 06 11.0	−1.5
LSA	164.9	99	PKP	03 06 24.1	−2.2
GTA	170.8	46	PKP	03 06 31.4	1.4
TIA	172.3	294	cPKP	03 06 30.3	−0.4
GYA	173.0	167	cPKP	03 06 33.0	1.8
XAN	179.2	325	cPKP	03 06 32.0	−0.4

1985 3 20
O=05 53 48.5 ± 0.16s
LAT=36.03 N ± 0.90km
LONG=139.93 E ± 1.54km
DEPTH= 66 km ± 1.08km
STATIONS USED = 33, STAND DEV= 1.78s

MDJ	11.6	321	eP	05 56 36.0	1.8
CN2	13.5	309	eP	05 57 04.0	4.6
DL2	14.8	287	eP	05 57 19.0	3.1
TIA	18.4	277	eP	05 57 59.3	−1.7
XAN	25.4	275	−P	05 59 10.0	−2.0

GYA	29.9	261	P	05 59 51.0	−1.5	
CD2	30.5	271	P	05 59 55.6	−2.2	
GTA	31.7	288	P	06 00 08.5	−0.4	
WMQ	40.2	298	eP	06 01 21.0	0.1	

1985 3 20
O=07 07 33.6 ± 0.06s
LAT=20.07 N ± 0.59km
LONG=110.24 E ± 0.66km
DEPTH= 11 km ± 0.37km
STATIONS USED = 6, STAND DEV= 2.54s
M_L=3.8/ 5,

QZN	1.1	200	Pn	07 07 54.6	−0.7		
			Pg	07 07 56.3	3.2		
			Sg	07 08 12.6	4.4		
			Sn	07 08 10.0	−2.2		
GZH	4.2	43	+Pn	07 08 38.4	0.9		
			iPg	07 08 50.1	2.9		
			iSg	07 09 42.4	−1.8		
			SMN	M_L=3.8		0.9	0.15
			SME			0.9	0.22
GYA	7.2	333	Pg	07 09 41.4	1.2		
			SMN	M_L=4.0		1.0	0.050
			SME			1.0	0.070
KMI	8.6	307	eP	07 09 42.0	1.2		

1985 3 20
O=13 54 49.6 ± 0.16s
LAT=20.78 N ± 1.87km
LONG=101.71 E ± 1.58km
DEPTH= 9 km ± 0.08km
STATIONS USED = 74, STAND DEV= 2.27s
Ms=5.0/32, M_L=5.2/ 7,

KMI	4.4	12	Pn	13 56 01.0	3.6		
			Pg	13 56 14.0	6.3		
			Sg	13 57 13.0	4.8		
			SMN			3.0	6.80
			SME			3.0	8.70
			LN	Ms=4.9		7.0	8.53
			LE			7.0	10.4
GYA	7.3	38	Pn	13 56 37.4	1.3		
			Sg	13 58 42.6	5.9		
			SMN	M_L=5.0		1.2	0.12
			SME			1.2	1.15
			LN	Ms=5.5		4.0	9.90
			LE			4.0	11.3
			LZ	Ms=5.1		4.0	6.50
QZN	7.8	101	iP	13 56 46.9	0.1		
			eS	13 58 18.0	1.5		
			LN	Ms=4.5		9.0	3.16
CD2	10.3	10	eP	13 57 18.3	−1.9		
			LE	Ms=5.1		6.0	4.60
GZH	11.0	76	+iP	13 57 30.0	−0.9		
			S	13 59 34.0	−1.2		
			LN	Ms=4.9		5.0	2.13
			LZ	Ms=5.0		7.0	4.20
LSA	13.0	315	+P	13 57 57.8	−0.7		
			eS	14 00 26.0	0.9		
			LN	Ms=4.2		11.0	0.87
XAN	14.7	24	eP	13 58 15.0	−4.5		
			LN	Ms=5.3		13.0	4.41
			LE			13.0	9.24
WHN	15.0	47	eP	13 58 19.0	−4.3		
			LN	Ms=5.3		10.0	5.88
			LE			10.0	5.25
LZH	15.4	7	eP	13 58 32.0	3.3		
			PMZ			1.5	0.12
			LE	Ms=4.8		8.0	1.92
QZH	16.1	72	eP	13 58 40.0	2.0		
GTA	18.6	355	P	13 59 12.3	2.3		
			LE	Ms=5.0		10.0	2.51
TIY	19.3	27	eP	13 59 17.0	−0.4		
			S	14 02 57.0	8.7		
			LN	Ms=5.2		11.0	2.67
			LE			12.0	3.57
SSE	20.3	56	eP	13 59 30.8	2.4		
			eS	14 03 13.0	2.1		
			LN	Ms=5.5		14.0	7.17
			LE			14.0	4.72
TIA	20.4	38	+P	13 59 29.6	−0.7		
BTO	21.0	18	−iP	13 59 35.3	−0.7		
			eS	14 03 19.0	−6.2		
			LN	Ms=5.0		9.0	1.90
			LE			9.0	0.70
			LZ	Ms=4.8		9.0	1.20
HHC	21.7	21	eP	13 59 46.5	3.4		
			eS	14 03 45.0	6.4		
			LE	Ms=5.0		10.0	2.09
BJI	22.8	30	eP	13 59 54.5	0.1		
			eS	14 03 58.0	−1.3		
			LN	Ms=4.7		10.0	0.84
WMQ	25.8	336	P	14 00 25.5	2.7		
SNY	27.9	36	eP	14 00 44.3	1.6		
KSH	28.9	316	eP	14 00 51.0	0.0		
			LN	Ms=5.0		17.0	2.10
CN2	30.3	35	−P	14 01 02.0	−1.7		
			sP	14 01 09.0	−2.9		
			eS	14 05 56.0	−6.6		
			LN	Ms=5.0		12.0	1.10
			LE			12.0	0.90

1985 3 20
O=23 54 38.9 ± 0.05s
LAT=56.46 N ± 1.30km
LONG= 34.48 W ± 0.80km
DEPTH= 10 km ± 0.13km
STATIONS USED = 26, STAND DEV= 1.10s

WMQ	68.9	41	P	24 05 46.0	−0.8		
GTA	77.0	35	P	24 06 33.8	−0.6		
CN2	78.7	15	eP	24 06 42.8	−1.0		
BTO	78.8	27	eP	24 06 44.0	−0.2		
SNY	80.3	16	eP	24 06 51.3	−1.4		
BJI	80.7	22	P	24 06 54.0	−0.6		
TIA	84.6	23	eP	24 07 14.8	0.1		
CD2	86.0	35	P	24 07 22.0	0.1		
GYA	91.1	34	P	24 07 46.2	0.2		

1985 3 21
O=07 48 39.9 ± 0.29s
LAT= 6.06 N ± 4.43km
LONG= 94.65 E ± 2.54km
DEPTH= 34 km ± 0.25km
STATIONS USED = 46, STAND DEV= 2.29s
Ms=4.9/ 7,

QZN	19.6	48	eP	07 53 05.5	−3.1		
			LN	Ms=5.0		16.0	2.88
			LE			16.0	1.95
KMI	20.5	21	eP	07 53 18.5	0.6		
			pP	07 53 26.0	−0.4		
			eS	07 56 57.0	−4.0		
			LN	Ms=4.6		12.0	1.05
GYA	23.3	28	P	07 53 46.0	−0.1		
			S	07 58 00.0	8.3		
			LN	Ms=5.0		13.0	1.30
			LE			13.0	1.50
LSA	23.7	352	eP	07 53 50.6	−0.1		
CD2	26.2	18	eP	07 54 11.1	−2.2		
XAN	30.8	24	eP	07 54 52.0	−3.3		
LZH	31.1	15	eP	07 54 57.0	−0.5		
GTA	33.5	7	eP	07 55 16.7	−2.4		
TIY	35.4	25	eP	07 55 35.2	−0.1		
			eS	08 01 08.5	1.1		
			LN	Ms=4.9		12.0	0.87
TIA	36.4	31	eP	07 55 43.0	−0.5		
			eS	08 01 18.0	−4.3		
			LN	Ms=4.9		12.0	0.38
			LE			12.0	0.60
BTO	37.0	20	eP	07 55 49.0	0.0		
KSH	37.3	336	eP	07 55 53.0	2.1		
WMQ	38.1	352	eP	07 55 57.4	−0.5		
BJI	39.0	27	eP	07 56 07.0	2.0		
			LE	Ms=4.6		11.0	0.35
DL2	40.8	33	eP	07 56 25.0	4.9		
SNY	43.9	31	eP	07 56 46.6	0.8		
CN2	46.3	31	eP	07 57 04.0	−0.7		
MDJ	49.0	33	eP	07 57 25.5	−0.6		

1985 3 21
O=08 18 38.2 ± 0.21s
LAT= 6.36 N ± 3.43km
LONG= 94.86 E ± 2.35km
DEPTH= 33 km ± 0.33km
STATIONS USED = 58, STAND DEV= 2.22s
Ms=5.0/ 9,

QZN	19.3	48	eP	08 23 03.0	0.0		
			PP	08 23 19.0	−0.9		
			S	08 26 28.5	−4.0		
			sS	08 26 43.0	−2.3		
			LN	Ms=5.1		15.0	4.27
			LE			15.0	2.29
KMI	20.1	21	eP	08 23 13.0	0.4		
			pP	08 23 21.0	0.2		
			eS	08 26 47.0	−5.4		
			LE	Ms=4.9		10.0	1.78
GYA	22.9	28	P	08 23 42.0	1.1		
			S	08 27 53.0	9.3		
			LN	Ms=5.0		14.0	1.30
			LE			14.0	2.30
LSA	23.5	352	eP	08 23 45.0	−1.5		
CD2	25.8	18	+iP	08 24 07.7	−0.8		
			eS	08 28 37.0	3.4		
WHN	30.2	35	P	08 24 50.5	2.2		
XAN	30.5	23	+P	08 24 48.4	−2.1		
LZH	30.7	14	eP	08 24 51.0	−1.9		
			PMZ			1.5	0.070
GTA	33.2	7	eP	08 25 13.1	−1.6		
			LE	Ms=4.7		10.0	0.44
TIY	35.1	25	eP	08 25 29.0	−1.6		
			S	08 30 51.0	−8.3		
TIA	36.0	31	eP	08 25 42.2	3.4		
BTO	36.7	19	eP	08 25 44.4	0.0		
KSH	37.1	335	eP	08 25 51.0	3.3		
HHC	37.4	21	eP	08 25 52.1	1.3		
WMQ	37.8	352	eP	08 25 52.5	−1.5		
BJI	38.6	27	eP	08 26 01.0	0.7		
			LE	Ms=4.9		12.0	0.66
DL2	40.4	33	eP	08 26 18.0	2.6		
			LN	Ms=4.8		15.0	0.64
SNY	43.6	31	eP	08 26 42.9	1.7		
CN2	45.9	31	eP	08 26 59.0	−1.2		

MDJ	48.7	33	eP	08 27 20.0	−1.6

1985 3 21
O = 15 41 25.5 ± 0.08s
LAT = 29.22 N ± 1.00km
LONG = 141.80 E ± 2.23km
DEPTH = 34 km ± 0.33km
STATIONS USED = 15, STAND DEV = 1.16s

MDJ	18.2	331	eP	15 45 37.0	−0.1
CN2	19.6	322	eP	15 45 52.4	−1.0
BJI	23.6	304	P	15 46 33.5	−1.0
XAN	28.3	288	eP	15 47 18.2	−0.5
GYA	31.1	273	eP	15 47 44.0	0.3
GTA	35.9	298	eP	15 48 24.2	−0.4

1985 3 21
O = 16 06 24.5 ± 0.20s
LAT = 2.39 S ± 2.54km
LONG = 134.19 E ± 0.80km
DEPTH = 68 km ± 3.05km
STATIONS USED = 16, STAND DEV = 1.37s

WHN	37.8	331	eP	16 13 37.5	0.9
GYA	39.1	319	eP	16 13 50.0	2.6
XAN	43.3	329	eP	16 14 21.8	−0.4
TIY	44.7	335	eP	16 14 31.9	−1.3
BJI	45.3	341	eP	16 14 37.0	−1.1
GTA	52.2	326	P	16 15 31.6	0.2
WMQ	62.0	324	P	16 16 40.0	−0.7

1985 3 21
O = 16 16 34.0 ± 0.12s
LAT = 1.48 N ± 1.19km
LONG = 126.20 E ± 1.74km
DEPTH = 43 km ± 1.05km
STATIONS USED = 49, STAND DEV = 1.53s

QZN	23.7	318	eP	16 21 45.4	2.5	
			eS	16 25 57.5	6.0	
GZH	24.8	331	eP	16 21 55.0	0.9	
GYA	31.1	325	P	16 22 52.8	1.4	
			PcP	16 25 45.8	0.8	
KMI	32.6	318	eP	16 23 05.0	0.4	
TIA	35.6	347	eP	16 23 28.5	−1.1	
			PcP	16 25 58.3	0.9	
CD2	36.2	326	eP	16 23 33.3	−1.5	
XAN	36.2	335	eP	16 23 33.0	−2.0	
DL2	37.5	354	eP	16 23 45.2	−0.5	
TIY	38.2	342	eP	16 23 52.8	0.8	
BJI	39.4	348	eP	16 24 01.0	−1.1	
LZH	40.2	331	eP	16 24 08.5	0.1	
			PMZ		1.5	0.070
SNY	40.2	357	eP	16 24 08.4	−0.2	
BTO	41.6	341	eP	16 24 20.6	0.5	
CN2	42.1	359	eP	16 24 26.8	2.4	
MDJ	43.1	4	eP	16 24 33.5	1.6	
LSA	43.6	314	eP	16 24 36.0	−0.4	

1985 3 21
O = 18 39 14.4 ± 0.06s
LAT = 3.23 S ± 0.84km
LONG = 138.93 E ± 1.28km
DEPTH = 33 km ± 0.12km
STATIONS USED = 19, STAND DEV = 0.99s

KMI	45.0	311	eP	18 47 30.0	0.6
XAN	46.6	325	eP	18 47 42.0	0.1
CD2	47.7	318	P	18 47 51.8	1.4
BJI	47.9	336	eP	18 47 51.0	−0.5
CN2	48.4	347	+P	18 47 54.4	−1.1
BTO	51.0	332	eP	18 48 15.9	0.0
GTA	55.6	324	eP	18 48 50.5	0.5
WMQ	65.6	322	P	18 49 56.5	−1.1

1985 3 21
O = 23 54 05.7 ± 0.06s
LAT = 49.18 N ± 1.80km
LONG = 151.86 E ± 0.88km
DEPTH = 250 km ± 0.11km
STATIONS USED = 16, STAND DEV = 0.85s

MDJ	15.9	262	eP	23 57 37.0	−0.6
CN2	18.9	263	eP	23 58 08.0	−2.0
TIA	28.4	256	P	23 59 40.2	0.9

1985 3 22
O = 00 06 52.5 ± 0.09s
LAT = 40.02 N ± 0.84km
LONG = 118.71 E ± 0.38km
DEPTH = 7 km ± 0.03km
STATIONS USED = 5, STAND DEV = 1.39s
M_L = 2.7 / 4,

