Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
				1985 8 1			
				O = 02 08 59.6 ± 0.11s			
				LAT = 24.74 N ± 1.56km			
				LONG = 114.79 E ± 0.98km			
				DEPTH = 8 km ± 0.35km			
				STATIONS USED = 10, STAND DEV = 2.69s			
				$M_L = 3.5$ / 5,			
GZH	2.1	219	iPn	02 09 39.3	3.7		
			iSn	02 10 06.1	2.2		
			SMN	$M_L = 3.5$		0.5	0.35
			SME			0.5	0.41
QZH	3.5	86	cPn	02 09 53.3	−0.8		
			eSn	02 10 33.4	−3.8		
			SMN	$M_L = 3.5$		0.6	0.15
			SME			0.6	0.10
GYA	7.5	285	cPn	02 10 49.8	−0.5		
				1985 8 1			
				O = 02 14 52.1 ± 0.12s			
				LAT = 44.00 N ± 2.78km			
				LONG = 147.90 E ± 1.58km			
				DEPTH = 17 km ± 1.98km			
				STATIONS USED = 20, STAND DEV = 2.22s			
MDJ	13.1	279	cP	02 18 02.0	1.0		
BJI	23.8	271	cP	02 20 00.5	−5.0		
TIA	24.7	262	cP	02 20 12.7	−1.3		
NJ2	25.7	252	cP	02 20 25.0	1.7		
LZH	34.3	272	cP	02 21 40.0	−0.5		
GTA	35.8	280	P	02 21 52.9	−0.3		
CD2	37.0	264	P	02 22 02.9	−0.1		
GYA	37.5	256	P	02 22 06.8	−0.8		
				1985 8 1			
				O = 02 51 11.4 ± 0.15s			
				LAT = 24.72 N ± 1.03km			
				LONG = 114.87 E ± 1.42km			
				DEPTH = 9 km ± 0.57km			
				STATIONS USED = 10, STAND DEV = 3.70s			
				$M_L = 3.3$ / 6,			
GZH	2.1	221	−iPn	02 51 48.0	0.3		
			Sn	02 52 15.0	−1.3		
			SMN	$M_L = 3.2$		0.5	0.16
			SME			0.5	0.18
QZH	3.4	85	cPn	02 52 01.6	−3.3		
			eSn	02 52 42.1	−5.2		
			SMN	$M_L = 3.2$		0.6	0.090
			SME			0.6	0.040
				1985 8 1			
				O = 04 17 09.8 ± 0.09s			
				LAT = 36.36 N ± 1.17km			
				LONG = 71.13 E ± 0.87km			
				DEPTH = 73 km ± 0.34km			
				STATIONS USED = 26, STAND DEV = 1.60s			
KSH	4.9	50	cP	04 18 27.0	3.6		
			S	04 19 24.0	4.7		
WMQ	14.7	54	cP	04 20 35.0	−0.4		
			pP	04 20 45.5	−3.0		
			S	04 23 11.5	−4.9		
LSA	18.0	106	cP	04 21 17.1	−0.7		
GYA	31.7	98	cP	04 23 32.0	2.4		
				1985 8 1			
				O = 05 27 44.4 ± 0.09s			
				LAT = 2.25 S ± 1.01km			
				LONG = 133.66 E ± 2.51km			
				DEPTH = 29 km ± 0.55km			
				STATIONS USED = 11, STAND DEV = 2.34s			
QZN	31.6	313	cP	05 34 06.8	−0.1		
XAN	43.0	329	cP	05 35 42.0	−1.1		
BJI	45.0	341	cP	05 35 57.0	−2.8		
MDJ	46.8	356	cP	05 36 18.7	4.9		
GTA	51.8	327	cP	05 36 52.0	−0.6		
				1985 8 1			
				O = 05 37 53.7 ± 0.09s			
				LAT = 7.59 S ± 0.92km			
				LONG = 127.53 E ± 1.38km			
				DEPTH = 131 km ± 0.59km			
				STATIONS USED = 49, STAND DEV = 1.28s			
QZN	31.7	327	cP	05 44 07.6	0.3		
QZH	33.5	345	cP	05 44 22.5	−0.4		
GZH	33.5	336	+iP	05 44 23.8	0.8		
GYA	39.4	330	P	05 45 14.4	1.3		
WHN	40.0	342	cP	05 45 18.5	1.2		
NJ2	40.3	349	cP	05 45 20.6	0.8		
KMI	40.5	324	cP	05 45 23.5	1.6		
CD2	44.5	330	cP	05 45 54.4	−0.2		
XAN	45.0	338	P	05 45 55.6	−2.7		
DL2	46.6	354	cP	05 46 10.0	−0.6		
BJI	48.5	348	cP	05 46 24.4	−1.5		
LZH	48.8	334	P	05 46 29.0	0.7		
LSA	51.0	318	P	05 46 44.1	−0.9		

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CN2	51.2	358	cP	05 46 44.2	−1.9			
GTA	53.4	333	+P	05 47 02.0	−0.4			
WMQ	62.6	329	P	05 48 05.5	−1.4			

1985 8 1
O = 08 01 29.2 ± 0.07s
LAT = 18.84 S ± 0.98km
LONG = 168.45 E ± 1.81km
DEPTH = 42 km ± 0.86km
STATIONS USED = 29, STAND DEV = 1.33s

MDJ	72.4	332	+P	08 12 53.6	−0.1			
CN2	73.7	329	+P	08 13 00.8	−0.7			
GYA	75.0	305	P	08 13 09.4	0.6			
BJI	76.2	321	cP	08 13 15.0	−0.4			
XAN	77.3	313	cP	08 13 22.4	0.5			
KMI	77.4	302	cP	08 13 23.5	0.7			
			pP	08 13 35.0	1.1			
CD2	79.4	308	P	08 13 34.5	1.0			

1985 8 1
O = 09 18 22.3 ± 0.14s
LAT = 36.24 N ± 1.71km
LONG = 71.36 E ± 1.67km
DEPTH = 111 km ± 0.64km
STATIONS USED = 19, STAND DEV = 2.67s
M_L = 4.9 / 1,

KSH	4.9	47	cP	09 19 34.0	−0.8			
			S	09 20 30.0	0.0			
			LN			6.0	2.70	
WMQ	14.6	54	cP	09 21 42.4	−2.5			
			S	09 24 19.5	−4.4			
			sS	09 24 37.5	−4.4			
			LN			2.0	0.040	
GTA	22.7	73	+iP	09 23 19.0	3.8			
LZH	26.2	81	cP	09 23 53.0	4.4			
CD2	27.4	92	P	09 24 02.0	1.9			

1985 8 1
O = 12 13 43.7 ± 0.06s
LAT = 29.17 N ± 1.11km
LONG = 95.16 E ± 0.96km
DEPTH = 25 km ± 0.26km
STATIONS USED = 123, STAND DEV = 1.67s
Ms = 5.7 / 38, M_L = 5.9 / 1, m_B = 5.7 / 12

LSA	3.5	280	iPn	12 14 42.8	4.7			
			iSn	12 15 24.0	3.6			
			LN	Ms = 5.4		5.0	46.2	
CD2	7.6	75	cPn	12 15 38.2	4.1			
			Sn	12 17 02.0	−0.1			
			LN	Ms = 5.9		5.0	45.2	
KMI	7.9	119	−Pn	12 15 40.0	2.8			
			Sn	12 17 08.0	0.7			
LZH	10.1	44	−iP	12 16 11.0	1.0			
			ScS	12 29 22.0	0.9			
			LN	Ms = 5.7		7.0	12.0	
			LE			8.0	24.0	
GYA	10.5	102	P	12 16 15.0	−1.5			
			PP	12 16 26.4	1.9			
			S	12 18 08.0	−6.3			
			SMN	m_B = 5.5		5.0	2.50	
			LN	Ms = 5.5		10.0	21.2	
GTA	10.9	19	P	12 16 21.0	−0.8			
			S	12 18 20.0	−3.6			
			LZ	Ms = 5.8		6.5	27.3	
XAN	12.7	64	P	12 16 44.1	−1.6			
			S	12 19 00.0	−6.7			
			LN	Ms = 5.7		10.0	17.2	
			LE			8.0	12.2	
WMQ	15.8	340	cP	12 17 25.6	−0.9			
			pP	12 17 32.8	0.0			
			S	12 20 20.5	0.2			
			sS	12 20 31.0	−0.2			
			LN	Ms = 5.7		14.0	15.6	
			LE			16.0	17.8	
BTO	16.7	43	+iP	12 17 36.0	−1.5			
			PMZ	m_B = 5.6		5.0	1.50	
			pP	12 17 43.5	−0.4			
			S	12 20 37.0	−3.4			
			SMN	m_B = 5.6		8.0	1.50	
			SME			8.0	2.10	
			sS	12 20 49.0	−2.4			
			LN	Ms = 5.8		11.0	20.3	
			LE			12.0	12.2	
			LZ	Ms = 5.9		12.0	26.6	
WHN	16.7	81	cP	12 17 37.0	−0.9			
			pP	12 17 45.0	0.6			
			sP	12 17 49.5	0.9			
			iPP	12 17 50.0	−1.5			
			iS	12 20 47.0	5.1			
			SMN	m_B = 5.6		8.0	2.68	
			iLG_1	12 22 30.0	1.6			
			iLG_2	12 22 54.0	−0.8			
			LN	Ms = 5.3		12.0	7.61	
TIY	16.7	55	P	12 17 36.0	−2.3			
			PMZ			1.4	0.26	
			S	12 20 36.0	−5.9			
			sS	12 20 47.0	−5.9			
			LN	Ms = 5.6		14.0	17.3	
QZN	16.8	124	+P	12 17 37.0	−1.6			
			pP	12 17 43.0	−2.1			

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			sP	12 17 49.0	−0.3		
			PP	12 17 53.0	0.7		
			S	12 20 46.5	3.8		
			sS	12 20 55.5	1.8		
			SS	12 21 10.0	7.1		
			LN	Ms = 5.2		11.0	2.90
			LE			12.0	3.90
GZH	17.4	106	eP	12 17 47.9	1.2		
			S	12 21 02.0	4.6		
			LG_2	12 23 16.0	−2.0		
			LN	Ms = 5.7		8.0	8.98
			LE			8.0	5.76
HHC	17.8	45	P	12 17 50.2	−1.0		
			eS	12 21 03.0	−3.1		
			LN	Ms = 6.0		11.0	21.0
			LE			10.0	19.6
			LZ	Ms = 5.9		10.0	23.8
KSH	18.8	308	P	12 18 07.0	2.3		
			iS	12 21 35.0	4.1		
			LE	Ms = 5.6		10.0	10.6
TIA	19.7	64	−P	12 18 14.4	−0.4		
			PMZ	m_B = 5.5		8.5	1.99
			eS	12 21 47.5	−3.5		
			SMN	m_B = 5.8		11.0	3.77
			SME			10.0	2.67
			eScS	12 29 42.4	−3.4		
			LN	Ms = 5.1		10.0	2.56
			LE			10.0	1.59
			LZ	Ms = 5.3		14.0	5.78
BJI	20.4	52	eP	12 18 21.0	−0.4		
			PMZ	m_B = 5.5		9.0	1.95
			S	12 22 00.6	−2.4		
			SME	m_B = 6.0		7.0	4.38
			LN	Ms = 6.1		8.0	15.8
			LE			8.0	11.5
NJ2	20.6	76	+P	12 18 23.5	−0.1		
			sP	12 18 35.0	0.1		
			S	12 22 05.5	−1.6		
			sS	12 22 17.0	−2.3		
			LN	Ms = 5.6		12.0	9.50
QZH	21.3	96	−P	12 18 30.7	0.0		
			sP	12 18 43.5	1.5		
			cPP	12 18 53.5	−0.5		
			cS	12 22 17.5	−3.6		
			sS	12 22 30.5	−2.7		
			ScS	12 29 53.5	2.4		
			LN	Ms = 5.8		12.0	12.8
			LE			11.5	4.98
SSE	22.6	79	+P	12 18 45.0	1.3		
			pP	12 18 54.0	2.7		
			sP	12 18 58.0	3.0		
			iS	12 22 50.0	4.9		
			SMN	m_B = 6.0		8.0	3.03
			SME			8.0	2.37
			sS	12 23 00.0	2.5		
			eSS	12 23 28.0	1.5		
			ScP	12 26 12.0	0.2		
			LN	Ms = 6.0		20.0	30.3
			LE			16.0	7.16
			LZ	Ms = 5.5		16.0	8.43
DL2	23.9	59	iP	12 18 58.0	1.2		
			sP	12 19 10.0	1.9		
			S	12 23 11.0	3.0		
			SMN	m_B = 6.0		8.0	2.15
			SME			8.0	2.74
			LN	Ms = 5.5		12.0	2.00
			LE			12.0	5.47
SNY	26.2	54	+P	12 19 18.9	0.1		
			S	12 23 37.5	−9.3		
			LN	Ms = 5.6		10.0	3.80
			LE			8.0	3.03
MDJ	31.3	51	−P	12 20 04.0	−0.3		
			sP	12 20 16.0	0.3		
			ePP	12 21 03.8	−3.3		
			eS	12 25 04.0	−4.6		
			LE	Ms = 5.5		12.0	4.24
			ScS	12 30 34.0	0.3		

1985 8 1

O = 14 35 02.1 ± 0.10s
LAT = 45.66 N ± 1.10km
LONG = 26.53 E ± 0.77km
DEPTH = 104 km ± 0.70km
STATIONS USED = 69, STAND DEV = 1.40s

KSH	36.5	82	cP	14 42 01.5	2.2		
WMQ	42.5	70	cP	14 42 51.0	1.4		
			pP	14 43 13.5	0.2		
			S	14 49 06.0	2.9		
			SMN			2.0	0.40
			ScS	14 52 42.0	4.9		
LSA	52.2	84	P	14 44 05.0	−0.3		
GTA	52.6	69	P	14 44 08.1	−0.1		
			pP	14 44 32.8	0.3		
LZH	57.1	70	+P	14 44 41.5	0.6		
BTO	58.5	63	eP	14 44 51.0	0.7		
HHC	59.3	62	eP	14 44 55.6	−0.3		
CD2	60.2	75	eP	14 45 02.8	1.1		
XAN	61.7	69	eP	14 45 11.9	−0.2		
TIY	61.7	64	pP	14 45 35.2	−3.0		
			LE			12.0	0.21

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BJI	62.6	60	eP	14 45 17.5	−0.6	
KMI	63.1	81	−P	14 45 21.5	−0.2	
			pP	14 45 46.0	−0.7	
			S	14 53 46.0	4.5	
			sS	14 54 27.0	0.4	
GYA	64.9	77	P	14 45 33.8	0.3	
			pP	14 46 01.0	2.2	
			S	14 54 04.0	−0.2	
			sS	14 54 52.0	2.4	
CN2	65.6	52	P	14 45 37.4	−0.3	
WHN	67.4	69	eP	14 45 48.5	−0.8	
NJ2	69.4	65	−P	14 46 00.8	−0.4	
QZN	72.0	81	eP	14 46 18.2	0.8	

1985 8 1
O=15 07 19.1 ± 0.12s
LAT=31.94 N ± 1.05km
LONG=101.81 E ± 1.42km
DEPTH= 13 km ± 0.36km
STATIONS USED = 20, STAND DEV= 3.22s
M_L=3.8/ 8,

CD2	2.0	121	−iPg	15 07 54.6	0.8		
			Sg	15 08 22.0	1.5		
			SME	M_L=3.8		0.6	0.77
LZH	4.5	22	ePn	15 08 27.0	−0.2		
			Sg	15 09 39.0	−0.1		
			SMN			2.0	0.18
			SME			2.0	0.20
XAN	6.3	69	ePn	15 08 52.0	−0.7		
			Pg	15 09 15.4	4.5		
			Sg	15 10 36.2	−1.3		
			SMN	M_L=3.7		0.7	0.050
			SME			0.7	0.050
KMI	6.8	173	ePn	15 09 01.0	1.2		
GYA	6.9	141	Pn	15 09 06.0	5.3		
			Pg	15 09 23.6	2.5		
			Sg	15 10 57.4	1.7		
			SMN	M_L=4.3		1.2	0.11
			SME			1.2	0.14
GTA	7.6	348	cPg	15 09 38.3	4.2		

1985 8 1
O=23 09 00.6 ± 0.14s
LAT=46.98 N ± 0.30km
LONG= 90.14 E ± 0.78km
DEPTH= 15 km ± 1.00km
STATIONS USED = 9, STAND DEV= 2.86s
M_L=4.3/ 5,

WMQ	3.6	209	Pn	23 09 59.4	2.9		
			Sg	23 10 52.2	−1.2		
GTA	10.3	134	eP	23 11 31.3	−0.8		

1985 8 1
O=23 15 13.5 ± 0.15s
LAT=57.67 S ± 4.08km
LONG= 25.37 W ± 4.26km
DEPTH= 30 km ± 0.63km
STATIONS USED = 47, STAND DEV= 2.53s
Ms=5.6/ 1,

GYA	134.1	112	PKP	23 34 31.0	1.4		
WMQ	137.2	79	−ePKP	23 34 29.0	−6.3		
LZH	140.3	101	ePKP	23 34 41.0	0.0		
GTA	140.6	93	ePKP	23 34 35.2	−6.3		
XAN	141.4	108	PKP	23 34 37.3	−5.5		
NJ2	144.6	121	−PKP	23 34 48.0	−0.3		
SSE	144.9	125	−PKP	23 34 49.0	0.3		
			LN	Ms=5.6		18.0	0.59
TIY	146.0	108	+PKP	23 34 52.0	1.2		
BTO	146.9	102	ePKP	23 34 52.5	0.2		
TIA	147.2	115	ePKP	23 34 55.4	2.7		
HHC	147.9	103	+iPKP	23 34 58.0	4.1		
BJI	149.7	109	ePKP	23 35 00.2	3.5		
DL2	151.5	117	ePKP	23 35 05.6	6.2		
CN2	157.1	115	ePKP	23 35 03.0	−4.2		

1985 8 2
O=00 47 10.0 ± 0.06s
LAT=23.92 N ± 0.70km
LONG=122.06 E ± 0.85km
DEPTH= 12 km ± 1.01km
STATIONS USED = 8, STAND DEV= 2.12s
M_L=3.3/ 2,

QZH	3.3	289	−Pn	00 48 03.2	1.1		
			Sn	00 48 40.7	−2.7		
			SMN	M_L=3.3		0.3	0.10
			SME			0.4	0.080

1985 8 2
O=03 05 47.3 ± 0.10s
LAT=24.31 S ± 2.62km
LONG=179.76 E ± 2.01km
DEPTH=506 km ± 0.70km
STATIONS USED = 32, STAND DEV= 1.57s

NJ2	80.8	311	+iP	03 17 10.8	1.6
WHN	83.1	308	P	03 17 22.3	1.3
CN2	84.1	324	−P	03 17 26.2	0.2
GYA	86.8	301	P	03 17 40.0	0.9
TIY	88.3	313	eP	03 17 47.7	1.4
XAN	88.8	308	−P	03 17 49.8	1.1
CD2	91.1	303	eP	03 18 01.2	1.9

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1985 8 2
O = 03 20 35.9 ± 0.09s
LAT = 36.10 N ± 1.59km
LONG = 70.87 E ± 1.03km
DEPTH = 88 km ± 0.19km
STATIONS USED = 30, STAND DEV = 1.83s

KSH	5.3	49	P	03 21 57.0	3.3		
			S	03 22 58.0	4.8		
			LN			3.0	3.05
WMQ	15.0	54	cP	03 24 03.0	−1.8		
			pP	03 24 19.0	0.7		
			S	03 26 47.0	−1.6		
GTA	23.1	73	+iP	03 25 37.1	2.3		
			PP	03 26 15.1	6.6		
XAN	31.1	82	cP	03 26 48.6	0.3		
GYA	31.9	97	P	03 26 56.6	1.0		

1985 8 2
O = 03 49 41.9 ± 0.11s
LAT = 37.75 N ± 1.37km
LONG = 98.95 E ± 1.07km
DEPTH = 14 km ± 0.26km
STATIONS USED = 14, STAND DEV = 2.80s
M_L = 3.5 / 6,

GTA	1.8	22	Pn	03 50 13.4	0.4		
			Pg	03 50 14.4	0.8		
			Sg	03 50 37.7	−0.5		
			SMN	M_L = 3.0		0.8	0.12
			SME			0.8	0.16
LZH	4.3	111	Pn	03 50 44.5	−2.4		
			Pg	03 50 59.5	2.5		
			Sg	03 51 53.0	−2.2		
			SMN	M_L = 3.9		1.5	0.19
			SME			1.0	0.23
XAN	8.9	112	cP	03 51 57.5	4.3		
WMQ	10.5	309	cP	03 52 16.0	1.0		
			cS	03 54 13.0	−0.3		
			LN			2.0	0.020
GYA	13.0	148	P	03 52 47.6	−1.8		

1985 8 2
O = 06 50 57.9 ± 0.19s
LAT = 13.16 N ± 1.87km
LONG = 120.47 E ± 2.35km
DEPTH = 52 km ± 1.29km
STATIONS USED = 21, STAND DEV = 2.47s

QZN	11.8	301	cP	06 53 42.6	−3.1		
GYA	18.5	318	cP	06 55 12.0	−0.6		
NJ2	18.9	356	cP	06 55 17.0	0.5		
XAN	23.3	335	cP	06 56 07.8	5.7		
CD2	23.4	322	P	06 56 04.6	1.0		
TIY	25.5	345	P	06 56 23.5	0.2		
WMQ	41.5	324	cP	06 58 43.1	0.9		

1985 8 2
O = 07 46 52.8 ± 0.08s
LAT = 36.22 N ± 2.22km
LONG = 70.78 E ± 1.31km
DEPTH = 119 km ± 0.19km
STATIONS USED = 136, STAND DEV = 1.65s
m_B = 6.2 / 26

KSH	5.2	50	−iP	07 48 11.0	0.7		
			S	07 49 12.0	2.5		
WMQ	15.0	54	−iP	07 50 17.5	−2.5		
			PMZ	m_B = 5.8		3.5	0.60
			PP	07 50 34.5	−1.8		
			S	07 52 57.0	−5.8		
			SME			3.0	4.19
			PcP	07 55 20.0	−1.4		
			LN			3.0	4.11
LSA	18.3	105	iP	07 50 57.6	−2.7		
			LN			10.0	14.3
			LE			9.0	6.36
GTA	23.1	73	+iP	07 51 51.6	2.3		
			PMZ	m_B = 6.2		4.0	3.93
			pP	07 52 14.5	0.9		
			S	07 55 55.0	7.7		
			SME	m_B = 6.7		8.0	15.1
			LE			6.5	13.0
LZH	26.6	80	+iP	07 52 23.5	0.9		
			PMZ			2.0	1.01
			pP	07 52 48.0	0.4		
			S	07 56 52.0	5.9		
			SME	m_B = 6.4		9.0	11.5
			sS	07 57 24.0	−7.2		
CD2	27.9	91	P	07 52 35.0	1.0		
			PMZ	m_B = 5.9		6.0	1.52
			pP	07 52 59.5	0.2		
			S	07 57 12.0	5.3		
			SMN	m_B = 6.5		5.0	6.68
			SME			5.0	6.25
			LN			10.0	13.8
BTO	30.9	70	+iP	07 53 01.0	0.4		
			PMZ	m_B = 6.2		5.0	2.10
			pP	07 53 26.0	−0.1		
			sP	07 53 37.0	−3.5		
			PP	07 54 08.0	2.2		
			S	07 57 58.0	4.3		
			SMN	m_B = 6.0		8.0	3.60

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			SME			9.0	2.70
			sS	07 58 41.0	1.1		
			SS	07 59 51.0	5.0		
			LN_e			9.0	14.2
			LE			9.0	6.90
			LZ			9.0	12.4
XAN	31.1	83	+P	07 53 02.3	−0.5		
GYA	32.0	97	−P	07 53 10.4	0.0		
			pP	07 53 35.0	−1.1		
			PP	07 54 17.0	−3.0		
			PcP	07 55 57.0	0.1		
			S	07 58 13.0	1.6		
			SMN	$m_B = 6.4$		7.0	6.10
			SME			7.0	7.40
			sS	07 58 55.0	−2.7		
			ScP	07 59 32.0	4.1		
			PcS	07 59 41.0	0.7		
			LN			12.0	9.00
HHC	32.0	69	+iP	07 53 11.0	0.4		
			S	07 58 15.5	3.8		
			SMN	$m_B = 6.2$		6.0	3.20
			SME			6.0	3.40
TIY	33.1	75	+iP	07 53 20.4	0.4		
			PMZ	$m_B = 6.4$		4.0	2.97
			pP	07 53 45.0	−0.9		
			sP	07 53 56.5	−3.7		
			S	07 58 31.5	2.8		
			SMN	$m_B = 6.5$		5.0	6.71
			SME			7.0	6.75
			sS	07 59 13.6	−1.5		
			LN			15.0	0.34
			LE			14.0	0.36
BJI	35.6	70	+iP	07 53 41.0	−0.2		
			PMZ	$m_B = 5.8$		6.0	1.14
			pP	07 54 03.0	−4.6		
			sP	07 54 17.0	−4.7		
			PcP	07 56 06.5	−0.6		
			S	07 59 12.0	4.8		
			SMN	$m_B = 6.0$		9.0	2.24
			SME			9.0	2.84
			ScS	08 03 46.0	1.7		
WHN	36.6	86	+iP	07 53 50.0	0.7		
			ipP	07 54 16.0	0.2		
			PP	07 55 15.0	−0.5		
			iS	07 59 25.0	2.1		
			SME	$m_B = 6.5$		6.0	6.42
			SS	08 02 05.0	9.9		
			iScS	08 03 50.0	0.3		
			LN			8.0	6.51
QZN	38.3	106	−P	07 54 03.5	−0.3		
			pP	07 54 28.0	−2.3		
			sP	07 54 42.0	−2.5		
			PP	07 55 35.0	−1.0		
			iS	07 59 48.0	−1.2		
			ScP	07 59 54.0	3.4		
			sS	08 00 37.0	1.5		
			PcS	08 00 06.5	3.5		
			LN			15.0	5.60
			LE			11.0	3.20
GZH	38.9	98	+iP	07 54 10.0	1.0		
			iS	08 00 01.0	2.5		
			SMN	$m_B = 6.6$		6.0	5.50
			SME			8.0	6.24
			LN			12.0	3.23
NJ2	39.7	82	+P	07 54 16.0	0.8		
			pP	07 54 41.5	−0.3		
			sP	07 54 52.7	−3.3		
			ScP	07 59 55.6	−0.3		
			SME	$m_B = 6.3$		10.0	5.40
DL2	40.0	70	+P	07 54 18.0	0.5		
			PMZ	$m_B = 6.2$		4.0	1.80
			pP	07 54 43.0	−1.2		
			PcP	07 56 21.0	0.4		
			SMN	$m_B = 6.5$		7.0	5.41
			SME			8.0	4.93
			LN			12.0	5.34
			LE			7.0	1.38
SNY	40.9	65	+iP	07 54 24.0	−0.8		
			PMZ	$m_B = 6.3$		4.0	1.91
			pP	07 54 51.0	−0.5		
			sP	07 55 00.0	−5.6		
			PcS	08 00 12.5	−0.4		
			iS	08 00 27.5	0.3		
			SMN	$m_B = 6.2$		8.5	2.73
			SME			9.0	2.30
			isS	08 01 10.5	−3.3		
			SS	08 03 34.0	5.7		
			ScS	08 04 15.5	1.1		
			LN			7.0	6.72
			LE			7.0	2.60
SSE	41.9	82	+P	07 54 34.0	0.8		
			pP	07 54 58.0	−2.0		
			sP	07 55 11.0	−3.1		
			ePP	07 56 16.0	1.6		
			iS	08 00 42.0	−0.3		
			SMN	$m_B = 6.9$		4.0	4.67
			SME			4.0	7.58
			sS	08 01 27.0	−2.1		
			SS	08 03 44.0	−3.5		
			ScS	08 04 18.0	−2.5		

			LN			12.0	3.77
			LE			10.0	1.74
CN2	41.9	62	+iP	07 54 3?.7	−0.6		
			PMZ	m_B = 6.0		6.0	1.70
			epP	07 54 58.0	−2.1		
			ePP	07 56 16.0	1.6		
			PcP	07 56 26.0	−0.8		
			S	08 00 41.0	−0.5		
			SMN	m_B = 6.1		8.0	2.40
			SME			8.0	1.60
			iScS	08 04 21.0	0.4		
			LN			8.0	11.6
QZH	42.3	92	+P	07 54 36.5	0.0		
			PMZ	m_B = 5.9		5.0	1.10
			pP	07 55 01.5	−1.9		
			esP	07 55 16.0	−1.4		
			PP	07 56 18.5	0.0		
			ePcS	08 00 20.0	1.4		
			iS	08 00 48.0	−0.3		
MDJ	44.7	60	+P	07 54 55.5	−0.5		
			pP	07 55 20.5	−2.4		
			sP	07 55 32.5	−4.4		
			PcP	07 56 36.0	−0.3		
			SMN	m_B = 6.1		6.0	2.00
			sS	08 02 06.0	−4.4		

1985 8 2
O = 16 29 28.8 ± 0.16s
LAT = 37.85 N ± 1.90km
LONG = 99.12 E ± 1.47km
DEPTH = 18 km
STANDS USED = 8, STAND DEV = 3.93s
M_L = 3.6 / 3,