BJI	1.9	272	ePg	00 07 26.0	−0.9
			eSg	00 07 50.5	−3.0

1985 3 22
O = 06 14 08.8 ± 0.18s
LAT = 51.45 N ± 2.35km
LONG = 179.40 E ± 0.85km
DEPTH = 40 km ± 0.60km
STATIONS USED = 30, STAND DEV = 0.90s
Ms = 4.4 / 1,

CN2	36.4	280	eP	06 21 10.8	−1.2
SNY	38.7	278	+iP	06 21 31.0	0.4

			PP	06 23 06.0	2.9	
			eS	06 27 18.0	−6.3	
			LE	Ms=4.4	18.0	0.35
DL2	41.6	276	eP	06 21 54.5	−0.2	
BJI	44.3	281	eP	06 22 16.5	−0.2	
TIA	46.0	276	eP	06 22 30.8	−0.2	
BTO	47.7	285	eP	06 22 44.9	1.0	
TIY	48.0	281	eP	06 22 46.8	0.4	
XAN	52.5	280	eP	06 23 19.8	−1.2	
LZH	54.3	285	eP	06 23 34.0	−0.1	
GTA	54.5	291	+iP	06 23 35.5	−0.1	
WMQ	58.4	302	P	06 24 02.2	−0.9	
GYA	59.2	275	P	06 24 07.6	−1.4	

1985 3 22
O=10 15 33.4 ± 0.08s
LAT= 8.95 S ± 0.74km
LONG=110.54 E ± 0.90km
DEPTH= 83 km ± 0.79km
STATIONS USED = 20, STAND DEV= 1.25s

GYA	35.4	354	eP	10 22 25.6	2.0
CD2	40.2	351	P	10 23 03.4	0.1
XAN	42.8	358	eP	10 23 22.2	−2.6
BJI	49.0	6	eP	10 24 13.5	−0.7
GTA	49.1	349	P	10 24 16.0	0.8
CN2	54.2	13	eP	10 24 52.5	−0.8

1985 3 22
O=12 38 02.6 ± 0.09s
LAT= 6.45 S ± 1.25km
LONG=106.19 E ± 0.51km
DEPTH=113 km ± 0.79km
STATIONS USED = 18, STAND DEV= 1.13s

GYA	32.7	1	eP	12 44 28.4	1.4
XAN	40.3	4	eP	12 45 31.4	0.3
GTA	46.0	353	+iP	12 46 17.7	0.7
			PcP	12 47 53.0	1.5
CN2	53.0	17	+P	12 47 09.3	−0.9
			PcP	12 48 17.6	0.8

1985 3 22
O=14 02 47.9 ± 0.14s
LAT=18.59 S ± 2.37km
LONG= 63.57 W ± 2.48km
DEPTH= 33 km ± 0.65km
STATIONS USED = 67, STAND DEV= 1.67s

KSH	139.4	51	ePKP	14 22 13.0	−0.2
WMQ	145.1	38	iPKP	14 22 23.0	−0.2
MDJ	151.8	340	ePKP	14 22 33.5	−0.3
CN2	153.7	345	PKP	14 22 35.4	−1.1
			PKP_2	14 22 55.2	
LSA	154.5	60	ePKP	14 22 37.4	−0.6
GTA	154.8	31	PKP	14 22 38.7	0.7
SNY	156.0	347	PKP	14 22 39.4	−0.1
			PKP_2	14 23 06.8	
BTO	157.4	13	ePKP	14 22 41.9	0.4
BJI	158.6	1	ePKP	14 22 43.0	0.1
DL2	159.3	348	ePKP	14 22 40.4	−3.2
LZH	159.3	30	ePKP	14 22 45.0	1.1
TIY	160.6	10	ePKP	14 22 45.8	0.6
			PKP_2	14 23 27.5	
TIA	162.4	358	PKP	14 22 48.0	1.1
			PKP_2	14 23 34.6	
			PP	14 27 16.7	−4.2
CD2	163.2	41	ePKP	14 22 49.2	1.5
XAN	163.2	22	PKP	14 22 48.2	0.4
KMI	165.7	60	PKP	14 22 51.0	0.6
			PKP_2	14 23 49.0	
			ePP	14 27 37.0	−1.4
WHN	167.9	9	ePKP	14 22 53.0	1.4
			PKP_2	14 23 59.0	
GYA	168.1	47	PKP	14 22 53.0	1.1
			PKP_2	14 24 00.0	
QZN	173.8	85	ePKP	14 22 55.0	0.1
			ePP	14 28 21.0	2.5

1985 3 22
O=14 24 19.5 ± 0.12s
LAT= 1.23 N ± 1.52km
LONG=126.29 E ± 2.15km
DEPTH= 31 km ± 0.30km
STATIONS USED = 28, STAND DEV= 1.81s

QZN	23.9	319	eP	14 29 34.9	2.9
GYA	31.4	325	P	14 30 41.0	0.6
KMI	32.9	318	+P	14 30 54.0	0.5
CD2	36.4	326	P	14 31 23.0	−0.7
XAN	36.5	335	eP	14 31 21.0	−3.0
DL2	37.7	354	eP	14 31 36.0	1.3
BJI	39.7	348	eP	14 31 51.0	−0.1
SNY	40.5	357	eP	14 31 57.0	−0.5
CN2	42.4	359	eP	14 32 17.7	4.5
MDJ	43.3	3	eP	14 32 20.0	−0.7
LSA	43.8	314	eP	14 32 23.2	−1.9
GTA	45.0	331	eP	14 32 34.5	−0.2
WMQ	54.5	326	P	14 33 46.5	−0.9
KSH	59.5	316	eP	14 34 21.0	−1.7

1985 3 22
O=14 42 58.1 ± 0.10s
LAT= 6.63 S ± 1.75km

LONG = 105.34 E ± 1.71km
DEPTH = 72 km ± 0.57km
STATIONS USED = 114, STAND DEV = 1.35s
Ms = 6.3 / 50, m_B = 6.1 / 38

QZN	25.9	10	+P	14 48 25.0	−0.1		
			PMZ	m_B = 6.1		11.0	5.05
			sP	14 48 49.0	−1.7		
			S	14 52 44.0	−2.9		
			SMN	m_B = 5.9		10.5	4.10
			LN	Ms = 6.5		16.0	70.3
			LE			16.0	36.3
GZH	30.5	15	+P	14 49 08.0	0.8		
			PMZ	m_B = 5.9		8.0	1.91
			S	14 54 09.0	7.2		
			LN	Ms = 6.1		20.0	20.9
			LE			20.0	16.5
KMI	31.7	355	+P	14 49 17.5	0.3		
			PMZ	m_B = 6.0		8.0	1.91
			sP	14 49 44.0	1.1		
			PP	14 50 23.0	−0.4		
			eS	14 54 20.0	−0.6		
			sS	14 54 53.0	3.5		
			SS	14 56 13.0	−0.4		
			LN	Ms = 6.6		14.0	60.7
GYA	32.9	2	P	14 49 28.0	−0.1		
			PMZ	m_B = 6.0		8.0	2.10
			PcP	14 52 14.0	3.6		
			LN	Ms = 6.2		15.0	10.4
			LE			15.0	18.2
QZH	33.9	22	+P	14 49 36.0	−0.6		
			PMZ	m_B = 6.1		8.0	2.30
			PP	14 50 56.0	4.5		
			S	14 54 56.0	1.5		
			LN	Ms = 6.0		14.0	3.88
			LE			14.0	12.4
CD2	37.4	358	eP	14 50 05.2	−0.6		
			PP	14 51 33.0	−0.8		
			LZ	Ms = 6.3		13.0	21.7
WHN	38.0	13	+P	14 50 10.0	−0.7		
			PMZ	m_B = 6.3		8.0	3.64
			S	14 56 03.0	6.8		
			SMN	m_B = 6.1		8.0	3.03
			LN	Ms = 6.2		17.0	19.9
LSA	38.6	340	+P	14 50 15.6	−1.0		
			PMZ	m_B = 5.9		9.0	1.85
			PP	14 51 48.5	−0.2		
			PcP	14 52 30.0	2.8		
			iS	14 56 07.5	−0.5		
			LN	Ms = 6.1		20.0	16.6
SSE	40.5	21	+P	14 50 32.0	0.6		
			PMZ	m_B = 6.2		9.0	3.24
			pP	14 50 52.0	3.1		
			PP	14 52 08.0	−0.8		
			ScP	14 56 12.0	−2.6		
			PcS	14 56 19.5	−2.8		
			S	14 56 40.0	6.1		
			ScS	15 00 28.0	0.6		
			LN	Ms = 6.4		24.0	22.1
			LE			24.0	30.1
NJ2	40.6	18	+P	14 50 33.5	1.2		
			PMZ	m_B = 6.2		7.0	2.50
			pP	14 50 50.0	0.3		
			PP	14 52 11.0	1.4		
			PcP	14 52 33.5	0.0		
			S	14 56 41.0	5.6		
			LE	Ms = 6.1		12.0	9.70
XAN	40.6	5	+P	14 50 31.8	−0.8		
			PMZ	m_B = 6.1		9.0	2.41
			S	14 56 37.0	1.3		
			SMN	m_B = 5.9		8.0	1.86
			LN	Ms = 6.6		15.0	34.2
			LE			15.0	20.9
LZH	42.5	358	eP	14 50 48.0	−0.5		
			PMZ	m_B = 6.1		9.0	2.59
			PcP	14 52 40.0	0.2		
			PcS	14 56 34.0	3.5		
			eS	14 57 03.0	−2.5		
			ScS	15 00 41.0	1.3		
			LN	Ms = 6.4		15.0	23.7
TIA	44.0	14	eP	14 51 00.4	−0.3		
			PMZ	m_B = 6.0		9.0	2.14
			S	14 57 31.0	4.8		
			SMN			13.0	2.17
			ScS	15 00 54.4	5.3		
			LN	Ms = 6.3		18.0	19.2
			LZ	Ms = 6.3		18.0	23.7
TIY	44.6	8	+iP	14 51 05.0	−0.4		
			PMZ	m_B = 6.3		7.0	2.97
			sP	14 51 32.5	0.9		
			PcP	14 52 46.5	−0.4		
			S	14 57 39.5	5.0		
			SMN	m_B = 5.9		9.0	1.75
			sS	14 58 06.5	0.6		
			ScS	15 00 58.0	5.3		
			LN	Ms = 6.5		16.0	32.1
GTA	46.1	354	+iP	14 51 17.6	0.3		
			PMZ	m_B = 6.1		7.0	1.84
			PcP	14 52 53.6	1.5		
			PP	14 53 06.0	0.0		
			S	14 58 00.0	4.1		

			SMN		$m_B=6.0$		9.0	1.60
			SME				9.0	1.45
			LN		Ms=6.5		20.0	33.4
BTO	47.2	5	+iP	14 51 25.0		−0.9		
			PMZ		$m_B=6.2$		7.0	2.40
			sP	14 51 55.0		2.9		
			PP	14 53 16.0		−0.9		
			PcS	14 56 52.0		2.3		
			S	14 58 11.0		−0.4		
			sS	14 58 43.0		0.0		
			LN		Ms=6.7		16.0	38.5
			LE				16.0	14.8
			LZ		Ms=6.6		16.0	33.9
BJI	47.5	11	eP	14 51 28.0		−0.2		
			PMZ		$m_B=6.2$		7.0	2.06
			PcP	14 52 58.5		1.4		
			cPP	14 53 16.0		−3.7		
			eS	14 58 17.0		0.2		
			SMN		$m_B=5.7$		12.0	1.37
			ScS	15 01 18.0		6.6		
			LN		Ms=6.4		19.0	25.4
HHC	47.6	6	+iP	14 51 30.0		1.0		
			PMZ		$m_B=6.2$		9.0	2.87
			PP	14 53 21.0		0.8		
			PcS	14 56 55.0		3.6		
			S	14 58 25.0		8.0		
			LN		Ms=6.5		16.0	24.5
DL2	47.8	17	+P	14 51 30.0		−0.2		
			PMZ		$m_B=6.2$		6.0	2.04
			epP	14 51 49.0		1.2		
			PcP	14 52 57.0		−1.0		
			PP	14 53 24.0		2.2		
			S	14 58 20.0		0.6		
			SMN		$m_B=5.8$		8.0	1.13
			LN		Ms=6.3		15.0	14.9
SNY	51.0	18	+iP	14 51 53.7		−1.6		
			PMZ		$m_B=6.2$		7.0	2.30
			PP	14 53 54.0		0.8		
			iS	14 59 06.0		0.1		
			SMN		$m_B=6.1$		9.0	2.00
			ScS	15 01 40.0		5.1		
			LE		Ms=6.3		21.0	19.2
WMQ	52.7	344	+iP	14 52 06.5		−1.4		
			PMZ		$m_B=6.4$		7.0	3.24
			pP	14 52 26.0		0.3		
			PcP	14 53 18.5		2.4		
			S	14 59 31.0		3.3		
			sS	15 00 04.0		4.3		
			LN		Ms=6.4		13.0	13.2
KSH	53.3	332	+iP	14 52 12.0		−0.5		
			iS	14 59 41.0		3.8		
			SME		$m_B=6.7$		7.0	6.87
			sS	15 00 10.0		2.1		
			LE		Ms=6.5		19.0	26.1
CN2	53.4	18	eP	14 52 11.4		−1.6		
			pP	14 52 30.0		−0.9		
			PcP	14 53 20.6		1.9		
			PP	14 54 12.5		−2.9		
			PPMZ				6.0	1.10
			ScP	14 57 12.0		3.7		
			PcS	14 57 18.0		1.9		
			S	14 59 35.0		−2.1		
			SMN		$m_B=6.3$		8.0	2.10
			SME				8.0	1.90
			ScS	15 01 54.0		2.7		
			SS	15 03 14.0		−2.9		
			LN		Ms=6.2		15.0	11.0
MDJ	55.5	21	+iP	14 52 27.0		−1.3		
			pP	14 52 46.0		−0.3		
			PcP	14 53 25.0		−1.7		
			S	15 00 07.0		1.7		
			LN		Ms=6.2		18.0	11.3

1985 3 22

O=18 06 51.1 ± 0.07s
LAT=56.75 N ± 1.47km
LONG= 34.47 W ± 0.87km
DEPTH= 10 km ± 0.02km
STATIONS USED = 27, STAND DEV= 0.99s

WMQ	68.7	41	P	18 17 58.0	0.2
GTA	76.7	35	P	18 18 45.0	−0.3
BTO	78.5	27	eP	18 18 55.0	−0.1
BJI	80.4	22	eP	18 19 04.0	−1.5
TIA	84.3	23	eP	18 19 25.4	−0.2
XAN	84.4	30	eP	18 19 25.0	−1.0
GYA	90.8	34	eP	18 19 58.0	0.8

1985 3 22

O=19 03 51.4 ± 0.20s
LAT= 7.61 N ± 1.95km
LONG=123.65 E ± 2.49km
DEPTH= 51 km ± 0.86km
STATIONS USED = 49, STAND DEV= 2.32s
Ms=4.6 / 14,