GTA	1.7	19	Pn	16 29 56.1	−1.6		
			Pg	16 29 57.3	−0.8		
			Sn	16 30 21.0	1.0		
			Sg	16 30 24.6	3.9		
			SMN	M_L = 2.8		0.9	0.090
			SME			1.0	0.11
LZH	4.2	114	cPn	16 30 32.0	−0.4		
			Pg	16 30 42.5	0.0		
			Sg	16 31 36.5	−3.2		
			SME	M_L = 3.6		0.8	0.12
CD2	7.9	150	P	16 31 24.6	−1.5		
XAN	8.8	113	cP	16 31 44.9	6.2		

1985 8 2
O = 23 27 09.3 ± 0.11s
LAT = 40.38 N ± 1.56km
LONG = 77.57 E ± 1.63km
DEPTH = 26 km ± 0.25km
STATIONS USED = 34, STAND DEV = 2.55s
Ms = 4.1 / 2, M_L = 4.8 / 5,

KSH	1.5	233	−iPn	23 27 38.0	2.4		
			Sg	23 28 01.0	3.2		
			LE			4.0	18.2
WMQ	8.3	62	−iP	23 29 10.5	−0.4		
			S	23 30 42.8	−1.3		
			LZ			2.5	0.93
GTA	17.1	86	eP	23 31 06.6	−1.9		
			LN	Ms = 3.9		9.5	0.21
XAN	25.7	94	eP	23 32 40.0	0.7		
KMI	25.9	118	eP	23 32 43.5	1.5		
TIY	27.1	84	eP	23 32 56.4	3.9		
			eS	23 37 24.0	−3.6		
			LE	Ms = 4.3		15.0	0.39
GYA	27.8	111	P	23 33 03.2	4.1		

1985 8 3
O = 00 06 09.9 ± 0.10s
LAT = 38.64 N ± 0.51km
LONG = 101.07 E ± 0.41km
DEPTH = 26 km ± 1.08km
STATIONS USED = 5, STAND DEV = 4.21s
M_L = 3.5 / 5,

GTA	1.2	309	Pn	00 06 30.1	−2.2		
			Sn	00 06 48.0	−1.6		
			SMN	M_L = 3.3		0.5	0.51
			SME			0.5	0.46
LZH	3.4	138	ePn	00 07 02.5	0.9		
			Pg	00 07 08.5	−1.0		
			Sn	00 07 39.5	−2.8		
			Sg	00 07 49.0	−6.7		
			SMN	M_L = 3.6		0.5	0.20
			SME			0.5	0.17

1985 8 3
O = 07 11 48.1 ± 0.06s
LAT = 11.27 S ± 0.90km
LONG = 166.50 E ± 1.08km
DEPTH = 37 km ± 0.51km
STATIONS USED = 18, STAND DEV = 1.15s

CN2	66.3	329	eP	07 22 34.8	−0.8
CD2	73.3	307	eP	07 23 19.2	0.6
GTA	79.7	314	P	07 23 55.1	0.2

1985 8 3
O = 07 38 50.7 ± 0.05s
LAT = 62.98 N ± 0.67km
LONG = 149.67 W ± 0.68km

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DEPTH = 97 km ± 0.53km
STATIONS USED = 23, STAND DEV = 1.13s

CN2	50.0	290	−P	07 47 37.2	−0.3		
GTA	64.0	306	P	07 49 16.5	−0.4		
GYA	72.7	294	eP	07 50 11.2	0.4		

1985 8 3
O = 11 58 15.3 ± 0.06s
LAT = 36.20 N ± 1.37km
LONG = 70.75 E ± 0.86km
DEPTH = 100 km ± 0.10km
STATIONS USED = 74, STAND DEV = 1.70s
m_B = 5.1 / 1

KSH	5.3	50	P	11 59 36.0	2.8		
			S	12 00 37.0	4.2		
			LN			3.0	10.5
WMQ	15.0	54	eP	12 01 42.8	−1.0		
			PMZ			0.8	0.030
			sP	12 02 09.8	−2.6		
			eS	12 04 23.0	−5.3		
			sS	12 04 39.0	−8.7		
			LN			3.0	0.60
LSA	18.3	105	eP	12 02 21.9	−2.4		
			eS	12 05 42.0	−0.2		
			SME	m_B = 5.1		5.0	0.29
GTA	23.1	73	P	12 03 16.0	2.2		
			PMZ			2.0	0.37
LZH	26.7	80	eP	12 03 47.0	−0.1		
CD2	27.9	91	eP	12 03 59.2	0.7		
			S	12 08 36.0	3.2		
KMI	29.5	103	eP	12 04 12.5	−0.5		
BTO	30.9	70	eP	12 04 25.0	−0.1		
XAN	31.2	83	P	12 04 26.8	−0.5		
GYA	32.0	97	P	12 04 34.6	−0.2		
			PMZ			1.2	0.040
			pP	12 04 55.2	−1.8		
			S	12 09 41.0	3.6		
HHC	32.1	69	P	12 04 36.0	0.9		
TIY	33.2	75	eP	12 04 45.0	0.5		
			eS	12 10 02.0	6.1		
			SMN			0.7	0.060
			SME			0.3	0.060
BJI	35.6	70	eP	12 05 06.0	0.2		
WHN	36.6	86	eP	12 05 14.5	0.6		
TIA	37.1	76	eP	12 05 19.5	1.2		
GZH	39.0	98	iP	12 05 34.8	1.4		
DL2	40.0	70	eP	12 05 42.7	0.6		
SNY	40.9	65	eP	12 05 49.1	−0.3		
			PcP	12 07 46.5	−1.8		
SSE	41.9	82	eP	12 06 01.5	3.7		
			sP	12 06 36.5	3.7		
CN2	41.9	62	+P	12 05 57.4	−0.5		

1985 8 3
O = 20 53 26.8 ± 0.09s
LAT = 23.20 N ± 1.58km
LONG = 122.58 E ± 2.13km
DEPTH = 146 km
STATIONS USED = 7, STAND DEV = 2.78s
M_L = 3.2 / 3,

QZH	4.0	296	eP	20 54 24.0	−4.4		
			SMN	M_L = 3.2		0.3	0.060
			SME			0.4	0.040
GYA	14.8	286	P	20 56 51.0	0.6		

1985 8 4
O = 00 00 47.4 ± 0.08s
LAT = 0.02 S ± 1.33km
LONG = 124.07 E ± 2.14km
DEPTH = 103 km ± 0.19km
STATIONS USED = 76, STAND DEV = 1.53s

QZN	23.5	324	P	00 05 51.0	1.8		
			cS	00 09 53.0	0.5		
GZH	25.2	336	P	00 06 07.5	2.0		
			pP	00 06 31.3	3.9		
QZH	25.4	348	+P	00 06 08.0	1.1		
			PMZ			2.0	0.19
			PP	00 06 53.0	2.8		
			eS	00 10 25.0	1.4		
			eSS	00 11 35.5	2.2		
			LE			11.0	0.11
GYA	31.2	329	−P	00 07 00.6	0.9		
			PcP	00 09 52.0	0.6		
			S	00 12 05.0	8.5		
NJ2	32.3	352	eP	00 07 08.4	−0.4		
KMI	32.4	322	eP	00 07 12.0	1.8		
CD2	36.3	330	−iP	00 07 43.8	0.5		
			PMZ			0.9	0.080
TIA	36.6	351	eP	00 07 45.2	−0.7		
XAN	36.7	339	+P	00 07 45.5	−1.5		
TIY	39.1	345	eP	00 08 05.4	−0.9		
BJI	40.5	351	eP	00 08 17.0	−1.2		
LZH	40.5	334	P	00 08 18.0	−0.7		
			PMZ			2.0	0.12
SNY	41.7	359	eP	00 08 26.2	−1.4		
HHC	42.2	346	+P	00 08 34.0	1.5		
BTO	42.4	344	eP	00 08 34.0	0.1		
LSA	43.1	316	P	00 08 38.8	−1.1		
CN2	43.6	1	eP	00 08 40.8	−3.1		
MDJ	44.7	6	+P	00 08 51.2	−1.3		

WMQ	54.4	328	P	00 10 05.4	−1.1		

1985 8 4
O=02 36 23.6 ± 0.08s
LAT= 7.47 N ± 1.36km
LONG=123.46 E ± 1.94km
DEPTH= 35 km ± 0.35km
STATIONS USED =167, STAND DEV= 1.58s
Ms=6.4/28, m_B=6.4/27

QZN	17.5	312	−P	02 40 27.0	0.0		
			PMZ	m_B=6.6		9.0	28.0
			S	02 43 36.0	−2.3		
			sS	02 43 47.0	−4.5		
			SS	02 43 55.0	−5.4		
			PcP	02 45 06.0	−0.5		
			LE	Ms=6.2		15.0	68.5
QZH	18.0	346	cP	02 40 31.6	−1.2		
			PMZ	m_B=6.8		6.5	28.9
			iS	02 43 52.0	2.6		
			SMN	m_B=6.2		9.0	10.2
			sS	02 44 07.0	4.9		
			SS	02 44 15.0	3.0		
			LN	Ms=6.4		20.0	114
			LE			20.0	32.5
GZH	18.3	329	+iP	02 40 37.0	0.1		
			ipP	02 40 45.2	0.3		
			SMN	m_B=6.5		9.0	9.91
			SME			8.0	13.8
			LN	Ms=6.4		14.0	38.2
			LE			14.0	70.0
SSE	23.6	355	+P	02 41 32.0	−0.4		
			sP	02 41 45.0	−1.0		
			PP	02 42 04.0	−0.8		
			iS	02 45 40.0	−1.1		
			sS	02 45 57.0	0.6		
			SS	02 46 29.0	−0.4		
			PcS	02 48 57.0	1.2		
			LE	Ms=6.2		14.0	37.4
WHN	24.5	341	P	02 41 41.0	0.0		
			PMZ	m_B=6.7		5.0	16.8
			pP	02 41 48.0	−2.4		
			sP	02 42 00.0	5.4		
			iS	02 46 03.0	6.6		
			SMN	m_B=6.8		12.0	29.0
			LE	Ms=6.4		14.0	51.0
			LZ	Ms=6.3		15.0	50.8
GYA	24.7	322	−P	02 41 46.0	2.4		
			PMZ	m_B=6.7		7.0	22.8
			sP	02 41 57.0	0.1		
			S	02 46 00.0	0.2		
			SMN	m_B=7.1		10.0	24.2
			SME			10.0	50.0
			LN	Ms=6.7		14.0	36.3
			LE			14.0	90.0
NJ2	24.8	351	+P	02 41 42.5	−1.8		
			PMZ	m_B=6.2		5.0	4.90
			ipP	02 41 52.0	−1.7		
			S	02 46 06.0	4.6		
			LE	Ms=6.2		12.0	26.2
			LZ	Ms=6.2		26.0	64.7
KMI	26.5	314	−P	02 42 00.5	0.7		
			sP	02 42 14.5	1.3		
			PP	02 42 50.0	7.4		
			LN	Ms=6.5		17.0	75.7
TIA	29.2	349	−P	02 42 24.0	−0.3		
			PMZ	m_B=5.9		9.0	2.18
			PP	02 43 23.0	4.2		
			PPMZ			11.0	8.44
			S	02 47 08.0	−4.2		
			SME	m_B=5.6		9.0	1.35
			LN	Ms=6.3		15.0	28.2
			LE			15.0	18.4
			LZ	Ms=6.0		15.0	15.9
XAN	29.7	335	+P	02 42 26.0	−2.5		
			PMZ	m_B=6.4		6.0	4.34
			PP	02 43 18.0	−6.8		
			S	02 47 21.0	1.3		
			SMN			14.0	12.2
			SME			11.0	4.50
			LN	Ms=6.5		16.0	42.6
			LE			15.0	37.2
CD2	29.7	324	+iP	02 42 28.4	−0.7		
			PP	02 43 23.0	−2.7		
			S	02 47 18.0	−2.8		
			LN	Ms=6.6		13.0	47.1
			LE			13.0	31.4
			LZ	Ms=6.5		12.5	45.4
DL2	31.3	357	P	02 42 48.0	4.6		
			cS	02 47 55.0	8.0		
			LN	Ms=6.6		15.0	22.9
			LE			18.0	72.3
TIY	31.7	343	cP	02 42 45.3	−1.6		
			PMZ	m_B=6.4		6.0	3.73
			PP	02 43 54.0	2.3		
			S	02 48 01.5	9.3		
			LN	Ms=6.6		19.0	37.5
			LE			16.0	63.5
BJI	33.1	350	cP	02 43 01.5	2.9		
			PMZ	m_B=6.2		7.0	2.58
			SMN	m_B=6.3		11.0	6.38

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			SME			8.0	2.25
			LN		Ms=6.4	36.0	67.0
			LE			34.0	42.0
LZH	33.7	331	+iP	02 43 03.5	−0.3		
			PMZ		m_B=6.8	6.0	8.17
			pP	02 43 10.0	−3.3		
			PP	02 44 15.0	−1.1		
			PcP	02 45 45.0	2.4		
			cS	02 48 23.0	−0.6		
			sS	02 48 40.0	0.6		
			ScS	02 53 26.0	2.9		
			LN		Ms=6.5	10.0	5.78
			LE			14.0	35.0
SNY	34.2	0	eP	02 43 06.0	−2.4		
			PMZ		m_B=6.1	6.0	1.83
			pP	02 43 15.0	−3.1		
			sP	02 43 20.0	−2.2		
			PcP	02 45 38.0	−6.2		
			S	02 48 30.0	−1.0		
			LE		Ms=6.1	20.0	20.8
HHC	34.9	344	−P	02 43 17.0	2.7		
			SMN		m_B=6.6	12.0	1.75
			SME			10.0	12.1
			LN		Ms=6.3	20.0	35.0
BTO	35.1	342	−iP	02 43 18.0	1.9		
			PMZ		m_B=6.4	6.0	3.80
			PP	02 44 37.0	2.3		
			S	02 48 49.5	4.8		
			esS	02 49 04.0	2.2		
			SS	02 51 07.0	5.2		
			LN		Ms=6.4	14.0	27.2
			LE			13.0	13.4
CN2	36.2	2	eP	02 43 23.2	−2.4		
			PMZ		m_B=5.9	7.0	1.40
			pP	02 43 33.5	−1.8		
			ePP	02 44 45.0	−3.3		
			PcP	02 45 51.0	0.9		
			cS	02 48 58.5	−4.5		
			ScP	02 49 32.4	0.1		
			SS	02 51 20.0	−7.5		
			LE		Ms=6.5	16.0	41.6
MDJ	37.4	7	eP	02 43 35.0	−0.3		
			PMZ		m_B=6.0	7.5	2.05
			cS	02 49 21.0	0.2		
LSA	37.5	310	eP	02 43 37.3	0.2		
			S	02 49 26.5	4.2		
			SMN		m_B=6.3	8.0	4.27
			LN		Ms=6.1	16.0	15.2
GTA	38.2	330	+iP	02 43 42.8	0.2		
			S	02 49 37.0	4.2		
			LE		Ms=6.6	15.0	40.2
WMQ	47.8	325	P	02 45 00.8	0.5		
			PMZ		m_B=6.9	5.0	8.88
			PP	02 46 55.0	4.4		
			ScP	02 50 20.0	1.7		
			S	02 51 58.5	5.8		
			SMN		m_B=6.5	10.0	6.34
			sS	02 52 14.0	3.8		
			LN		Ms=6.8	15.0	50.9
KSH	53.1	314	P	02 45 42.0	1.6		
			PMZ		m_B=7.0	5.0	8.90
			PP	02 47 45.0	4.1		
			S	02 53 14.0	8.4		
			LE		Ms=6.7	13.0	29.3

1985 8 4
O=04 54 01.9 ± 0.28s
LAT=44.92 S ± 2.39km
LONG= 75.92 W ± 4.48km
DEPTH= 35 km ± 1.78km
STATIONS USED = 56, STAND DEV= 2.17s
Ms=5.7/ 5,

QZN	153.7	192	cPKP	05 13 46.0	−4.2		
			PP	05 17 45.5	−2.5		
QZH	156.9	215	cPKP	05 13 50.0	−4.4		
			PKP_2	05 14 25.5			
			cPP	05 18 00.0	−4.7		
			LE		Ms=5.4	16.0	0.34
KSH	158.5	95	cPKP	05 13 57.0	0.3		
KMI	160.2	176	PKP	05 14 00.5	1.8		
SSE	160.8	230	PKP	05 14 02.0	3.0		
			PKP_2	05 14 46.0			
			SKKS	05 25 20.0			
			LE		Ms=5.4	28.0	0.71
			LZ		Ms=5.7	18.0	0.92
GYA	161.5	187	PKP	05 14 02.0	2.2		
			PP	05 18 26.0	−3.9		
MDJ	161.9	278	cPKP	05 13 58.7	−1.4		
CN2	164.7	273	+PKP	05 13 58.0	−4.9		
DL2	165.6	251	cPKP	05 14 03.5	−0.3		
CD2	166.0	179	PKP	05 14 06.2	2.0		
			PKP_2	05 15 06.0			
WMQ	168.2	90	cPKP	05 14 07.8	2.1		
			$cPKP_2$	05 15 20.0			
			cPP	05 19 09.0	4.4		
			SKKS	05 25 50.0			
			LZ		Ms=6.0	22.0	2.12
XAN	168.5	201	cPKP	05 14 05.5	−0.3		
			$cPKP_2$	05 15 17.0			
			PP	05 19 04.0	−2.1		

BJI	169.8	246	ePKP	05 14 03.5	−3.0			
			eSKKS	05 25 53.0				
			eSS	05 40 01.4	−4.2			
			LN	Ms = 5.7		18.0	0.90	
LZH	171.2	179	PKP	05 14 10.0	2.4			
			PKP_2	05 15 28.5				
			PP	05 19 20.0	0.6			
GTA	173.6	149	PKP	05 14 10.4	1.7			
			PKP_2	05 15 38.5				
BTO	173.9	227	ePKP	05 14 05.0	−3.8			
			PP	05 19 37.2	4.4			

1985 8 4
O = 06 11 03.4 ± 0.13s
LAT = 38.48 N ± 1.22km
LONG = 105.95 E ± 1.19km
DEPTH = 9 km ± 0.12km
STATIONS USED = 5, STAND DEV = 4.73s
M_L = 2.9 / 1,

LZH	2.9	216	Pg	06 11 55.0	−0.3			
GTA	4.9	283	cPg	06 12 30.6	0.9			
			Sg	06 13 34.0	−2.0			
			SMN	M_L = 2.9		0.7	0.020	
			SME			0.6	0.010	

1985 8 4
O = 07 21 34.3 ± 0.09s
LAT = 24.80 N ± 0.66km
LONG = 101.31 E ± 0.94km
DEPTH = 19 km ± 1.53km
STATIONS USED = 7, STAND DEV = 3.97s
M_L = 3.1 / 4,

KMI	1.3	76	−Pg	07 21 57.0	−1.4			
			Sg	07 22 13.5	−3.1			
			SMN	M_L = 3.1		1.0	0.33	
			SME			1.0	0.30	
GYA	5.1	70	Pn	07 22 52.0	1.4			
CD2	6.5	19	Pn	07 23 14.0	4.9			

1985 8 4
O = 11 57 06.6 ± 0.09s
LAT = 36.27 N ± 1.63km
LONG = 71.00 E ± 1.31km
DEPTH = 94 km ± 0.26km
STATIONS USED = 47, STAND DEV = 2.15s

KSH	5.1	50	−iP	11 58 25.0	3.1			
			S	11 59 22.0	2.7			
WMQ	14.8	54	P	12 00 31.0	−1.9			
			S	12 03 07.5	−7.2			
GTA	22.9	73	P	12 02 05.4	1.8			
			LE			19.0	1.68	
			LZ			20.5	6.11	
LZH	26.4	81	eP	12 02 39.0	1.9			
			LN			21.0	1.67	
CD2	27.7	92	P	12 02 50.6	2.0			
BTO	30.7	70	eP	12 03 16.0	0.9			
GYA	31.8	98	P	12 03 27.6	2.5			
HHC	31.8	69	eP	12 03 25.5	0.3			
TIY	32.9	75	eP	12 03 34.3	−0.4			
BJI	35.4	70	P	12 03 55.5	−0.4			
WHN	36.4	86	P	12 04 07.0	2.9			
NJ2	39.5	82	eP	12 04 32.2	2.2			

1985 8 4
O = 12 01 55.2 ± 0.12s
LAT = 36.24 N ± 2.21km
LONG = 120.16 W ± 2.02km
DEPTH = 4 km ± 1.10km
STATIONS USED = 63, STAND DEV = 2.13s
Ms = 5.7 / 12, m_B = 5.6 / 2

MDJ	77.8	317	cP	12 13 58.0	2.1			
			cS	12 23 46.0	−2.2			
			LZ	Ms = 5.6		22.0	1.87	
CN2	80.6	318	+P	12 14 11.6	0.5			
			pP	12 14 15.5	−0.1			
			cS	12 24 18.0	0.2			
			SKS	12 24 25.0	0.9			
			eSS	12 29 40.0	8.7			
			LE	Ms = 5.7		17.0	1.90	
SNY	82.9	318	eP	12 14 21.7	−1.6			
			PMZ	m_B = 5.6		12.0	0.67	
			S	12 24 42.0	1.7			
			SMN			20.0	2.12	
			SME			20.0	3.31	
			SS	12 30 06.0	−0.5			
			LN	Ms = 5.9		20.0	1.63	
			LE			23.0	2.96	
DL2	86.0	316	eP	12 14 39.0	0.1			
			eSKS	12 25 02.0	0.7			
			S	12 25 12.0	1.2			
			LN	Ms = 5.7		17.0	1.51	
BJI	88.1	320	eP	12 14 49.0	−0.2			
			eSKS	12 25 12.0	−3.0			
			eS	12 25 41.0	8.4			
			SMN			14.0	1.37	
			LN	Ms = 5.7		16.0	1.03	
			LE			16.0	0.86	
HHC	89.8	323	eP	12 14 57.0	−0.4			
TIA	90.4	317	eP	12 15 00.0	−0.1			
			eS	12 25 54.0	0.1			

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			esS	12 25 56.0	−5.4		
			LN	Ms=5.5		16.0	0.95
BTO	90.7	324	eP	12 15 00.0	−1.7		
			SKS	12 25 32.0	1.0		
			S	12 25 51.0	−3.9		
			LN	Ms=5.8		16.0	1.60
			LE			16.0	1.20
SSE	91.7	311	−P	12 15 08.0	1.9		
			esP	12 15 14.0	1.0		
			eSKS	12 25 39.0	2.3		
			S	12 26 03.0	−0.7		
			sS	12 26 10.0	−3.1		
			eSS	12 32 11.0	−3.1		
			LE	Ms=5.8		24.0	2.41
TIY	91.8	321	eP	12 15 08.0	1.5		
			SKS	12 25 45.0	8.0		
			S	12 26 13.5	9.3		
			LN	Ms=5.8		16.0	0.81
			LE			17.0	1.82
NJ2	92.4	313	eP	12 15 10.0	0.6		
			SKS	12 25 42.0	1.2		
			S	12 26 12.0	1.9		
			LN	Ms=5.5		14.0	0.60
			LE			16.0	0.70
			LZ	Ms=5.6		20.0	1.50
XAN	96.4	321	eP	12 15 26.8	−1.0		
QZH	97.7	308	eP	12 15 40.0	6.6		
			SME	m_B=5.5		10.0	0.31
			LE	Ms=5.5		12.0	0.55

1985 8 4

O=15 23 28.0 ± 0.07s
LAT=36.18 N ± 1.18km
LONG= 71.07 E ± 1.14km
DEPTH= 99 km ± 0.78km
STATIONS USED = 20, STAND DEV= 1.74s
M_L=4.8/ 1,

KSH	5.1	48	cP	15 24 46.5	3.0		
			eS	15 25 42.5	1.0		
			SMN	M_L=4.8		0.2	0.89
			SME			0.2	1.22
WMQ	14.8	54	P	15 26 52.6	−1.5		
			PP	15 27 09.0	0.0		
			eS	15 29 31.0	−5.6		
LSA	18.0	105	eP	15 27 33.0	−1.3		
GTA	22.9	73	P	15 28 26.7	2.4		
XAN	30.9	83	eP	15 29 37.5	−0.4		
GYA	31.8	98	P	15 29 46.2	0.8		

1985 8 4

O=18 08 14.4 ± 0.10s
LAT=35.71 N ± 0.68km
LONG=138.72 E ± 0.99km
DEPTH=181 km ± 0.88km
STATIONS USED = 47, STAND DEV= 1.28s

MDJ	11.3	325	eP	18 10 53.8	1.9		
CN2	13.0	312	+P	18 11 13.8	0.0		
SNY	13.3	302	eP	18 11 22.2	4.9		
BJI	18.3	290	eP	18 12 15.0	−2.5		
XAN	24.5	275	P	18 13 17.8	−0.7		
GZH	25.4	247	−iP	18 13 27.8	1.1		
GYA	28.9	260	P	18 13 57.6	−1.0		
			pP	18 14 34.8	−0.3		
			S	18 18 31.6	−1.9		
CD2	29.5	271	eP	18 14 04.9	0.5		
GTA	30.9	289	P	18 14 16.8	0.1		
KMI	32.6	261	eP	18 14 30.5	−1.2		
WMQ	39.5	298	P	18 15 30.5	0.9		
			PMZ			1.5	0.050
			pP	18 16 08.8	0.9		
			sP	18 16 25.5	−2.9		
			PP	18 17 08.0	1.2		
			PcP	18 17 34.0	0.6		
			S	18 21 20.0	2.6		

1985 8 4

O=19 43 32.2 ± 0.12s
LAT= 5.07 S ± 1.82km
LONG=152.59 E ± 1.85km
DEPTH= 46 km ± 1.07km
STATIONS USED = 99, STAND DEV= 1.69s
Ms=5.2/15,

QZH	44.5	314	cP	19 51 42.0	0.4		
			pP	19 51 55.5	2.1		
			eS	19 58 17.0	3.9		
			eSS	20 01 31.5	6.2		
			LN	Ms=5.0		18.0	0.95
SSE	46.8	322	P	19 52 00.0	0.2		
			sP	19 52 12.0	−4.6		
			eS	19 58 48.0	2.1		
			sS	19 59 08.0	1.9		
			LN	Ms=4.8		16.0	0.50
GZH	47.5	308	P	19 52 06.8	2.0		
QZN	48.4	301	cP	19 52 13.8	1.4		
			eS	19 59 14.0	5.4		
NJ2	48.9	321	+P	19 52 15.0	−1.1		
			LN	Ms=5.2		10.0	0.60
			LE			9.0	0.40
WHN	50.9	317	cP	19 52 31.7	0.4		
			LN	Ms=5.5		8.0	1.31

DL2	52.3	330	eP	19 52 41.4	−0.4		
			LN	Ms=5.2		15.0	1.07
TIA	52.8	324	eP	19 52 44.7	−1.0		
			LN	Ms=5.0		14.0	0.68
MDJ	53.6	340	eP	19 52 50.5	−1.0		
			eS	20 00 22.0	2.1		
			LZ	Ms=4.8		24.0	0.70
SNY	53.6	333	eP	19 52 50.0	−1.9		
			LN	Ms=4.9		12.0	0.41
			LE			12.0	0.19
GYA	54.4	308	P	19 52 58.0	0.5		
			pP	19 53 12.0	2.6		
			S	20 00 35.0	5.5		
CN2	54.5	336	+P	19 52 55.8	−2.0		
			sP	19 53 14.4	−0.5		
			eS	20 00 29.0	−2.5		
			LN	Ms=5.2		10.0	0.70
BJI	56.0	327	eP	19 53 07.5	−1.5		
TIY	56.6	322	eP	19 53 13.0	−0.5		
			LN	Ms=5.3		22.0	1.03
			LE			21.0	1.13
XAN	56.7	317	P	19 53 12.5	−1.4		
KMI	57.0	304	eP	19 53 16.5	0.3		
CD2	58.8	311	eP	19 53 28.0	−0.5		
BTO	59.9	323	eP	19 53 36.0	−0.4		
			eS	20 01 43.0	−0.3		
			LN	Ms=5.3		12.0	0.60
			LE			11.0	0.60
			LZ	Ms=5.3		11.0	0.70
LZH	61.3	316	+iP	19 53 45.0	−0.9		
			PMZ			1.0	0.060
			LE	Ms=6.1		7.0	2.94
GTA	65.7	317	+iP	19 54 15.6	0.5		
			LZ	Ms=5.0		24.0	0.73
LSA	68.2	305	P	19 54 30.9	−0.3		
WMQ	75.8	317	+iP	19 55 15.5	−0.5		
			PMZ			1.5	0.050
KSH	82.9	311	P	19 55 56.0	1.4		
			LE	Ms=5.9		7.0	1.20

1985 8 4
O=19 54 17.4 ± 0.15s
LAT=32.25 N ± 1.65km
LONG= 95.65 E ± 1.67km
DEPTH= 33 km ± 0.32km
STATIONS USED = 28, STAND DEV= 3.07s
Ms=4.3/ 1, M_L=4.3/ 3,