QZN	17.6	312	eP	19 08 01.1	6.6		
			LN	Ms=4.7		12.5	1.68
GZH	18.3	328	eP	19 08 04.5	1.0		
			LE	Ms=4.6		12.0	1.19
SSE	23.5	355	eP	19 09 03.6	6.0		
			LE	Ms=4.6		22.0	1.47

WHN	24.4	340	eP	19 09 08.0	1.2		
			LE	Ms=4.6		12.0	0.69
NJ2	24.7	350	eP	19 09 16.0	6.3		
			LE	Ms=4.5		17.0	0.90
GYA	24.7	321	P	19 09 11.0	1.0		
			LN	Ms=4.8		14.0	1.00
			LE			14.0	1.10
KMI	26.5	314	eP	19 09 26.5	0.0		
			eS	19 13 59.0	4.1		
			LE	Ms=4.2		16.0	0.35
TIA	29.1	349	eP	19 09 48.4	−1.4		
			S	19 14 41.0	5.6		
			LN	Ms=4.1		19.0	0.30
XAN	29.6	335	eP	19 09 52.3	−2.1		
			LE	Ms=4.9		12.0	1.10
CD2	29.7	324	eP	19 09 54.0	−1.5		
TIY	31.6	343	eP	19 10 11.1	−1.4		
			S	19 15 24.5	8.8		
			LN	Ms=4.9		15.0	0.91
			LE			15.0	0.86
BJI	33.0	349	eP	19 10 21.0	−3.0		
LZH	33.6	330	eP	19 10 27.5	−2.4		
			PMZ			1.5	0.050
SNY	34.1	360	eP	19 10 33.1	−0.4		
CN2	36.1	2	eP	19 10 52.0	1.3		
MDJ	37.2	7	eP	19 11 01.4	1.1		
LSA	37.6	310	P	19 11 04.1	0.3		
GTA	38.2	330	P	19 11 08.9	0.2		
WMQ	47.8	325	P	19 12 26.0	−0.4		

1985 3 22
O=19 33 28.3 ± 0.13s
LAT= 7.65 N ± 1.33km
LONG=123.50 E ± 1.25km
DEPTH= 42 km ± 0.79km
STATIONS USED = 28, STAND DEV= 1.72s

GYA	24.6	321	eP	19 38 41.0	−5.5		
KMI	26.4	314	eP	19 39 02.5	−0.5		
XAN	29.5	335	eP	19 39 32.0	0.8		
BJI	32.9	350	eP	19 40 02.0	0.9		
CN2	36.0	2	eP	19 40 31.0	3.0		
MDJ	37.2	7	eP	19 40 39.0	1.3		
LSA	37.5	310	eP	19 40 40.2	−0.2		
GTA	38.1	330	eP	19 40 47.2	1.7		

1985 3 23
O=13 45 22.6 ± 0.35s
LAT=34.20 S ± 3.44km
LONG= 72.06 W ± 2.86km
DEPTH= 60 km ± 2.87km

STATIONS USED = 59, STAND DEV= 2.34s
Ms=5.6/ 6,

KSH	154.0	69	+PKP	14 05 09.0	1.1		
			PKP_2	14 05 30.0			
			PP	14 09 04.0	−2.6		
MDJ	160.4	308	ePKP	14 05 15.0	−0.8		
WMQ	161.6	53	PKP	14 05 18.0	0.9		
			pPKP	14 05 26.5	−7.4		
			PKP_2	14 06 02.0			
			PP	14 09 46.0	−1.9		
			LZ	Ms=5.7		20.0	1.02
CN2	163.4	310	ePKP	14 05 17.0	−1.8		
LSA	165.1	103	PKP	14 05 16.0	−5.0		
			PKP_2	14 06 20.0			
			PP	14 10 10.0	3.9		
SNY	165.5	306	ePKP	14 05 15.9	−5.0		
			PP	14 10 10.0	1.6		
			LE	Ms=5.5		28.0	0.70
SSE	168.4	258	ePKP	14 05 27.0	4.1		
			PKP_2	14 06 40.0			
			LZ	Ms=5.8		20.0	1.16
KMI	169.9	152	PKP	14 05 25.0	1.0		
			PKP_2	14 06 48.0			
			LZ	Ms=5.4		28.0	0.78
NJ2	170.6	260	ePKP	14 05 22.0	−2.2		
BJI	171.2	314	ePKP	14 05 24.0	−0.6		
GTA	171.7	49	iPKP	14 05 26.4	1.4		
			PKP_2	14 06 49.1			
GYA	172.2	172	PKP	14 05 26.4	1.1		
			PKP_2	14 06 50.0			
TIA	172.2	288	PKP	14 05 25.3	0.1		
WHN	173.5	238	ePKP	14 05 27.0	1.1		
TIY	174.9	315	ePKP	14 05 26.4	0.1		
CD2	175.2	132	PKP	14 05 28.0	1.8		
			PKP_2	14 07 09.0			
LZH	176.2	60	ePKP	14 05 28.5	1.8		
XAN	179.2	259	PKP	14 05 27.4	0.4		
			PKP_2	14 07 23.0			

1985 3 23
O=14 36 59.1 ± 0.17s
LAT=33.18 S ± 1.78km
LONG= 72.18 W ± 1.35km
DEPTH= 47 km ± 1.43km
STATIONS USED = 68, STAND DEV= 1.31s
Ms=5.3/ 6,

KSH	153.7	67	PKP	14 56 47.0	1.2		
			PKP_2	14 57 09.0			
			PP	15 00 43.0	−0.3		
MDJ	159.6	310	ePKP	14 56 52.5	−0.8		

WMQ	161.1	50	iPKP	14 56 56.0	1.1		
			PKP_2	14 57 40.0			
			PP	15 01 23.0	−0.3		
CN2	162.6	313	PKP	14 56 53.8	−2.5		
LSA	165.4	99	PKP	14 57 00.7	1.2		
			PKP_2	14 57 59.8			
			PP	15 01 48.0	2.2		
GZH	168.8	207	PKP	14 57 02.0	0.6		
BJI	170.4	318	ePKP	14 57 02.5	0.1		
NJ2	170.6	266	ePKP	14 57 02.0	−0.5		
			LZ	Ms=5.3		20.0	0.40
KMI	170.8	150	PKP	14 57 04.0	1.1		
			PKP_2	14 58 21.0			
			LZ	Ms=5.4		28.0	0.78
GTA	171.0	44	PKP	14 57 04.0	1.1		
			PKP_2	14 58 24.5			
			LE	Ms=5.4		15.5	0.47
TIA	171.8	294	PKP	14 57 03.7	0.5		
			PP	15 02 14.0	−3.9		
			PPMZ			13.0	0.48
			LN	Ms=5.1		25.0	0.26
			LE			25.0	0.25
HHC	171.8	340	PKP	14 57 05.0	1.7		
BTO	172.4	347	ePKP	14 57 04.5	0.8		
GYA	173.2	171	PKP	14 57 04.8	0.7		
			PKP_2	14 58 32.0			
WHN	173.9	246	ePKP	14 57 05.0	0.7		
TIY	174.1	321	ePKP	14 57 04.6	0.1		
			PKP_2	14 58 33.5			
			PP	15 02 26.0	−3.6		
			LE	Ms=5.3		15.0	0.43
LZH	175.6	47	ePKP	14 57 06.5	1.7		
			PKP_2	14 58 46.0			
CD2	175.9	122	ePKP	14 57 06.3	1.5		
			PKP_2	14 58 44.0			
XAN	178.7	313	ePKP	14 57 06.0	0.8		
			PKP_2	14 58 56.0			
			PP	15 02 50.0	−1.9		

1985 3 23
O=21 35 12.4 ± 0.09s
LAT=52.72 N ± 1.39km
LONG=178.98 W ± 0.83km
DEPTH=238 km ± 0.48km
STATIONS USED = 81, STAND DEV= 0.86s

MDJ	34.3	277	eP	21 41 36.5	−1.8
CN2	37.2	279	−P	21 42 02.0	−1.0
			pP	21 42 53.6	1.9
SNY	39.5	278	iP	21 42 22.3	0.6
			S	21 48 02.0	−3.2
			sS	21 49 34.0	1.8
			LN		30.0 0.59
DL2	42.4	276	eP	21 42 46.3	0.4
BJI	45.0	281	eP	21 43 07.0	0.6
TIA	46.9	276	−P	21 43 21.4	0.1
SSE	47.9	268	P	21 43 29.8	0.6
			PMZ		1.0 0.040
			pP	21 44 23.2	3.3
			sP	21 44 44.0	−2.2
BTO	48.3	285	eP	21 43 33.0	0.8
NJ2	48.7	270	P	21 43 35.2	0.3
TIY	48.7	281	eP	21 43 36.0	0.5
WHN	52.5	273	iP	21 44 03.0	−0.3
			pP	21 44 58.0	3.0
XAN	53.3	280	−P	21 44 09.2	−0.4
LZH	54.9	285	eP	21 44 22.0	0.7
GTA	55.0	291	iP	21 44 21.7	0.0
			pP	21 45 16.7	3.0
GZH	58.5	267	−P	21 44 47.2	0.7
WMQ	58.5	302	P	21 44 46.5	−0.2
			PcP	21 45 33.5	−0.1
CD2	58.6	281	+iP	21 44 47.3	0.1
			pP	21 45 42.1	2.1
			S	21 52 28.6	−1.6
GYA	60.1	275	P	21 44 57.0	−0.3
			pP	21 45 52.0	1.6
			S	21 52 52.0	2.8
KMI	63.4	277	−P	21 45 19.5	−0.3
			pP	21 46 15.0	1.7
QZN	63.7	267	+P	21 45 21.9	0.6
LSA	66.9	289	P	21 45 42.2	0.1
			pP	21 46 38.9	2.9

1985 3 23
O=23 02 45.5 ± 0.07s
LAT= 8.32 S ± 1.04km
LONG=158.35 E ± 1.29km
DEPTH=158 km ± 0.37km
STATIONS USED = 63, STAND DEV= 0.94s

SSE	52.9	320	−P	23 11 48.6	0.5
			eS	23 19 02.0	−1.7
			sS	23 20 10.0	3.8
NJ2	55.1	319	eP	23 12 04.4	0.8
			S	23 19 35.0	3.8
WHN	57.2	315	P	23 12 17.0	−1.9
DL2	58.1	327	eP	23 12 24.8	0.0
TIA	58.8	321	eP	23 12 29.4	−0.9
CN2	59.8	333	+P	23 12 35.6	−1.5
			pP	23 13 12.4	−1.2
GYA	60.9	306	P	23 12 45.0	0.5

BJI	61.9	324	eP	23 12 50.0	−1.0		
TIY	62.7	320	eP	23 12 56.4	−0.1		
XAN	63.0	315	+P	23 12 57.2	−1.0		
KMI	63.5	303	+P	23 13 02.5	0.6		
			pP	23 13 40.0	1.5		
CD2	65.2	309	+iP	23 13 13.0	0.3		
			PMZ			0.8	0.10
BTO	65.9	321	eP	23 13 17.5	0.0		
LZH	67.6	314	+P	23 13 28.5	0.5		
			PMZ			1.5	0.070
GTA	72.0	316	+iP	23 13 55.8	1.3		
			pP	23 14 35.0	3.1		
LSA	74.8	304	+P	23 14 11.5	0.5		
			pP	23 14 52.2	3.7		
WMQ	82.1	316	+iP	23 14 50.2	−0.2		
KSH	89.4	310	eP	23 15 27.0	0.7		

1985 3 24
O=11 54 20.0 ± 0.11s
LAT=41.88 N ± 1.31km
LONG= 77.45 E ± 1.45km
DEPTH= 32 km ± 0.78km
STATIONS USED = 18, STAND DEV= 3.13s
M_L=4.3/ 7,

KSH	2.7	205	ePn	11 55 04.0	2.6		
			Sn	11 55 40.0	6.0		
			SME			2.0	11.9
WMQ	7.8	72	Pn	11 56 13.6	2.0		
			Sn	11 57 46.0	5.6		
			SMN	M_L=4.5		1.4	0.14
GTA	17.1	91	eP	11 58 16.3	−2.8		

1985 3 24
O=16 16 32.2 ± 0.19s
LAT=34.35 S ± 2.85km
LONG= 72.23 W ± 2.65km
DEPTH= 25 km ± 1.29km
STATIONS USED = 65, STAND DEV= 2.07s
Ms=5.6/ 10,

KSH	154.1	69	ePKP	16 36 22.0	−0.9		
			pPKP	16 36 31.0	1.3		
			PKP_2	16 36 45.0			
			PP	16 40 21.0	−1.2		
MDJ	160.3	308	ePKP	16 36 28.0	−2.5		
WMQ	161.8	53	iPKP	16 36 32.5	0.4		
			pPKP	16 36 40.5	1.6		
			PKP_2	16 37 18.4			
			PP	16 41 02.7	−0.7		
			LE	Ms=5.6		18.0	0.63
CN2	163.4	310	ePKP	16 36 30.0	−3.6		
LSA	165.2	104	PKP	16 36 37.2	1.4		
			PKP_2	16 37 34.7			
SSE	168.2	258	ePKP	16 36 41.0	3.5		
			PKP_2	16 37 48.0			
			LZ	Ms=5.8		22.0	1.43
KMI	169.8	153	PKP	16 36 38.5	−0.2		
			pPKP	16 36 47.0	1.6		
			PKP_2	16 37 54.0			
			PP	16 41 46.0	1.5		
			LZ	Ms=5.4		28.0	0.78
NJ2	170.4	259	ePKP	16 36 37.0	−1.8		
			LZ	Ms=5,3		20.0	0.40
BJI	171.2	313	ePKP	16 36 45.5	6.2		
GTA	171.9	49	iPKP	16 36 40.2	0.3		
			pPKP	16 36 47.0	0.3		
			PKP_2	16 38 03.4			
			PP	16 41 52.0	−2.7		
			LE	Ms=5.5		18.0	0.64
GYA	172.1	173	PKP	16 36 40.6	0.6		
			pPKP	16 36 49.6	2.8		
			PKP_2	16 38 04.0			
TIA	172.1	286	PKP	16 36 39.7	−0.2		
			pPKP	16 36 47.6	0.8		
			PKP_2	16 38 12.0			
			SS	17 03 06.0	5.5		
			LN	Ms=5.6		18.0	0.66
			LE			18.0	0.60
			LZ	Ms=5.9		18.0	1.79
WHN	173.3	237	ePKP	16 36 40.5	0.1		
BTO	173.5	345	ePKP	16 36 39.7	−0.8		
TIY	174.9	313	ePKP	16 36 40.1	−0.9		
			PKP_2	16 38 22.0			
			LN	Ms=5.6		19.0	1.32
CD2	175.2	134	PKP	16 36 41.3	0.3		
			PKP_2	16 38 17.0			
LZH	176.3	61	ePKP	16 36 43.0	1.5		
			$ePKP_2$	16 38 22.0			
XAN	179.0	252	ePKP	16 36 41.2	−0.5		
			PKP_2	16 38 39.0			
			PP	16 42 28.0	−1.4		

1985 3 24
O=17 49 57.6 ± 0.10s
LAT=51.37 N ± 2.48km
LONG=179.29 W ± 0.90km
DEPTH= 33 km ± 0.06km
STATIONS USED = 40, STAND DEV= 0.78s