LSA	4.6	238	Pg	19 55 43.6	3.9		
			Sg	19 56 41.0	−1.4		
			LN	Ms=4.3		8.0	3.92
GTA	7.9	24	P	19 56 15.7	2.6		
GYA	11.2	118	P	19 56 56.2	−2.4		
XAN	11.3	77	−P	19 56 56.7	−2.7		
TIY	14.8	64	eP	19 57 50.6	4.3		
GZH	18.1	116	P	19 58 25.0	−3.3		
BJI	18.3	59	eP	19 58 29.5	−0.9		
QZN	18.3	132	eP	19 58 35.1	4.1		

1985 8 5
O=00 07 21.3 ± 0.06s
LAT=10.02 S ± 1.56km
LONG= 66.61 E ± 1.35km
DEPTH= 10 km ± 0.07km
STATIONS USED = 30, STAND DEV= 1.16s

GYA	53.2	46	P	00 16 42.8	0.2		
CD2	54.1	40	eP	00 16 49.2	0.0		
WMQ	56.9	18	P	00 17 10.7	1.1		
GTA	58.0	30	eP	00 17 17.7	0.0		
XAN	59.4	40	P	00 17 26.4	−0.9		
TIA	66.1	43	eP	00 18 12.5	0.9		
BJI	67.7	39	eP	00 18 21.0	−0.5		
SNY	73.4	41	eP	00 18 55.2	−0.8		
CN2	75.5	40	eP	00 19 08.0	−0.6		

1985 8 5
O=01 24 27.3 ± 0.07s
LAT=21.69 N ± 0.96km
LONG=143.01 E ± 1.07km
DEPTH=316 km ± 0.39km
STATIONS USED = 49, STAND DEV= 1.05s

SSE	21.6	300	+P	01 28 54.0	0.1		
			PMZ			1.0	0.10
			csP	01 30 24.0	−1.5		
			cS	01 32 29.0	−0.1		
			cScS	01 39 33.0	0.0		
			LZ			20.0	0.58
NJ2	23.8	301	+P	01 29 15.2	0.7		
TIA	26.8	308	eP	01 29 41.4	0.2		
XAN	32.4	300	P	01 30 30.0	−0.5		
GYA	33.5	285	−P	01 30 40.0	0.4		
CD2	36.2	293	eP	01 31 02.4	−0.4		
GTA	40.7	306	+iP	01 31 41.5	1.3		
			PcP	01 33 35.7	0.9		

1985 8 5
O=01 44 31.3 ± 0.13s
LAT=38.92 N ± 0.97km
LONG= 75.43 E ± 0.23km
DEPTH= 32 km ± 1.12km
STATIONS USED = 6, STAND DEV= 3.57s

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			M_L=3.6/ 4,				
KSH	0.7	39	Pg	01 44 44.0	−0.7		
			Sg	01 44 58.5	3.8		
			SMN	M_L=3.7		0.5	2.71
			SME			0.5	2.79

1985 8 5
O=10 14 31.6 ± 0.13s
LAT=36.35 N ± 2.01km
LONG= 70.59 E ± 1.45km
DEPTH=132 km ± 0.23km
STATIONS USED = 14, STAND DEV= 3.05s

KSH	5.3	52	+iP	10 15 50.5	0.7		
			S	10 16 51.0	1.4		
			LN			2.0	2.80
WMQ	15.1	55	−P	10 17 56.6	−2.3		
			PMZ			1.7	0.11
			S	10 20 33.3	−8.5		
LSA	18.5	105	P	10 18 40.3	0.0		
GTA	23.2	74	−P	10 19 29.0	0.9		
SSE	42.0	82	cP	10 22 11.0	−0.9		

1985 8 5
O=12 34 34.5 ± 0.13s
LAT=24.26 N ± 0.63km
LONG=122.47 E ± 0.50km
DEPTH= 13 km ± 1.27km
STATIONS USED = 12, STAND DEV= 1.42s
Ms=3.6/ 3, M_L=4.1/ 2,

QZH	3.6	282	cPn	12 35 29.8	−0.6		
			SMN	M_L=3.9		1.0	0.44
			SME			1.1	0.27
			LE	Ms=3.5		11.0	1.27
SSE	6.9	351	P	12 36 18.7	0.5		
			cLG_1	12 38 08.0	−3.4		
			LG_2	12 38 18.0	−4.3		
			LE	Ms=3.7		14.0	0.87
NJ2	8.4	338	eP	12 36 38.0	−1.0		
			LE	Ms=3.6		11.0	0.40
GZH	8.4	264	cP	12 36 41.8	2.0		
			S	12 38 13.5	−2.2		
			SMN	M_L=4.3		1.0	0.080
			SME			1.0	0.050
CD2	17.9	296	cP	12 38 44.9	0.2		

1985 8 5
O=13 00 38.8 ± 0.11s
LAT=24.50 N ± 1.56km
LONG=121.88 E ± 1.78km
DEPTH= 8 km ± 0.33km
STATIONS USED = 98, STAND DEV= 2.15s
Ms=5.4/ 31, m_B=5.0/ 4

QZH	3.0	279	cPn	13 01 27.0	−0.3		
			iSn	13 02 00.6	−5.0		
			LN	Ms=4.9		7.0	29.3
SSE	6.6	355	+P	13 02 16.0	−2.6		
			PMZ			0.5	0.30
			cS	13 03 32.0	−2.6		
			LG_1	13 04 04.0	−2.0		
			LG_2	13 04 19.0	2.6		
			LE	Ms=5.0		13.0	16.2
GZH	7.9	262	+P	13 02 36.1	−1.4		
			LN	Ms=5.4		11.0	24.9
			LE			8.0	4.56
NJ2	8.0	341	−iP	13 02 35.2	−2.8		
			iS	13 04 02.2	−7.0		
			LE	Ms=5.2		8.0	11.7
WHN	9.0	314	P	13 02 49.0	−3.1		
			iS	13 04 27.0	−7.5		
			LN	Ms=5.4		11.0	21.2
			LE			11.0	11.6
			LZ	Ms=5.1		10.0	11.6
TIA	12.4	342	+P	13 03 35.0	−3.3		
			cS	13 06 01.6	4.1		
			cSS	13 06 16.5	5.2		
			LN	Ms=5.2		14.0	8.45
			LE			8.5	2.44
			LZ	Ms=4.9		13.0	5.37
QZN	12.4	246	cP	13 03 39.0	−0.3		
			LN	Ms=5.1		15.0	6.00
			LE			16.0	5.90
GYA	13.9	281	P	13 03 58.4	−0.2		
			PP	13 04 10.0	0.9		
			S	13 06 24.4	−9.0		
			LN	Ms=5.7		13.0	24.7
XAN	14.8	313	cP	13 04 08.3	−1.7		
			SS	13 07 10.0	−1.0		
			LG_1	13 08 18.0	−4.4		
			LN	Ms=5.5		10.0	10.6
			LE			9.0	6.10
TIY	15.4	331	+P	13 04 22.1	3.2		
			PP	13 04 35.8	5.0		
			LN	Ms=5.3		11.0	5.81
			LE			11.0	5.89
BJI	16.2	344	cP	13 04 30.0	1.1		
			cPP	13 04 45.0	3.4		
			cS	13 07 31.0	2.0		
			SMN	m_B=4.5		9.0	0.28
			LE	Ms=4.8		10.0	1.97
CD2	17.3	296	cP	13 04 41.7	−0.4		

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			eS	13 07 52.0	−1.2		
			LN	Ms = 5.6		16.0	17.7
			LE			17.0	9.40
			LZ	Ms = 5.7		13.0	17.8
SNY	17.3	4	eP	13 04 45.5	2.5		
			PMZ	m_B = 5.3		3.5	0.54
			pP	13 04 49.0	1.7		
			eS	13 07 58.0	3.3		
			LN	Ms = 5.0		11.5	2.43
			LE			10.0	2.31
KMI	17.4	276	eP	13 04 47.0	3.0		
			pP	13 04 50.0	1.9		
			PP	13 05 02.0	4.2		
			eS	13 08 05.0	8.5		
			sS	13 08 10.0	6.9		
			LN	Ms = 5.8		12.0	19.2
HHC	18.4	335	+P	13 05 02.0	5.1		
			LN	Ms = 5.3		13.0	5.49
			LE			12.0	1.85
BTO	18.9	331	P	13 05 03.5	1.2		
			PMZ			3.0	0.70
			sP	13 05 11.0	1.0		
			PP	13 05 20.0	2.2		
			S	13 08 31.0	1.9		
			SME	m_B = 4.8		8.0	0.40
			LN	Ms = 5.4		13.0	8.50
			LE			13.0	2.30
			LZ	Ms = 5.4		13.0	8.20
LZH	19.4	311	+P	13 05 09.0	1.2		
			LE	Ms = 5.3		10.0	4.71
MDJ	21.0	15	eP	13 05 28.5	2.8		
			LE	Ms = 5.6		15.0	12.6
GTA	23.8	314	P	13 05 53.8	0.3		
			SME	m_B = 5.4		11.0	1.45
			LE	Ms = 5.1		12.0	2.43
LSA	27.8	288	eP	13 06 30.5	−0.7		
			eS	13 11 16.5	3.4		
			LN	Ms = 5.5		14.5	5.65
WMQ	33.9	313	P	13 07 27.0	2.2		
			PMZ			1.5	0.080
			sP	13 07 33.5	0.9		
			cS	13 12 53.0	4.3		
			ScS	13 17 46.0	−0.8		
			LN	Ms = 5.5		14.0	3.63
KSH	41.2	303	cP	13 08 33.5	6.9		
			LE	Ms = 5.5		11.0	2.50

1985 8 5
O = 13 02 35.0 ± 0.14s
LAT = 24.17 N ± 3.00km
LONG = 121.79 E ± 2.05km
DEPTH = 20 km ± 1.29km
STATIONS USED = 14, STAND DEV = 3.85s
Ms = 5.0 / 3, M_L = 4.7 / 1,

QZH	3.0	285	Pn	13 03 27.5	5.4		
			Sn	13 04 01.1	1.6		
			SMN	M_L = 4.7		1.0	2.90
			SME			1.2	2.80
WHN	9.2	315	P	13 04 43.0	−6.3		
			LN	Ms = 5.0		10.0	7.50
DL2	14.7	360	eP	13 06 08.0	4.1		
			LN	Ms = 4.8		12.0	2.00
			LE			8.0	1.37
LZH	19.5	312	eP	13 07 05.5	1.3		
CN2	19.8	8	+P	13 07 09.0	1.6		
			LE	Ms = 5.4		17.0	9.30

1985 8 5
O = 13 18 19.6 ± 0.13s
LAT = 24.48 N ± 1.48km
LONG = 121.98 E ± 1.84km
DEPTH = 9 km ± 0.41km
STATIONS USED = 37, STAND DEV = 2.27s
Ms = 4.5 / 8, M_L = 4.7 / 5,

QZH	3.1	279	Pn	13 19 09.8	0.5		
			Sn	13 19 44.6	−4.0		
			SMN	M_L = 4.5		1.2	1.38
			SME			1.0	2.08
SSE	6.6	354	−P	13 19 59.0	−0.8		
			LE	Ms = 4.3		10.0	2.49
GZH	8.0	262	−P	13 20 20.2	0.8		
			S	13 21 51.0	−0.1		
			SMN	M_L = 4.6		0.8	0.22
			SME			0.8	0.14
NJ2	8.0	341	−iP	13 20 17.8	−1.6		
			iS	13 21 46.6	−4.6		
			LE	Ms = 4.3		9.0	1.80
WHN	9.1	313	eP	13 20 31.5	−2.4		
			pP	13 20 34.0	−4.6		
			iS	13 22 10.5	−6.7		
			LN	Ms = 4.6		12.0	3.06
			LE			11.0	2.59
			LZ	Ms = 4.3		10.0	1.79
TIA	12.4	341	eP	13 21 17.8	−1.9		
GYA	14.0	281	P	13 21 42.0	1.4		
			pP	13 21 44.4	−0.3		
			S	13 24 20.4	4.1		
			LN	Ms = 4.7		13.0	2.70
XAN	14.8	313	eP	13 21 50.5	−1.3		
			LN	Ms = 4.7		9.0	1.34

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			LE			9.0	1.02
TIY	15.5	331	eP	13 22 05.1	4.6		
			LN	Ms=4.6		13.0	1.48
			LE			13.0	0.78
BJI	16.3	344	eP	13 22 12.0	1.8		
CD2	17.4	296	eP	13 22 24.1	0.1		
LZH	19.4	311	P	13 22 52.0	2.5		
CN2	19.5	8	–P	13 22 51.4	1.6		
			sP	13 22 57.0	–0.8		
WMQ	34.0	313	eP	13 25 09.0	2.8		

1985 8 5
O=15 21 05.6 ± 0.42s
LAT=24.46 N ± 2.71km
LONG=121.95 E ± 3.65km
DEPTH= 9 km ± 0.27km
STATIONS USED = 28, STAND DEV= 2.38s
Ms=4.2/ 8, M_L=4.2/ 5,

QZH	3.1	280	Pn	15 21 55.3	0.5		
			Sn	15 22 30.5	–3.3		
			SMN	M_L=4.3		1.0	1.55
			SME			1.0	0.95
SSE	6.6	354	+P	15 22 44.5	–1.5		
			eLG_1	15 24 31.0	–3.3		
			LG_2	15 24 44.2	–0.6		
			SMN	M_L=4.2		1.0	0.10
			SME			1.0	0.17
			LN	Ms=3.7		11.0	0.73
GZH	8.0	262	eP	15 23 05.5	0.6		
			SMN	M_L=4.3		0.8	0.10
			SME			0.8	0.080
NJ2	8.0	341	eP	15 23 03.0	–2.5		
			S	15 24 31.5	–5.6		
			LE	Ms=3.8		9.5	0.60
WHN	9.1	314	eP	15 23 21.0	1.3		
			S	15 24 53.5	–9.2		
			LG_2	15 26 05.0	0.4		
			LN	Ms=4.2		10.0	1.21
GYA	13.9	281	P	15 24 28.2	2.1		
			PP	15 24 37.2	0.5		
			S	15 27 03.4	1.8		
			LN	Ms=4.5		13.0	1.50
XAN	14.8	313	eP	15 24 36.8	–0.8		
			eLG_2	15 29 10.0	–4.9		
			LN	Ms=4.2		9.0	0.57
TIY	15.5	331	eP	15 24 50.4	4.0		
			S	15 27 37.0	–1.3		
			LN	Ms=4.1		12.0	0.43
			LE			12.0	0.14
CD2	17.3	296	eP	15 25 10.6	0.9		
BTO	18.9	331	eP	15 25 32.2	2.5		
			eS	15 29 00.0	2.0		
			LN	Ms=4.2		13.0	0.50
			LE			12.0	0.20
CN2	19.5	8	+P	15 25 37.0	1.0		
			eS	15 29 08.0	–2.6		
			LE	Ms=4.2		14.0	0.50
GTA	23.9	314	eP	15 26 23.2	2.4		
WMQ	34.0	313	eP	15 27 56.0	4.0		

1985 8 5
O=15 24 20.6 ± 0.13s
LAT=36.13 N ± 1.37km
LONG= 71.36 E ± 1.62km
DEPTH=102 km ± 0.40km
STATIONS USED = 16, STAND DEV= 2.40s
M_L=4.4/ 1,

KSH	4.9	46	eP	15 25 38.3	4.2		
			S	15 26 34.5	4.4		
			SMN	M_L=4.4		0.5	0.50
			SME			0.4	0.39
WMQ	14.7	53	eP	15 27 45.0	0.5		
			eS	15 30 22.0	–3.1		
LSA	17.8	105	eP	15 28 23.0	–0.8		
GTA	22.7	73	eP	15 29 17.5	2.9		
TIY	32.7	75	eP	15 30 43.9	–1.9		
CN2	41.5	62	–P	15 31 57.5	–2.3		

1985 8 5
O=20 23 36.1 ± 0.07s
LAT=53.71 N ± 1.32km
LONG=160.41 E ± 1.08km
DEPTH= 33 km ± 0.05km
STATIONS USED = 24, STAND DEV= 0.90s

CN2	24.9	261	–P	20 28 56.5	–0.8		
WMQ	46.9	289	P	20 32 05.0	–1.2		
GYA	47.8	257	P	20 32 14.0	0.9		

1985 8 5
O=21 26 06.5 ± 0.13s
LAT=36.81 N ± 1.85km
LONG=142.06 E ± 1.31km
DEPTH= 50 km ± 1.91km
STATIONS USED = 28, STAND DEV= 2.05s

SNY	15.2	295	–P	21 29 44.9	5.8		
TIA	20.0	276	eP	21 30 37.6	–0.8		
BJI	20.5	287	P	21 30 38.5	–4.7		
XAN	27.1	274	eP	21 31 46.6	–0.2		
LZH	30.6	280	eP	21 32 19.0	0.3		
GYA	31.7	261	P	21 32 28.0	–0.2		

CD2	32.2	271	eP	21 32 32.6	0.2		
GTA	33.1	288	P	21 32 41.6	1.0		
WMQ	41.4	297	P	21 33 50.0	−0.2		

1985 8 6
O = 00 14 35.8 ± 0.09s
LAT = 20.08 S ± 1.58km
LONG = 178.35 W ± 1.73km
DEPTH = 605 km ± 1.06km
STATIONS USED = 69, STAND DEV = 1.44s
m_B = 5.2 / 4

QZH	75.9	303	−iP	00 25 23.0	−0.6		
			PMZ	m_B = 5.1		4.0	0.37
			PP	00 28 22.5	−3.3		
			eS	00 34 15.0	−4.4		
			SME	m_B = 5.1		7.0	0.30
SSE	77.2	310	eP	00 25 29.5	−0.9		
			epP	00 27 36.0	0.6		
			eScS	00 34 47.0	−3.4		
GZH	79.2	299	−iP	00 25 42.0	0.7		
NJ2	79.4	310	−iP	00 25 42.0	0.0		
			sP	00 28 48.0	0.5		
			S	00 34 55.0	1.3		
SNY	81.7	320	−iP	00 25 53.4	−0.5		
CN2	81.8	323	−iP	00 25 53.3	−1.1		
			PMZ	m_B = 5.2		4.0	0.40
			pP	00 28 02.0	0.8		
			sP	00 29 01.2	0.6		
			eS	00 35 14.5	−4.8		
			SME	m_B = 5.3		7.0	0.40
WHN	81.9	306	eP	00 25 55.0	−0.2		
BJI	85.4	316	eP	00 26 12.0	−0.1		
			epP	00 28 23.0	2.8		
			esP	00 29 22.0	2.7		
			eSKS	00 35 37.0	−1.1		
			eS	00 35 57.0	3.2		
GYA	86.2	300	−P	00 26 16.6	0.5		
			pP	00 28 25.0	0.8		
			PP	00 29 47.0	−1.6		
TIY	86.8	312	eP	00 26 18.8	−0.1		
XAN	87.6	307	−iP	00 26 23.1	0.2		
			SKS	00 35 52.5	0.0		
			S	00 36 19.0	6.1		
KMI	88.9	297	−P	00 26 29.5	0.6		
BTO	89.8	314	eP	00 26 33.5	0.6		
LZH	92.3	308	−P	00 26 44.5	0.1		
			eSKS	00 36 19.0	−0.4		
			eS	00 37 00.5	4.8		
GTA	96.5	309	eP	00 27 02.6	−0.8		

1985 8 6
O = 02 41 00.9 ± 0.15s
LAT = 31.05 S ± 2.92km
LONG = 177.92 W ± 3.24km
DEPTH = 30 km ± 0.75km
STATIONS USED = 9, STAND DEV = 2.96s

CN2	90.7	323	eP	02 54 02.6	−0.4		

1985 8 6
O = 05 58 53.2 ± 0.07s
LAT = 36.38 N ± 1.59km
LONG = 140.96 E ± 1.07km
DEPTH = 50 km ± 0.82km
STATIONS USED = 79, STAND DEV = 1.62s
Ms = 4.5 / 9, m_B = 4.8 / 2

MDJ	11.9	317	−P	06 01 46.0	2.6		
			pP	06 01 53.4	1.5		
			sP	06 02 00.0	1.3		
			S	06 04 00.0	5.2		
CN2	14.0	307	eP	06 02 11.0	0.4		
			pP	06 02 20.5	1.0		
			PP	06 02 24.0	2.1		
			eS	06 04 42.0	−2.5		
			SME	m_B = 4.8		7.0	0.40
			sS	06 04 54.0	−5.2		
			LN	Ms = 4.3		13.0	0.70
			LE			13.0	0.90
SNY	14.5	297	+iP	06 02 19.8	1.9		
			eS	06 04 56.0	−1.7		
			LN	Ms = 4.4		13.0	0.82
			LE			17.0	1.09
DL2	15.5	285	eP	06 02 34.0	3.5		
			eS	06 05 26.0	5.4		
			LN	Ms = 4.4		14.0	0.54
			LE			16.0	1.29
SSE	17.3	258	eP	06 02 49.3	−3.2		
			epP	06 03 00.0	−2.1		
			sS	06 06 08.0	−8.3		
			eSS	06 06 14.0	−8.1		
			LZ	Ms = 4.3		20.0	1.16
NJ2	18.8	263	+P	06 03 10.0	−1.0		
TIA	19.2	277	eP	06 03 14.0	−2.0		
			eS	06 06 43.0	−1.4		
			eSS	06 07 15.0	4.4		
			LN	Ms = 4.5		15.0	1.00
BJI	19.8	288	eP	06 03 21.0	−1.4		
			eS	06 06 54.0	−3.4		
			esS	06 07 10.0	−3.4		
TIY	22.8	282	eP	06 03 53.0	0.3		
			SME	m_B = 4.9		10.0	0.35

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			LN		Ms=4.7	14.0	0.67
			LE			14.0	1.01
WHN	22.9	263	eP	06 03 53.5	−0.5		
			pP	06 04 03.0	−2.6		
			SS	06 08 49.0	8.0		
			LN		Ms=4.6	15.0	0.73
			LE			16.0	0.71
HHC	23.3	290	eP	06 03 58.0	−0.3		
BTO	24.5	289	eP	06 04 12.5	2.8		
			eS	06 08 27.0	3.1		
			LN		Ms=4.6	16.0	0.30
			LE			15.0	0.80
			LZ		Ms=4.5	15.0	0.80
XAN	26.2	274	P	06 04 24.4	−1.3		
			pP	06 04 40.0	2.5		
GZH	27.3	249	−P	06 04 36.7	1.3		
LZH	29.8	281	eP	06 04 58.0	−0.4		
GYA	30.8	261	−P	06 05 05.6	−1.0		
			pP	06 05 18.0	−0.5		
			S	06 10 04.8	1.1		
CD2	31.3	271	eP	06 05 11.0	−0.4		
GTA	32.4	288	P	06 05 20.6	−0.6		
KMI	34.5	262	+P	06 05 38.0	−1.3		
			pP	06 05 54.0	2.7		
WMQ	40.8	297	P	06 06 33.5	1.4		
			PMZ			1.2	0.12
			S	06 12 44.5	6.4		
			SMN			2.0	0.030
LSA	41.9	276	P	06 06 41.6	0.2		
KSH	50.4	294	−iP	06 07 50.0	2.0		

1985 8 6
O=12 15 29.9 ± 0.10s
LAT=10.22 S ± 1.52km
LONG=164.70 E ± 1.62km
DEPTH= 11 km ± 0.77km
STATIONS USED = 20, STAND DEV= 1.75s

NJ2	60.7	316	cP	12 25 44.6	0.1	
WHN	63.1	312	eP	12 26 00.0	−0.3	
CN2	64.5	330	+P	12 26 09.3	−0.5	
GYA	67.1	304	eP	12 26 30.0	3.5	
BJI	67.2	321	P	12 26 25.0	−2.0	
XAN	68.8	313	eP	12 26 34.6	−2.5	
KMI	69.8	302	+P	12 26 43.0	−0.5	
CD2	71.3	308	eP	12 26 52.2	−0.1	
GTA	77.7	314	P	12 27 31.3	1.6	
WMQ	87.8	315	eP	12 28 19.7	−1.7	

1985 8 6
O=13 27 57.8 ± 0.11s
LAT= 6.88 S ± 1.63km
LONG=154.68 E ± 1.41km
DEPTH= 28 km ± 0.14km
STATIONS USED = 26, STAND DEV= 1.52s

WHN	53.6	316	eP	13 37 19.6	0.1	
CN2	57.0	335	eP	13 37 41.5	−2.1	
GYA	57.1	307	P	13 37 45.6	0.6	
XAN	59.4	316	eP	13 37 59.6	−1.2	
CD2	61.5	311	P	13 38 15.6	0.5	
LZH	64.0	316	eP	13 38 32.5	0.6	
GTA	68.4	317	P	13 39 00.0	−0.1	
WMQ	78.5	317	eP	13 40 00.5	1.4	

1985 8 6
O=15 03 00.9 ± 0.10s
LAT=19.69 N ± 1.07km
LONG=121.26 E ± 1.22km
DEPTH= 51 km ± 0.99km
STATIONS USED = 28, STAND DEV= 2.74s
Ms=3.6/ 2,

QZH	5.8	335	eP	15 04 22.5	−3.8		
			eS	15 05 24.2	−6.9		
			LN		Ms=3.1	14.0	0.28
GZH	8.1	296	eP	15 04 54.0	−4.9		
			eS	15 06 27.0	−2.1		
QZN	10.8	268	P	15 05 33.8	−2.0		
			S	15 07 28.8	−6.2		
GYA	15.0	299	P	15 06 33.2	1.3		
TIA	16.9	348	eP	15 06 55.3	0.3		
XAN	18.0	325	eP	15 07 09.6	0.0		
CD2	19.3	309	eP	15 07 25.5	0.4		
TIY	19.5	339	eP	15 07 27.9	0.6		
			S	15 10 57.0	−1.7		
			LN		Ms=4.1	13.0	0.25
			LE			13.0	0.24
BJI	20.7	349	eP	15 07 40.5	0.6		
SNY	22.2	5	eP	15 07 52.6	−1.5		
CN2	24.3	7	eP	15 08 14.0	−1.0		
GTA	27.0	321	eP	15 08 41.5	1.2		

1985 8 6
O=15 13 18.0 ± 0.11s
LAT= 6.76 S ± 1.62km
LONG=154.61 E ± 1.45km
DEPTH= 32 km ± 0.11km
STATIONS USED = 22, STAND DEV= 1.76s

WHN	53.5	316	eP	15 22 39.0	0.7
GYA	57.0	307	P	15 23 04.2	0.3
XAN	59.3	316	P	15 23 19.1	−0.5
CD2	61.4	311	eP	15 23 34.2	0.2

LZH	63.9	316	+iP	15 23 51.0		0.3
GTA	68.3	317	+P	15 24 19.8		0.8
WMQ	78.4	317	P	15 25 18.0		−0.1

1985 8 6
O = 16 37 56.7 ± 0.12s
LAT = 19.71 N ± 1.32km
LONG = 121.22 E ± 1.68km
DEPTH = 60 km ± 1.05km
STATIONS USED = 35, STAND DEV = 2.27s
Ms = 3.7 / 2, M_L = 3.8 / 1,

QZH	5.7	335	eP	16 39 16.5		−5.1	
			PP	16 39 23.0		−5.3	
			eS	16 40 19.3		−6.3	
			LN	Ms = 3.3		14.0	0.48
GZH	8.1	296	+P	16 39 50.0		−3.9	
			SMN	M_L = 3.8		0.5	0.030
			SME			0.5	0.020
QZN	10.8	268	P	16 40 28.8		−1.9	
			S	16 42 23.8		−5.3	
WHN	12.4	331	iP	16 40 55.0		1.7	
GYA	15.0	299	P	16 41 28.8		2.1	
TIA	16.8	348	eP	16 41 50.0		0.0	
XAN	18.0	325	eP	16 42 04.6		0.3	
CD2	19.3	309	eP	16 42 20.8		1.1	
TIY	19.5	339	eP	16 42 22.3		0.3	
			S	16 45 57.0		4.8	
			LN	Ms = 4.1		13.0	0.25
			LE			13.0	0.24
BJI	20.7	349	eP	16 42 34.5		−0.2	
SNY	22.1	5	eP	16 42 48.8		−0.1	
LZH	22.3	320	eP	16 42 53.5		2.3	
BTO	22.9	338	eP	16 43 00.0		3.3	
CN2	24.3	7	P	16 43 09.7		−0.1	
MDJ	25.8	14	eP	16 43 22.0		−2.2	
GTA	26.9	321	eP	16 43 36.2		1.3	

1985 8 7
O = 01 32 04.9 ± 0.12s
LAT = 35.56 N ± 1.77km
LONG = 140.15 E ± 0.33km
DEPTH = 79 km ± 0.99km
STATIONS USED = 19, STAND DEV = 1.85s

MDJ	12.1	321	eP	01 35 00.2	3.9	
CN2	14.0	310	eP	01 35 24.0	3.2	
BJI	19.4	290	eP	01 36 26.5	−1.4	
GYA	30.0	262	P	01 38 09.4	0.8	

1985 8 7
O = 03 38 13.9 ± 0.09s
LAT = 20.61 S ± 1.10km
LONG = 169.70 E ± 1.27km
DEPTH = 100 km ± 0.99km
STATIONS USED = 31, STAND DEV = 1.33s

TIA	75.2	318	eP	03 49 48.1		−0.2	
CN2	75.8	329	eP	03 49 47.4		−4.3	
GYA	77.0	305	eP	03 49 58.0		0.0	
BJI	78.3	321	eP	03 50 05.5		0.4	
TIY	79.1	317	eP	03 50 10.0		0.1	
			LE			10.0	0.17
XAN	79.3	312	−P	03 50 11.0		−0.1	
KMI	79.4	302	+P	03 50 12.5		1.1	
LZH	84.0	312	eP	03 50 36.0		0.8	
GTA	88.4	313	eP	03 50 57.0		0.2	

1985 8 7
O = 06 24 06.5 ± 0.07s
LAT = 0.16 N ± 1.09km
LONG = 120.36 E ± 1.53km
DEPTH = 69 km ± 0.15km
STATIONS USED = 99, STAND DEV = 1.27s
Ms = 4.7 / 9, m_B = 5.5 / 5

QZN	21.4	332	P	06 28 50.3		−0.2	
			pP	06 29 10.0		4.1	
			PP	06 29 18.0		0.9	
			cS	06 32 40.0		0.9	
			sS	06 33 07.0		3.2	
GZH	23.8	344	−P	06 29 14.5		0.7	
			S	06 33 22.0		1.2	
			SMN	m_B = 5.7		8.0	1.41
			SME			8.0	0.72
			LN	Ms = 4.5		11.0	0.58
QZH	24.7	356	eP	06 29 23.0	0.4		
			PP	06 30 05.0	3.7		
			S	06 33 41.0	4.9		
GYA	29.3	334	P	06 30 05.0	0.1		
			pP	06 30 23.0	2.1		
			S	06 34 55.0	4.2		
			ScP	06 36 45.0	1.2		
			LN	Ms = 4.7		14.0	0.50
			LE			14.0	0.60
KMI	30.1	327	−P	06 30 12.0	−0.2		
WHN	30.7	350	P	06 30 18.5	0.8		
			PMZ	m_B = 5.5		6.0	0.53
			sP	06 30 38.5	−4.1		
			PcP	06 33 12.5	−0.8		
			iS	06 35 18.0	3.3		
			SMN	m_B = 5.4		5.0	0.46
			sS	06 35 50.0	7.0		
			LN	Ms = 5.1		18.0	2.21

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SSE	30.8	1	+P	06 30 19.2	1.3		
			PMZ			1.0	0.030
			epP	06 30 38.0	3.8		
			esP	06 30 44.0	1.2		
			ePP	06 31 24.0	3.4		
			eS	06 35 19.0	3.9		
			sS	06 35 47.0	3.6		
			SS	06 37 10.0	9.0		
			LN	Ms=4.6		22.0	0.93
NJ2	31.7	358	eP	06 30 26.5	0.0		
			sP	06 30 54.0	2.6		
			eS	06 35 32.0	1.5		
			LE	Ms=4.8		11.0	0.68
CD2	34.4	334	P	06 30 49.0	−0.5		
			PMZ			1.0	0.050
			S	06 36 10.5	−0.3		
			LE	Ms=5.1		10.0	1.01
XAN	35.4	343	eP	06 30 58.0	0.3		
			sP	06 31 23.0	0.2		
			S	06 36 28.0	2.3		
			sS	06 36 55.0	0.0		
TIA	36.0	356	+P	06 31 03.3	0.3		
			eS	06 36 34.0	−2.3		
			SMN			15.0	0.58
			SME			15.0	0.64
TIY	38.1	350	eP	06 31 21.0	0.5		
			S	06 37 10.0	3.0		
			LN	Ms=5.0		11.0	0.39
			LE			16.0	1.02
DL2	38.6	2	eP	06 31 24.0	−0.6		
			sP	06 31 51.0	1.2		
			eS	06 37 13.0	−2.5		
			sS	06 37 40.0	−4.3		
LZH	38.9	338	−P	06 31 28.0	0.5		
			sS	06 37 52.0	2.7		
BJI	39.9	355	eP	06 31 36.0	0.6		
			epP	06 31 54.0	1.9		
			eScP	06 37 21.5	0.1		
			eS	06 37 36.0	0.9		
			SMN	m_B=5.1		8.0	0.28
			esS	06 38 06.0	2.1		
LSA	40.5	319	−P	06 31 41.2	0.4		
			S	06 37 46.0	3.0		
			sS	06 38 15.0	2.2		
HHC	41.3	350	+iP	06 31 48.2	1.1		
SNY	41.6	4	−P	06 31 49.2	−0.2		
			pP	06 32 05.5	−0.7		
			sP	06 32 14.0	−0.7		
			S	06 37 57.0	−2.4		
			sS	06 38 27.5	−1.8		
			LE	Ms=4.7		13.0	0.45
GTA	43.3	337	−iP	06 32 05.4	1.3		
			ScP	06 37 36.6	1.4		
			ScS	06 41 54.4	0.4		
CN2	43.7	5	P	06 32 05.2	−1.4		
			sP	06 32 37.0	5.0		
			cPP	06 33 47.0	−3.4		
			ScP	06 37 36.4	−0.1		
			eS	06 38 27.5	−3.8		
			ScS	06 41 57.0	0.9		
			LE	Ms=4.6		22.0	0.50
MDJ	45.0	9	eP	06 32 17.5	0.2		
			sP	06 32 44.0	1.4		
			S	06 38 50.0	0.5		
			SME	m_B=5.5		4.0	0.27
			sS	06 39 18.0	−1.8		
			SS	06 42 03.0	−1.7		
WMQ	52.3	330	P	06 33 14.3	0.4		
			pP	06 33 32.5	1.5		
			PcP	06 34 23.3	−0.2		
			ScP	06 38 14.0	1.2		
			S	06 40 35.0	3.4		
			SMN			2.0	0.020
			sS	06 41 10.0	7.5		
			ScS	06 42 52.5	−0.5		

1985 8 7

O=13 21 46.5 ± 0.05s
LAT=18.83 S ± 1.02km
LONG=168.32 E ± 1.74km
DEPTH= 33 km ± 0.49km
STATIONS USED = 34, STAND DEV= 1.22s

MDJ	72.4	332	+P	13 33 11.0	−0.7
SNY	73.2	327	eP	13 33 17.0	0.5
CN2	73.7	329	−P	13 33 18.2	−1.2
GYA	74.9	305	P	13 33 26.4	−0.2
BJI	76.1	321	eP	13 33 35.0	1.7
TIY	76.9	318	eP	13 33 39.8	1.4
XAN	77.2	313	P	13 33 39.4	−0.4
KMI	77.3	302	+P	13 33 41.0	0.4
CD2	79.3	308	eP	13 33 51.6	0.3
LZH	81.8	312	eP	13 34 05.5	0.7
GTA	86.2	314	P	13 34 26.7	−0.2

1985 8 7

O=15 43 21.7 ± 0.09s
LAT=27.84 N ± 2.57km
LONG= 53.03 E ± 1.29km
DEPTH= 14 km ± 0.33km
STATIONS USED = 98, STAND DEV= 1.40s

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Ms=5.5/25,			m_B=5.5/3				
KSH	22.3	53	eP	15 48 23.0	2.4		
			pP	15 48 27.0	0.7		
WMQ	32.0	51	+P	15 49 51.0	0.3		
			PMZ			1.5	0.30
			PcP	15 52 42.5	2.9		
			S	15 54 56.5	−3.8		
			sS	15 55 09.0	−2.2		
			SS	15 56 51.5	−1.2		
			LZ	Ms=5.3		20.0	4.38
LSA	33.4	78	P	15 50 01.4	−1.3		
			eS	15 55 21.0	−1.8		
			LN	Ms=5.4		17.0	3.91
GTA	40.2	61	P	15 51 00.0	−0.3		
			SS	15 59 58.0	0.0		
			LN	Ms=5.6		16.0	4.10
LZH	43.5	66	+iP	15 51 27.5	0.5		
			PMZ			1.2	0.32
			pP	15 51 32.0	−1.0		
			sS	15 58 04.0	−1.1		
			LZ	Ms=5.5		12.5	2.24
CD2	44.0	73	eP	15 51 31.2	0.0		
			ePP	15 53 21.0	6.1		
			eS	15 58 00.0	−2.7		
			ScS	16 01 25.5	−1.0		
			LN	Ms=5.7		16.0	4.68
			LZ	Ms=5.5		18.0	3.63
KMI	44.3	82	eP	15 51 34.0	0.0		
			PP	15 53 20.0	1.9		
			S	15 58 03.0	−3.3		
			sS	15 58 13.0	−4.5		
			LN	Ms=5.4		16.0	2.10
GYA	47.4	79	eP	15 52 00.2	1.8		
			sP	15 52 10.0	2.7		
			S	15 58 49.0	−1.5		
			LN	Ms=5.5		16.0	2.20
			LE			16.0	1.80
XAN	47.8	68	+P	15 52 00.8	−0.8		
			pP	15 52 06.0	−1.7		
			PP	15 53 58.0	6.1		
			S	15 58 56.0	−0.4		
			LN	Ms=5.6		14.0	2.07
			LE			14.0	2.14
BTO	48.1	59	P	15 52 03.5	0.1		
			pP	15 52 09.0	−0.3		
			ePP	15 53 55.0	1.1		
			eS	15 58 56.0	−4.6		
			sS	15 59 06.0	−4.7		
			eSS	16 02 17.0	−6.1		
			LN	Ms=5.6		16.0	3.20
			LE			13.0	0.80
			LZ	Ms=5.4		13.0	1.70
TIY	50.2	63	P	15 52 19.4	−0.3		
			PMZ			1.4	0.18
QZN	52.5	87	eP	15 52 36.6	−0.4		
			eS	15 59 57.0	−4.8		
			sS	16 00 06.0	−6.0		
			LN	Ms=5.3		14.0	0.80
			LE			15.0	1.10
BJI	52.8	59	eP	15 52 39.0	−0.3		
			ePcP	15 53 47.5	−0.4		
			eS	16 00 05.0	−1.0		
			SMN	m_B=5.5		10.0	0.29
			SME			10.0	0.52
			LN	Ms=5.6		20.0	2.47
			LE			20.0	2.73
			LZ	Ms=5.5		20.0	2.71
WHN	53.0	71	eP	15 52 40.2	−0.8		
			eS	16 00 10.0	0.9		
			LN	Ms=5.5		18.0	2.23
TIA	54.1	64	eP	15 52 48.4	−0.8		
			S	16 00 26.0	3.0		
			LN	Ms=5.7		22.0	3.90
			LE			22.0	1.50
			LZ	Ms=5.1		30.0	1.76
GZH	54.2	81	−P	15 52 53.0	3.3		
			S	16 00 29.0	4.9		
			LN	Ms=5.5		18.0	2.28
			LE			16.0	1.10
NJ2	56.4	68	+P	15 53 04.9	−0.9		
			S	16 00 55.5	1.9		
			LN	Ms=5.4		15.0	0.90
			LE			16.0	1.30
			LZ	Ms=5.5		18.0	2.30
DL2	57.1	60	P	15 53 10.0	−1.0		
			eS	16 01 04.0	−0.3		
			LN	Ms=5.6		12.0	0.40
			LE			15.0	2.17
SNY	58.1	56	eP	15 53 15.6	−1.9		
			S	16 01 15.3	0.0		
			LE	Ms=5.7		15.0	3.09
QZH	58.2	77	eP	15 53 18.0	−0.2		
			eS	16 01 15.0	−2.9		
			LN	Ms=5.7		19.0	3.17
			LE			19.0	0.93
SSE	58.6	69	eP	15 53 22.0	0.9		
			eS	16 01 21.0	−2.3		
			ScS	16 03 03.0	−3.0		
			eSS	16 05 12.0	−4.4		
			LN	Ms=5.5		15.0	1.27

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			LE			15.0	1.30
CN2	59.1	54	+P	15 53 23.0	−1.5		
			pP	15 53 29.0	−1.6		
			sP	15 53 32.0	−1.5		
			PcP	15 54 15.0	2.8		
			ePP	15 55 38.0	2.0		
			SMN	m_B=5.5		10.0	0.40
			SME			10.0	0.50
			LN	Ms=5.9		15.0	2.80
			LE			15.0	3.10
MDJ	61.8	52	eP	15 53 45.0	1.6		
			PP	15 56 04.0	3.0		
			S	16 02 04.9	1.0		
			SME	m_B=5.3		11.0	0.43

1985 8 7
O=16 06 21.3 ± 0.12s
LAT= 9.68 S ± 1.12km
LONG=117.84 E ± 1.59km
DEPTH= 75 km ± 0.67km
STATIONS USED = 20, STAND DEV= 1.96s

GYA	37.5	343	P	16 13 31.2	0.9
KMI	37.6	337	eP	16 13 35.5	4.5
NJ2	41.5	1	eP	16 14 05.4	2.3
CD2	42.6	342	P	16 14 12.6	0.7
XAN	44.3	349	P	16 14 25.6	−0.3
TIY	47.4	354	eP	16 14 50.2	−0.5
BJI	49.5	358	eP	16 15 06.0	−0.6
GTA	51.6	342	eP	16 15 20.0	−3.1
MDJ	55.1	10	−P	16 15 48.4	0.0

1985 8 7
O=17 42 39.5 ± 0.08s
LAT=19.45 S ± 1.63km
LONG=178.02 W ± 0.94km
DEPTH=626 km ± 1.59km
STATIONS USED = 33, STAND DEV= 1.30s

NJ2	79.2	310	eP	17 53 44.0	0.8
MDJ	79.7	325	−P	17 53 46.5	0.9
CN2	81.5	322	−P	17 53 55.0	0.2
			pP	17 56 07.3	2.3
BJI	85.1	315	eP	17 54 13.0	0.0
GYA	86.1	300	P	17 54 19.4	1.6
XAN	87.5	307	−P	17 54 25.0	0.8
KMI	88.9	297	−P	17 54 32.0	1.2
CD2	90.2	303	eP	17 54 32.6	−4.2
GTA	96.3	309	P	17 55 05.4	0.8

1985 8 7
O=21 34 04.2 ± 0.10s
LAT=31.66 N ± 1.03km
LONG=103.92 E ± 1.33km
DEPTH= 7 km ± 0.90km
STATIONS USED = 6, STAND DEV= 4.01s

				M_L=3.2 / 4,			
CD2	0.8	191	Pg	21 34 18.4	0.6		
			Sg	21 34 28.6	0.5		
			SMN	M_L=3.0		0.6	0.68
			SME			0.8	0.40
XAN	4.8	59	ePn	21 35 22.6	4.8		
			Pg	21 35 33.8	4.3		
			Sn	21 36 13.4	−2.6		
			Sg	21 36 32.4	−3.1		
			SMN	M_L=3.5		0.8	0.040
			SME			1.0	0.090
GYA	5.7	154	ePn	21 35 29.4	−0.5		
			Pg	21 35 51.8	6.8		
			Sg	21 37 02.4	−0.6		
			SMN	M_L=3.4		1.2	0.030
			SME			1.0	0.040
CN2	20.8	48	−P	21 38 47.0	−2.3		

1985 8 8
O=00 42 03.1 ± 0.13s
LAT=10.42 N ± 1.32km
LONG=126.03 E ± 1.65km
DEPTH= 66 km ± 1.29km
STATIONS USED = 42, STAND DEV= 1.68s
m_B=5.0 / 1

QZN	17.8	301	eP	00 46 06.2	−2.2		
SSE	21.1	348	+P	00 46 45.0	1.0		
			PMZ			1.2	0.040
			epP	00 47 00.0	1.3		
			eS	00 50 35.0	5.3		
			esS	00 50 49.0	−4.0		
NJ2	22.5	344	+P	00 47 00.0	1.5		
			PMZ	m_B=5.0		4.0	0.30
			sP	00 47 21.0	−0.9		
WHN	22.8	333	eP	00 47 02.2	1.2		
GYA	24.3	314	P	00 47 16.0	0.4		
KMI	26.5	307	eP	00 47 37.0	0.3		
TIA	26.9	344	eP	00 47 40.1	−0.2		
XAN	28.3	329	+P	00 47 51.1	−1.4		
DL2	28.6	353	eP	00 47 55.6	−0.2		
CD2	29.0	318	P	00 47 58.4	−1.1		
TIY	29.8	338	eP	00 48 02.2	−4.1		
BJI	30.8	345	eP	00 48 14.0	−0.8		
SNY	31.4	356	+P	00 48 20.2	0.2		
LZH	32.5	325	eP	00 48 30.0	−0.3		
HHC	32.9	340	eP	00 48 33.0	−0.5		

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CN2	33.3	359	eP	00 48 38.2	1.6	
GTA	37.1	325	+iP	00 49 10.1	0.5	
WMQ	47.0	322	P	00 50 30.0	0.3	

1985 8 8
O = 04 26 29.8 ± 0.15s
LAT = 24.49 N ± 1.09km
LONG = 122.02 E ± 1.50km
DEPTH = 7 km ± 0.15km
STATIONS USED = 13, STAND DEV = 2.53s
Ms = 3.3 / 2, M_L = 3.8 / 1,

QZH	3.2	279	ePn	04 27 21.0	0.8	
			Pg	04 27 30.5	5.0	
			Sn	04 27 55.0	−5.0	
			SMN	M_L = 3.8	1.0	0.52
			SME		0.5	0.15
			LN	Ms = 3.2	15.0	1.14
SSE	6.6	354	P	04 28 10.0	−0.2	
			LG_2	04 30 10.0	1.6	
			LE	Ms = 3.5	14.0	0.58

1985 8 8
O = 09 13 00.9 ± 0.08s
LAT = 3.77 S ± 0.67km
LONG = 128.49 E ± 0.57km
DEPTH = 114 km ± 0.84km
STATIONS USED = 21, STAND DEV = 1.18s

GYA	36.7	326	eP	09 19 59.6	0.2	
KMI	38.1	320	eP	09 20 11.5	0.7	
CD2	41.8	327	eP	09 20 40.8	−0.4	
XAN	41.9	335	P	09 20 40.4	−1.7	

1985 8 8
O = 09 43 40.9 ± 0.21s
LAT = 22.90 N ± 1.57km
LONG = 118.08 E ± 1.30km
DEPTH = 25 km
STATIONS USED = 8, STAND DEV = 2.01s
M_L = 3.6 / 6,

QZH	2.1	13	ePn	09 44 13.7	−1.1	
			Pg	09 44 16.2	−1.7	
			Sn	09 44 37.6	−4.0	
			Sg	09 44 39.5	−7.1	
			SMN	M_L = 3.5	0.1	0.31
			SME		0.1	0.38
GZH	4.4	273	ePn	09 44 47.5	1.3	
			Pg	09 45 06.0	7.9	
			Sg	09 45 51.5	−6.3	
			SMN	M_L = 3.6	0.9	0.15
			SME		0.9	0.080

1985 8 8
O = 14 59 20.9 ± 0.07s
LAT = 30.17 N ± 1.05km
LONG = 141.38 E ± 1.51km
DEPTH = 51 km ± 0.60km
STATIONS USED = 26, STAND DEV = 1.34s

MDJ	17.2	330	P	15 03 21.0	2.1	
SSE	17.4	278	eP	15 03 24.5	2.7	
SNY	18.5	314	eP	15 03 34.8	−0.1	
CN2	18.6	321	+eP	15 03 35.0	−1.3	
NJ2	19.4	281	eP	15 03 46.7	1.4	
BJI	22.8	302	eP	15 04 19.5	−0.7	
TIY	25.1	295	eP	15 04 42.2	−0.5	
XAN	27.7	287	eP	15 05 05.3	−1.5	
GYA	30.7	272	eP	15 05 34.0	0.3	
CD2	32.3	281	P	15 05 46.2	−1.5	

1985 8 8
O = 16 18 02.4 ± 0.09s
LAT = 6.12 S ± 1.37km
LONG = 113.47 E ± 2.04km
DEPTH = 593 km ± 0.84km
STATIONS USED = 127, STAND DEV = 1.41s
m_B = 5.8 / 25

QZN	25.2	352	+iP	16 22 46.4	1.3		
			sP	16 25 29.0	5.5		
			PcP	16 25 59.4	1.7		
			S	16 26 33.0	2.3		
			SMN	m_B = 5.8		11.0	6.40
			SME			11.0	2.70
			ScP	16 28 35.0	−5.8		
			PcS	16 29 35.0	−1.2		
			ScS	16 32 34.0	3.9		
GZH	29.0	360	+iP	16 23 18.7	0.7		
			PMZ	m_B = 5.8		7.0	1.75
			sP	16 26 05.0	5.2		
			S	16 27 30.0	0.5		
			SMN	m_B = 5.7		12.0	5.28
			SME			10.0	1.06
QZH	31.3	9	+P	16 23 36.5	−0.6		
			sP	16 26 18.5	−1.7		
			iS	16 28 03.0	−2.1		
			SMN	m_B = 5.8		10.0	4.84
			SME			10.0	2.65
KMI	32.8	342	+iP	16 23 52.5	2.7		
			sP	16 26 41.0	7.5		
			iS	16 28 29.0	0.8		
			SMN	m_B = 6.0		8.0	4.20
			SME			8.0	4.40

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GYA	33.0	349	+P	16 23 53.2	1.0		
			PMZ			1.2	0.40
			PcP	16 26 19.0	1.2		
			sP	16 26 40.4	4.4		
			S	16 28 31.8	0.6		
			SMN	$m_B = 5.9$		8.0	4.70
			ScP	16 29 07.0	1.2		
WHN	36.5	1	+iP	16 24 21.0	0.8		
			PMZ	$m_B = 5.9$		7.0	2.50
			PcP	16 26 26.0	−1.9		
			sP	16 27 08.0	2.3		
			iS	16 29 24.0	0.7		
			SMZ			8.0	5.00
			PcS	16 30 15.0	1.3		
			iSS	16 32 34.0	4.5		
SSE	37.7	11	+iP	16 24 31.7	1.0		
			PMZ			0.7	0.090
			pP	16 26 13.0	−6.9		
			sP	16 27 16.0	−0.7		
			S	16 29 35.0	−6.0		
			SMN	$m_B = 5.9$		8.0	4.24
			SME			8.0	4.03
			SS	16 32 49.0	−2.4		
CD2	38.0	346	+iP	16 24 33.0	0.3		
			iS	16 29 43.0	−2.5		
			SMN			1.4	2.06
			SME			1.3	0.23
NJ2	38.3	7	+P	16 24 36.0	0.7		
			pP	16 26 18.0	−6.9		
			PP	16 26 21.5	−0.9		
			PcP	16 26 35.5	1.8		
			sP	16 27 23.0	1.5		
			ScP	16 29 27.0	2.0		
			S	16 29 45.5	−3.8		
XAN	40.2	354	+P	16 24 50.0	−0.4		
			PMZ	$m_B = 5.7$		8.0	1.60
			pP	16 26 36.0	4.3		
			PcP	16 26 40.0	0.2		
			sP	16 27 38.0	0.7		
			S	16 30 16.0	−0.4		
			SMN	$m_B = 5.9$		10.0	5.46
			SME			9.0	1.02
			PcS	16 30 32.0	4.2		
			sS	16 33 21.0	1.9		
			SS	16 33 34.0	−0.2		
LSA	41.6	330	+P	16 25 02.0	0.0		
			PP	16 26 45.0	−6.0		
			iS	16 30 35.5	−2.7		
TIA	42.2	4	+P	16 25 06.1	−0.8		
			PMZ			1.3	1.15
			PcP	16 26 46.5	−0.2		
			PP	16 26 57.0	0.0		
			ScP	16 29 42.7	2.2		
			S	16 30 37.0	−8.9		
			SMN			22.0	6.58
			SME			22.0	1.95
			sS	16 33 49.0	−2.0		
			ScS	16 34 02.8	2.1		
LZH	42.9	349	+iP	16 25 13.0	0.5		
			PMZ			1.6	0.47
			PcP	16 26 50.0	0.9		
			pP	16 26 56.0	0.1		
			PP	16 27 08.0	5.0		
			sP	16 28 05.0	4.6		
			ScP	16 29 43.0	−0.3		
			S	16 30 56.0	0.2		
			SMN	$m_B = 5.9$		9.0	4.34
			ScS	16 34 08.0	3.0		
TIY	43.6	359	+iP	16 25 17.3	−0.3		
			PMZ			0.8	0.090
			pP	16 27 03.5	1.9		
			ScP	16 29 47.0	1.0		
			S	16 31 03.5	−1.8		
			SMN	$m_B = 5.7$		9.0	2.58
			SME			8.0	1.16
DL2	45.4	9	cP	16 25 29.4	−2.1		
			pP	16 27 16.4	−0.3		
			PP	16 27 29.0	0.1		
			sP	16 28 20.5	−0.1		
			S	16 31 28.0	−2.6		
			SMN	$m_B = 6.0$		8.0	3.49
			SME			8.0	1.64
BJI	46.0	3	cP	16 25 35.0	−0.9		
			PMZ	$m_B = 5.4$		7.0	0.72
			cpP	16 27 23.0	1.6		
			cScP	16 29 57.0	1.2		
			cS	16 31 37.0	−2.5		
			SMN	$m_B = 5.9$		10.0	3.59
			cScS	16 34 25.0	0.2		
BTO	46.6	356	−iP	16 25 40.4	−0.1		
			PcP	16 27 01.0	−1.0		
			pP	16 27 29.0	2.7		
			csP	16 28 34.0	4.0		
			cScP	16 30 03.0	4.6		
			S	16 31 49.0	2.3		
			cScS	16 34 28.0	−0.8		
			csS	16 35 02.0	5.5		
HHC	46.8	358	+iP	16 25 41.8	−0.1		
GTA	47.0	346	+iP	16 25 45.0	1.1		
			PMZ	$m_B = 5.2$		12.0	0.86

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			iPcP	16 27 04.2	0.6		
			pP	16 27 33.0	3.1		
			ScP	16 30 01.9	1.7		
			PcS	16 30 56.5	1.4		
			S	16 31 54.0	1.3		
			SMN	$m_B = 5.7$		8.0	1.15
			SME			8.0	1.57
			ScS	16 34 33.0	1.3		
SNY	48.6	10	+iP	16 25 55.0	−0.5		
			PMZ	$m_B = 5.3$		10.0	0.90
			pP	16 27 42.5	−0.2		
			sP	16 28 44.0	−2.1		
			ScP	16 30 07.0	0.2		
			iS	16 32 11.0	−4.3		
			SMN	$m_B = 6.1$		7.0	3.46
			SME			7.0	2.05
			ScS	16 34 44.0	1.8		
CN2	50.9	11	+P	16 26 10.5	−1.6		
			PMZ	$m_B = 5.1$		8.0	0.50
			PcP	16 27 14.0	−3.7		
			pP	16 28 00.0	−0.7		
			cPP	16 28 14.0	−4.3		
			sP	16 29 02.0	−1.7		
			ScP	16 30 19.0	2.5		
			eS	16 32 40.0	−5.8		
			SMN	$m_B = 5.8$		9.0	2.20
			ScS	16 34 57.0	−0.6		
			esS	16 35 56.0	−2.6		
			eSS	16 36 26.0	−5.2		
MDJ	52.5	14	−iP	16 26 23.3	−0.9		
			PcP	16 27 23.0	−1.1		
			pP	16 28 14.0	0.0		
			sP	16 29 16.0	−0.7		
			S	16 33 05.0	−2.1		
			SMN	$m_B = 5.7$		9.0	1.74
			ScS	16 35 10.0	0.5		
WMQ	54.9	337	P	16 26 41.0	0.2		
			PMZ			1.5	0.20
			PcP	16 27 33.0	−0.1		
			pP	16 28 34.0	1.9		
			PP	16 28 56.5	2.4		
			iS	16 33 38.0	−1.2		
			SME	$m_B = 6.0$		8.0	2.62
			ScS	16 35 27.5	1.3		
			sS	16 37 01.0	5.4		
KSH	57.1	326	eP	16 26 56.0	0.3		
			PMZ	$m_B = 5.5$		7.0	2.30
			pP	16 28 50.0	1.6		
			iS	16 34 08.0	0.9		
			SME	$m_B = 6.7$		6.0	10.1

1985 8 8
O = 16 29 57.5 ± 0.08s
LAT = 6.12 S ± 1.44km
LONG = 113.52 E ± 2.21km
DEPTH = 593 km ± 0.36km
STATIONS USED = 88, STAND DEV = 1.44s
$m_B = 5.8 / 8$

QZN	25.2	352	+iP	16 34 41.5	1.3		
			PcP	16 37 53.8	1.0		
			iS	16 38 28.0	1.4		
GZH	29.0	360	+iP	16 35 13.8	0.8		
			iS	16 39 24.5	−0.8		
			SMN	$m_B = 5.1$		10.0	0.74
			SME			12.0	1.07
QZH	31.3	9	eP	16 35 29.0	−3.0		
KMI	32.8	342	+iP	16 35 47.5	2.5		
			PMZ			1.0	0.35
			iS	16 40 27.0	3.6		
GYA	33.1	349	+P	16 35 48.8	1.5		
			PMZ			1.2	0.30
			PcP	16 38 13.6	0.7		
			S	16 40 26.0	−0.4		
			SMN	$m_B = 5.8$		5.0	2.60
			ScP	16 41 02.6	1.8		
WHN	36.5	1	iP	16 36 15.0	−0.3		
			iS	16 41 19.0	0.7		
			SMN	$m_B = 5.7$		7.0	3.27
SSE	37.7	11	+iP	16 36 27.0	1.4		
			PMZ	$m_B = 4.5$		9.0	0.13
			PP	16 38 14.5	2.3		
			ePcP	16 38 26.5	−0.4		
			sP	16 39 12.0	0.3		
			S	16 41 28.0	−7.8		
			SMN	$m_B = 5.8$		5.0	1.64
			SME			5.0	2.42
CD2	38.0	46	+iP	16 36 28.5	0.6		
			pP	16 38 12.0	−5.0		
			iS	16 41 37.5	−3.3		
			SMN			3.0	5.56
NJ2	38.3	7	+P	16 36 31.7	1.4		
			pP	16 38 15.5	−4.2		
			PP	16 38 20.5	3.1		
			PcP	16 38 29.4	0.7		
			sP	16 39 17.5	0.9		
			ScP	16 41 21.5	1.6		
			S	16 41 45.0	0.8		
			ScS	16 45 33.0	1.2		
XAN	40.2	34	+iP	16 36 45.3	−0.2		
			S	16 42 09.0	−2.4		