CN2	37.3	281	+P	17 57 08.0	−0.4		
SNY	39.5	279	eP	17 57 27.5	0.5		
BJI	45.1	282	eP	17 58 13.0	0.2		

TIA	46.9	277	P	17 58 26.7	−0.2	
BTO	48.5	286	eP	17 58 41.0	1.3	
TIY	48.8	282	eP	17 58 43.0	0.8	
XAN	53.4	281	eP	17 59 15.4	−1.3	
LZH	55.1	286	eP	17 59 30.0	0.5	
GTA	55.3	291	iP	17 59 31.3	0.4	
CD2	58.7	281	eP	17 59 53.8	−1.1	
WMQ	59.1	303	+P	17 59 58.0	0.2	
GYA	60.0	276	P	18 00 03.8	−0.4	
KMI	63.4	278	+P	18 00 26.5	−0.7	

1985 3 24

O=18 01 09.4 ± 0.12s
LAT= 6.94 S ± 0.57km
LONG=130.21 E ± 0.29km
DEPTH= 92 km ± 1.37km
STATIONS USED = 19, STAND DEV= 1.05s

GYA	40.3	326	P	18 08 40.0	0.4		
CD2	45.4	327	eP	18 09 20.1	−0.6		
XAN	45.5	335	+P	18 09 21.0	−0.6		
CN2	50.7	356	eP	18 10 02.6	0.6		
GTA	54.0	331	iP	18 10 27.3	0.2		
WMQ	63.5	327	eP	18 11 32.5	0.0		

1985 3 25

O=05 14 34.6 ± 0.16s
LAT=34.30 S ± 2.44km
LONG= 72.16 W ± 1.21km
DEPTH= 44 km ± 1.31km
STATIONS USED = 98, STAND DEV= 1.28s
Ms=6.5/40, m_B=6.2/ 8

KSH	154.1	69	+PKP	05 34 23.0	0.7		
			PKP_2	05 34 44.0			
			PP	05 38 17.0	−4.4		
			LE	Ms=6.9		18.0	12.6
MDJ	160.3	308	ePKP	05 34 29.5	−0.5		
			PKP_2	05 35 17.0			
			PP	05 38 59.0	4.0		
			SS	05 59 05.0	5.7		
			LE	Ms=6.5		18.0	4.70
WMQ	161.7	53	iPKP	05 34 32.5	1.0		
			pPKP	05 34 42.5	−1.4		
			PKP_2	05 35 19.0			
			PP	05 38 58.0	−4.7		
			LN	Ms=6.3		18.0	3.68
CN2	163.4	310	PKP	05 34 30.0	−3.0		
			sPKP	05 34 44.0			
			PKP_2	05 35 25.0			
			PP	05 39 12.0	0.9		
			PPMZ	m_B=6.2		5.0	1.10
			SS	05 59 31.0	0.1		
			LE	Ms=6.6		18.0	7.60
QZN	164.7	187	PKP	05 34 31.5	−2.8		
			PKP_2	05 35 34.5			
			PP	05 39 16.0	−2.4		
			SS	05 59 47.5	2.8		
			LN	Ms=6.5		19.0	4.20
			LE			19.0	4.40
LSA	165.1	103	PKP	05 34 36.5	1.3		
			PKP_2	05 35 33.0			
			PP	05 39 19.0	−1.6		
SNY	165.5	306	PKP	05 34 34.0	−1.1		
			pPKP	05 34 47.0	−0.7		
			PKP_2	05 35 37.0			
			PP	05 39 24.0	1.5		
			LN	Ms=6.6		19.0	7.29
QZH	166.8	228	PKP	05 34 36.0	−0.1		
			PKP_2	05 35 46.0			
			LN	Ms=6.4		18.0	2.43
			LE			18.0	3.16
GZH	167.8	205	PKP	05 34 38.0	1.3		
			PKP_2	05 35 50.0			
			PP	05 39 34.0	−0.1		
			LN	Ms=6.3		22.0	4.43
DL2	168.0	297	PKP	05 34 36.0	−0.8		
			pPKP	05 34 45.0	−4.4		
			PKP_2	05 35 51.0			
			PP	05 39 37.0	2.0		
			PPMZ	m_B=6.0		7.0	1.06
			LN	Ms=6.6		20.0	8.50
SSE	168.3	258	cPKP	05 34 36.0	−1.0		
			PKP_2	05 35 50.0			
			PP	05 39 39.0	2.5		
			LN	Ms=6.6		20.0	8.60
KMI	169.8	153	PKP	05 34 38.5	0.3		
			pPKP	05 34 49.5	−1.0		
			PKP_2	05 35 52.5			
			PP	05 39 44.0	−0.2		
			SS	06 00 30.0	−6.3		
			LN	Ms=6.6		22.0	10.0
NJ2	170.5	259	PKP	05 34 38.0	−0.3		
			PKP_2	05 35 58.0			
			PP	05 39 48.5	1.0		
			PPMZ	m_B=6.2		8.0	2.30
			LZ	Ms=6.6		20.0	8.30
BJI	171.2	313	cPKP	05 34 38.0	−0.8		
			PKP_2	05 35 59.0			
			cPP	05 39 53.0	1.9		
			PPMZ	m_B=6.1		6.0	1.30
			SS	06 00 56.0	7.1		

			LN		Ms=6.6	20.0	9.12
GTA	171.8	49	PKP	05 34 40.0	0.7		
			PKP_2	05 36 03.4			
			PP	05 39 49.2	−4.7		
			LN		Ms=6.6	19.0	10.2
GYA	172.1	172	PKP	05 34 40.0	0.5		
			pPKP	05 34 51.0	−0.9		
			PKP_2	05 35 04.0			
			PP	05 39 53.0	−2.6		
			SS	06 01 00.0	2.0		
			SME			17.0	9.70
			LE		Ms=6.4	20.0	5.70
TIA	172.2	287	PKP	05 34 39.5	0.1		
			PKP_2	05 36 07.5			
			PP	05 39 57.5	1.7		
			LN		Ms=6.5	18.0	5.62
			LE			18.0	3.18
			LZ		Ms=6.5	18.0	7.16
HHC	172.8	337	PKP	05 34 40.5	0.7		
			PKP_2	05 36 11.5			
			PP	05 39 57.5	−1.6		
			PPMZ		m_B=6.2	8.0	2.00
			LN		Ms=6.6	18.0	9.70
			LE			18.0	3.80
			LZ		Ms=6.7	18.0	11.6
WHN	173.3	238	iPKP	05 34 40.0	0.1		
			$iPKP_2$	05 36 13.0			
			PP	05 40 03.0	1.3		
BTO	173.5	345	PKP	05 34 40.0	−0.1		
			PKP_2	05 36 09.0			
			PP	05 40 00.0	−2.4		
			PPMZ		m_B=6.0	8.0	1.50
			SS	06 01 10.0	−1.3		
			LN		Ms=6.6	18.0	7.90
			LE			18.0	6.50
			LZ		Ms=6.6	18.0	9.60
TIY	175.0	314	iPKP	05 34 40.0	−0.4		
			PKP_2	05 40 11.0			
			LN		Ms=6.4	18.0	7.14
CD2	175.2	133	PKP	05 34 41.8	1.3		
			PKP_2	05 36 16.0			
			PP	05 40 05.7	−5.2		
			PPMZ		m_B=6.4	7.0	2.70
			SS	06 01 31.0	3.5		
			LZ		Ms=6.5	23.0	13.5
LZH	176.3	60	ePKP	05 34 41.5	0.6		
			PKP_2	05 36 22.0			
			PP	05 40 15.0	−1.2		
			LE		Ms=6.3	18.0	7.28
XAN	179.1	254	PKP	05 34 41.8	0.7		
			PKP_2	05 36 37.0			
			PP	05 40 29.0	−0.3		
			LN		Ms=6.3	20.0	12.8

1985 3 25
O=06 31 42.0 ± 0.03s
LAT=39.18 N ± 0.31km
LONG= 94.51 E ± 0.20km
DEPTH= 10 km ± 0.09km
STATIONS USED = 6, STAND DEV= 2.63s
M_L=3.7/ 5,

GTA	4.1	85	Pg	06 32 53.6	−1.4		
			SMN		M_L=2.9	0.6	0.030
			SME			0.5	0.020
WMQ	6.9	314	cPn	06 33 26.2	2.4		
			SMN		M_L=4.0	1.0	0.070

1985 3 25
O=08 56 06.4 ± 0.09s
LAT=11.32 S ± 1.45km
LONG=165.75 E ± 1.34km
DEPTH= 34 km ± 0.34km
STATIONS USED = 74, STAND DEV= 1.02s
Ms=5.1/ 5, m_B=5.5/ 2

QZH	58.4	309	eP	09 06 01.6	−0.1		
SSE	60.0	316	P	09 06 12.8	−0.2		
			S	09 14 24.0	3.1		
			LN		Ms=5.2	16.0	0.87
GZH	61.6	304	iP	09 06 25.0	1.3		
NJ2	62.2	316	−P	09 06 26.5	−1.1		
			S	09 14 44.0	−4.5		
			LZ		Ms=4.8	18.0	0.40
QZN	62.8	298	eP	09 06 32.2	0.6		
WHN	64.6	312	+P	09 06 42.6	−0.5		
MDJ	64.6	332	eP	09 06 42.5	−0.7		
DL2	64.7	323	eP	09 06 43.2	−0.7		
SNY	65.6	327	+iP	09 06 48.6	−0.9		
TIA	65.8	318	P	09 06 50.3	−0.9		
CN2	66.0	329	+P	09 06 51.4	−0.8		
			pP	09 07 02.0	0.0		
GYA	68.6	304	P	09 07 08.8	0.2		
BJI	68.7	321	eP	09 07 08.5	−0.7		
TIY	69.8	317	P	09 07 16.0	0.1		
XAN	70.3	312	+P	09 07 19.0	−0.2		
KMI	71.3	301	+P	09 07 26.0	0.8		
			pP	09 07 37.0	2.3		
			eS	09 16 41.0	1.4		
			LE		Ms=5.6	14.0	1.46
CD2	72.8	307	P	09 07 34.5	0.5		
BTO	72.9	319	P	09 07 35.0	0.2		

LZH	74.9	312	+iP	09 07 43.5	−3.3		
GTA	79.2	314	+iP	09 08 12.2	1.3		
			S	09 18 14.0	8.0		
			SMN	m_B=5.6		7.0	0.30
WMQ	89.3	315	+iP	09 09 01.3	−0.1		

1985 3 25
O=09 43 54.3 ± 0.07s
LAT=35.12 N ± 0.70km
LONG=105.25 E ± 0.64km
DEPTH= 8 km ± 0.63km
STATIONS USED = 6, STAND DEV= 2.29s
M_L=3.0 / 4,

LZH	1.5	311	ePg	09 44 21.5	0.5		
			Sg	09 44 43.0	1.7		
			SMN	M_L=3.2		1.0	0.28
			SME			1.0	0.39
XAN	3.2	108	Pn	09 44 44.0	−1.5		
			Pg	09 44 52.0	0.9		
			Sg	09 45 31.5	−3.6		
GTA	6.1	316	Pn	09 45 25.8	0.7		
			Pg	09 45 46.2	4.3		

1985 3 25
O=11 07 19.3 ± 0.07s
LAT= 6.40 S ± 1.19km
LONG=128.76 E ± 1.35km
DEPTH=249 km ± 0.10km
STATIONS USED =113, STAND DEV= 0.98s
m_B=6.2 / 40

QZN	31.4	324	P	11 13 19.3	−0.4		
			PP	11 14 31.0	−2.9		
			PcP	11 16 03.0	−3.4		
			iS	11 18 07.0	−1.3		
			SMN	m_B=6.0		9.5	5.29
			SME			9.5	5.67
			ScS	11 23 23.0	1.8		
QZH	32.7	343	−iP	11 13 30.0	−0.8		
			iS	11 18 24.0	−4.2		
			SME	m_B=6.0		7.0	6.17
			ScS	11 23 26.5	−1.3		
GZH	33.0	333	−P	11 13 33.0	−0.1		
			PP	11 14 49.0	−3.8		
			iS	11 18 28.0	−4.3		
			ScP	11 19 29.0	−0.6		
			ScS	11 23 27.3	−1.9		
			LN			13.0	3.01
			LE			13.0	6.49
SSE	38.0	349	−iP	11 14 15.5	0.1		
			PP	11 15 48.0	−1.7		
			iS	11 19 45.8	−3.2		
			sS	11 21 16.0	−2.1		
			SS	11 22 42.0	4.7		
			ScS	11 23 55.0	−1.7		
			LZ			20.0	4.16
GYA	39.1	328	−P	11 14 26.0	1.5		
			ScP	11 19 51.0	−0.9		
			S	11 20 01.0	−3.4		
			SMN	m_B=6.3		7.0	4.10
			SME			7.0	4.80
WHN	39.2	340	iP	11 14 26.0	0.2		
			PMZ	m_B=6.1		4.0	3.27
			iS	11 20 06.0	−1.9		
			SME	m_B=6.2		10.0	6.13
NJ2	39.4	347	−iP	11 14 28.0	1.0		
			PMZ	m_B=5.9		5.5	2.40
			PP	11 16 05.0	−0.4		
			ScP	11 19 52.5	−0.7		
			iS	11 20 07.5	−2.5		
			SME			14.0	7.10
KMI	40.3	322	−P	11 14 36.0	1.4		
			PP	11 16 14.0	−0.4		
			ScS	11 24 10.0	−0.2		
TIA	43.8	346	iP	11 15 01.6	−1.0		
			PMZ	m_B=5.5		8.0	1.46
			PcP	11 16 44.5	0.0		
			ScP	11 20 09.6	−1.0		
			S	11 21 09.4	−3.7		
			SMN	m_B=5.6		6.0	0.82
			sS	11 22 52.0	6.7		
			ScS	11 24 33.0	1.5		
CD2	44.1	329	−iP	11 15 05.3	−0.3		
			iScP	11 20 11.7	−0.4		
			iS	11 21 13.0	−6.6		
			SME	m_B=6.4		6.0	4.40
			iScS	11 24 33.0	−0.9		
XAN	44.4	336	−P	11 15 06.4	−1.1		
			PP	11 16 49.0	−5.7		
			iS	11 21 16.5	−6.6		
DL2	45.6	352	−iP	11 15 16.0	−0.7		
			PMZ	m_B=5.9		5.0	2.41
			PcP	11 16 54.0	3.3		
			PP	11 17 06.0	−0.7		
			ScP	11 20 17.0	−0.9		
			iS	11 21 37.0	−2.6		
			SMN	m_B=6.6		7.0	1.95
			SME			7.0	6.33
			ScS	11 24 42.0	−0.9		
			SS	11 25 02.0	1.3		
			LN			13.0	1.15