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LSA	41.6	330	+P	16 36 57.3	0.0		
TIA	42.2	4	+P	16 37 01.4	−0.5		
LZH	43.0	348	eP	16 37 08.0	0.4		
			PcP	16 38 45.0	0.8		
			ScP	16 41 40.0	1.6		
			iS	16 42 51.0	−1.3		
			sS	16 46 01.0	4.0		
TIY	43.6	359	P	16 37 12.6	−0.1		
DL2	45.4	9	P	16 37 21.0	−5.5		
			S	16 43 22.0	−3.5		
			SMN	m_B = 5.8		6.0	1.48
			SME			5.0	0.85
BJI	46.0	3	eP	16 37 31.0	0.1		
			ePcP	16 38 55.0	0.1		
			epP	16 39 17.0	0.6		
			eScP	16 41 52.0	1.2		
			eS	16 43 30.0	−4.4		
BTO	46.6	356	P	16 37 35.4	−0.2		
			ePcP	16 38 56.0	−1.0		
			pP	16 39 24.0	2.6		
			S	16 43 45.0	3.2		
HHC	46.8	358	P	16 37 37.0	0.1		
GTA	47.0	345	P	16 37 40.8	1.8		
			PcP	16 38 59.6	1.0		
			pP	16 39 28.5	3.4		
			ScP	16 41 57.0	1.8		
			S	16 43 48.1	0.2		
			ScS	16 46 28.1	1.4		
SNY	48.6	10	−iP	16 37 49.0	−1.5		
			pP	16 39 41.0	3.3		
			sP	16 40 40.0	−1.2		
			S	16 44 05.5	−3.6		
			SMN	m_B = 6.1		4.0	1.29
			SME			4.0	1.43
CN2	50.8	11	−iP	16 38 05.3	−1.8		
			PcP	16 39 12.0	−0.7		
			epP	16 39 55.0	−0.7		
			ePP	16 40 08.0	−5.2		
			ScP	16 42 13.0	1.6		
			eS	16 44 35.0	−5.6		
			ScS	16 46 53.0	0.5		
MDJ	52.5	14	eP	16 38 16.5	−2.6		
WMQ	54.9	337	P	16 38 36.2	0.2		
			PcP	16 39 28.0	−0.2		
			pP	16 40 29.7	2.3		
			sP	16 41 34.0	4.3		
			ScP	16 42 27.5	−1.6		
			S	16 45 33.0	−0.1		
			SMN	m_B = 5.9		5.0	1.18
			ScS	16 47 20.5	−0.9		
			sS	16 48 56.0	5.0		
KSH	57.1	326	−iP	16 38 51.0	0.1		
			pP	16 40 45.0	1.2		
			iS	16 46 02.0	−0.5		
			SME			3.0	3.50

1985 8 8
O = 17 17 42.6 ± 0.10s
LAT = 6.13 S ± 1.68km
LONG = 113.50 E ± 2.76km
DEPTH = 583 km ± 0.74km
STATIONS USED = 71, STAND DEV = 1.79s
m_B = 5.2 / 3

QZN	25.3	352	+iP	17 22 27.3	1.4		
			eS	17 26 12.0	−0.6		
GZH	29.0	360	+iP	17 22 59.0	0.3		
			S	17 27 10.0	−0.6		
QZH	31.3	9	eP	17 23 17.0	−0.8		
			eS	17 27 44.5	−1.6		
KMI	32.8	342	+iP	17 23 33.0	2.3		
			PMZ			1.5	0.30
GYA	33.1	349	+P	17 23 34.6	1.6		
			PcP	17 25 59.4	0.5		
			S	17 28 14.0	1.5		
			ScP	17 28 47.0	−0.7		
WHN	36.5	1	+iP	17 24 02.3	1.3		
SSE	37.7	11	+P	17 24 12.5	1.1		
			eS	17 29 24.0	1.0		
			SMN	m_B = 5.2		12.0	1.32
			SME			12.0	1.03
			csS	17 32 26.0	5.3		
			eScS	17 33 08.0	−7.3		
CD2	38.0	346	+iP	17 24 14.5	0.9		
			PMZ			0.9	0.13
			iS	17 29 25.0	−1.9		
			PcS	17 29 58.0	−2.5		
NJ2	38.3	7	+P	17 24 17.4	1.4		
			PcP	17 26 15.1	0.3		
			ScP	17 29 08.3	1.5		
			S	17 29 29.0	−1.5		
XAN	40.2	354	+iP	17 24 31.0	−0.2		
			S	17 29 56.0	−1.7		
LSA	41.6	330	+P	17 24 43.3	0.4		
			S	17 30 16.5	−1.4		
			SME	m_B = 5.3		5.0	0.73
TIA	42.2	4	+P	17 24 47.0	−0.6		
LZH	43.0	348	+P	17 24 54.0	0.6		
			eS	17 30 37.0	−1.5		
TIY	43.6	359	eP	17 24 58.0	−0.5		
			eS	17 30 46.0	−1.8		

DL2	45.4	9	eP	17 25 11.2	−1.1		
BJI	46.0	3	eP	17 25 16.0	−0.7		
			ePcP	17 26 40.5	−0.4		
			eScP	17 29 38.5	0.8		
			eS	17 31 19.0	−1.8		
			SMN	m_B = 5.2		8.0	0.56
			eSS	17 34 50.0	−4.9		
BTO	46.6	356	eP	17 25 21.0	−0.4		
			eS	17 31 28.0	−1.4		
GTA	47.0	345	+iP	17 25 25.7	0.9		
			PcP	17 26 45.2	0.6		
			ScP	17 29 34.4	−7.7		
			S	17 31 34.1	−0.1		
			ScS	17 34 12.7	−0.8		
SNY	48.6	10	−P	17 25 35.0	−1.3		
			eS	17 31 49.0	−7.5		
CN2	50.9	11	eP	17 25 51.0	−1.9		
WMQ	54.9	337	P	17 26 21.8	0.0		
			pP	17 28 15.0	3.1		
			ScP	17 30 14.0	−1.9		
			S	17 33 19.0	−0.4		
			SMN			2.0	0.030
KSH	57.1	326	eP	17 26 37.0	0.3		
			S	17 33 50.0	2.7		

1985 8 8

O = 21 43 09.8 ± 0.09s
LAT = 6.12 S ± 0.85km
LONG = 130.37 E ± 1.24km
DEPTH = 176 km ± 0.91km
STATIONS USED = 52, STAND DEV = 1.01s

SSE	38.0	347	+P	21 50 13.5	0.5		
			PMZ			1.0	0.030
NJ2	39.5	345	−P	21 50 26.0	0.7		
			LE			0.8	0.020
WHN	39.6	338	+P	21 50 26.6	1.0		
GYA	39.7	326	P	21 50 27.4	0.4		
KMI	41.1	320	+P	21 50 39.5	1.2		
CD2	44.8	327	P	21 51 08.0	0.1		
XAN	44.8	334	+iP	21 51 07.7	−0.5		
DL2	45.5	350	eP	21 51 13.6	−0.3		
TIY	46.7	340	P	21 51 23.2	0.0		
BJI	47.8	345	eP	21 51 31.0	−0.3		
SNY	48.1	353	+iP	21 51 33.9	−0.2		
LZH	48.8	331	+P	21 51 40.0	0.4		
CN2	49.9	355	+P	21 51 46.7	−1.0		
LSA	51.8	316	+P	21 52 02.4	−0.3		
GTA	53.4	331	+iP	21 52 14.8	0.8		
WMQ	62.9	327	+P	21 53 20.0	0.1		
KSH	67.6	317	eP	21 53 52.0	1.8		
			eS	22 02 32.0	0.2		

1985 8 8

O = 23 59 23.0 ± 0.08s
LAT = 5.55 S ± 1.19km
LONG = 153.12 E ± 1.41km
DEPTH = 19 km ± 0.36km
STATIONS USED = 22, STAND DEV = 1.54s

CN2	55.1	336	eP	24 08 56.4	−0.5		
XAN	57.4	317	eP	24 09 12.2	−1.0		
KMI	57.7	304	eP	24 09 16.5	1.1		
BTO	60.6	323	eP	24 09 35.5	0.0		
GTA	66.4	317	P	24 10 15.1	1.1		
WMQ	76.5	317	P	24 11 15.3	0.8		
KSH	83.6	311	eP	24 11 55.0	2.2		

1985 8 9

O = 06 09 15.1 ± 0.25s
LAT = 15.28 S ± 3.27km
LONG = 174.65 W ± 2.70km
DEPTH = 209 km ± 1.33km
STATIONS USED = 69, STAND DEV = 1.78s
m_B = 5.9 / 21

QZH	76.4	301	−P	06 20 43.5	0.0		
			pP	06 21 32.5	−0.2		
			S	06 30 09.0	0.2		
			SME	m_B = 5.7		8.0	1.09
			SS	06 35 12.0	0.7		
			LE			16.0	1.14
SSE	76.9	308	+P	06 20 47.0	0.4		
			PMZ	m_B = 5.5		12.0	1.17
			pP	06 21 36.0	0.1		
			S	06 30 15.0	0.1		
			ScS	06 30 39.0	−0.5		
			SS	06 35 16.0	−3.6		
			LN			30.0	2.19
MDJ	78.2	323	−iP	06 20 53.2	−0.5		
			pP	06 21 43.0	−0.1		
			S	06 30 30.0	1.6		
			SME	m_B = 6.0		8.0	2.18
			PS	06 31 38.0			
NJ2	79.1	308	+P	06 21 00.0	1.3		
			PMZ	m_B = 5.7		7.0	1.10
			pP	06 21 51.5	3.3		
			S	06 30 43.5	5.2		
GZH	80.1	297	+iP	06 21 05.3	1.6		
CN2	80.2	321	−P	06 21 03.0	−1.5		
			PMZ	m_B = 5.8		6.0	1.10
			pP	06 21 54.0	−0.2		
			eS	06 30 48.0	−3.3		

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			SME		$m_B = 5.9$	10.0	1.80
			SKS	06 30 54.0	−2.3		
			sS	06 32 22.0	4.0		
DL2	80.2	315	−P	06 21 05.0	0.4		
			PMZ		$m_B = 5.9$	4.0	1.03
			pP	06 21 55.0	0.7		
			S	06 30 54.0	4.2		
			SMN		$m_B = 6.1$	6.0	0.83
			SME			9.0	1.92
SNY	80.4	318	−P	06 21 04.0	−1.3		
			pP	06 21 50.5	−4.6		
			S	06 30 57.0	5.7		
			sS	06 32 24.0	4.4		
			SS	06 36 07.0	−4.1		
			LN			19.0	0.84
QZN	81.7	292	cP	06 21 13.7	1.3		
			PMZ		$m_B = 5.8$	7.0	1.40
			pP	06 22 05.5	3.2		
			PP	06 24 25.0	1.8		
			S	06 31 11.5	6.3		
			SME		$m_B = 5.6$	9.0	0.70
			SKS	06 31 10.0	3.0		
WHN	82.0	305	eP	06 21 14.0	0.1		
			PMZ		$m_B = 5.9$	5.0	1.22
			S	06 31 14.0	5.9		
			SME		$m_B = 5.7$	8.0	0.83
TIA	82.2	311	eP	06 21 14.7	−0.2		
			pP	06 22 05.5	0.7		
			S	06 31 14.0	4.1		
			SMN		$m_B = 5.5$	7.5	0.51
			PS	06 32 26.0			
BJI	84.5	314	eP	06 21 26.5	0.0		
			PMZ		$m_B = 6.1$	5.0	1.59
			epP	06 22 18.0	1.4		
			esP	06 22 41.0	2.5		
			eS	06 31 31.0	−3.5		
			SME		$m_B = 6.0$	9.0	1.62
TIY	86.3	311	P	06 21 35.8	0.6		
			PMZ		$m_B = 6.2$	5.0	2.02
			pP	06 22 26.5	1.1		
			S	06 31 42.5	−7.0		
			SMN			13.0	0.82
			SME			13.0	0.39
GYA	86.9	298	P	06 21 39.4	1.0		
			PMZ		$m_B = 6.2$	5.0	1.90
			pP	06 22 32.0	3.4		
			S	06 31 48.0	−7.8		
XAN	87.6	306	−iP	06 21 41.5	0.0		
			PMZ		$m_B = 5.9$	5.0	1.06
			pP	06 22 31.0	−0.8		
			SKS	06 31 49.0	3.0		
			S	06 32 08.0	5.9		
			SME			13.0	0.63
HHC	88.1	313	P	06 21 44.8	1.0		
BTO	89.1	313	−iP	06 21 50.0	1.5		
			PMZ		$m_B = 6.0$	6.0	1.30
			pP	06 22 42.5	3.6		
			SKS	06 31 55.0	−0.1		
			S	06 32 17.0	1.4		
			LN			8.0	1.00
			LE			8.0	1.80
KMI	89.9	296	−P	06 21 54.0	1.5		
			PMZ		$m_B = 6.0$	6.0	1.34
			pP	06 22 47.5	4.6		
			SKS	06 32 06.0	5.9		
			S	06 32 32.0	8.9		
CD2	90.7	302	cP	06 21 57.0	0.8		
			pP	06 22 51.0	4.3		
			cSKS	06 32 08.0	3.0		
			S	06 32 29.0	−1.6		
			SME		$m_B = 6.3$	7.0	1.58
LZH	92.2	307	cP	06 22 03.8	0.7		
			pP	06 22 56.0	2.4		
			SKS	06 32 16.0	2.7		
			cS	06 32 51.0	5.5		
			LN			30.0	0.98
GTA	96.2	309	P	06 22 21.6	0.4		
			S	06 33 16.0	−1.5		

1985 8 9

O = 09 32 05.8 ± 0.07s
LAT = 6.90 S ± 1.16km
LONG = 129.39 E ± 1.78km
DEPTH = 180 km ± 0.13km
STATIONS USED = 47, STAND DEV = 1.37s

QZN	32.2	324	cP	09 38 18.6	−0.5		
			S	09 43 19.0	2.0		
WHN	39.9	340	P	09 39 25.0	0.6		
			ScP	09 45 02.0	5.4		
NJ2	40.0	346	+P	09 39 26.0	0.9		
			ScP	09 45 01.4	4.4		
TIA	44.4	346	P	09 40 00.0	−0.7		
			ScP	09 45 18.2	3.7		
CD2	44.9	328	P	09 40 05.6	0.9		
XAN	45.1	336	+P	09 40 04.8	−1.5		
TIY	47.1	342	+iP	09 40 22.2	0.0		
			eS	09 47 02.0	1.8		
			LE			14.0	0.080
BJI	48.3	346	eP	09 40 30.0	−1.0		
SNY	48.8	354	eP	09 40 34.0	−0.9		

LZH	49.0	332	eP	09 40 37.0	−0.1		
			PMZ			2.0	0.080
			pP	09 41 16.5	0.1		
			ScP	09 45 38.5	4.7		
			S	09 47 26.0	0.3		
			SME			2.5	0.19
CN2	50.6	356	eP	09 40 48.1	−0.6		
GTA	53.6	332	+P	09 41 11.2	0.0		
WMQ	63.0	327	P	09 42 15.5	−0.8		
			PMZ			1.5	0.080
			S	09 50 33.0	3.4		
			SMN			2.5	0.080
			ScS	09 51 50.5	3.9		
KSH	67.5	318	eP	09 42 48.0	2.7		
			eS	09 51 20.0	−6.2		

1985 8 9
O=13 03 09.7 ± 0.16s
LAT=52.40 N ± 0.72km
LONG=173.67 E ± 1.09km
DEPTH= 42 km ± 1.75km
STATIONS USED = 74, STAND DEV= 1.10s
Ms=4.9/ 11, m_B=5.7/ 4

MDJ	29.8	273	eP	13 09 15.0	−0.5		
CN2	32.8	274	+P	13 09 40.0	−1.6		
			pP	13 09 51.5	−0.7		
			PP	13 10 55.0	3.8		
			eS	13 14 51.0	−3.5		
			LE	Ms=4.7		22.0	1.10
SNY	35.0	273	−iP	13 10 01.2	0.4		
DL2	38.0	270	+P	13 10 25.6	0.0		
BJI	40.6	276	eP	13 10 48.0	0.5		
			PMZ	m_B=5.6		4.0	0.43
			ePP	13 12 21.0	−3.6		
			eS	13 16 55.0	0.9		
			LN	Ms=4.8		12.0	0.20
			LE			14.0	0.52
TIA	42.4	271	+P	13 11 03.2	0.6		
			epP	13 11 16.5	3.0		
			PP	13 12 48.0	4.0		
			eS	13 17 18.5	−2.7		
			sS	13 17 40.0	0.4		
			LN	Ms=4.9		20.0	0.78
			LE			20.0	0.71
			LZ	Ms=4.8		20.0	0.79
HHC	42.9	280	−iP	13 11 07.8	1.2		
SSE	43.4	262	+iP	13 11 12.7	2.1		
			PMZ			1.2	0.15
			ePP	13 12 55.0	1.3		
			eS	13 17 37.0	1.4		
			sS	13 17 55.0	0.8		
			SS	13 20 50.0	6.5		
			LN	Ms=5.0		24.0	1.60
			LZ	Ms=5.0		24.0	1.47
BTO	44.0	281	+iP	13 11 16.0	0.6		
			PMZ			3.0	0.86
			sP	13 11 30.0	−0.9		
			ePP	13 13 00.0	0.7		
			eS	13 17 45.0	0.8		
			csS	13 18 00.6	−1.9		
			LN	Ms=5.0		13.0	0.40
			LE			15.0	0.70
			LZ	Ms=5.1		15.0	1.00
NJ2	44.2	265	+P	13 11 17.0	0.3		
			PMZ	m_B=5.7		4.0	0.50
			LE	Ms=4.7		15.0	0.40
			LZ	Ms=4.7		20.0	0.60
TIY	44.3	276	+iP	13 11 19.2	1.1		
			PMZ			1.1	0.14
			pP	13 11 30.0	1.0		
WHN	48.0	267	+P	13 11 47.0	0.1		
			PMZ			0.7	1.46
XAN	48.9	275	+P	13 11 54.0	0.0		
			PP	13 13 50.0	3.4		
QZH	49.5	258	−P	13 11 57.0	−1.3		
			PMZ	m_B=6.0		4.0	0.75
			eS	13 19 00.0	−1.6		
			SME	m_B=5.4		8.0	0.40
LZH	50.6	280	+iP	13 12 07.5	0.2		
			PMZ			1.5	0.26
			sS	13 19 35.0	−1.2		
GZH	54.0	261	P	13 12 33.2	0.6		
CD2	54.2	276	P	13 12 33.8	−0.2		
			PMZ			1.0	0.090
WMQ	54.8	298	+P	13 12 37.5	−0.9		
			PMZ			1.5	0.32
			PcP	13 13 36.5	−2.8		
			PP	13 14 42.5	0.9		
			eS	13 20 19.5	4.7		
			LN	Ms=5.4		26.0	2.46
GYA	55.6	270	P	13 12 44.0	−0.3		
KMI	59.0	272	+P	13 13 07.5	−0.8		
QZN	59.2	261	eP	13 13 11.2	1.6		
			eS	13 21 17.0	4.1		
LSA	62.7	284	−P	13 13 33.5	−0.1		
KSH	64.1	301	+P	13 13 43.0	0.4		
			eS	13 22 08.0	−7.1		

1985 8 9
O=15 23 54.2 ± 0.04s

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LAT=28.96 N ± 0.82km
LONG=139.49 E ± 0.93km
DEPTH=431 km ± 0.67km
STATIONS USED = 27, STAND DEV= 0.81s

SNY	18.2	319	eP	15 27 40.8	0.8
CN2	18.6	327	eP	15 27 45.4	1.7
QZH	19.0	263	eP	15 27 48.3	0.1
TIA	20.2	297	eP	15 27 58.4	−0.5
WHN	21.9	280	eP	15 28 16.0	0.8
XAN	26.5	289	P	15 28 56.5	−0.6
GYA	29.1	273	P	15 29 20.4	0.2
CD2	30.9	283	P	15 29 36.0	0.1
GTA	34.2	298	−iP	15 30 03.8	0.2
WMQ	43.6	304	+iP	15 31 20.3	0.2

1985 8 9
O=16 35 55.5 ± 0.07s
LAT= 0.47 N ± 1.11km
LONG=125.56 E ± 1.64km
DEPTH= 91 km ± 0.35km
STATIONS USED = 32, STAND DEV= 1.21s

GZH	25.4	333	P	16 41 18.5	2.0
GYA	31.6	326	P	16 42 12.4	0.2
KMI	33.0	320	eP	16 42 26.0	1.8
CD2	36.7	328	eP	16 42 54.8	−0.7
XAN	36.9	337	eP	16 42 54.0	−3.2
DL2	38.4	355	eP	16 43 11.7	1.6
BJI	40.3	349	eP	16 43 25.0	−0.7
LZH	40.8	333	eP	16 43 30.0	0.2
SNY	41.2	358	eP	16 43 33.7	0.5
CN2	43.1	360	eP	16 43 47.4	−1.6
GTA	45.3	332	P	16 44 06.5	−0.3
WMQ	54.8	327	P	16 45 18.5	−0.1

1985 8 9
O=16 39 19.5 ± 0.19s
LAT= 5.46 S ± 3.57km
LONG=104.83 E ± 3.98km
DEPTH= 33 km ± 1.32km
STATIONS USED = 19, STAND DEV= 2.64s

CD2	36.2	358	eP	16 46 21.6	0.2
XAN	39.5	5	P	16 46 49.4	0.4
TIA	43.0	15	+P	16 47 19.5	1.3
TIY	43.5	9	eP	16 47 24.0	1.6
GTA	44.9	354	P	16 47 33.4	0.1
BJI	46.5	12	eP	16 47 47.0	1.3
DL2	46.8	18	eP	16 47 50.6	2.2
WMQ	51.4	344	P	16 48 22.5	−1.7
CN2	52.4	19	+P	16 48 31.0	−0.7

1985 8 9
O=19 59 43.5 ± 0.11s
LAT=17.05 N ± 1.35km
LONG=120.21 E ± 1.74km
DEPTH= 21 km
STATIONS USED = 99, STAND DEV= 1.63s
Ms=6.3/26, m_B=6.4/21

QZH	8.0	349	+P	20 01 38.5	−3.2		
			pP	20 01 44.5	−3.1		
			sP	20 01 51.0	−0.2		
			iS	20 03 06.5	−5.9		
			SME			13.0	8.98
			sS	20 03 17.0	−5.2		
			LE	Ms=5.9		14.0	116
GZH	8.8	314	+P	20 01 49.4	−3.6		
			S	20 03 23.0	−9.6		
			LN	Ms=6.0		11.0	65.0
			LE			10.0	67.9
QZN	10.1	283	+iP	20 02 04.7	−5.5		
			pP	20 02 12.5	−3.8		
			S	20 03 54.4	−8.9		
			LN	Ms=5.9		12.0	54.4
			LE			13.0	27.8
SSE	14.0	3	+iP	20 03 03.0	−0.5		
			PMZ	m_B=6.3		6.0	3.58
			pP	20 03 10.0	0.8		
			S	20 05 40.0	0.9		
			sS	20 05 52.0	3.2		
			LN	Ms=6.1		14.0	22.2
			LE			14.0	64.5
WHN	14.5	339	+iP	20 03 09.0	−0.4		
			PMZ	m_B=6.6		8.0	8.80
			pP	20 03 15.0	−0.1		
			PP	20 03 19.0	−1.6		
			S	20 05 47.0	−2.7		
			SME	m_B=5.5		8.0	2.38
			iSS	20 06 04.0	−2.3		
			LN	Ms=6.3		16.0	59.8
			LE			14.0	97.3
NJ2	15.0	356	+iP	20 03 17.0	0.7		
			iS	20 06 02.0	−0.6		
			LE	Ms=6.3		15.0	94.8
			LZ	Ms=5.9		16.0	48.8
GYA	15.7	309	−P	20 03 26.0	0.7		
			S	20 06 14.8	−3.4		
			SMN	m_B=5.9		8.0	5.20
			SME			8.0	4.10
			LN	Ms=6.3		16.0	83.0
			LE			16.0	45.0
KMI	18.2	299	−P	20 03 58.0	1.2		

			sP	20 04 08.0	1.6		
			S	20 07 07.0	−8.3		
			LN	Ms = 6.1		10.0	31.4
TIA	19.3	352	+P	20 04 11.0	0.9		
			PMZ	m_B = 6.4		6.0	11.7
			S	20 07 40.0	−0.5		
			SMN	m_B = 6.4		9.0	10.7
			SME			14.0	16.3
			LN	Ms = 6.1		15.5	45.8
			LE			11.0	10.1
			LZ	Ms = 5.9		15.0	30.6
XAN	19.7	331	+iP	20 04 15.0	0.0		
			PMZ	m_B = 6.5		7.0	14.7
			S	20 07 51.0	0.5		
			SMN	m_B = 6.5		9.0	14.2
			SME			10.0	13.7
			SS	20 08 16.0	−1.6		
			LN	Ms = 6.6		12.0	65.4
			LE			12.0	86.9
CD2	20.4	316	P	20 04 22.8	0.8		
			iS	20 08 10.5	5.8		
			SME	m_B = 6.5		9.0	20.7
			LE	Ms = 6.5		11.0	82.3
TIY	21.7	343	+iP	20 04 36.9	1.3		
			PMZ			1.2	0.14
			pP	20 04 48.0	5.7		
			S	20 08 37.5	8.4		
			SMN	m_B = 6.4		11.0	16.0
			SME			14.0	11.5
			LN	Ms = 6.3		13.0	16.7
			LE			16.0	52.2
DL2	21.8	3	+iP	20 04 36.0	−0.6		
			PMZ	m_B = 5.9		6.0	3.52
			S	20 08 36.0	4.7		
			SMN	m_B = 6.8		10.0	21.5
			SME			7.0	18.7
			LN	Ms = 6.4		15.0	78.2
BJI	23.2	352	+iP	20 04 51.5	1.4		
			PMZ	m_B = 6.3		7.0	9.79
			S	20 09 03.0	6.9		
			SMN			14.0	39.8
			LE	Ms = 6.0		17.0	27.2
LZH	23.9	326	+iP	20 04 59.5	2.2		
			PMZ	m_B = 6.5		7.0	12.5
			pP	20 05 09.0	5.0		
			S	20 09 13.0	4.5		
			SME	m_B = 6.6		8.0	14.6
			sS	20 09 19.0	−1.6		
			LE	Ms = 6.7		14.0	126
SNY	24.9	6	+iP	20 05 07.1	0.6		
			S	20 09 16.0	−9.2		
			SMN			16.0	58.4
			LN	Ms = 6.4		15.0	19.9
			LE			15.0	57.2
HHC	24.9	344	+iP	20 05 08.5	1.8		
BTO	25.1	341	+iP	20 05 10.0	1.4		
			PMZ	m_B = 6.4		7.0	6.90
			PP	20 05 46.5	0.8		
			iS	20 09 31.0	1.4		
			SMN	m_B = 6.5		10.0	9.60
			SME			10.0	9.50
			SS	20 10 27.0	−1.1		
			LN	Ms = 6.3		13.0	20.1
			LE			13.0	32.8
			LZ	Ms = 5.9		13.0	16.3
CN2	27.0	8	+iP	20 05 26.0	−0.8		
			PMZ	m_B = 6.0		7.0	2.60
			eS	20 10 03.5	1.7		
			SS	20 11 16.0	0.7		
			LE	Ms = 6.5		13.0	51.7
GTA	28.5	326	+iP	20 05 42.0	1.8		
			PMZ	m_B = 6.0		10.0	3.19
			S	20 10 23.0	−1.5		
			LE	Ms = 6.5		14.0	50.9
MDJ	28.6	14	+iP	20 05 41.0	0.1		
			S	20 10 27.8	1.7		
			SS	20 11 48.8	−3.3		
			LE	Ms = 6.2		14.0	30.0
LSA	29.4	301	−P	20 05 48.8	0.2		
			S	20 10 38.0	−1.0		
			LN	Ms = 5.6		11.0	4.99
			LE			12.0	3.03
WMQ	38.3	321	P	20 07 06.2	1.3		
			PMZ	m_B = 6.6		4.0	4.55
			pP	20 07 14.5	2.5		
			PP	20 08 42.0	6.6		
			S	20 13 00.0	3.1		
			SMN	m_B = 6.5		7.0	6.35
			LE	Ms = 6.9		15.0	85.3
KSH	44.4	309	−P	20 07 57.0	2.2		
			cPP	20 09 42.0	2.8		
			iS	20 14 32.0	4.0		
			PS	20 14 48.0			
			LE	Ms = 6.9		14.0	67.2