			LE			13.0	1.57
TIY	46.5	342	–iP	11 15 23.0	–0.8		
			PMZ	m_B = 5.7		6.0	1.74
			PP	11 17 17.0	1.5		
			PPMZ			7.0	1.98
			ScP	11 20 20.5	–1.1		
			iS	11 21 46.5	–5.9		
			SME	m_B = 6.3		9.0	4.47
BJI	47.6	347	–P	11 15 32.0	–0.9		
			SME	m_B = 6.3		8.0	3.74
SNY	48.2	355	–iP	11 15 36.8	–0.6		
			PMZ	m_B = 6.0		5.0	2.99
			ScP	11 20 27.6	–1.5		
			S	11 22 09.0	–7.2		
			SMN	m_B = 6.3		6.0	2.86
LZH	48.3	333	–iP	11 15 39.0	0.8		
			PP	11 17 34.0	1.5		
			ScP	11 20 29.5	0.1		
			iS	11 22 15.0	–3.7		
			ScS	11 24 59.0	–1.9		
			LE			15.0	3.00
HHC	49.6	343	–iP	11 15 49.0	1.0		
			ScP	11 20 33.0	–1.9		
			iS	11 22 35.1	–1.4		
			SME	m_B = 6.8		9.0	11.1
			ScS	11 25 12.0	2.4		
			LN			10.0	0.94
BTO	49.8	341	–iP	11 15 49.0	–0.8		
			PMZ	m_B = 5.7		4.0	1.23
			PP	11 17 48.0	0.2		
			S	11 22 36.0	–2.5		
			SMN	m_B = 6.3		8.0	1.20
			SME			8.0	3.70
			LN			12.0	1.00
			LE			12.0	1.70
CN2	50.1	357	–iP	11 15 50.0	–1.3		
			PMZ	m_B = 6.0		4.0	2.20
			PcP	11 17 07.0	0.1		
			eS	11 22 38.0	–4.5		
			SME	m_B = 6.3		6.0	2.70
MDJ	50.8	1	–P	11 15 56.0	–0.7		
			pP	11 16 52.0	1.9		
			PcP	11 17 09.0	–0.6		
			PP	11 17 57.0	0.8		
			ScP	11 20 38.5	–1.5		
			SME	m_B = 6.6		7.0	5.75
			sS	11 24 30.0	4.1		
			ScS	11 25 18.5	0.8		
LSA	50.9	317	P	11 15 58.4	0.2		
			PcP	11 17 10.5	0.4		
			iS	11 22 52.0	–3.2		
			SME	m_B = 6.9		5.0	8.54
GTA	52.9	332	–iP	11 16 12.3	0.1		
			PMZ			3.0	0.65
			PP	11 18 17.0	1.5		
			iS	11 23 18.0	–3.0		
			SME	m_B = 6.3		7.5	3.70
			ScS	11 25 31.8	–0.3		
			LE			14.0	2.30
WMQ	62.2	327	iP	11 17 17.0	–0.4		
			PcP	11 17 58.5	4.3		
			ScP	11 21 28.0	–2.2		
			iS	11 25 20.0	–2.6		
			ScS	11 26 39.0	–1.3		
			LE			20.0	5.33
KSH	66.7	318	+P	11 17 48.0	1.6		
			iS	11 26 17.0	–0.6		
			ScS	11 27 16.0	1.3		
			LE			12.0	1.50

1985 3 25

O = 15 09 46.2 ± 0.08s
LAT = 8.11 S ± 2.37km
LONG = 68.24 E ± 2.12km
DEPTH = 8 km ± 0.27km
STATIONS USED = 22, STAND DEV = 1.67s

KMI	47.1	44	eP	15 18 24.0	2.6	
GYA	50.7	46	P	15 18 48.0	–1.1	
CD2	51.6	40	eP	15 18 55.2	–0.6	
WMQ	54.6	17	iP	15 19 18.7	0.5	
XAN	56.9	40	eP	15 19 31.6	–3.4	

1985 3 25

O = 18 58 52.7 ± 0.09s
LAT = 1.20 N ± 1.23km
LONG = 122.83 E ± 1.76km
DEPTH = 36 km ± 0.09km
STATIONS USED = 83, STAND DEV = 1.32s
Ms = 5.2 / 35, m_B = 5.5 / 11

QZN	21.8	325	eP	19 03 43.0	–0.9		
			pP	19 03 53.0	–0.2		
			iS	19 07 41.0	2.8		
			SMN	m_B = 5.3		12.0	1.26
			LN	Ms = 4.9		18.0	2.60
GZH	23.6	338	P	19 04 02.2	0.5		
			S	19 08 17.0	7.1		
			SMN	m_B = 6.3		10.0	4.95
			SME			10.0	8.50
QZH	24.0	350	eP	19 04 02.5	–2.4		
			S	19 08 15.0	–0.6		

			SMN	$m_B=5.6$	10.0	1.58
			SME		10.0	1.04
			LN	Ms=4.9	15.0	1.92
GYA	29.5	330	P	19 04 56.0	−0.6	
			pP	19 05 07.6	1.5	
			S	19 09 50.0	3.1	
SSE	29.8	357	eP	19 05 02.0	3.5	
			S	19 09 51.0	0.3	
			LN	Ms=5.1	16.0	2.04
			LZ	Ms=5.5	16.0	5.29
WHN	30.3	345	eP	19 05 03.0	0.0	
			pP	19 05 12.0	−0.6	
			PcP	19 08 05.6	3.1	
			eS	19 10 00.0	0.6	
			SMN	$m_B=5.4$	12.0	1.16
			sS	19 10 16.0	0.5	
			SS	19 11 41.0	2.3	
			LN	Ms=5.3	16.0	3.80
KMI	30.7	322	eP	19 05 08.5	1.5	
			pP	19 05 17.5	1.2	
NJ2	30.9	353	eP	19 05 08.0	−0.7	
			S	19 10 10.0	1.4	
			LZ	Ms=5.0	22.0	2.40
CD2	34.6	330	P	19 05 40.3	−0.9	
			sP	19 05 52.8	−2.1	
			S	19 11 06.0	−0.6	
			LN	Ms=5.0	14.0	1.20
XAN	35.2	340	eP	19 05 44.2	−1.5	
			S	19 11 16.0	1.2	
			SMN	$m_B=5.5$	12.0	1.29
			LN	Ms=5.2	18.0	2.68
TIA	35.2	352	P	19 05 45.2	−1.0	
			PP	19 07 09.0	3.6	
			S	19 11 17.5	1.6	
			SMN		17.0	2.80
			SME		17.0	1.35
			LN	Ms=5.1	18.0	1.98
			LZ	Ms=5.2	18.0	2.68
DL2	37.5	358	eP	19 06 05.0	−0.7	
			eS	19 11 46.0	−6.2	
			LN	Ms=5.3	18.0	2.67
TIY	37.6	346	eP	19 06 05.5	−0.5	
			PP	19 07 34.5	0.1	
			S	19 11 56.0	4.2	
			LN	Ms=5.2	20.0	2.57
LZH	38.9	335	eP	19 06 22.0	4.6	
			eS	19 12 15.0	1.4	
			SME	$m_B=5.5$	10.0	0.79
			LE	Ms=5.1	15.0	1.50
BJI	39.1	352	eP	19 06 18.0	−0.9	
			S	19 12 18.0	2.6	
			SMN	$m_B=5.5$	11.0	0.93
			LN	Ms=4.9	16.0	0.96
SNY	40.5	1	eP	19 06 29.0	−0.8	
			PP	19 08 04.0	−2.9	
			ScP	19 12 14.0	−3.3	
			PcS	19 12 24.0	2.5	
			S	19 12 34.0	−1.1	
			LN	Ms=5.3	19.0	2.60
HHC	40.8	347	eP	19 06 34.0	1.4	
			S	19 12 37.0	−2.8	
			LN	Ms=5.1	16.0	1.31
BTO	40.9	345	eP	19 06 34.0	0.2	
			S	19 12 44.0	2.1	
			LN	Ms=5.5	18.0	3.30
			LE		18.0	1.90
			LZ	Ms=5.5	18.0	3.80
LSA	41.4	316	eP	19 06 36.8	−1.1	
			pP	19 06 47.0	−0.2	
			S	19 12 52.0	3.2	
			SMN	$m_B=5.2$	8.0	0.33
CN2	42.5	3	eP	19 06 46.0	−0.6	
			pP	19 06 56.0	−0.4	
			eS	19 13 06.0	−0.1	
			LN	Ms=5.2	15.0	1.50
GTA	43.4	334	−iP	19 06 55.2	0.6	
			eS	19 13 18.5	−2.0	
			LE	Ms=5.1	17.0	1.36
MDJ	43.6	7	eP	19 06 55.7	−0.4	
WMQ	52.7	328	+iP	19 08 07.5	1.0	
			pP	19 08 17.5	1.2	
			SME	$m_B=5.7$	8.0	0.77
			LE	Ms=5.5	7.0	0.99
KSH	57.1	318	eP	19 08 40.0	1.0	
			pP	19 08 51.0	2.2	
			eS	19 16 33.0	2.5	
			SMN	$m_B=5.9$	6.0	1.10
			ScS	19 18 26.0	5.3	
			LN	Ms=5.2	15.0	0.96

1985 3 25

O=21 16 08.7 ± 0.06s
LAT=37.03 N ± 0.49km
LONG=112.14 E ± 0.56km
DEPTH= 10 km ± 0.18km
STATIONS USED = 14, STAND DEV= 1.76s
M_L=3.4 / 14,

TIY	0.7	19	Pg	21 16 20.4	−1.2		
			Sg	21 16 28.4	−3.0		
			SMN	$M_L=2.9$	0.4	0.43	

			SME			0.4	0.43
HHC	3.8	353	ePg	21 17 17.2	0.5		
			SMN	M_L=3.5		0.8	0.17
			SME			0.8	0.070
BTO	3.9	336	ePn	21 17 10.5	1.0		
			Pg	21 17 17.1	−0.9		
			Sg	21 18 05.7	−6.0		
			SMN	M_L=3.0		0.5	0.030
			SME			0.5	0.030
XAN	4.0	222	Pn	21 17 12.4	2.3		
			Pg	21 17 23.2	4.3		
			Sg	21 18 15.3	2.0		
			SMN	M_L=3.2		1.0	0.060
			SME			1.0	0.050
TIA	4.1	100	ePn	21 17 12.2	0.5		
			Pg	21 17 22.5	1.5		
			SMN	M_L=3.4		0.7	0.070
			SMZ	M_L=3.5		0.7	0.070
BJI	4.4	45	Pg	21 17 24.5	−1.3		
			Sg	21 18 19.5	−5.8		
			SMN	M_L=3.8		0.5	0.15
			SME			0.5	0.20
GTA	10.0	287	eP	21 18 33.0	−2.7		
			SME			1.2	0.010

1985 3 26
O=00 15 50.3 ± 0.12s
LAT= 7.03 N ± 1.17km
LONG=124.70 E ± 1.24km
DEPTH= 33 km ± 0.69km
STATIONS USED = 22, STAND DEV= 1.44s

QZH	18.7	342	eP	00 20 08.0	−1.0		
KMI	27.7	313	eP	00 21 37.5	−0.1		
TIA	29.9	348	eP	00 21 58.3	1.1		
XAN	30.6	334	eP	00 22 03.8	0.2		
DL2	31.9	355	eP	00 22 17.5	2.7		
SNY	34.7	359	eP	00 22 37.2	−1.9		
GTA	39.2	329	eP	00 23 18.2	0.3		
WMQ	48.9	325	eP	00 24 35.5	0.1		

1985 3 26
O=04 50 58.5 ± 0.07s
LAT= 4.25 S ± 1.25km
LONG=101.28 E ± 1.88km
DEPTH= 28 km ± 0.68km
STATIONS USED = 27, STAND DEV= 1.01s

KMI	29.2	3	eP	04 57 01.0	0.3		
GYA	31.0	9	P	04 57 16.0	0.0		
CD2	35.0	4	P	04 57 51.0	−0.3		
WHN	36.8	19	eP	04 58 06.0	0.0		
XAN	38.8	10	+P	04 58 22.0	−0.6		
LZH	40.2	3	−P	04 58 36.0	1.3		
TIA	42.9	19	eP	04 58 55.7	−1.0		
GTA	43.5	358	+iP	04 59 01.9	0.4		
BJI	46.2	16	eP	04 59 23.0	0.1		
WMQ	49.4	347	+iP	04 59 48.0	−0.3		
CN2	52.6	22	+P	05 00 10.4	−1.7		

1985 3 26
O=15 06 10.4 ± 0.09s
LAT=38.86 N ± 0.78km
LONG=116.49 E ± 0.75km
DEPTH= 11 km ± 0.33km
STATIONS USED = 8, STAND DEV= 2.64s
M_L=2.9/ 8,

BJI	1.2	348	ePg	15 06 30.5	−1.2		
			Sg	15 06 46.5	−1.7		
			SMN	M_L=3.3		0.5	0.45
			SME			0.5	0.54
TIA	2.7	169	ePn	15 06 51.2	−3.0		
			Pg	15 06 57.8	−0.2		
			Sn	15 07 24.0	−4.7		
			Sg	15 07 32.2	−2.7		
			SMN	M_L=2.7		0.2	0.040
			SME			0.2	0.030
TIY	3.4	251	Pg	15 07 09.8	−0.7		
			Sg	15 07 51.1	−5.6		
			SMN	M_L=2.6		0.5	0.020
			SME			0.5	0.020
BTO	5.3	291	ePg	15 07 43.3	−0.6		
			eSg	15 08 52.7	−3.2		

1985 3 27
O=02 06 42.3 ± 0.07s
LAT=31.69 N ± 1.31km
LONG= 49.90 E ± 0.91km
DEPTH= 52 km ± 0.13km
STATIONS USED = 73, STAND DEV= 1.04s
Ms=5.1/ 7,

KSH	22.5	63	P	02 11 41.0	1.7		
			LE	Ms=5.6		10.0	6.60
WMQ	32.0	57	+iP	02 13 06.4	0.2		
			LZ	Ms=4.9		19.0	1.61
LSA	35.4	82	+P	02 13 35.6	−0.3		
GTA	40.9	65	−iP	02 14 23.2	1.5		
LZH	44.5	69	+P	02 14 53.0	1.8		
CD2	45.6	76	P	02 15 00.0	0.1		
KMI	46.6	84	+P	02 15 07.5	0.0		
			pP	02 15 17.5	−2.7		
			cS	02 21 55.0	3.4		

BTO	48.5	62	eP	02 15 23.0	0.2	
XAN	49.0	71	+iP	02 15 26.4	−0.2	
GYA	49.4	81	+P	02 15 29.0	−0.6	
			S	02 22 34.0	3.7	
TIY	50.9	65	P	02 15 41.0	−0.2	
BJI	53.3	61	eP	02 15 58.5	0.1	
WHN	54.4	73	P	02 16 07.0	−0.2	
TIA	54.9	66	P	02 16 10.5	−0.4	
GZH	56.3	82	+P	02 16 20.4	−0.2	
NJ2	57.6	70	eP	02 16 29.0	−0.7	
			LZ	Ms = 5.1	16.0	0.69
CN2	59.0	55	eP	02 16 38.0	−1.9	
SSE	59.8	70	eP	02 16 44.8	−0.2	
			S	02 24 52.0	2.6	

1985 3 27
O = 12 48 11.7 ± 0.05s
LAT = 44.41 N ± 1.32km
LONG = 146.72 E ± 0.94km
DEPTH = 157 km ± 0.38km
STATIONS USED = 117, STAND DEV = 1.03s
m_B = 5.9 / 30

MDJ	12.2	277	−iP	12 51 02.0	0.2	
			S	12 53 19.0	4.1	
			SMN	m_B = 5.9	9.0	5.01
			ScP	12 59 50.5	1.6	
			ScS	13 03 26.0	2.2	
			LE		12.0	10.6
CN2	15.3	275	−iP	12 51 38.8	−1.9	
			PMZ		3.0	2.90
			sP	12 52 21.0	−1.6	
			S	12 54 22.0	−3.3	
			LE		11.0	18.0
SNY	17.1	269	eP	12 52 01.8	−0.8	
			PMZ	m_B = 6.0	10.0	5.25
			sP	12 52 46.0	0.2	
			S	12 55 04.0	−1.4	
			LN		23.0	30.9
DL2	19.5	262	−P	12 52 29.0	0.0	
			PP	12 52 55.0	0.0	
			sP	12 53 18.0	1.9	
			S	12 56 00.0	4.5	
			SMN	m_B = 6.3	8.0	5.64
			SME		8.0	4.93
			SS	12 56 31.0	−3.6	
			ScS	13 03 45.0	1.4	
			LN		10.0	3.91
BJI	23.0	270	P	12 53 04.0	0.6	
			PMZ	m_B = 6.1	6.0	3.64
			PP	12 53 40.0	−0.9	
			S	12 57 02.0	4.2	
			SMN	m_B = 5.8	9.0	2.94
			sS	12 57 53.0	0.0	
			ScS	13 03 59.0	3.1	
			LN		10.0	4.64
TIA	23.9	260	P	12 53 13.2	0.7	
			PMZ	m_B = 6.0	7.0	3.63
			pP	12 53 43.5	0.0	
			PP	12 53 58.0	4.2	
			S	12 57 17.0	3.2	
			SMN	m_B = 5.9	9.0	4.11
			sS	12 58 08.0	−1.1	
			SS	12 58 20.5	1.7	
			ScS	13 04 01.3	1.7	
SSE	24.1	245	−iP	12 53 15.0	1.2	
			PMZ	m_B = 5.9	8.0	3.13
			pP	12 53 46.0	1.1	
			iS	12 57 25.0	8.1	
			sS	12 58 16.0	4.5	
			iSS	12 58 28.0	5.7	
			LZ		13.0	4.71
NJ2	25.0	250	−P	12 53 23.0	0.3	
			PMZ	m_B = 5.9	6.0	1.90
			pP	12 53 56.0	1.8	
			S	12 57 37.0	4.9	
			sS	12 58 35.0	6.7	
HHC	26.0	275	eP	12 53 34.2	2.1	
			pP	12 54 06.5	2.7	
			iS	12 57 52.0	2.5	
			SMN	m_B = 6.0	10.0	6.39
			SME		10.0	6.09
			LN		11.0	9.94
			LE		11.0	3.38
TIY	26.6	267	iP	12 53 37.9	0.6	
			pP	12 54 11.0	1.7	
			S	12 58 00.5	2.7	
			LN		15.0	9.65
BTO	27.2	275	eP	12 53 43.5	0.6	
			PMZ		2.0	3.70
			pP	12 54 17.0	2.0	
			sP	12 54 31.5	−1.9	
			S	12 58 11.0	3.3	
			SMN	m_B = 5.7	9.0	2.50
			SME		9.0	3.10
			LN		11.0	2.70
			LE		11.0	4.20
			LZ		11.0	4.30
WHN	29.0	252	−iP	12 53 58.5	−0.4	
			ipP	12 54 30.0	−1.3	
			sP	12 54 45.0	−4.8	

			PP	12 54 58.0	−0.9		
			S	12 58 36.0	−0.4		
			SMN	$m_B = 5.2$		10.0	1.22
			PcS	13 00 46.0	1.4		
			LE			12.0	6.96
QZH	30.0	239	−P	12 54 08.0	0.2		
			pP	12 54 40.0	−0.4		
			sP	12 55 02.5	3.6		
			S	12 58 56.0	3.9		
			SMN	$m_B = 5.5$		7.5	1.60
			SME			7.5	1.39
			LE			12.0	2.33
XAN	30.8	263	−iP	12 54 14.8	−0.5		
			pP	12 54 48.8	0.9		
			S	12 59 08.0	2.6		
			SMN	$m_B = 6.2$		9.0	11.3
LZH	33.4	271	−iP	12 54 39.5	1.3		
			PMZ			2.0	2.17
			pP	12 55 11.0	−0.2		
			iS	12 59 48.0	0.4		
			sS	13 00 45.0	−0.3		
			ScS	13 04 46.0	2.5		
			LE			12.0	3.84
GZH	34.6	243	P	12 54 48.6	0.7		
			pP	12 55 22.6	1.3		
			sP	12 55 43.2	3.7		
			S	13 00 08.0	3.7		
			LN			20.0	4.92
			LE			20.0	4.22
GTA	34.9	278	−P	12 54 51.2	0.8		
			PMZ			3.0	0.76
			pP	12 55 23.4	−0.3		
			PP	12 56 13.0	0.9		
			PcP	12 57 23.9	4.5		
			SMN	$m_B = 5.7$		10.0	3.10
			ScS	13 04 53.5	2.4		
			LE			12.0	5.83
CD2	36.2	263	−iP	12 55 01.8	0.6		
			PP	12 56 27.0	0.5		
			S	13 00 28.0	−0.2		
			sS	13 01 22.0	−5.7		
			ScS	13 05 00.0	1.9		
GYA	36.8	254	−P	12 55 06.0	−0.5		
			pP	12 55 40.0	0.0		
			PP	12 56 38.0	3.6		
			PcP	12 57 22.0	−3.0		
			S	13 00 36.0	−1.6		
			ScS	13 05 03.0	1.4		
			LE			15.0	2.50
QZN	39.8	242	+P	12 55 32.9	1.6		
			pP	12 56 06.0	0.7		
			sP	12 56 22.0	−1.3		
			PcP	12 57 31.5	−2.9		
			S	13 01 28.0	5.2		
			SMN	$m_B = 5.6$		9.0	1.10
			SME			10.0	0.56
			sS	13 02 25.0	1.9		
			LN			18.0	4.20
			LE			18.5	4.30
KMI	40.4	256	−iP	12 55 36.5	0.3		
			pP	12 56 10.5	0.5		
			sP	12 56 32.5	4.5		
			PP	12 57 17.0	2.4		
			PcP	12 57 42.0	5.8		
			cS	13 01 28.0	−4.7		
			SME	$m_B = 6.2$		6.0	2.90
			sS	13 02 28.0	−3.7		
			LN			16.0	2.50
WMQ	41.6	291	+iP	12 55 46.7	0.7		
			pP	12 56 19.8	−0.2		
			sP	12 56 37.0	−1.0		
			PcP	12 57 39.0	−1.1		
			ScP	13 01 16.5	2.6		
			iS	13 01 51.0	0.8		
			SMN	$m_B = 6.2$		8.0	3.80
			sS	13 02 48.5	−1.1		
			ScS	13 05 32.8	3.4		
			LN			9.0	7.28
LSA	45.9	271	−P	12 56 22.0	1.1		
			pP	12 56 56.0	1.0		
			PP	12 58 13.5	3.5		
			S	13 02 52.5	1.5		
			SME	$m_B = 5.7$		8.0	0.94
			sS	13 03 49.0	−3.7		
			ScS	13 05 52.0	−4.3		
			LN			19.0	6.10
KSH	51.4	291	cP	12 57 04.0	1.2		
			iS	13 04 13.0	4.0		
			SME			3.0	3.50
			ScS	13 06 37.0	4.1		
			SS	13 07 46.0	2.4		

1985 3 27

O = 13 39 51.5 ± 0.06s

LAT = 26.06 N ± 0.39km

LONG = 98.59 E ± 0.55km

DEPTH = 22 km ± 0.21km

STATIONS USED = 5, STAND DEV = 2.61s

M_L = 3.5 / 4,

KMI	3.9	103	cPg	13 41 01.5	1.5		

SMN $M_L = 3.2$ 1.5 0.050

1985 3 27
O = 15 15 34.9 ± 0.05s
LAT = 23.42 S ± 2.30km
LONG = 175.14 W ± 1.94km
DEPTH = 35 km ± 0.53km
STATIONS USED = 29, STAND DEV = 1.29s

NJ2	83.8	309	eP	15 28 02.8	0.1
MDJ	84.4	324	eP	15 28 05.7	−0.3
CN2	86.2	321	+P	15 28 14.2	−0.7
WHN	86.3	305	P	15 28 16.0	0.8
TIA	87.2	311	eP	15 28 18.8	−0.8
BJI	89.8	314	eP	15 28 32.0	−0.1
GYA	90.4	299	P	15 28 36.0	1.1
TIY	91.2	311	eP	15 28 39.0	0.3
XAN	92.0	306	−P	15 28 42.8	0.4
KMI	93.0	296	+P	15 28 48.5	1.2
CD2	94.6	302	eP	15 28 55.2	1.0
GTA	100.9	308	eP	15 29 22.0	−0.8

1985 3 27
O = 16 14 52.9 ± 0.07s
LAT = 39.02 N ± 0.94km
LONG = 53.53 E ± 0.80km
DEPTH = 23 km ± 0.19km
STATIONS USED = 18, STAND DEV = 1.02s

WMQ	25.9	68	eP	16 20 26.0	0.1
GTA	35.6	74	eP	16 21 51.2	0.3
CD2	41.5	85	P	16 22 41.0	0.4
XAN	44.2	79	eP	16 23 02.0	−0.6
GYA	45.8	89	eP	16 23 15.0	−0.6

1985 3 27
O = 17 28 11.0 ± 0.10s
LAT = 13.05 N ± 0.98km
LONG = 120.61 E ± 0.82km
DEPTH = 57 km ± 0.80km
STATIONS USED = 23, STAND DEV = 1.37s

QZN	11.9	301	eP	17 30 59.4	−1.6
GZH	12.1	326	eP	17 31 02.0	−1.7
GYA	18.7	318	P	17 32 28.4	1.0
KMI	20.7	308	−P	17 32 50.5	1.2
TIA	23.3	353	eP	17 33 17.2	2.5
XAN	23.4	335	+P	17 33 15.9	−0.4
CD2	23.6	322	eP	17 33 19.2	1.3
LSA	31.9	306	eP	17 34 34.0	−0.2
GTA	32.0	329	P	17 34 34.2	−0.8
WMQ	41.7	324	eP	17 35 56.8	0.6

1985 3 27
O = 20 05 06.6 ± 0.15s
LAT = 47.52 N ± 1.34km
LONG = 130.36 E ± 0.91km
DEPTH = 9 km ± 0.02km
STATIONS USED = 6, STAND DEV = 2.51s
$M_L = 3.6$ / 6,

MDJ	3.0	191	cPn	20 05 55.0	1.0	
			Pg	20 06 03.7	4.9	
			Sn	20 06 33.0	1.5	
			Sg	20 06 40.0	0.8	
			SME	$M_L = 3.3$	0.6	0.13
CN2	5.1	225	cPn	20 06 22.5	−0.5	
			Pg	20 06 42.0	6.0	
			Sn	20 07 17.0	−6.8	
			Sg	20 07 46.0	0.7	
			SMN	$M_L = 3.8$	1.0	0.10
			SME		1.0	0.10

1985 3 27
O = 21 57 12.4 ± 0.07s
LAT = 29.83 S ± 2.53km
LONG = 178.30 W ± 1.40km
DEPTH = 142 km ± 0.98km
STATIONS USED = 19, STAND DEV = 1.00s

GZH	84.1	301	P	22 09 30.2	0.7
NJ2	85.7	311	+P	22 09 37.6	0.4
TIA	89.4	313	+P	22 09 55.5	0.5
CN2	89.5	323	+P	22 09 54.0	−1.6
GYA	91.0	300	eP	22 10 03.4	0.5
BJI	92.3	316	eP	22 10 08.5	−0.2
TIY	93.3	312	eP	22 10 13.2	0.0
XAN	93.6	307	eP	22 10 14.6	0.3
CD2	95.6	302	eP	22 10 25.0	1.5

1985 3 28
O = 05 10 31.3 ± 0.11s
LAT = 5.18 S ± 0.93km
LONG = 151.67 E ± 0.95km
DEPTH = 63 km ± 0.73km
STATIONS USED = 34, STAND DEV = 1.07s

QZN	47.7	301	eP	05 19 05.7	1.7
TIA	52.4	325	eP	05 19 39.4	−0.2
GYA	53.7	308	P	05 19 51.0	1.0
XAN	56.1	317	eP	05 20 06.0	−1.3
KMI	56.3	305	−P	05 20 09.5	1.0
			pP	05 20 25.0	1.3
CD2	58.1	311	−P	05 20 21.6	0.1
GTA	65.2	318	eP	05 21 07.8	−1.1
WMQ	75.3	318	eP	05 22 09.0	−1.1

1985 3 28
O=06 57 23.2 ± 0.10s
LAT= 4.97 S ± 0.90km
LONG=145.36 E ± 1.02km
DEPTH= 75 km ± 1.15km
STATIONS USED = 28, STAND DEV= 1.15s
Ms=4.8/ 2,

QZN	42.3	305	eP	07 05 11.7	−0.1		
TIA	48.8	329	eP	07 06 01.0	−1.9		
KMI	51.1	308	eP	07 06 20.2	−0.7		
XAN	51.9	321	+P	07 06 26.8	0.3		
			LN	Ms=5.3		14.0	1.37
CD2	53.4	315	eP	07 06 39.0	1.0		
BTO	55.7	328	eP	07 06 55.0	−0.1		
GTA	60.9	321	P	07 07 32.3	1.0		
WMQ	71.0	320	eP	07 08 33.6	−1.7		

1985 3 28
O=07 13 21.7 ± 0.09s
LAT=38.89 N ± 2.11km
LONG=140.80 E ± 1.74km
DEPTH= 9 km ± 0.60km
STATIONS USED = 71, STAND DEV= 1.90s
Ms=5.2/34, m_B=5.4/ 7