1985 8 9

O = 20 35 12.3 ± 0.11s
LAT = 12.47 N ± 1.15km
LONG = 125.95 E ± 1.42km
DEPTH = 42 km ± 1.48km

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STATIONS USED = 31, STAND DEV= 1.73s
Ms=4.8/ 1,

SSE	19.0	347	eP	20 39 35.0	1.0		
WHN	20.9	331	eP	20 39 58.5	4.3		
GYA	22.8	310	P	20 40 15.4	2.0		
TIA	24.9	343	P	20 40 32.8	−0.7		
KMI	25.3	303	+P	20 40 37.5	0.6		
XAN	26.5	327	eP	20 40 46.6	−1.4		
CD2	27.5	315	eP	20 40 56.6	−0.8		
TIY	27.9	337	eP	20 41 02.4	1.5		
			LN	Ms=4.8		13.0	0.74
			LE			13.0	0.86
BJI	28.8	344	eP	20 41 10.0	1.2		
GTA	35.4	324	eP	20 42 05.0	−1.9		
WMQ	45.3	321	P	20 43 28.5	−0.1		

1985 8 9
O=21 49 46.9 ± 0.06s
LAT=38.25 N ± 1.42km
LONG= 12.82 E ± 1.22km
DEPTH= 10 km ± 0.58km
STATIONS USED = 19, STAND DEV= 1.41s

WMQ	55.0	59	P	21 59 20.5	−0.7		
GTA	65.1	59	P	22 00 30.2	−0.3		
CD2	72.3	64	eP	22 01 15.8	0.4		
XAN	74.1	59	P	22 01 25.4	−0.5		
KMI	74.9	70	eP	22 01 30.0	−0.5		
BJI	75.2	51	eP	22 01 32.0	−0.2		
GYA	76.9	67	P	22 01 46.4	4.1		
CN2	78.1	43	eP	22 01 48.4	−0.2		

1985 8 9
O=22 24 06.1 ± 0.15s
LAT=56.24 N ± 2.94km
LONG=162.69 E ± 1.66km
DEPTH= 29 km ± 0.45km
STATIONS USED = 44, STAND DEV= 2.11s
Ms=5.4/ 11,

MDJ	23.8	255	eP	22 29 17.0	−1.0		
			LN	Ms=5.1		16.0	3.19
CN2	26.6	258	eP	22 29 42.2	−2.2		
			eS	22 34 10.0	−5.6		
			LN	Ms=5.0		14.0	1.90
SNY	29.0	257	eP	22 30 05.4	−0.1		
BJI	34.3	262	eP	22 30 52.0	0.0		
			LN	Ms=5.4		13.0	3.06
			LE			14.0	1.29
HHC	36.3	267	P	22 31 13.6	4.3		
TIA	36.5	256	eP	22 31 07.4	−3.6		
			eS	22 36 53.5	2.6		
			LN	Ms=5.1		16.0	1.18
			LE			16.0	1.14
			LZ	Ms=5.2		16.0	2.27
BTO	37.3	268	eP	22 31 19.0	1.0		
			ePP	22 32 43.0	−2.2		
			eS	22 37 03.0	−0.5		
			LN	Ms=5.5		13.0	1.80
			LE			13.0	2.60
			LZ	Ms=5.6		13.0	3.60
TIY	38.0	262	eP	22 31 24.6	1.0		
			S	22 37 14.0	1.5		
XAN	42.6	262	eP	22 32 08.4	6.6		
			LN	Ms=5.6		12.0	2.25
			LE			12.0	1.50
GTA	43.8	275	+iP	22 32 13.0	1.2		
			LN	Ms=5.3		14.0	1.49
LZH	43.9	268	−P	22 32 14.5	1.8		
			LN	Ms=5.6		13.0	1.61
			LE			13.0	2.72
WMQ	47.4	288	P	22 32 40.3	0.1		
			sP	22 32 55.0	2.5		
			LN	Ms=5.5		28.0	4.82
CD2	47.8	264	eP	22 32 45.4	1.9		
GYA	49.7	257	P	22 33 00.6	2.7		
KMI	52.9	260	eP	22 33 16.5	−5.7		
KSH	56.6	292	eP	22 33 49.0	−0.7		

1985 8 10
O=02 04 55.5 ± 0.16s
LAT=11.03 N ± 1.61km
LONG=140.39 E ± 1.98km
DEPTH= 33 km ± 0.46km
STATIONS USED = 14, STAND DEV= 2.41s
Ms=4.6/ 2,

SSE	26.7	321	eP	02 10 35.0	0.6		
			eS	02 15 08.0	1.7		
			eSS	02 16 12.0	−6.4		
			LZ	Ms=4.4		20.0	0.70
CN2	35.1	341	eP	02 11 48.0	−0.4		
GYA	35.3	301	eP	02 11 55.6	5.6		
BJI	36.0	328	eP	02 11 56.0	0.3		
TIY	36.5	321	eP	02 12 01.5	1.1		
			LN	Ms=4.8		14.0	0.38
			LE			14.0	0.58
CD2	39.3	306	eP	02 12 22.0	−1.2		
GTA	45.7	315	eP	02 13 13.7	−2.5		
WMQ	55.8	316	P	02 14 30.0	−2.6		

1985 8 10
O=04 12 45.9 ± 0.12s

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LAT= 6.07 S ± 2.42km
LONG=105.33 E ± 3.23km
DEPTH= 96 km ± 1.33km
STATIONS USED = 77, STAND DEV= 2.31s
m_B=5.5/ 2

QZN	25.3	10	+P	04 18 09.5	3.8		
			sS	04 22 57.0	−2.0		
			LN			13.0	8.00
			LE			16.0	7.00
GZH	30.0	15	P	04 18 50.0	1.9		
			PP	04 19 52.0	2.8		
			eS	04 23 45.0	6.9		
			LN			13.0	2.68
			LE			12.0	4.39
KMI	31.1	355	eP	04 18 57.5	−0.5		
			pP	04 19 19.0	−0.1		
			eS	04 24 00.0	4.3		
			LN			10.0	9.80
GYA	32.4	2	P	04 19 12.0	3.2		
			PP	04 20 25.0	6.0		
			S	04 24 22.0	8.0		
			LN			15.0	8.70
			LE			15.0	9.80
			LZ			15.0	11.2
QZH	33.4	22	−P	04 19 17.0	−0.8		
			eS	04 24 34.5	3.2		
			SME	m_B=5.2		6.0	0.40
			LN			14.0	5.20
CD2	36.8	358	eP	04 19 45.2	−1.4		
			PP	04 21 15.0	2.0		
			S	04 25 27.0	4.6		
			ePcS	04 25 56.5	3.1		
			LE			12.0	6.00
			LZ			11.0	8.70
WHN	37.4	13	eP	04 19 53.0	1.3		
			PP	04 21 25.0	4.5		
			PcP	04 22 10.4	1.9		
			SS	04 28 10.0	0.7		
			LN			15.0	5,57
LSA	38.1	340	P	04 19 54.8	−2.9		
			S	04 25 43.5	1.6		
			LN			16.0	1.33
SSE	39.9	21	eP	04 20 11.0	−1.7		
			epP	04 20 36.0	1.2		
			esS	04 26 48.0	−1.2		
			ScS	04 30 08.0	0.9		
			LN			12.0	1.35
			LE			12.0	2.18
			LZ			16.0	4.65
XAN	40.0	5	eP	04 20 11.6	−1.9		
			S	04 26 06.5	−4.7		
			LN			12.0	6.49
			LE			16.0	9.38
NJ2	40.0	18	eP	04 20 19.0	5.5		
			LE			13.0	3.80
LZH	42.0	358	eP	04 20 29.0	−0.4		
			eS	04 26 46.0	5.0		
			LN			14.0	5.31
			LE			12.0	3.70
TIA	43.5	14	eP	04 20 42.0	0.2		
			ePP	04 22 28.9	3.4		
			eS	04 27 00.0	−3.1		
			LN			12.0	2.34
			LZ			12.0	3.03
TIY	44.1	8	eP	04 20 46.0	−0.4		
			S	04 27 16.0	5.8		
			LN			13.0	4.12
			LE			15.0	2.05
GTA	45.5	354	P	04 20 57.5	−0.8		
			eS	04 27 38.5	5.7		
			LE			15.0	4.02
BTO	46.6	5	P	04 21 07.0	0.0		
			ePP	04 22 54.0	−3.5		
			eS	04 27 50.0	1.5		
			LN			13.0	7.10
			LE			14.0	3.10
			LZ			14.0	6.70
BJI	47.0	11	eP	04 21 09.0	−0.4		
			eS	04 27 54.0	1.2		
			LN			19.0	2.11
			LE			20.0	2.73
			LZ			17.5	2.25
HHC	47.0	6	eP	04 21 10.0	−0.1		
DL2	47.2	17	eP	04 21 11.0	−0.5		
			eS	04 28 02.0	5.4		
			LN			14.0	3.15
			LE			12.0	1.03
SNY	50.5	18	−P	04 21 35.6	−1.1		
			LN			20.0	2.42
			LE			18.0	1.94
WMQ	52.2	344	P	04 21 47.5	−1.8		
			PcP	04 22 58.5	−0.6		
			S	04 29 08.0	4.2		
			SS	04 32 42.0	1.9		
			LN			12.0	2.15
KSH	52.8	332	eP	04 21 50.0	−4.2		
			iS	04 29 17.0	3.0		
			PS	04 29 30.0			
			LE			17.0	3.49
CN2	52.9	18	−P	04 21 52.5	−2.1		

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		PMZ		m_B=5.7	4.0	0.40
		eS	04 29 12.0	−2.7		
		LE			13.0	2.00
MDJ	55.0	21 eP	04 22 08.0	−2.0		

1985 8 10
O=12 56 12.5 ± 0.13s
LAT=33.80 N ± 1.75km
LONG= 74.62 E ± 2.05km
DEPTH= 34 km ± 0.33km
STATIONS USED = 26, STAND DEV= 2.41s
Ms=4.8/ 1,

KSH	5.7	11	−iP	12 57 42.0	4.1		
			eS	12 58 45.0	1.3		
			LN	Ms=4.8		4.0	4.23
WMQ	14.3	42	P	12 59 31.0	−3.5		
			LN			2.0	0.070
LSA	14.6	102	eP	12 59 38.2	−1.6		
GTA	21.0	67	P	13 00 55.0	−0.4		
LZH	24.0	76	eP	13 01 27.0	1.2		
CD2	24.7	89	P	13 01 33.6	1.0		
XAN	28.4	80	eP	13 02 04.6	−1.7		
GYA	28.6	96	P	13 02 07.4	−0.7		
WHN	33.6	84	eP	13 02 52.5	0.0		
CN2	40.3	60	eP	13 03 49.0	0.4		

1985 8 10
O=13 09 48.7 ± 0.08s
LAT= 5.60 S ± 0.86km
LONG=151.38 E ± 0.91km
DEPTH= 32 km ± 0.20km
STATIONS USED = 9, STAND DEV= 1.80s

GYA	53.8	309	P	13 19 13.2	2.2
XAN	56.2	318	eP	13 19 28.0	−0.9
CD2	58.2	312	eP	13 19 43.1	0.4

1985 8 10
O=15 12 57.4 ± 0.06s
LAT=27.75 N ± 0.44km
LONG=100.56 E ± 0.68km
DEPTH= 18 km ± 0.23km
STATIONS USED = 5, STAND DEV= 2.43s
M_L=2.6/ 2,

KMI	3.3	143	ePn	15 13 48.0	−0.5
CD2	4.2	41	ePg	15 14 12.6	0.8

1985 8 10
O=16 36 08.8 ± 0.09s
LAT= 4.18 S ± 1.43km
LONG=152.96 E ± 1.96km
DEPTH= 35 km ± 0.60km
STATIONS USED = 93, STAND DEV= 1.50s
Ms=5.3/20, m_B=5.6/ 7

QZH	44.2	313	+P	16 44 16.5	−0.1		
			pP	16 44 28.5	2.1		
			S	16 50 47.0	0.8		
			SMN	m_B=5.4		8.0	0.51
			SS	16 53 57.5	0.3		
			ScS	16 54 08.0	−1.0		
			LE	Ms=5.2		18.0	1.58
SSE	46.4	321	+P	16 44 34.2	0.4		
			PMZ			1.5	0.19
			pP	16 44 42.5	−1.1		
			cPcP	16 46 08.0	−0.3		
			cPP	16 46 22.0	−0.2		
			sS	16 51 35.0	0.5		
			cScS	16 54 25.0	2.2		
			LN	Ms=5.4		20.0	2.10
			LE			18.0	1.14
			LZ	Ms=5.3		20.0	2.04
GZH	47.2	307	−P	16 44 42.2	1.6		
			S	16 51 35.6	6.2		
			SMN	m_B=6.0		5.0	0.97
QZN	48.3	300	eP	16 44 51.6	2.5		
			eS	16 51 49.0	3.2		
			LN	Ms=5.2		18.0	1.60
NJ2	48.5	320	+P	16 44 49.6	−0.8		
			PMZ	m_B=5.7		6.0	0.60
			sP	16 45 03.0	−1.2		
			S	16 51 51.5	4.4		
			LN	Ms=5.5		18.0	1.40
			LE			20.0	2.70
			LZ	Ms=5.1		20.0	1.20
WHN	50.5	316	+P	16 45 06.8	0.6		
			LN	Ms=5.0		16.0	0.69
DL2	51.7	329	+P	16 45 15.0	−0.2		
			pP	16 45 23.0	−2.1		
			sP	16 45 26.0	−3.2		
			cS	16 52 36.0	2.7		
			sS	16 52 52.0	2.3		
			LN	Ms=5.5		17.0	1.50
			LE			17.0	1.82
TIA	52.3	323	+P	16 45 19.1	−0.6		
			cPP	16 47 18.0	−0.4		
			cScP	16 50 25.0	2.3		
			cS	16 52 40.5	−1.0		
			SMN			20.0	0.90
			SME			20.0	1.18
			cScS	16 55 07.0	4.3		
			LN	Ms=5.1		15.0	0.80

MDJ	52.9	339	+iP	16 45 23.8	−0.3		
			PMZ			3.0	0.60
			pP	16 45 34.0	0.1		
			S	16 52 49.5	1.2		
			sS	16 53 03.0	−2.9		
SNY	53.0	333	+P	16 45 24.0	−1.0		
			pP	16 45 33.0	−1.9		
			PP	16 47 23.0	−2.6		
			S	16 52 52.0	2.0		
			SMN			20.0	1.21
			SME			20.0	1.26
			LN	Ms=5.4		18.0	1.30
			LE			19.0	1.43
CN2	53.8	336	+iP	16 45 29.8	−1.0		
			PMZ	m_B=5.8		5.0	0.60
			ScP	16 50 30.5	1.5		
			eS	16 53 01.0	−0.7		
			sS	16 53 18.0	−0.1		
			eSS	16 56 40.0	−0.7		
			LE	Ms=5.1		13.0	0.70
GYA	54.1	307	−P	16 45 34.0	0.5		
			pP	16 45 41.0	−2.2		
			S	16 53 08.0	2.8		
			PS	16 53 27.0			
BJI	55.5	326	eP	16 45 41.5	−1.4		
			epP	16 45 51.0	−1.8		
			SMN	m_B=5.4		7.0	0.34
			SMZ			8.0	0.31
			LN	Ms=5.4		19.0	1.51
			LE			19.0	1.11
			LZ	Ms=5.2		28.0	1.90
TIY	56.1	322	+P	16 45 47.0	−0.9		
			PMZ			1.2	0.080
			S	16 53 34.0	2.1		
			LN	Ms=5.4		16.0	1.21
			LE			14.0	0.73
XAN	56.3	316	+P	16 45 47.5	−1.4		
			pP	16 45 56.0	−2.7		
			ePP	16 47 55.0	0.0		
			S	16 53 34.0	0.2		
			SMN	m_B=5.4		9.0	0.49
			sS	16 53 50.0	−1.4		
			SS	16 57 23.0	2.1		
KMI	56.8	304	−P	16 45 53.0	0.4		
CD2	58.5	310	eP	16 46 04.0	−0.2		
			S	16 54 04.0	1.7		
			PS	16 54 25.0			
			LZ	Ms=5.3		18.0	1.25
HHC	58.6	324	eP	16 46 04.8	−0.8		
BTO	59.4	323	+iP	16 46 10.0	−0.9		
			PMZ			2.0	0.73
			epP	16 46 21.0	0.4		
			ePP	16 48 24.0	1.0		
			S	16 54 17.0	2.4		
			LN	Ms=5.4		20.0	1.30
			LE			21.0	1.30
			LZ	Ms=5.5		21.0	2.40
LZH	60.9	316	+iP	16 46 21.0	−0.2		
			PMZ			2.0	0.25
			eS	16 54 35.0	−0.4		
			LE	Ms=5.2		34.0	1.85
GTA	65.3	317	+iP	16 46 50.6	0.3		
			S	16 55 32.0	3.0		
			SMN	m_B=5.6		7.0	0.46
			LN	Ms=5.4		32.0	2.23
LSA	68.0	304	eP	16 47 07.5	−0.3		
			eS	16 56 06.0	2.1		
			LN	Ms=5.4		20.0	1.32
WMQ	75.4	317	+iP	16 47 50.5	−1.0		
			PMZ			2.0	0.21
			PcP	16 48 04.2	0.3		
			PP	16 50 38.2	−3.5		
			S	16 57 27.3	0.8		
			SMN			2.5	0.080
			sS	16 57 41.5	−3.1		
KSH	82.6	310	eP	16 48 32.0	1.0		
			SKS	16 58 47.0	3.1		
			eS	16 58 49.0	4.0		
			sS	16 59 07.0	5.5		
			PS	16 59 46.0			

1985 8 10

O=17 02 12.8 ± 0.10s
LAT= 8.54 N ± 1.52km
LONG=147.98 E ± 3.84km
DEPTH= 27 km ± 1.09km
STATIONS USED = 18, STAND DEV= 2.41s
Ms=4.9/ 1,

WHN	38.3	310	eP	17 09 32.0	−1.0		
DL2	38.4	326	eP	17 09 33.4	−0.6		
TIA	39.3	319	eP	17 09 43.4	1.5		
CN2	40.2	335	eP	17 09 47.0	−2.5		
			pP	17 09 56.8	−0.9		
GYA	43.0	300	eP	17 10 15.0	2.7		
TIY	43.3	318	eP	17 10 14.2	−0.2		
			LE	Ms=4.9		15.0	0.65
XAN	44.0	311	eP	17 10 24.6	4.7		
CD2	46.8	305	eP	17 10 41.2	−1.3		
GTA	52.8	314	P	17 11 28.4	−0.4		
WMQ	62.8	315	P	17 12 38.0	−1.2		

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1985 8 10
O=17 17 16.1 ± 0.10s
LAT=39.75 N ± 1.19km
LONG=118.91 E ± 1.10km
DEPTH= 10 km ± 0.11km
STATIONS USED = 22, STAND DEV= 2.65s
M_L=4.0/21,

BJI	2.1	279	Pn	17 17 50.0	−2.0		
			Pg	17 17 52.5	−1.1		
			Sn	17 18 15.5	−4.8		
			Sg	17 18 16.5	−6.2		
			SMN	M_L=4.5		0.5	3.57
			SME			0.5	3.35
			LN			8.0	2.78
			LE			7.0	1.56
DL2	2.3	111	Pg	17 17 55.0	−1.3		
			Sg	17 18 22.0	−5.4		
			SMN	M_L=3.5		0.4	0.42
			SME			0.4	0.25
TIA	3.8	202	Pn	17 18 13.5	−1.7		
			Pg	17 18 28.2	4.9		
			Sn	17 18 57.5	−4.5		
			Sg	17 19 11.4	−4.0		
			SMN	M_L=3.9		0.8	0.29
			SME			0.8	0.32
			SMZ	M_L=3.9		0.6	0.21
SNY	4.1	58	Pn	17 18 20.5	1.2		
			Pg	17 18 36.2	7.6		
			Sn	17 19 06.7	−2.7		
			Sg	17 19 29.8	5.0		
			SMN	M_L=3.8		1.0	0.25
			SME			1.0	0.13
TIY	5.5	250	Pn	17 18 43.6	5.7		
			Sn	17 19 37.6	−5.2		
			Sg	17 19 58.9	−8.2		
			SMN	M_L=4.1		0.8	0.13
			SME			0.8	0.20
HHC	5.7	283	ePg	17 18 58.2	0.8		
			Sg	17 20 13.6	−1.8		
			SMN	M_L=4.3		0.8	0.21
			SME			1.0	0.31
CN2	6.3	48	ePn	17 18 50.0	−0.1		
			ePg	17 19 15.0	6.9		
			eSn	17 20 01.0	−3.9		
			eSg	17 20 33.0	−1.9		
			SMN	M_L=4.0		1.0	0.10
			SME			1.0	0.10
BTO	6.9	280	ePg	17 19 18.0	0.5		
			Sg	17 20 49.0	−2.1		
			SMN	M_L=4.4		1.0	0.23
			SME			1.0	0.14
			SMZ	M_L=4.5		1.0	0.17
GYA	16.7	221	eP	17 21 15.6	2.9		
WMQ	23.6	290	eP	17 22 25.2	−2.8		

1985 8 10
O=17 30 30.9 ± 0.08s
LAT=39.68 N ± 0.95km
LONG=118.95 E ± 0.84km
DEPTH= 9 km ± 0.09km
STATIONS USED = 25, STAND DEV= 1.93s
M_L=4.0/16,

BJI	2.2	280	ePn	17 31 05.5	−2.0		
			ePg	17 31 09.5	0.3		
			Sn	17 31 31.0	−5.4		
			Sg	17 31 35.0	−3.8		
			SMN	M_L=4.6		0.5	4.76
			SME			0.5	4.69
			LN			7.0	2.79
			LE			7.0	2.81
DL2	2.2	110	ePg	17 31 09.0	−1.1		
			Sg	17 31 37.5	−2.8		
			SMN	M_L=3.7		0.4	0.46
			SME			0.4	0.58
TIA	3.8	203	ePn	17 31 29.8	0.5		
			Pg	17 31 43.8	6.7		
			Sn	17 32 11.8	−3.8		
			Sg	17 32 27.6	−0.9		
			SMN	M_L=4.0		1.0	0.46
			SME			1.0	0.33
			SMZ	M_L=4.1		0.8	0.35
SNY	4.1	57	Pn	17 31 36.0	1.7		
			Sg	17 32 46.0	6.2		
			SMN	M_L=3.9		1.0	0.29
			SME			1.0	0.16
TIY	5.5	251	ePn	17 31 58.7	5.8		
			Pg	17 32 11.2	3.9		
			SMN	M_L=4.1		0.8	0.17
			SME			0.8	0.21
HHC	5.8	284	ePg	17 32 14.0	1.0		
			Sg	17 33 29.2	−2.5		
CN2	6.4	48	ePn	17 32 06.0	0.7		
			eSn	17 33 20.0	−0.4		
			eSg	17 33 52.4	2.1		
			SMN	M_L=4.2		1.0	0.16
			SME			1.0	0.14
BTO	6.9	280	ePg	17 32 34.5	1.4		
			Sg	17 34 04.5	−2.8		
			SMN	M_L=5.0		1.5	0.80

			SME			1.5	0.58
SSE	8.8	167	eP	17 32 40.5	−0.3		
GTA	14.8	275	eP	17 34 01.6	−0.7		
			LG_2	17 38 43.0	4.7		
			SMN			1.4	0.030
GYA	16.7	222	eP	17 34 29.2	2.0		
WMQ	23.6	290	eP	17 35 43.5	0.1		

1985 8 10
O = 18 25 48.0 ± 0.13s
LAT = 39.70 N ± 1.34km
LONG = 118.74 E ± 1.16km
DEPTH = 10 km
STATIONS USED = 15, STAND DEV = 2.50s
M_L = 3.4 / 14,

BJI	2.0	281	ePn	18 26 20.5	−1.8		
			ePg	18 26 24.0	0.6		
			Sn	18 26 46.0	−3.4		
			Sg	18 26 50.0	−0.9		
			SMN	M_L = 3.8		0.5	0.85
			SME			0.5	0.61
DL2	2.4	109	Pn	18 26 25.0	−2.4		
			Sn	18 26 50.3	−8.2		
			SMN	M_L = 3.2		0.4	0.15
			SME			0.4	0.15
TIA	3.7	201	ePn	18 26 44.2	−1.6		
			ePg	18 26 58.0	4.5		
			eSn	18 27 25.9	−5.7		
			Sg	18 27 42.4	−1.9		
			SMN	M_L = 3.1		0.5	0.040
			SME			0.7	0.060
			SMZ	M_L = 3.3		0.8	0.050
SNY	4.2	58	ePg	18 27 06.0	3.1		
			Sg	18 28 00.6	−0.2		
			SMN	M_L = 3.3		1.0	0.070
			SME			1.0	0.050
TIY	5.3	250	Pg	18 27 23.8	1.7		
			Sg	18 28 29.1	−5.5		
			SMN	M_L = 3.2		0.8	0.020
			SME			1.0	0.030
CN2	6.5	49	ePg	18 27 44.2	1.9		
			eSg	18 29 02.6	−8.1		
			SMN	M_L = 3.5		1.0	0.030
			SME			1.0	0.030
BTO	6.7	280	ePg	18 27 48.0	0.7		
			Sg	18 29 18.4	−0.9		
			SMN	M_L = 3.6		1.0	0.040
			SME			1.0	0.020
GYA	16.6	221	eP	18 29 46.2	3.1		

1985 8 10
O = 18 29 15.1 ± 0.11s
LAT = 39.80 N ± 1.23km
LONG = 118.90 E ± 1.11km
DEPTH = 11 km ± 0.26km
STATIONS USED = 20, STAND DEV = 2.40s
M_L = 3.8 / 21,

BJI	2.1	277	Pn	18 29 49.0	−1.8		
			Pg	18 29 52.5	0.1		
			Sg	18 30 18.0	−3.2		
			SMN	M_L = 4.4		0.5	2.68
			SME			0.5	3.68
			LN			7.0	1.40
			LE			7.0	1.25
DL2	2.3	112	ePg	18 29 54.5	−1.3		
			Sg	18 30 21.5	−5.7		
			SMN	M_L = 3.2		0.4	0.050
			SME			0.4	0.28
TIA	3.8	202	ePn	18 30 12.7	−2.0		
			Pg	18 30 28.4	5.4		
			Sn	18 30 55.2	−6.7		
			Sg	18 31 11.7	−3.9		
			SMN	M_L = 3.6		0.5	0.14
			SME			0.5	0.17
			SMZ	M_L = 3.9		0.6	0.20
SNY	4.1	59	ePn	18 30 17.8	−0.3		
			Pg	18 30 35.4	8.0		
			Sn	18 31 06.4	−1.6		
			Sg	18 31 30.4	7.1		
			SMN	M_L = 3.6		1.0	0.16
			SME			1.0	0.080
TIY	5.5	250	Pn	18 30 39.4	2.4		
			Pg	18 30 53.2	1.6		
			SMN	M_L = 4.0		0.8	0.10
			SME			1.0	0.16
HHC	5.7	283	ePg	18 30 58.0	2.0		
			Sg	18 32 13.0	−0.7		
			SMN	M_L = 3.9		0.8	0.10
			SME			1.0	0.11
CN2	6.3	49	ePn	18 30 48.0	−0.7		
			ePg	18 31 13.0	6.3		
			eSn	18 31 59.0	−4.2		
			eSg	18 32 31.5	−1.7		
			SMN	M_L = 3.9		1.0	0.070
			SME			1.0	0.080
BTO	6.8	280	ePg	18 31 15.6	−0.6		
			Sg	18 32 54.5	5.0		
			SMN	M_L = 4.4		1.2	0.23
			SME			1.2	0.13
			SMZ	M_L = 4.5		1.2	0.16

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GTA	14.7	275	eP	18 32 46.0	0.3		
GYA	16.8	221	eP	18 33 15.8	3.8		

1985 8 10
O=20 09 42.8 ± 0.16s
LAT= 7.37 S ± 1.10km
LONG=156.26 E ± 0.57km
DEPTH= 60 km ± 1.48km
STATIONS USED = 30, STAND DEV= 1.38s
Ms=5.1/ 1,

NJ2	53.0	320	−P	20 18 57.0	0.8		
			LE	Ms=5.1		14.0	0.70
DL2	56.1	328	−P	20 19 19.0	−0.1		
TIA	56.8	322	eP	20 19 23.4	−0.5		
CN2	58.1	334	eP	20 19 33.0	0.3		
GYA	58.7	307	P	20 19 37.2	0.1		
BJI	59.9	325	P	20 19 43.0	−2.6		
TIY	60.7	321	eP	20 19 50.0	−0.7		
XAN	60.8	316	eP	20 19 51.0	−0.9		
CD2	63.0	310	eP	20 20 06.4	0.0		
GTA	69.9	317	eP	20 20 51.0	1.0		
WMQ	79.9	317	P	20 21 49.0	1.1		
			eS	20 31 41.5	−4.1		
KSH	87.2	310	eP	20 22 24.0	−0.6		