MDJ	10.1	308	eP	07 15 50.5	−0.3		
CN2	12.5	298	+P	07 16 23.8	0.4		
			PMZ	m_B=5.2		4.0	0.20
			sP	07 16 34.0	3.0		
			cS	07 18 42.0	−2.3		
			sS	07 18 51.0	−0.3		
			LN	Ms=5.2		11.0	9.00
SNY	13.5	288	eP	07 16 34.2	−1.5		
			pP	07 16 40.0	0.1		
			S	07 19 10.5	4.4		
			LN	Ms=4.9		14.0	5.19
DL2	14.9	276	−P	07 16 58.0	2.9		
			PMZ	m_B=5.7		5.0	0.78
			cS	07 19 45.0	3.4		
			LN	Ms=5.1		13.0	4.60
			LE			14.0	3.21
SSE	17.8	250	eP	07 17 33.4	1.4		
			cS	07 20 53.0	4.2		
			sS	07 21 02.0	6.0		
			LN	Ms=4.9		13.0	2.09
			LE			13.0	1.48
			LZ	Ms=5.1		14.0	5.11
TIA	18.9	269	−P	07 17 45.4	−0.5		
			PMZ	m_B=5.2		10.0	1.03
			S	07 21 20.0	6.4		
			SMN	m_B=5.5		8.0	1.58
			SME			8.0	1.09
			LN	Ms=5.2		11.5	4.43
			LE			11.5	1.94
BJI	19.0	281	eP	07 17 45.0	−1.9		
			PMZ	m_B=5.4		6.0	1.01
			cS	07 21 10.0	−6.1		
			LN	Ms=5.3		15.0	7.58
NJ2	19.1	256	−P	07 17 49.0	1.3		
			cS	07 21 23.0	5.3		
			LE	Ms=4.8		12.0	2.00
TIY	22.3	276	eP	07 18 22.9	1.9		
			S	07 22 23.5	3.1		
			SME	m_B=5.2		10.0	0.93
			LN	Ms=5.1		12.0	2.88
HHC	22.5	284	eP	07 18 19.0	−4.3		
			LN	Ms=5.4		16.0	7.75
WHN	23.2	257	eP	07 18 32.0	1.6		
			cS	07 22 32.0	−6.5		
			sS	07 22 44.0	−2.8		
			LE	Ms=5.2		12.0	3.09
BTO	23.7	284	eP	07 18 35.5	0.5		
			cS	07 22 45.0	−1.7		
			LN	Ms=5.6		15.0	9.20
			LE			15.0	1.60
			LZ	Ms=5.1		15.0	3.40
XAN	26.0	269	eP	07 18 55.6	−1.7		
GZH	28.2	244	P	07 19 17.3	0.3		
			S	07 24 02.0	1.6		
			LN	Ms=5.2		12.0	1.47
			LE			12.0	1.78
LZH	29.3	276	eP	07 19 30.5	2.9		
GYA	31.1	257	P	07 19 43.0	−0.3		
			PP	07 20 49.0	4.1		
			S	07 24 43.0	−4.1		
			LE	Ms=5.1		13.0	1.60
			LZ	Ms=5.4		13.0	3.50
CD2	31.2	267	P	07 19 42.0	−2.4		
			LE	Ms=5.3		17.0	3.30
GTA	31.6	284	eP	07 19 46.4	−1.2		
QZN	33.3	242	eP	07 20 05.0	2.6		
			cS	07 25 24.0	1.8		
			sS	07 25 34.0	3.2		
			LN	Ms=5.2		20.0	1.64
			LE			20.0	2.27
KMI	34.8	258	+P	07 20 17.0	1.3		
WMQ	39.6	295	eP	07 20 56.5	0.7		
			PP	07 22 33.0	2.8		
			LN	Ms=5.3		20.0	2.57
KSH	49.2	292	eP	07 22 14.0	0.7		

LN Ms = 5.5 14.0 2.40

1985 3 28
O = 14 49 20.7 ± 0.10s
LAT = 7.68 S ± 1.13km
LONG = 146.91 E ± 1.28km
DEPTH = 136 km ± 0.51km
STATIONS USED = 44, STAND DEV = 1.25s

QZN	45.2	306	eP	14 57 26.7	0.9		
			eS	15 03 58.0	3.5		
SSE	45.7	329	eP	14 57 30.6	0.1		
NJ2	47.7	327	+P	14 57 47.2	1.2		
GYA	51.7	312	P	14 58 18.2	1.5		
TIA	51.9	329	eP	14 58 16.6	−0.9		
KMI	54.0	309	+P	14 58 35.0	1.8		
CN2	54.8	341	P	14 58 37.6	−1.6		
XAN	54.9	321	−P	14 58 39.6	−0.5		
BJI	55.3	332	eP	14 58 43.0	0.1		
TIY	55.4	327	eP	14 58 43.2	−0.7		
CD2	56.4	315	P	14 58 51.0	0.4		
BTO	58.8	328	eP	14 59 07.2	−0.6		
GTA	64.0	321	P	14 59 42.9	0.6		
			S	15 08 10.3	5.6		
LSA	65.2	308	eP	14 59 50.5	0.0		
WMQ	74.0	320	iP	15 00 44.0	0.1		

1985 3 28
O = 16 07 05.5 ± 0.07s
LAT = 40.31 N ± 1.24km
LONG = 140.30 E ± 1.14km
DEPTH = 165 km ± 0.28km
STATIONS USED = 124, STAND DEV = 1.28s
m_B = 6.4 / 40

MDJ	9.0	302	+iP	16 09 16.0	2.8		
			sP	16 09 54.0	1.5		
			S	16 10 59.0	6.2		
			SME	m_B = 6.5		7.0	22.6
			ScS	16 22 10.0	0.2		
			LE			8.0	40.7
CN2	11.6	292	+iP	16 09 47.8	0.9		
			PMZ	m_B = 6.5		4.0	6.00
			sP	16 10 28.0	0.0		
			iS	16 11 55.0	1.4		
			SMN	m_B = 6.6		6.0	17.0
SNY	12.7	282	+iP	16 10 03.5	1.9		
			PMZ			13.0	14.4
			sP	16 10 44.4	0.9		
			S	16 12 29.0	9.3		
			LN			11.0	25.7
DL2	14.5	270	+iP	16 10 25.0	1.2		
			PMZ	m_B = 6.9		6.0	29.4
			iS	16 13 03.0	2.6		
			SMN	m_B = 7.0		10.0	62.1
			LE			10.0	22.7
SSE	18.0	245	+iP	16 11 05.0	−1.8		
			PMZ	m_B = 6.7		4.0	12.5
			sP	16 11 51.0	−1.8		
			iS	16 14 19.0	−0.6		
			PcP	16 15 32.0	−1.2		
			ScS	16 22 36.0	5.0		
			LN			12.0	19.5
			LE			12.0	33.8
BJI	18.4	277	+iP	16 11 10.5	−0.6		
			PMZ	m_B = 6.4		4.0	5.83
			S	16 14 27.0	−0.6		
			SMN	m_B = 6.9		7.0	29.1
			LN			15.0	23.5
TIA	18.6	265	+P	16 11 11.9	−1.5		
			PMZ	m_B = 6.7		4.0	11.3
			sP	16 11 59.6	−1.1		
			S	16 14 31.7	−0.2		
			SMN	m_B = 6.9		7.5	33.4
			SME			7.0	10.9
			SS	16 15 12.3	4.2		
			ScS	16 22 33.8	0.9		
			LN			10.0	21.8
			LE			10.0	12.2
			LZ			10.0	16.0
NJ2	19.1	251	+P	16 11 17.0	−1.6		
			PMZ	m_B = 6.7		4.0	10.9
			iS	16 14 41.0	−1.4		
			SMN	m_B = 6.4		8.0	3.70
			SME			7.5	8.70
TIY	21.8	272	+iP	16 11 44.0	−1.1		
			PMZ	m_B = 6.3		4.0	4.10
			pP	16 12 15.0	−0.9		
			S	16 15 34.0	4.0		
			SMN	m_B = 6.6		8.0	16.0
HHC	21.8	281	+P	16 11 45.0	−0.4		
			PMZ	m_B = 6.2		4.0	3.50
			PP	16 12 21.0	2.1		
			sP	16 12 32.0	−4.5		
			iS	16 15 34.0	2.6		
			SMN	m_B = 6.6		8.0	16.0
			LN			10.0	16.7
			LE			10.0	12.0
BTO	23.0	281	+iP	16 11 57.0	0.0		
			PMZ	m_B = 6.3		4.0	3.70
			pP	16 12 27.0	−1.8		
			S	16 15 49.0	−2.1		

			SMN		$m_B=6.6$	8.0	11.5
			SME			8.0	14.2
			LN			10.0	16.9
			LZ			11.0	14.6
WHN	23.2	253	eP	16 11 55.6	−3.4		
			PMZ		$m_B=6.3$	10.0	9.18
			iS	16 15 55.0	−0.5		
			SMN		$m_B=6.2$	12.0	10.4
			SS	16 16 57.0	0.2		
			ScS	16 22 50.0	1.0		
			LE			16.0	33.3
QZH	23.8	236	+iP	16 12 04.0	−0.3		
			PMZ		$m_B=6.9$	4.5	17.8
			pP	16 12 38.0	1.5		
			PP	16 12 51.0	5.5		
			PPMZ			9.0	8.05
			iS	16 16 07.0	2.2		
			LN			10.0	8.54
XAN	25.7	266	+iP	16 12 21.2	−1.2		
			PMZ		$m_B=6.3$	7.0	4.76
			pP	16 12 53.0	−2.4		
			sP	16 13 15.5	0.6		
			S	16 16 43.0	6.8		
			SMN		$m_B=5.9$	7.0	5.25
			LN			11.0	9.07
			LE			11.0	11.6
GZH	28.5	241	+iP	16 12 48.2	0.4		
			pP	16 13 21.0	−0.5		
			sP	16 13 44.0	3.2		
			PP	16 13 48.0	1.6		
			PPMZ			6.0	5.58
			iS	16 17 25.0	2.8		
			SMN		$m_B=6.1$	10.0	12.0
			SS	16 18 57.0	−4.8		
			ScP	16 19 19.0	−0.2		
			LN			14.0	18.4
			LE			14.0	18.9
LZH	28.8	273	+iP	16 12 50.0	−1.0		
			PMZ			2.0	1.50
			pP	16 13 23.0	−1.5		
			cS	16 17 26.0	−1.9		
			sS	16 18 33.5	6.4		
			SMN		$m_B=6.0$	7.0	5.68
			LE			11.5	13.6
GTA	30.9	282	+iP	16 13 09.0	−0.4		
			PcP	16 16 02.8	1.6		
			iS	16 17 57.5	−3.0		
			SME		$m_B=5.7$	11.0	4.42
			ScS	16 23 24.1	1.3		
			LN			16.0	41.1
CD2	31.0	264	P	16 13 08.2	−1.7		
			S	16 17 59.8	−0.7		
			LN			15.0	24.3
GYA	31.1	254	P	16 13 10.0	−1.0		
			PMZ		$m_B=6.5$	5.0	4.40
			pP	16 13 43.0	−2.0		
			PP	16 14 23.0	3.9		
			S	16 18 00.0	−2.4		
			ScS	16 23 21.0	−2.7		
			LE			13.0	37.8
			LZ			13.0	30.3
QZN	33.7	240	iP	16 13 34.0	1.1		
			PMZ		$m_B=6.4$	6.0	4.80
			pP	16 14 05.5	−2.0		
			PP	16 14 53.0	2.7		
			iS	16 18 50.0	7.0		
			SMN		$m_B=6.2$	12.0	8.35
			SME			11.0	8.36
			ScP	16 19 38.0	1.6		
			sS	16 19 43.0	−0.6		
			PcS	16 19 51.0	−2.3		
			LN			12.5	8.82
			LE			11.5	10.0
KMI	34.8	256	+P	16 13 42.0	−0.6		
			PMZ		$m_B=6.5$	5.0	4.90
			sP	16 14 34.0	−2.1		
			PP	16 15 06.0	2.0		
			S	16 18 55.0	−4.2		
			SMN		$m_B=5.9$	10.0	5.40
			LN			12.0	14.6
WMQ	38.7	293	iP	16 14 15.5	0.2		
			pP	16 14 55.0	4.6		
			PcP	16 16 20.0	−3.7		
			iS	16 19 59.0	−0.8		
			LN			10.0	10.3
LSA	41.2	271	+iP	16 14 37.5	1.3		
			S	16 20 41.1	5.4		
			SME			2.0	1.82
			LN			14.0	2.26

1985 3 28

O = 19 40 39.6 ± 0.08s

LAT = 24.94 N ± 1.04km

LONG = 123.99 E ± 0.73km

DEPTH = 110 km ± 0.86km

STATIONS USED = 23, STAND DEV = 1.69s

QZH	4.9	271	+P	19 41 51.0	−1.5
			S	19 42 43.2	−5.1
SSE	6.6	339	eP	19 42 14.4	−1.4
			sP	19 42 46.0	2.7

NJ2	8.4	329	eP	19 42 40.0	−0.2	
GZH	9.9	261	P	19 43 01.5	1.1	
QZN	14.4	249	eP	19 43 57.8	−1.3	
GYA	15.7	279	P	19 44 20.8	4.8	
XAN	15.9	308	eP	19 44 21.2	2.2	
CD2	18.8	293	P	19 44 53.5	−0.1	
CN2	18.9	3	eP	19 44 53.6	−0.1	
GTA	24.9	311	eP	19 45 56.8	2.3	

1985 3 29

O=04 17 23.2 ± 0.10s
LAT=48.71 N ± 0.90km
LONG= 85.94 E ± 0.37km
DEPTH= 7 km ± 0.01km
STATIONS USED = 6, STAND DEV= 2.02s
M_L=3.8 / 6,

WMQ	5.0	165	Pn	04 18 40.4	0.8	
			Sn	04 19 40.6	0.4	
			SMN	M_L=4.9	1.0	1.52

1985 3 29

O=11 15 06.3 ± 0.09s
LAT=29.41 N ± 1.05km
LONG=105.00 E ± 0.89km
DEPTH= 33 km ± 0.09km
STATIONS USED = 76, STAND DEV= 1.89s
Ms=4.8 / 24, M_L=4.8 / 7,

CD2	1.8	325	iPn	11 15 37.4	1.3	
			Sg	11 16 04.0	−0.7	
			LN		3.5	25.3
GYA	3.3	153	Pn	11 15 57.0	0.9	
			Pg	11 16 07.0	2.4	
			Sg	11 16 53.0	3.2	
			LN		3.0	7.20
			LE		3.0	39.7
			LZ		3.0	31.7
KMI	4.7	206	Pn	11 16 17.0	1.1	
			Pg	11 16 33.5	3.7	
			Sn	11 17 11.0	0.1	
			Sg	11 17 32.0	−2.5	
			SMN		3.0	8.30
			SME		3.0	7.70
			LE	Ms=5.0	5.0	13.2
XAN	5.7	35	iPn	11 16 30.6	1.5	
			Pg	11 16 50.8	3.9	
			Sn	11 17 35.4	0.4	
			Sg	11 18 05.8	0.9	
			LN	Ms=5.2	6.0	8.91
			LE		6.0	15.7
LZH	6.7	352	cPn	11 16 46.5	3.1	
			Sn	11 18 07.5	7.0	
			LE		3.0	2.89
WHN	8.2	80	eP	11 17 04.5	−1.2	
			S	11 18 40.0	2.1	
			LN	Ms=4.4	10.0	2.45
GZH	9.8	128	iP	11 17 26.1	−1.8	
			LN	Ms=5.3	8.0	8.23
			LE		8.0	8.78
TIY	10.3	35	iP	11 17 33.5	−2.1	
			LN	Ms=4.8	10.0	4.50
GTA	10.9	338	+iP	11 17 43.0	0.3	
			LN	Ms=4.3	9.0	1.17
QZN	11.2	156	eP	11 17 46.5	−1.4	
			LN	Ms=5.0	9.0	3.80
			LE		9.0	3.70
BTO	11.9	19	eP	11 17 54.7	−2.1	
LSA	12.1	275	eP	11 17 58.1	−1.4	
NJ2	12.2	74	eP	11 17 58.0	−2.9	
			LE	Ms=4.7	8.0	1.80
TIA	12.2	53	P	11 18 02.0	0.6	
			S	11 20 18.0	0.7	
			LN	Ms=4.6	8.0	1.53
BJI	14.0	38	eP	11 18 24.5	−0.4	
			LN	Ms=4.7	9.0	1.85
SSE	14.1	79	eP	11 18 26.0	0.1	
			cS	11 21 04.0	1.8	
			LE	Ms=5.2	12.0	7.80
			LZ	Ms=5.3	12.0	9.43
DL2	16.7	51	eP	11 19 00.0	0.7	
			LN	Ms=4.7	14.0	1.53
			LE		14.0	1.38
SNY	19.5	46	+P	11 19 33.8	0.3	
			S	11 23 08.5	3.1	
			LE	Ms=4.6	17.0	1.64
WMQ	19.9	321	eP	11 19 37.6	−1.0	
			S	11 23 20.0	4.5	
			LZ	Ms=4.7	12.0	1.45
CN2	21.7	43	P	11 19 57.4	0.5	
			cS	11 23 53.0	2.4	
			LE	Ms=4.6	14.0	1.10
MDJ	24.7	45	eP	11 20 27.5	1.6	