1985 8 10
O=23 20 02.5 ± 0.08s
LAT=11.07 N ± 1.23km
LONG=140.29 E ± 1.40km
DEPTH= 32 km ± 0.03km
STATIONS USED = 37, STAND DEV= 1.37s
Ms=4.6/ 3,

SSE	26.7	321	eP	23 25 38.3	−2.3		
			LZ	Ms=4.4		16.0	0.57
WHN	30.9	313	eP	23 26 20.0	1.3		
DL2	32.3	332	+P	23 26 34.2	2.9		
TIA	32.6	324	eP	23 26 32.4	−1.6		
SNY	34.0	337	eP	23 26 47.4	2.0		
CN2	35.1	341	+P	23 26 53.3	−1.5		
			eS	23 32 21.0	−3.5		
			LN	Ms=4.6		13.0	0.50
GYA	35.2	301	P	23 26 57.3	1.2		
BJI	35.9	328	eP	23 27 01.0	−1.0		
TIY	36.4	321	eP	23 27 06.8	0.2		
			S	23 32 49.0	4.1		
			LN	Ms=4.8		12.0	0.44
			LE			14.0	0.55
KMI	38.2	297	eP	23 27 23.0	1.6		
CD2	39.2	306	P	23 27 30.0	0.7		
LZH	41.3	313	eP	23 27 47.0	−0.1		
GTA	45.6	315	P	23 28 21.8	−0.6		
WMQ	55.7	316	P	23 29 38.2	−0.7		

1985 8 11
O=00 19 01.1 ± 0.09s
LAT=11.20 N ± 1.34km
LONG=140.33 E ± 1.54km
DEPTH= 23 km ± 0.05km
STATIONS USED =103, STAND DEV= 1.32s
Ms=6.1/28, m_B=6.1/18

QZH	24.7	306	+iP	00 24 22.0	−0.3		
			pP	00 24 29.5	−0.1		
			iS	00 28 42.0	1.6		
			SME	m_B=6.3		7.0	5.97
			sS	00 28 52.0	−0.5		
			SS	00 29 40.0	3.5		
			ScP	00 31 35.0	−0.5		
			LN	Ms=5.7		12.0	6.36
			LE			12.0	6.26
SSE	26.6	321	+P	00 24 39.5	−0.2		
			PMZ			1.5	0.21
			pP	00 24 47.0	−0.1		
			sP	00 24 51.0	0.4		
			eS	00 29 12.0	0.9		
			sS	00 29 24.0	0.5		
			LN	Ms=6.1		13.0	18.4
			LE			13.0	11.8
			LZ	Ms=5.9		15.0	16.7
GZH	28.3	298	+iP	00 24 56.7	1.3		
			PMZ	m_B=6.1		6.0	2.54
			S	00 29 31.0	−7.3		
			SMN	m_B=6.0		10.0	1.74
			SME			10.0	3.32
			LN	Ms=5.7		12.0	5.99
			LE			12.0	5.18
NJ2	28.7	320	+P	00 24 59.0	0.2		
			S	00 29 44.0	−0.4		
			LN	Ms=6.1		13.0	11.4
			LE			13.0	14.2
			LZ	Ms=5.9		18.0	18.5
QZN	30.4	289	+iP	00 25 14.0	−0.2		
			PMZ	m_B=6.0		6.0	1.60
			pP	00 25 22.5	0.8		
			sP	00 25 26.0	0.8		
			PP	00 26 11.0	−2.3		
			S	00 30 11.0	−0.7		
			sS	00 30 20.0	−5.1		
			LN	Ms=5.8		13.0	5.70
			LE			16.0	7.20
WHN	30.8	313	−P	00 25 19.1	1.0		

			PMZ		$m_B=6.3$	4.0	2.11
			pP	00 25 26.0	0.4		
			iPP	00 26 28.0	9.0		
			iPcP	00 28 18.0	3.7		
			ScP	00 31 50.0	−4.2		
			iS	00 30 18.0	−1.4		
			SME		$m_B=5.9$	7.0	1.66
			sS	00 30 33.0	0.9		
			LN		Ms=5.9	14.0	12.4
DL2	32.2	332	+P	00 25 30.0	−0.3		
			eS	00 30 41.0	−0.2		
			LN		Ms=6.3	16.0	24.1
			LE			16.0	25.2
TIA	32.6	324	eP	00 25 32.4	−0.8		
			PMZ		$m_B=6.0$	5.0	1.23
			sP	00 25 46.0	2.0		
			PP	00 26 44.0	2.6		
			PPMZ			6.0	1.21
			eS	00 30 50.0	3.7		
			SMN			14.0	2.11
			SME			15.0	1.44
			LN		Ms=6.1	15.0	15.7
			LE			14.0	4.66
			LZ		Ms=6.0	16.0	14.2
SNY	33.9	337	+P	00 25 44.0	−0.4		
			PMZ		$m_B=6.1$	4.0	1.37
			pP	00 25 51.0	−1.0		
			S	00 31 06.5	0.9		
			LN		Ms=6.4	16.0	24.9
			LE			16.0	32.7
MDJ	34.6	346	−P	00 25 51.0	0.6		
			sP	00 26 03.0	1.7		
			S	00 31 13.0	−3.4		
			SMN			13.0	3.38
			sS	00 31 24.0	−5.9		
CN2	34.9	341	+P	00 25 52.5	−1.2		
			PMZ		$m_B=6.0$	4.0	0.90
			pP	00 26 00.0	−1.3		
			PP	00 27 13.0	1.7		
			eS	00 31 14.0	−9.3		
			SMN		$m_B=5.8$	10.0	1.70
			LE		Ms=6.0	13.0	12.3
GYA	35.2	300	+P	00 25 57.0	1.3		
			PMZ		$m_B=6.2$	5.0	2.10
			pP	00 26 04.0	0.9		
			S	00 31 28.0	2.3		
			LN		Ms=5.9	15.0	8.10
			LE			15.0	6.30
			LZ		Ms=5.9	15.0	11.2
BJI	35.8	328	+P	00 26 01.0	−0.1		
			PMZ		$m_B=6.1$	4.0	1.35
			cPP	00 27 19.0	−2.8		
			cS	00 31 36.0	−0.6		
			SMN		$m_B=6.1$	12.0	3.03
			SME			13.0	3.09
			LN		Ms=6.2	15.0	15.8
			LE			16.0	10.1
TIY	36.4	321	+iP	00 26 06.0	0.1		
			PMZ		$m_B=6.3$	6.0	3.48
			pP	00 26 14.0	0.7		
XAN	36.6	313	+iP	00 26 07.3	−0.5		
			pP	00 26 15.5	0.2		
KMI	38.2	296	+iP	00 26 23.0	1.9		
			pP	00 26 30.0	1.4		
			sP	00 26 35.0	3.1		
			PP	00 27 54.5	3.4		
			S	00 32 18.0	6.2		
			LN		Ms=6.1	16.0	13.7
HHC	38.9	324	+P	00 26 27.8	0.6		
			pP	00 26 35.0	0.3		
			PP	00 28 04.0	4.0		
			S	00 32 19.7	−3.3		
			LN		Ms=6.2	16.0	15.0
			LE			15.0	10.9
			LZ		Ms=6.2	15.0	16.3
CD2	39.1	306	+iP	00 26 30.0	1.1		
			PMZ		$m_B=6.4$	4.0	2.60
			S	00 32 28.0	1.8		
			SMN		$m_B=6.4$	6.0	3.11
			SME			7.0	3.10
			SS	00 35 08.0	−3.0		
			LN		Ms=6.3	14.0	22.4
			LZ		Ms=6.1	15.0	14.9
BTO	39.6	323	P	00 26 33.6	0.3		
			PMZ		$m_B=6.0$	5.0	1.20
			pP	00 26 41.0	0.2		
			S	00 32 35.0	0.9		
			sS	00 32 45.0	−2.7		
			SS	00 35 22.5	−0.1		
			LN		Ms=6.1	14.0	6.00
			LE			14.0	10.5
			LZ		Ms=5.9	14.0	7.40
LZH	41.2	313	+iP	00 26 47.0	0.5		
			pP	00 26 55.0	1.1		
			PP	00 28 30.0	5.6		
			S	00 33 00.0	2.3		
			SME			15.0	7.50
			ScS	00 36 46.0	−0.2		
			LN		Ms=6.4	17.0	4.90
			LE			17.0	29.1

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GTA	45.6	315	+iP	00 27 22.6	0.8		
			S	00 33 56.0	−5.2		
			LN	Ms=5.9		14.5	6.92
LSA	49.2	300	P	00 27 51.5	0.9		
			PP	00 29 51.0	7.8		
			S	00 34 54.5	1.8		
			LN	Ms=5.7		13.0	2.95
WMQ	55.6	316	+iP	00 28 38.0	−0.4		
			pP	00 28 45.0	−1.0		
			PcP	00 29 38.5	1.8		
			S	00 36 23.0	2.5		
			SME	m_B=6.1		9.0	2.40
			PS	00 36 38.0			
			ScS	00 38 24.0	2.4		
			LN	Ms=6.2		15.0	10.2
KSH	63.2	309	+P	00 29 31.0	0.5		
			pP	00 29 39.0	0.9		
			PP	00 31 58.0	8.0		
			eS	00 38 04.0	4.6		
			ScS	00 39 19.0	1.9		
			LE	Ms=6.8		15.0	27.6

1985 8 11

O=02 23 17.7 ± 0.09s
LAT=28.90 N ± 1.01km
LONG=130.57 E ± 0.42km
DEPTH= 71 km ± 0.98km
STATIONS USED = 10, STAND DEV= 1.36s

CN2	15.4	346	+P	02 26 52.7	0.0		
BJI	16.2	317	P	02 27 02.5	−0.5		
XAN	19.2	291	eP	02 27 37.3	−1.0		
GYA	21.3	269	P	02 28 01.8	1.0		
CD2	23.3	282	eP	02 28 19.5	−1.0		
GTA	27.4	301	P	02 29 01.8	2.6		

1985 8 11

O=09 59 43.1 ± 0.08s
LAT=54.21 N ± 1.57km
LONG=168.69 E ± 0.83km
DEPTH= 52 km ± 0.36km
STATIONS USED =103, STAND DEV= 1.00s
Ms=6.1/29, m_B=6.3/30

MDJ	26.9	265	−P	10 05 21.0	−0.3		
			pP	10 05 32.0	−1.5		
			PP	10 06 04.0	−2.9		
			S	10 09 48.0	−3.3		
			SMN	m_B=6.4		7.0	7.78
CN2	29.8	267	−iP	10 05 46.2	−1.2		
			PMZ	m_B=6.0		4.0	1.20
			pP'	10 05 58.0	−1.9		
			sP	10 06 04.0	−1.5		
			PP	10 06 41.0	−3.6		
			S	10 10 37.0	−0.8		
			SMN	m_B=6.6		6.0	7.00
			SME			5.0	4.20
			SS	10 12 12.0	−3.3		
			LN	Ms=6.1		18.0	26.6
SNY	32.1	266	−iP	10 06 07.2	−0.4		
			PMZ	m_B=5.9		5.5	1.19
			S	10 11 13.0	−0.7		
			SMN	m_B=6.3		6.0	3.41
			SME			6.5	1.98
			sS	10 11 34.0	−2.2		
			LN	Ms=6.3		21.0	28.5
			LE			21.0	30.6
DL2	35.1	264	−P	10 06 33.0	−0.6		
			pP	10 06 44.0	−2.3		
			sP	10 06 51.0	−0.7		
			S	10 11 59.0	−1.5		
			SMN	m_B=6.2		8.0	1.95
			SME			10.0	4.00
			LN	Ms=6.0		12.0	8.67
			LE			10.0	4.00
BJI	37.5	270	eP	10 06 54.0	−0.4		
			PMZ	m_B=5.7		5.0	0.59
			epP	10 07 07.0	−0.1		
			ePP	10 08 24.0	1.4		
			eS	10 12 38.0	−1.1		
			SMN	m_B=6.2		8.0	3.84
			eSS	10 15 20.0	6.1		
			eScS	10 17 04.0	4.3		
			LN	Ms=6.2		17.0	18.3
			LE			18.0	9.00
			LZ	Ms=6.2		20.0	25.5
TIA	39.5	264	−P	10 07 11.2	0.2		
			PMZ	m_B=5.9		5.0	0.99
			pP	10 07 23.5	−0.2		
			PP	10 08 43.7	−2.3		
			PPMZ			8.0	5.86
			eS	10 13 09.0	−0.4		
			SMN	m_B=5.9		11.0	1.77
			SME			8.0	0.97
			ScS	10 17 14.7	3.5		
			LN	Ms=6.2		20.0	22.5
			LE			16.0	4.84
			LZ	Ms=6.1		20.0	15.9
HHC	39.7	274	+P	10 07 13.6	0.9		
			PMZ	m_B=6.5		4.0	3.34
			pP	10 07 26.0	0.7		
			S	10 13 13.0	1.7		

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			LE		Ms=6.0		12.0	8.04
BTO	40.8	275	−iP	10 07 22.0		0.4		
			PMZ		m_B=6.0		6.0	1.30
			pP	10 07 35.0		0.9		
			ePP	10 09 01.0		2.2		
			iS	10 13 31.0		2.6		
			SMN		m_B=6.3		10.0	4.70
			SME				10.0	2.80
			sS	10 13 54.0		4.0		
			SS	10 16 28.0		2.4		
			ScS	10 17 19.0		0.5		
			LN		Ms=6.1		15.0	10.8
			LE				18.0	10.8
			LZ		Ms=6.1		18.0	16.0
SSE	40.9	255	−iP	10 07 23.0		1.0		
			PMZ		m_B=6.3		6.0	2.69
			pP	10 07 35.0		0.3		
			esP	10 07 42.0		1.7		
			ePP	10 08 59.0		−0.5		
			PcP	10 09 23.0		1.3		
			iS	10 13 33.0		3.8		
			sS	10 13 52.0		0.9		
			SS	10 16 28.0		0.9		
			ScS	10 17 24.0		5.0		
			LN		Ms=5.8		20.0	4.80
			LE				20.0	6.40
			LZ		Ms=5.7		20.0	6.52
TIY	41.3	270	−iP	10 07 26.5		1.1		
			PMZ		m_B=6.1		5.0	1.52
			pP	10 07 39.0		1.0		
			PP	10 09 11.0		7.3		
			S	10 13 37.0		2.8		
			SMN		m_B=6.4		8.0	5.10
			sS	10 14 02.0		5.0		
			LN		Ms=6.2		18.0	16.0
			LE				16.0	8.71
NJ2	41.5	258	−iP	10 07 27.5		0.4		
			PMZ		m_B=6.1		6.0	1.90
			PcP	10 09 24.0		0.2		
			S	10 13 38.5		0.9		
			SMN		m_B=6.1		10.0	2.40
			SME				10.0	2.20
			ScS	10 17 24.0		1.3		
			LN		Ms=5.9		15.0	4.20
			LE				14.0	7.20
			LZ		Ms=5.9		19.0	8.80
WHN	45.2	261	+iP	10 07 57.6		0.3		
			pP	10 08 10.0		−0.1		
			sP	10 08 15.0		−0.6		
			iScP	10 13 26.0		3.1		
			S	10 14 32.0		0.5		
			isS	10 14 54.0		−0.6		
			iSS	10 17 48.0		1.1		
			iScS	10 17 50.0		4.3		
			LN		Ms=6.2		20.0	13.5
			LE				19.0	8.57
XAN	45.9	269	−P	10 08 02.4		−0.2		
			PMZ		m_B=6.0		5.0	1.00
			pP	10 08 15.0		−0.3		
			sP	10 08 21.0		0.2		
			PcP	10 09 41.0		2.4		
			PP	10 09 54.0		4.2		
			S	10 14 41.0		0.1		
			SMN		m_B=6.0		9.0	1.82
			sS	10 14 59.5		−4.5		
			ScS	10 17 52.0		2.1		
			LN		Ms=6.4		20.0	18.9
			LE				20.0	18.0
QZH	47.0	252	−iP	10 08 12.0		0.2		
			pP	10 08 24.5		−0.2		
			PP	10 10 02.0		0.4		
			PPMZ				9.0	1.98
			S	10 15 00.0		2.2		
			SME		m_B=6.3		10.0	3.89
			SS	10 18 24.0		5.5		
			LN		Ms=5.8		13.0	2.38
			LE				13.0	3.85
LZH	47.4	275	−P	10 08 15.5		0.6		
			PMZ				1.5	0.27
			pP	10 08 28.0		0.5		
			PP	10 10 03.0		−1.9		
			S	10 15 03.0		0.1		
			SMN		m_B=6.5		8.0	5.48
			sS	10 15 24.0		−2.1		
			ScS	10 18 03.0		3.1		
			eSS	10 18 30.0		5.1		
			LN		Ms=6.4		17.0	12.8
			LE				19.0	19.8
GTA	47.5	281	−iP	10 08 16.3		0.8		
			pP	10 08 28.5		0.3		
			S	10 15 07.5		3.4		
			SS	10 18 28.0		1.6		
			LN		Ms=6.1		15.5	9.38
CD2	51.1	270	eP	10 08 42.6		−0.8		
			pP	10 08 55.0		−1.3		
			PP	10 10 41.3		1.3		
			S	10 15 56.7		1.9		
			SMN		m_B=6.8		9.0	7.40
			SME				5.0	5.57
			LN		Ms=6.3		17.0	12.1

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			LE			16.0	11.5
WMQ	51.3	294	P	10 08 44.0	−1.0		
			sP	10 09 02.0	−1.2		
			PP	10 10 45.0	3.2		
			S	10 15 58.5	1.0		
			sS	10 16 18.0	−2.9		
			ScS	10 18 30.0	3.8		
			LN	Ms=6.4		19.0	6.25
			LE			17.0	20.8
GZH	51.5	256	eP	10 08 47.0	1.2		
			PMZ	m_B=6.5		5.0	2.87
			S	10 16 04.0	4.7		
			SMN	m_B=6.3		9.0	2.11
			SME			9.0	3.17
			sS	10 16 22.0	−0.7		
			LN	Ms=5.9		13.0	2.01
			LE			16.0	5.48
GYA	52.7	264	−P	10 08 56.0	0.5		
			PMZ	m_B=6.5		4.0	2.20
			pP	10 09 09.0	0.7		
			PcP	10 10 03.0	−0.5		
			S	10 16 19.0	2.3		
			SMN	m_B=6.6		8.0	4.70
			SME			8.0	3.20
			LN	Ms=6.2		17.0	8.10
			LE			17.0	10.2
			LZ	Ms=6.1		17.0	10.4
KMI	56.0	266	−P	10 09 20.0	0.2		
			pP	10 09 33.0	0.3		
			PP	10 11 30.0	4.9		
			iS	10 17 06.0	3.1		
			sS	10 17 27.0	2.2		
			ScS	10 19 05.0	5.7		
			SS	10 20 56.0	8.2		
			LE	Ms=6.2		21.0	14.5
QZN	56.6	256	−iP	10 09 25.5	1.5		
			PMZ	m_B=6.4		6.0	2.60
			pP	10 09 38.0	0.9		
			sP	10 09 43.0	0.5		
			PcP	10 10 12.0	−6.5		
			PP	10 11 36.0	5.3		
			ScP	10 14 09.0	−2.8		
			iS	10 17 19.5	8.9		
			SMN	m_B=6.6		9.0	4.80
			SME			9.0	5.00
			sS	10 17 41.0	8.1		
			LN	Ms=5.9		16.0	3.60
			LE			14.0	2.80
LSA	59.4	279	−iP	10 09 42.6	−1.1		
			S	10 17 46.0	0.8		
			SMN	m_B=6.2		7.0	2.20
			LN	Ms=6.0		23.0	8.16
KSH	60.6	297	eP	10 09 51.0	−0.7		
			pP	10 10 04.0	−0.7		
			sP	10 10 13.0	2.9		
			iS	10 18 04.0	1.5		
			sS	10 18 28.0	3.3		
			LE	Ms=6.6		15.0	20.1

1985 8 11

O=16 06 00.3 ± 0.09s
LAT=36.20 N ± 1.46km
LONG= 95.63 E ± 1.14km
DEPTH= 33 km ± 0.07km
STATIONS USED = 92, STAND DEV= 2.10s
Ms=5.2/32, m_B=5.3/ 5

GTA	4.6	45	−iPn	16 07 11.8	3.4		
			Pg	16 07 27.0	5.1		
			iSg	16 08 31.0	5.9		
			LN	Ms=5.1		10.0	28.6
			LE			9.5	18.7
LZH	6.7	89	−Pn	16 07 38.5	2.1		
			PMZ			2.5	1.37
			eSn	16 08 55.0	2.2		
			Sg	16 09 32.0	3.1		
			LN	Ms=5.4		5.0	11.2
			LE			8.0	18.6
LSA	7.5	211	+Pn	16 07 49.8	1.5		
			LN	Ms=5.3		7.0	11.9
			LE			7.0	9.25
CD2	8.6	126	eP	16 08 08.1	2.6		
			S	16 09 50.4	8.3		
			LN	Ms=5.4		10.0	20.1
			LZ	Ms=5.2		8.0	12.0
WMQ	9.7	324	+P	16 08 20.5	−0.9		
			S	16 10 16.5	6.0		
			LG_1	16 11 00.0	−6.3		
			LG_2	16 11 13.0	−8.7		
			LN	Ms=5.3		9.0	12.8
XAN	11.1	97	eP	16 08 36.6	−3.5		
			eS	16 10 40.0	−4.2		
			LN	Ms=5.3		8.0	7.42
			LE			8.0	5.23
BTO	12.1	64	−P	16 08 51.0	−2.9		
			LN	Ms=5.0		11.0	3.00
			LE			11.0	4.70
			LZ	Ms=5.1		11.0	7.00
KMI	12.6	149	−P	16 08 59.5	−1.3		
			eS	16 11 18.0	−3.4		
			LZ	Ms=5.3		12.0	12.1

HHC	13.3	65	+iP	16 09 07.2	−2.7		
			S	16 11 35.0	−2.2		
			LN	Ms=5.2		8.0	3.91
			LE			9.0	4.24
GYA	13.5	133	−P	16 09 13.0	0.3		
			PP	16 09 26.0	2.5		
			S	16 11 45.0	2.7		
			LN	Ms=5.2		9.0	5.60
			LE			9.0	3.20
			LZ	Ms=5.3		9.0	7.40
TIY	13.5	79	+iP	16 09 09.2	−3.5		
			pP	16 09 18.5	−1.2		
			S	16 11 43.0	0.6		
			LN	Ms=5.2		8.0	2.78
			LE			7.5	4.53
KSH	15.9	288	eP	16 09 42.0	−1.1		
			PP	16 09 54.0	−1.7		
			eS	16 12 35.0	−3.1		
			LE	Ms=5.6		11.0	15.7
BJI	16.6	70	eP	16 09 54.0	1.5		
			PMZ	m_B=5.3		4.0	0.54
			eS	16 12 57.0	1.7		
			SMN	m_B=5.2		9.0	0.62
			SME			9.0	0.95
			LN	Ms=5.2		11.0	5.10
WHN	16.6	104	eP	16 09 52.5	−0.1		
			eSS	16 13 08.0	−7.0		
			iLG_1	16 14 44.0	1.6		
			iLG_2	16 15 06.5	−2.2		
			LN	Ms=5.3		8.0	4.79
TIA	17.4	84	eP	16 10 00.7	−1.1		
			LG_1	16 15 11.8	6.4		
			LN	Ms=4.9		10.0	1.60
			LE			11.0	1.50
			LZ	Ms=5.0		11.0	2.96
NJ2	19.7	95	−P	16 10 32.5	3.1		
			S	16 14 11.0	7.4		
			LN	Ms=5.1		8.0	2.40
GZH	20.2	126	P	16 10 35.0	0.2		
			S	16 14 20.5	6.4		
			LN	Ms=5.4		12.0	4.58
			LE			10.0	4.53
DL2	20.8	75	eP	16 10 42.0	0.8		
			eS	16 14 31.0	4.4		
			LN	Ms=5.1		13.0	0.77
			LE			13.0	3.31
QZN	21.2	140	eP	16 10 46.0	0.3		
			S	16 14 41.0	6.9		
			sS	16 14 55.5	6.9		
			LN	Ms=5.3		13.0	2.60
			LE			14.0	5.30
SSE	21.9	96	eP	16 10 53.7	1.5		
			iS	16 14 52.0	5.0		
			LN	Ms=5.0		9.0	1.75
			LZ	Ms=4.7		10.0	1.00
SNY	22.4	67	−P	16 10 57.6	0.2		
			S	16 15 03.2	7.2		
			SME	m_B=5.3		11.0	1.06
			LN	Ms=5.1		9.5	1.36
			LE			9.0	1.51
QZH	22.7	113	−P	16 11 04.0	3.6		
			S	16 15 09.0	7.7		
			SME	m_B=5.6		10.0	1.84
			LN	Ms=5.6		7.0	4.01
			LE			7.0	3.48
CN2	24.0	62	+P	16 11 13.8	0.7		
			pP	16 11 17.4	−4.6		
			ePP	16 11 50.0	3.0		
			S	16 15 29.5	5.2		
			SMN	m_B=5.4		5.0	0.60
			SS	16 16 18.0	2.3		
			LN	Ms=5.4		13.0	5.90
MDJ	27.0	61	eP	16 11 41.5	−0.5		
			eS	16 16 17.0	1.0		
			LZ	Ms=5.4		15.0	5.25

1985 8 12
O=00 04 50.9 ± 0.12s
LAT=38.44 S ± 2.00km
LONG= 73.46 W ± 3.00km
DEPTH= 33 km ± 0.80km
STATIONS USED = 55, STAND DEV= 2.01s
Ms=6.2/19, m_B=6.1/ 7

KSH	156.3	78	+PKP	00 24 45.0	2.0		
			eSKKS	00 35 16.0			
			LE	Ms=6.8		19.0	10.1
QZN	160.4	189	PKP	00 24 49.0	1.0		
			PKP_2	00 25 31.0			
			PKS	00 28 24.0			
			PP	00 29 12.0	−1.4		
			SKS	00 31 50.0	3.4		
			LE	Ms=6.1		17.0	1.90
MDJ	161.7	297	+PKP	00 24 48.0	−1.2		
			PKP_2	00 25 38.0			
			PP	00 29 22.5	2.2		
			PKS	00 28 20.0			
LSA	164.6	120	ePKP	00 24 53.0	0.4		
			PKP_2	00 25 45.0			
			PP	00 29 33.0	−2.6		
			PPMZ	m_B=6.0		7.0	1.13

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			LN		Ms=6.1		18.0	2.31
CN2	164.8	297	+PKP	00 24 48.0		−4.3		
			sPKP	00 25 05.0				
			PKP_2	00 25 48.5				
			SS	00 50 10.0		5.4		
			LE		Ms=6.0		19.0	2.00
WMQ	164.8	63	PKP	00 24 51.5		−1.0		
			PKP_2	00 25 51.0				
			PP	00 29 35.0		−1.9		
			PPMZ		m_B=6.4		8.0	3.05
			SKS	00 31 56.0		6.1		
			SS	00 50 05.0		0.0		
			LN		Ms=6.6		18.0	6.54
KMI	166.3	165	+PKP	00 24 55.0		1.1		
			PKP_2	00 25 57.5				
			PP	00 29 41.0		−3.5		
			LE		Ms=6.5		22.0	6.45
SNY	166.5	290	iPKP	00 24 52.0		−1.8		
			PKP_2	00 26 02.0				
			PP	00 29 46.0		0.5		
			LN		Ms=6.1		20.0	1.39
			LE				20.0	1.98
GYA	168.1	181	+PKP	00 24 56.0		1.1		
			LN		Ms=6.3		18.0	3.50
DL2	168.2	277	PKP	00 24 53.0		−1.8		
			PKP_2	00 26 08.0				
			PP	00 29 58.0		4.2		
			PPMZ		m_B=5.8		7.0	0.72
			LN		Ms=6.3		17.0	2.25
			LE				16.0	1.83
WHN	169.8	222	+PKP	00 24 58.0		2.2		
			ePP	00 30 05.0		3.1		
			PPMZ		m_B=6.1		6.0	1.28
			SKKS	00 36 49.0				
			LE		Ms=6.2		20.0	3.35
TIA	171.3	258	ePKP	00 24 57.0		0.3		
			PKS	00 27 03.2				
			LN		Ms=6.2		19.0	3.29
CD2	172.1	162	+iPKP	00 24 58.7		1.4		
			PKP_2	00 26 21.0				
			PP	00 30 08.9		−4.6		
			LZ		Ms=6.3		20.0	5.60
BJI	172.4	285	ePKP	00 24 57.0		−0.3		
			$ePKP_2$	00 26 24.0				
			ePP	00 30 16.0		1.4		
			eSKS	00 32 02.0		8.1		
			eSS	00 51 22.0		2.7		
			LN		Ms=6.2		19.0	3.80
			LE				19.0	1.64
			LZ		Ms=6.4		19.0	6.10
XAN	175.2	204	+PKP	00 24 58.5		0.1		
			$ePKP_2$	00 26 32.5				
			PP	00 30 30.0		1.2		
			PPMZ		m_B=6.2		11.0	3.05
			SKS	00 31 50.0		−4.7		
			SKKS	00 37 10.0				
			LN		Ms=5.9		16.0	1.41
			LE				18.0	2.23
TIY	175.3	263	+iPKP	00 24 58.5		0.0		
			sPKP	00 27 19.0				
			SKKS	00 37 15.0				
			LN		Ms=6.2		18.0	3.57
			LE				18.0	3.22
HHC	175.4	303	PKP	00 24 59.0		0.5		
			PKP_2	00 26 37.0				
			PP	00 30 30.0		0.0		
			PPMZ		m_B=6.2		8.0	2.00
			SKKS	00 37 16.0				
			LN		Ms=6.1		19.0	3.79
BTO	176.6	310	PKP	00 24 58.0		−0.8		
			PKP_2	00 26 41.0				
			PP	00 30 33.0		−1.9		
			PPMZ		m_B=6.0		7.0	1.30
			SKKS	00 37 18.0				
			SS	00 51 58.0		−0.6		
			LN		Ms=6.1		17.0	3.70
			LE				17.0	1.60
			LZ		Ms=6.2		17.0	4.90
LZH	176.8	137	ePKP	00 25 00.5		1.6		
			PKP_2	00 26 42.5				