1985 3 29

O=13 28 11.8 ± 0.07s
LAT=29.35 N ± 0.82km
LONG=105.06 E ± 0.78km
DEPTH= 33 km ± 0.22km
STATIONS USED = 18, STAND DEV= 2.29s
M_L=3.8 / 12,

CD2	1.9	324	Pg	13 28 43.0	−3.1	

			Sg	13 29 08.2	−4.3		
			LN			3.0	2.80
GYA	3.2	153	Pn	13 29 02.0	1.5		
			Pg	13 29 12.6	3.8		
			Sg	13 30 00.0	7.1		
			SMN	$M_L = 2.8$		0.8	0.030
			SME			0.8	0.030
KMI	4.7	207	Pn	13 29 21.5	0.5		
			Pg	13 29 35.5	0.7		
			Sn	13 30 17.5	1.9		
			SMN			3.0	0.18
			SME			3.0	0.23
XAN	5.7	34	Pn	13 29 35.6	0.8		
			Pg	13 29 56.4	3.7		
			Sn	13 30 40.0	−0.9		
			Sg	13 31 12.5	1.5		
			SMN	$M_L = 4.0$		1.0	0.15
			SME			1.0	0.13
WHN	8.1	79	cP	13 30 13.0	2.3		
			cS	13 31 46.4	3.9		
			SMZ	$M_L = 3.6$		1.0	0.010
GZH	9.7	128	cP	13 30 30.0	−2.3		
			cS	13 32 18.7	−2.6		

1985 3 29
O = 16 10 45.5 ± 0.08s
LAT = 29.36 N ± 0.83km
LONG = 105.01 E ± 0.86km
DEPTH = 32 km ± 0.18km
STATIONS USED = 25, STAND DEV = 2.27s
M_L = 4.0 / 11,

CD2	1.9	325	+iPg	16 11 17.6	−1.7		
			Sg	16 11 42.8	−2.4		
			LN			3.0	4.20
GYA	3.2	153	Pn	16 11 36.4	1.6		
			Pg	16 11 46.6	3.7		
			Sg	16 12 35.2	7.8		
			SMN	$M_L = 3.9$		0.8	0.40
			SME			0.8	0.40
KMI	4.7	206	cPn	16 11 56.0	1.4		
			Pg	16 12 12.5	4.3		
			Sn	16 12 51.5	2.3		
			SMN			2.0	0.22
			SME			3.0	0.45
XAN	5.7	35	Pn	16 12 10.0	1.1		
			Pg	16 12 29.2	2.4		
			SMN	$M_L = 4.4$		1.2	0.28
			SME			1.2	0.30
WHN	8.2	79	cP	16 12 48.0	2.9		
			cS	16 14 17.0	−0.5		
			SMZ	$M_L = 4.1$		1.2	0.30
GZH	9.7	128	cP	16 13 05.0	−1.6		
			cS	16 14 50.0	−6.2		
BTO	11.9	19	cP	16 13 36.5	−0.2		
TIA	12.3	53	cP	16 13 41.9	0.9		

1985 3 29
O = 20 32 33.8 ± 0.10s
LAT = 29.35 N ± 1.12km
LONG = 105.07 E ± 1.22km
DEPTH = 29 km ± 0.19km
STATIONS USED = 28, STAND DEV = 2.86s
M_L = 4.0 / 8,

CD2	1.9	324	Pg	20 33 06.6	−1.7		
			Sg	20 33 31.4	−3.4		
			LN			3.0	3.90
GYA	3.2	154	Pn	20 33 25.6	2.8		
			Pg	20 33 36.8	6.3		
			Sg	20 34 20.0	5.5		
			SMN	$M_L = 3.9$		0.8	0.40
			SME			0.8	0.40
KMI	4.7	207	cPn	20 33 45.0	1.6		
			Pg	20 34 02.0	5.2		
			Sn	20 34 41.5	3.1		
			SMN			2.5	0.20
			SME			3.0	0.30
XAN	5.7	34	Pn	20 33 59.0	1.8		
			Pg	20 34 18.8	4.1		
			Sn	20 35 03.6	0.1		
			Sg	20 35 36.0	3.2		
			SMN	$M_L = 4.2$		1.0	0.20
			SME			1.0	0.18
LZH	6.8	352	cPn	20 34 16.5	4.2		
WHN	8.1	79	cP	20 34 36.0	3.1		
			cS	20 36 02.5	−2.2		
GZH	9.7	128	cP	20 34 53.0	−1.5		
			cS	20 36 44.2	0.7		
TIY	10.4	34	cP	20 35 01.5	−2.2		
BTO	11.9	19	cP	20 35 23.1	−2.1		
TIA	12.2	53	cP	20 35 31.1	2.0		
CN2	21.7	43	cP	20 37 26.2	1.3		

1985 3 29
O = 20 45 40.4 ± 0.05s
LAT = 29.58 N ± 0.47km
LONG = 104.94 E ± 0.57km
DEPTH = 5 km ± 0.13km
STATIONS USED = 5, STAND DEV = 1.37s
M_L = 2.7 / 3,

CD2	1.7	323	iPg	20 46 11.2	1.1		

			iSg	20 46 36.0	3.1		
			SMN	M_L = 3.1		0.4	0.20
GYA	3.5	154	Pg	20 46 42.4	0.7		
			Sg	20 47 28.2	−0.6		
			SMN	M_L = 2.4		1.0	0.010
XAN	5.6	36	Pn	20 47 04.6	0.1		
			Sn	20 48 08.2	−3.1		
			Sg	20 48 37.6	2.2		

1985 3 30
O = 10 40 47.2 ± 0.09s
LAT = 5.89 S ± 0.99km
LONG = 146.46 E ± 1.10km
DEPTH = 44 km ± 0.50km
STATIONS USED = 28, STAND DEV = 1.33s

SSE	44.0	328	cP	10 48 54.0	1.4		
WHN	47.5	322	cP	10 49 22.0	1.6		
TIA	50.1	329	cP	10 49 39.8	−0.7		
GYA	50.2	312	cP	10 49 42.6	1.2		
KMI	52.5	308	cP	10 49 59.0	0.2		
XAN	53.3	321	P	10 50 03.7	−0.6		
BJI	53.5	331	cP	10 50 05.0	−1.3		
CD2	54.8	315	cP	10 50 16.3	0.6		
LZH	57.8	320	cP	10 50 36.5	−0.5		
WMQ	72.4	319	P	10 52 10.7	−0.5		

1985 3 30
O = 14 54 33.7 ± 0.04s
LAT = 32.54 N ± 0.43km
LONG = 121.59 E ± 0.36km
DEPTH = 33 km ± 0.55km
STATIONS USED = 6, STAND DEV = 1.87s

M_L = 3.1 / 7,

SSE	1.5	194	cPn	14 54 58.2	−0.3		
			Pg	14 54 58.2	−2.2		
			Sn	14 55 17.4	−0.7		
			Sg	14 55 18.2	−2.9		
			SMN	M_L = 3.5		0.4	0.64
			SME			0.4	0.61
NJ2	2.4	259	Pg	14 55 14.8	−1.2		
			Sg	14 55 46.0	−2.6		
			SMN	M_L = 3.0		0.4	0.10
			SME			0.4	0.10

1985 3 30
O = 20 32 22.1 ± 0.13s
LAT = 32.90 N ± 1.43km
LONG = 93.73 E ± 1.46km
DEPTH = 48 km ± 0.26km
STATIONS USED = 41, STAND DEV = 2.29s

Ms = 4.6 / 11, M_L = 4.9 / 4, m_B = 5.0 / 2

LSA	3.9	215	P	20 33 25.2	3.7		
			SME	M_L = 4.9		1.8	3.01
GTA	8.1	35	−P	20 34 20.6	−0.1		
			LN	Ms = 4.0		12.0	1.22
CD2	8.7	100	−iP	20 34 29.8	0.8		
LZH	8.9	66	eP	20 34 35.5	3.9		
			LN	Ms = 4.4		9.0	1.73
KMI	11.0	132	+P	20 34 58.5	−2.2		
WMQ	11.9	338	iP	20 35 06.0	−5.8		
XAN	12.7	81	eP	20 35 20.6	−2.6		
GYA	12.9	116	P	20 35 23.0	−3.0		
			S	20 37 47.0	−1.1		
			LN	Ms = 4.7		9.0	1.60
			LE			9.0	1.30
			LZ	Ms = 4.4		9.0	1.10
BTO	15.1	55	eP	20 35 52.3	−2.3		
TIY	16.0	67	eP	20 36 08.4	2.7		
WHN	17.7	92	eP	20 36 28.5	1.6		
BJI	19.4	62	eP	20 36 47.0	0.2		
			LN	Ms = 4.6		13.0	1.25
TIA	19.5	74	P	20 36 48.0	−0.6		
			LN	Ms = 4.5		12.0	0.76
			LE			12.0	0.45
NJ2	21.2	85	eP	20 37 05.4	−0.6		
			LE	Ms = 5.0		19.0	3.90
SSE	23.3	87	eP	20 37 27.0	−0.1		
SNY	25.2	61	eP	20 37 46.0	0.5		
			S	20 42 12.5	8.3		
			LN	Ms = 4.6		18.0	1.18
CN2	27.0	57	eP	20 38 04.0	2.2		
			cS	20 42 38.0	4.2		
			LN	Ms = 5.2		20.0	4.30
			LE			20.0	1.60

1985 3 30
O = 20 59 56.7 ± 0.07s
LAT = 29.55 N ± 0.68km
LONG = 104.95 E ± 0.69km
DEPTH = 7 km ± 0.15km
STATIONS USED = 7, STAND DEV = 1.49s

M_L = 2.9 / 5,

CD2	1.7	323	Pg	21 00 28.2	1.3		
			Sg	21 00 51.7	1.6		
			SMN	M_L = 3.4		0.6	0.20
			SME			0.6	0.70
GYA	3.4	153	Pg	21 00 58.8	1.3		
			Sg	21 01 41.6	−2.6		
			SMN	M_L = 3.1		1.0	0.060
XAN	5.6	36	cPn	21 01 20.7	−0.3		

	Pg	21 01 38.2	2.4			
	Sg	21 02 54.8	2.3			
	SMN	M_L=2.9		0.6	0.010	
	SME			0.6	0.010	

1985 3 31
O=04 36 02.2 ± 0.07s
LAT= 4.98 S ± 1.84km
LONG= 68.76 E ± 1.75km
DEPTH= 12 km ± 0.47km
STATIONS USED = 20, STAND DEV= 1.40s

GYA	48.2	48	P	04 44 44.4	−0.8	
CD2	48.9	41	−P	04 44 50.1	−0.4	
			PMZ		1.2	0.030
WMQ	51.5	17	P	04 45 11.5	1.1	
GTA	52.6	30	P	04 45 18.5	−0.7	
XAN	54.2	41	+P	04 45 29.5	−1.4	
TIA	61.0	44	eP	04 46 17.3	−1.3	
SSE	61.5	51	eP	04 46 21.5	−0.5	
CN2	70.3	40	eP	04 47 18.0	−0.4	

1985 3 31
O=20 56 16.6 ± 0.10s
LAT=28.69 N ± 1.29km
LONG=140.53 E ± 1.66km
DEPTH=135 km ± 1.48km
STATIONS USED = 12, STAND DEV= 1.80s

TIA	21.1	297	eP	21 00 51.7	−0.3	
BJI	23.0	306	eP	21 01 15.0	4.4	
TIY	25.1	298	eP	21 01 29.3	−1.5	
XAN	27.4	289	eP	21 01 52.0	−0.3	
BTO	27.6	304	eP	21 01 52.5	−1.6	
GTA	35.1	299	eP	21 02 59.5	−0.1	

1985 3 31
O=21 09 09.3 ± 0.07s
LAT=28.73 N ± 0.88km
LONG=140.66 E ± 1.11km
DEPTH=128 km ± 1.01km
STATIONS USED = 10, STAND DEV= 1.37s

TIA	21.2	297	eP	21 13 45.8	−0.3	
TIY	25.2	298	eP	21 14 23.5	−1.3	
BTO	27.7	303	eP	21 14 50.8	2.7	
CD2	32.0	283	eP	21 15 26.3	0.3	
GTA	35.2	299	eP	21 15 52.8	−0.8	

1985 3 31
O=21 24 45.5 ± 0.15s
LAT=29.53 N ± 2.50km
LONG=141.16 E ± 3.01km
DEPTH=253 km ± 1.55km
STATIONS USED = 16, STAND DEV= 2.98s

SNY	18.8	315	eP	21 28 42.4	−5.9
NJ2	19.3	283	eP	21 28 56.0	2.3
TIA	21.2	295	eP	21 29 12.4	−0.3
BJI	23.0	304	eP	21 29 32.0	2.5
TIY	25.2	296	eP	21 29 51.8	1.5
BTO	27.6	302	eP	21 30 15.5	3.0
XAN	27.7	288	eP	21 30 13.4	0.4
CD2	32.3	282	P	21 30 50.6	−2.3
GTA	35.2	297	eP	21 31 16.0	−2.2

1985 3 31
O=21 38 07.2 ± 0.07s
LAT=28.72 N ± 1.91km
LONG=140.49 E ± 1.29km
DEPTH=110 km ± 1.29km
STATIONS USED = 37, STAND DEV= 1.48s

NJ2	19.0	285	eP	21 42 23.6	1.2
SNY	19.0	318	eP	21 42 24.7	2.1
CN2	19.3	325	eP	21 42 28.2	2.3
TIA	21.0	297	eP	21 42 43.6	−0.6
WHN	22.8	281	eP	21 42 58.5	−2.6
BJI	23.0	306	eP	21 43 04.5	1.7
TIY	25.1	298	eP	21 43 22.0	−1.1
HHC	26.5	305	eP	21 43 36.2	−0.7
XAN	27.4	289	+P	21 43 44.8	0.0
BTO	27.6	304	eP	21 43 44.9	−1.6
GYA	30.0	274	eP	21 44 10.6	2.4
CD2	31.9	283	P	21 44 23.8	−0.5
GTA	35.1	299	P	21 44 50.5	−1.6
WMQ	44.4	305	P	21 46 08.5	−0.7