1985 8 12
O=00 21 32.1 ± 0.07s
LAT=24.82 N ± 0.78km
LONG=121.75 E ± 1.04km
DEPTH= 20 km ± 0.25km
STATIONS USED = 23, STAND DEV= 1.71s
Ms=4.5/ 8,

QZH	2.9	273	+iPn	00 22 18.2		1.0		
			Pg	00 22 27.0		4.2		
			Sn	00 22 51.9		−1.0		
			LE				9.0	1.76
SSE	6.3	356	−iP	00 23 05.0		−1.0		
			LG_1	00 24 48.0		−1.1		
			LG_2	00 25 01.4		2.4		
			LN		Ms=4.5		10.0	3.86
			LE				10.0	2.24
			LZ		Ms=4.4		10.0	4.16
NJ2	7.6	341	eP	00 23 24.0		−1.3		
			iLG_1	00 25 38.0		5.9		

			LN	Ms=4.6	10.0	2.10
			LE		11.0	3.60
			LZ	Ms=4.5	11.0	3.90
GZH	7.9	259	-P	00 23 28.8	0.3	
			S	00 24 51.4	-6.3	
			LN	Ms=4.7	8.0	3.07
			LE		10.0	2.77
WHN	8.7	313	eP	00 23 38.5	-1.3	
			eS	00 25 19.0	0.9	
			LN	Ms=4.9	8.0	3.06
			LE		8.0	4.02
			LZ	Ms=4.9	6.0	4.14
QZN	12.5	245	eP	00 24 31.7	0.3	

1985 8 12
O=02 33 19.4 ± 0.11s
LAT=19.98 N ± 1.29km
LONG=121.33 E ± 1.93km
DEPTH= 29 km ± 0.38km
STATIONS USED = 69, STAND DEV= 1.87s
Ms=4.9/17,

QZH	5.6	333	ePn	02 34 40.5	-0.1	
			Sn	02 35 39.2	-6.2	
			LN	Ms=4.3	15.0	3.27
			LE		13.0	3.64
GZH	8.1	294	-P	02 35 14.0	-3.4	
			S	02 36 40.0	-8.2	
			LN	Ms=4.6	15.0	3.68
			LE		15.0	4.17
QZN	10.9	267	-P	02 35 53.5	-3.0	
			S	02 37 52.4	-5.5	
			LN	Ms=4.7	14.0	3.10
			LE		15.0	3.20
WHN	12.3	330	eP	02 36 17.5	2.2	
GYA	14.9	298	P	02 36 49.4	-1.4	
			PP	02 36 58.0	-4.5	
			S	02 39 27.0	-8.5	
			LN	Ms=4.8	12.0	1.90
			LE		12.0	2.00
			LZ	Ms=4.9	12.0	3.70
TIA	16.6	348	eP	02 37 13.4	1.6	
			LN	Ms=4.4	16.0	1.18
XAN	17.8	324	eP	02 37 27.0	-0.3	
			S	02 40 41.5	-0.5	
			LN	Ms=4.9	13.0	2.86
			LE		15.0	1.19
KMI	17.9	290	-P	02 37 27.5	-1.1	
			pP	02 37 35.0	-0.5	
			eS	02 40 45.0	-0.2	
			LE	Ms=4.9	14.0	2.64
CD2	19.2	308	P	02 37 44.8	0.6	
			eS	02 41 22.0	7.8	
			LE	Ms=5.5	8.0	5.30
			LZ	Ms=5.3	10.0	4.92
TIY	19.3	338	P	02 37 46.3	1.2	
			S	02 41 23.0	7.9	
			LN	Ms=5.0	13.0	2.64
			LE		13.0	1.25
BJI	20.5	349	eP	02 37 57.5	-0.3	
			eS	02 41 37.0	-4.0	
			LN	Ms=4.6	12.0	1.03
SNY	21.9	5	eP	02 38 12.3	0.4	
LZH	22.2	320	-P	02 38 17.0	1.5	
			PMZ		2.0	0.17
HHC	22.4	340	eP	02 38 18.0	0.5	
BTO	22.7	337	eP	02 38 21.0	0.5	
			S	02 42 24.0	2.1	
			LN	Ms=4.9	15.0	1.80
			LE		15.0	1.10
			LZ	Ms=4.8	15.0	1.70
CN2	24.0	7	eP	02 38 32.2	-0.7	
GTA	26.8	321	P	02 39 00.0	0.5	
WMQ	36.8	318	+iP	02 40 27.5	0.7	
			S	02 46 07.5	0.0	
			LN	Ms=5.2	15.0	2.04
KSH	43.4	307	P	02 41 25.0	3.3	
			eS	02 47 46.0	-1.9	
			LE	Ms=5.4	14.0	2.10

1985 8 12
O=02 54 42.0 ± 0.13s
LAT=39.94 N ± 2.21km
LONG= 39.81 E ± 0.93km
DEPTH= 20 km ± 0.40km
STATIONS USED = 39, STAND DEV= 1.53s

KSH	27.7	79	eP	03 00 32.0	0.3
			eS	03 05 07.0	-4.7
WMQ	35.5	68	P	03 01 40.5	0.7
GTA	45.4	70	eP	03 03 02.8	0.9
LZH	49.6	73	eP	03 03 35.5	0.5
CD2	51.9	79	eP	03 03 51.4	-0.7
KMI	54.0	86	+P	03 04 08.0	-0.2
XAN	54.3	73	+P	03 04 09.5	-0.2
TIY	55.1	67	eP	03 04 16.0	-0.1
GYA	56.3	82	P	03 04 24.0	-0.8
BJI	56.7	63	eP	03 04 27.0	-0.3
CN2	61.1	56	+P	03 04 58.4	0.6
SSE	64.7	70	eP	03 05 17.6	-4.0

1985 8 12

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O=03 49 16.2 ± 0.07s
LAT=37.79 N ± 1.63km
LONG=141.69 E ± 1.22km
DEPTH= 46 km ± 0.82km
STATIONS USED =127, STAND DEV= 1.63s
Ms=6.5/28, m_B=6.5/26

MDJ	11.4	311	+iP	03 52 01.7	2.5		
			S	03 54 09.0	4.1		
			SMN	m_B=6.3		8.0	22.0
			SS	03 54 23.0	3.5		
CN2	13.7	301	+iP	03 52 30.5	0.6		
			PMZ	m_B=7.1		9.0	27.1
			pP	03 52 39.5	1.1		
			S	03 55 02.0	1.6		
			LE	Ms=6.3		17.0	125
SNY	14.5	292	+iP	03 52 40.5	0.0		
			PMZ	m_B=6.5		6.0	5.22
			pP	03 52 49.0	−0.1		
			S	03 55 15.0	−4.5		
			sS	03 55 26.5	−7.6		
			SS	03 55 34.0	−3.0		
			LN	Ms=6.5		13.0	44.0
			LE			15.0	170
DL2	15.8	280	+iP	03 52 59.0	1.8		
			PMZ	m_B=6.3		7.0	9.90
			S	03 55 52.0	2.4		
			SMN	m_B=6.5		8.0	14.5
			SME			9.0	15.8
			LN	Ms=6.1		13.0	13.8
			LE			15.0	57.0
SSE	18.2	255	+iP	03 53 26.5	−0.5		
			PMZ	m_B=6.2		8.0	10.7
			pP	03 53 37.0	0.8		
			sP	03 53 43.0	1.0		
			iS	03 56 44.5	−0.1		
			sS	03 56 58.0	−1.8		
			SS	03 57 10.0	2.0		
			LN	Ms=6.4		16.0	66.2
			LE			14.0	70.8
NJ2	19.6	260	+iP	03 53 42.0	−1.2		
			S	03 57 16.0	0.7		
			sS	03 57 31.0	0.1		
			LE	Ms=6.3		13.0	62.8
			LZ	Ms=6.2		19.0	73.1
TIA	19.7	273	+P	03 53 42.6	−1.9		
			PMZ	m_B=5.9		11.0	7.40
			PP	03 53 59.6	−3.2		
			S	03 57 21.0	3.2		
			SMN	m_B=6.5		7.0	8.72
			SME			6.0	6.19
			LN	Ms=6.3		13.0	32.3
			LE			14.0	44.3
			LZ	Ms=6.3		14.0	69.8
BJI	20.0	284	+P	03 53 45.5	−2.1		
			PP	03 54 02.0	−4.8		
			cS	03 57 18.0	−6.5		
			SMN	m_B=6.2		8.0	3.72
			SME			9.0	6.13
			LN	Ms=6.1		17.0	44.2
TIY	23.1	279	+iP	03 54 17.5	−1.8		
			PMZ			13.0	13.8
			S	03 58 23.0	0.9		
			sS	03 58 48.0	6.4		
			SS	03 59 14.0	5.2		
			LN	Ms=6.5		16.0	51.8
			LE			18.0	76.2
QZH	23.4	244	P	03 54 20.0	−2.5		
			PMZ	m_B=6.2		8.0	7.98
			pP	03 54 32.5	−1.1		
			sP	03 54 38.0	−0.7		
			iS	03 58 27.0	−1.9		
			SMN	m_B=6.7		8.0	10.0
			SME			10.0	16.5
			sS	03 58 46.0	−1.6		
			LN	Ms=6.2		18.0	27.7
			LE			17.0	39.3
HHC	23.5	287	+P	03 54 21.2	−1.6		
			LN	Ms=6.5		13.0	8.73
			LE			14.0	66.8
BTO	24.6	286	+iP	03 54 33.0	−1.3		
			PMZ	m_B=6.2		7.0	6.70
			pP	03 54 45.0	−0.3		
			PP	03 55 09.0	−1.4		
			S	03 58 49.0	0.2		
			SMN	m_B=6.3		10.0	2.70
			SME			10.0	7.90
			sS	03 59 09.0	0.6		
			LN	Ms=6.6		15.0	18.0
			LE			15.0	92.4
			LZ	Ms=6.6		15.0	87.4
XAN	26.7	272	+iP	03 54 52.8	−1.0		
			PMZ	m_B=6.5		9.0	9.14
			pP	03 55 05.0	0.0		
			S	03 59 18.5	−4.7		
			SMN	m_B=6.2		11.0	4.50
			SME			14.0	7.35
			LN	Ms=6.3		14.0	15.4
			LE			15.0	37.9
GZH	28.4	247	P	03 55 10.0	1.5		
			PMZ	m_B=6.6		7.0	8.75

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			pP	03 55 21.0	1.2		
			PP	03 56 02.0	2.2		
			iS	03 59 57.0	6.7		
			SMN	m_B=6.7	10.0	14.9	
			SME		10.0	13.2	
			LN	Ms=6.6	16.0	47.9	
			LE		16.0	56.7	
			LZ	Ms=6.7	16.0	95.9	
LZH	30.2	279	+iP	03 55 24.0	−0.8		
			PMZ		1.5	1.27	
			sP	03 55 43.5	2.3		
			PP	03 56 25.0	1.7		
			eS	04 00 18.0	−1.5		
			SME	m_B=6.2	9.0	5.69	
			LN	Ms=6.5	15.0	13.8	
			LE		15.0	56.7	
GYA	31.6	259	+P	03 55 36.0	−1.2		
			PMZ		3.0	5.50	
			PP	03 56 47.0	5.5		
			PPMZ		5.0	3.30	
			S	04 00 40.0	−0.3		
			SMN	m_B=6.5	7.0	5.60	
			SME		7.0	4.80	
			LN	Ms=6.8	17.0	35.9	
			LE		17.0	99.1	
			LZ	Ms=6.5	17.0	54.0	
CD2	31.9	269	+iP	03 55 39.4	−0.6		
			PMZ	m_B=6.1	12.0	3.67	
			PP	03 56 50.0	4.2		
			iS	04 00 47.0	0.6		
			SME		15.0	8.42	
			SS	04 02 36.0	−3.1		
			LN	Ms=6.6	22.0	67.1	
			LE		19.0	54.9	
GTA	32.6	286	+iP	03 55 45.7	−0.2		
			PP	03 56 53.0	−1.5		
			LE	Ms=6.4	16.0	40.9	
			LZ	Ms=6.4	30.0	72.5	
QZN	33.4	245	+iP	03 55 55.0	1.7		
			PMZ	m_B=6.5	7.0	4.90	
			pP	03 56 05.5	0.6		
			sP	03 56 13.0	3.2		
			PP	03 57 04.0	−1.4		
			PcP	03 58 29.0	−4.1		
			S	04 01 13.0	3.5		
			SMN	m_B=6.4	11.0	6.10	
			SME		11.0	6.70	
			sS	04 01 33.0	2.9		
			ScP	04 02 09.0	−3.3		
			PcS	04 02 20.0	2.4		
			SS	04 03 14.0	−0.6		
			LN	Ms=6.5		17.5	41.0
			LE			17.5	33.4
KMI	35.3	260	+iP	03 56 09.0	−0.5		
			pP	03 56 21.0	0.1		
			PP	03 57 31.0	2.3		
			iS	04 01 40.0	0.4		
			sS	04 02 00.0	1.1		
			SS	04 03 59.0	1.5		
			LE	Ms=6.8		11.0	62.5
WMQ	40.7	296	+iP	03 56 55.5	0.9		
			PMZ	m_B=7.0		5.0	12.4
			pP	03 57 08.0	1.8		
			PP	03 58 31.5	−0.2		
			PcP	03 58 57.2	2.1		
			ScP	04 02 44.0	4.8		
			S	04 03 02.0	1.8		
			SME	m_B=6.7		8.0	11.3
			LN	Ms=6.6		13.0	20.9
			LE			17.0	33.6
LSA	42.4	275	+P	03 57 09.0	0.4		
			ipP	03 57 21.0	1.2		
			iScP	04 02 47.5	1.6		
			iS	04 03 26.0	−0.7		
			LN	Ms=6.2		19.0	17.6
KSH	50.3	294	+iP	03 58 13.0	1.8		
			pP	03 58 25.0	2.2		
			PP	04 00 15.0	8.3		
			iS	04 05 24.0	4.6		
			SME	m_B=6.9		8.0	13.3
			LE	Ms=7.1		15.0	85.8

1985 8 12

O=04 03 12.4 ± 0.14s
LAT=44.04 N ± 1.62km
LONG= 84.30 E ± 1.11km
DEPTH= 35 km ± 0.28km
STATIONS USED = 9, STAND DEV= 3.82s

WMQ	2.5	94	+Pn	04 03 52.1	1.4
			Sg	04 04 25.8	−4.3

1985 8 12

O=04 18 58.8 ± 0.08s
LAT= 6.98 S ± 1.45km
LONG=117.26 E ± 1.81km
DEPTH=598 km ± 0.25km
STATIONS USED = 99, STAND DEV= 1.24s
m_B=5.5 / 3

QZN	26.9	344	+P	04 23 55.8	0.4
			sP	04 26 39.0	2.7

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			S	04 27 54.0	2.2		
			ScP	04 29 41.0	0.0		
GZH	30.1	353	P	04 24 23.5	0.1		
			sP	04 27 07.0	0.1		
QZH	31.8	2	+P	04 24 38.0	0.8		
			ePcP	04 27 09.0	−1.1		
			S	04 29 10.0	2.6		
			SMN	m_B = 5.0		10.0	0.97
			SME			14.0	0.24
			ScP	04 29 54.0	−2.7		
GYA	34.8	343	+P	04 25 03.8	1.1		
			pP	04 26 50.0	2.5		
			PcP	04 27 20.0	1.2		
			S	04 29 52.0	−1.4		
			SMN	m_B = 5.5		5.0	1.20
			ScP	04 30 09.0	1.6		
			ScS	04 34 13.0	0.5		
KMI	34.9	337	+iP	04 25 05.5	1.8		
WHN	37.4	356	+iP	04 25 25.3	1.2		
			PMZ			0.9	0.16
			PcP	04 27 27.5	0.7		
			ScP	04 30 19.0	1.9		
SSE	38.0	5	+iP	04 25 30.1	0.8		
			PMZ			1.0	0.050
			iPcP	04 27 28.9	0.1		
			ScP	04 30 21.2	1.8		
NJ2	38.8	2	+P	04 25 36.5	0.8		
			PcP	04 27 31.8	0.5		
			ScP	04 30 24.4	1.9		
			S	04 30 54.0	1.0		
CD2	39.8	342	+iP	04 25 44.2	0.4		
			PMZ			0.6	0.18
			PcP	04 27 32.9	−1.7		
			S	04 31 04.6	−2.8		
XAN	41.6	350	+iP	04 25 56.8	−0.7		
			pP	04 27 41.0	0.3		
			S	04 31 28.8	−3.1		
			PcS	04 31 32.0	2.8		
TIA	43.0	360	−P	04 26 07.7	−0.8		
			PcP	04 27 45.2	0.2		
			ScP	04 30 41.0	2.1		
LSA	44.3	327	−iP	04 26 18.6	−0.6		
			S	04 32 08.4	−1.9		
			SMN			13.0	0.84
LZH	44.7	344	−P	04 26 22.5	0.7		
			PMZ			2.0	0.28
			PcP	04 27 52.0	1.1		
			ScP	04 30 48.0	2.2		
			S	04 32 14.5	−1.1		
			ScS	04 35 14.0	2.5		
TIY	44.7	355	−iP	04 26 21.3	−0.7		
			PMZ			0.8	0.10
			S	04 32 13.5	−2.6		
DL2	45.8	5	−P	04 26 29.3	−1.3		
			S	04 32 29.0	−3.0		
			eScS	04 35 20.5	1.3		
BJI	46.8	359	eP	04 26 37.0	−0.9		
			ePcP	04 27 58.5	−0.1		
			eScP	04 30 56.5	1.8		
			eS	04 32 43.5	−2.8		
			SMN	m_B = 5.6		9.0	1.51
			SME			9.0	0.76
BTO	47.8	353	eP	04 26 45.0	−0.7		
HHC	47.9	354	−iP	04 26 45.8	−0.5		
			PcP	04 28 02.6	0.0		
GTA	48.9	342	−iP	04 26 55.0	1.0		
SNY	48.9	6	+P	04 26 52.4	−1.5		
CN2	51.1	8	−iP	04 27 08.1	−1.7		
			PcP	04 28 14.0	−0.5		
MDJ	52.5	11	−iP	04 27 20.5	0.3		
			PMZ			0.8	0.94
			PcP	04 28 20.5	0.5		
			S	04 34 02.5	−0.4		
WMQ	57.2	335	−iP	04 27 52.0	−0.6		
			PcP	04 28 37.5	−0.6		
			pP	04 29 47.5	1.3		
			sP	04 30 52.5	4.1		
			S	04 35 03.0	−0.3		
			SMN			2.5	0.32
KSH	59.9	324	−iP	04 28 11.5	0.6		
			epP	04 30 08.0	1.8		
			S	04 35 40.0	2.4		

1985 8 12

O = 06 45 26.8 ± 0.15s
LAT = 40.74 N ± 1.20km
LONG = 76.86 E ± 0.85km
DEPTH = 22 km ± 0.91km
STATIONS USED = 10, STAND DEV = 2.58s
M_L = 4.1 / 6,

KSH	1.4	208	+iPn	06 45 52.7	0.3		
			Sg	06 46 10.5	−2.1		
			SMN	M_L = 4.3		0.5	4.60
			SME			0.5	2.80
WMQ	8.6	65	eP	06 47 34.5	1.2		
			S	06 49 14.8	4.5		
			SMN	M_L = 4.6		1.2	0.12
GTA	17.6	87	eP	06 49 31.6	−1.3		

1985 8 12

O = 12 04 46.9 ± 0.27s
LAT = 24.45 N ± 0.97km
LONG = 122.04 E ± 1.82km
DEPTH = 4 km ± 1.14km
STATIONS USED = 10, STAND DEV = 2.55s
M_L = 3.3 / 2,

QZH	3.2	280	ePn	12 05 39.1	1.2		
			Sn	12 06 14.4	−3.8		
			SMN	M_L = 3.5		0.9	0.24
			SME			0.5	0.070

1985 8 12
O = 14 29 02.2 ± 0.11s
LAT = 11.13 N ± 1.63km
LONG = 140.41 E ± 1.88km
DEPTH = 32 km ± 0.15km
STATIONS USED = 68, STAND DEV = 1.65s
Ms = 4.7 / 8,

QZH	24.8	307	eP	14 34 23.8	0.6		
			LN	Ms = 4.3		14.0	0.42
SSE	26.7	321	P	14 34 40.7	0.2		
			eS	14 39 16.0	4.0		
			sS	14 39 30.0	3.2		
			LN	Ms = 4.5		12.0	0.54
			LZ	Ms = 4.6		16.0	0.92
WHN	31.0	313	P	14 35 19.1	0.2		
TIA	32.7	324	eP	14 35 32.9	−1.0		
SNY	34.0	337	eP	14 35 44.4	−0.6		
			S	14 41 06.0	−0.2		
			LN	Ms = 5.0		14.0	0.77
			LE			16.0	1.05
MDJ	34.6	346	eP	14 35 55.0	4.0		
CN2	35.0	341	+P	14 35 52.8	−1.5		
			eS	14 41 24.0	0.1		
			LN	Ms = 4.7		12.0	0.50
GYA	35.3	300	P	14 35 57.6	1.2		
BJI	35.9	327	eP	14 36 01.0	−0.8		
			LN	Ms = 4.6		16.0	0.51
TIY	36.5	321	P	14 36 06.4	−0.2		
			eS	14 41 46.5	0.4		
			LN	Ms = 4.9		14.0	0.58
			LE			15.0	0.65
XAN	36.7	313	eP	14 36 07.7	−0.8		
KMI	38.3	297	+P	14 36 23.5	1.7		
HHC	39.0	324	P	14 36 28.0	0.1		
CD2	39.2	306	+iP	14 36 30.5	1.0		
			PMZ			1.0	0.050
			S	14 42 31.0	4.1		
BTO	39.7	323	eP	14 36 34.0	0.0		
			eS	14 42 38.0	2.0		
			LN	Ms = 4.9		15.0	0.50
			LE			15.0	0.60
LZH	41.3	313	eP	14 36 47.5	0.3		
GTA	45.7	315	+iP	14 37 23.0	0.5		
LSA	49.3	300	eP	14 37 50.3	−0.9		
WMQ	55.8	316	+iP	14 38 39.0	0.1		
			eS	14 46 23.0	0.7		
			LN			3.5	0.080

1985 8 12
O = 15 23 14.8 ± 0.05s
LAT = 4.44 S ± 0.87km
LONG = 102.96 E ± 1.56km
DEPTH = 92 km ± 0.71km
STATIONS USED = 30, STAND DEV = 1.08s

GYA	30.9	6	P	15 29 26.3	0.8
CD2	35.2	1	eP	15 30 02.1	0.1
XAN	38.7	8	−P	15 30 31.8	0.2
GTA	43.7	356	+iP	15 31 13.8	0.7
BJI	45.9	14	eP	15 31 30.0	−0.3
WMQ	50.0	346	+P	15 32 01.5	−0.6
			eS	15 39 10.5	5.8
CN2	52.1	21	+P	15 32 16.8	−1.4

1985 8 12
O = 15 48 30.4 ± 0.07s
LAT = 41.74 N ± 0.42km
LONG = 88.46 E ± 0.47km
DEPTH = 26 km ± 0.42km
STATIONS USED = 6, STAND DEV = 2.55s
M_L = 3.3 / 5,

WMQ	2.2	345	−iPn	15 49 05.9	0.6		
			Sg	15 49 32.0	−6.4		
			SMN	M_L = 3.5		0.4	0.32
			SME			0.4	0.37

1985 8 13
O = 00 25 21.4 ± 0.13s
LAT = 2.39 S ± 1.88km
LONG = 125.95 E ± 1.83km
DEPTH = 26 km ± 0.15km
STATIONS USED = 74, STAND DEV = 1.12s
Ms = 4.9 / 15, m_B = 6.0 / 17

QZN	26.5	324	+P	00 30 59.0	−0.2		
			PMZ	m_B = 5.8		5.0	1.00
			sP	00 31 11.0	0.4		
			S	00 35 30.0	0.7		
			sS	00 35 47.5	4.3		
			LN	Ms = 5.0		12.0	0.90
			LE			12.0	1.20

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QZH	28.1	346	+P	00 31 12.5	−0.9		
			eS	00 35 51.5	−3.8		
			SMN	m_B=5.7		7.0	1.18
GZH	28.1	335	P	00 31 15.0	1.1		
			S	00 36 05.0	9.6		
			LN	Ms=5.0		11.0	0.80
			LE			14.0	1.42
SSE	33.6	353	+iP	00 32 02.0	−0.1		
			PMZ	m_B=6.1		5.0	1.54
			pP	00 32 11.0	0.8		
			sP	00 32 16.0	2.3		
			S	00 37 20.0	−1.4		
			eSS	00 39 26.0	−0.3		
			LN	Ms=4.9		36.0	2.20
			LE			36.0	1.92
			LZ	Ms=4.9		40.0	3.08
GYA	34.2	328	+P	00 32 07.0	−0.4		
			PMZ			1.6	0.15
			sP	00 32 21.0	2.2		
			PP	00 33 19.0	−2.6		
			PcP	00 34 44.0	0.7		
			S	00 37 28.0	−2.6		
			ScS	00 42 31.0	4.9		
WHN	34.6	342	+iP	00 32 11.0	0.6		
			PMZ	m_B=5.8		5.0	0.76
			eS	00 37 38.0	0.8		
			sS	00 37 46.0	−4.5		
			PcS	00 38 34.0	4.3		
			LE	Ms=4.9		10.0	0.70
NJ2	34.9	349	+iP	00 32 14.5	1.2		
			S	00 37 41.0	−0.6		
			LN	Ms=4.6		8.0	0.30
KMI	35.4	322	+P	00 32 18.5	0.6		
			sP	00 32 32.0	2.8		
			S	00 37 48.0	−1.5		
			LE	Ms=4.8		12.0	0.59
TIA	39.3	349	P	00 32 50.4	0.3		
			PMZ	m_B=6.1		5.0	1.48
			sP	00 33 03.5	1.8		
			ePP	00 34 23.0	−1.2		
			PcP	00 34 59.0	0.4		
			eS	00 38 47.0	−2.3		
			SMN	m_B=5.5		9.5	0.52
			SME			9.0	0.61
			LN	Ms=5.0		40.0	2.32
			LE			35.0	1.19
			LZ	Ms=4.9		45.0	2.86
CD2	39.3	329	P	00 32 51.0	0.8		
			PMZ			1.0	0.13
			sP	00 33 04.0	2.1		
			S	00 38 54.1	5.6		
XAN	39.6	338	+iP	00 32 52.5	−0.5		
			PMZ	m_B=6.2		5.0	2.00
			sP	00 33 07.5	2.9		
DL2	41.3	355	+P	00 33 05.5	−1.2		
			eS	00 39 19.0	−0.3		
			LN	Ms=4.9		14.0	0.72
TIY	41.8	344	+iP	00 33 11.5	0.3		
			PMZ	m_B=6.2		5.0	1.90
			sP	00 33 25.5	2.7		
			S	00 39 31.0	4.7		
			SME	m_B=5.6		8.0	0.88
			LN	Ms=4.9		12.0	0.58
BJI	43.2	349	eP	00 33 22.0	−0.1		
			PMZ	m_B=5.9		5.0	1.06
			esP	00 33 36.0	2.2		
			ePP	00 35 02.0	−2.6		
			eS	00 39 44.0	−2.9		
			SMN	m_B=5.5		10.0	0.35
			SME			9.0	0.63
LZH	43.5	334	+P	00 33 25.0	0.1		
			PMZ	m_B=6.1		5.0	1.53
			sP	00 33 38.5	2.1		
			eS	00 39 53.0	1.0		
			SME	m_B=5.5		10.0	0.79
SNY	44.1	357	+iP	00 33 28.5	−0.9		
			PP	00 35 08.5	−5.0		
			S	00 39 59.5	0.5		
			SS	00 43 18.0	8.9		
			LN	Ms=4.9		23.0	1.01
HHC	45.0	345	−P	00 33 38.1	1.1		
			PMZ	m_B=6.1		5.0	1.58
			PP	00 35 17.5	−5.2		
BTO	45.2	343	+iP	00 33 38.0	−0.6		
			ePP	00 35 19.0	−5.4		
			eS	00 40 17.0	0.4		
CN2	46.0	359	eP	00 33 42.6	−2.2		
			sP	00 33 53.0	−3.4		
			PcP	00 35 20.0	−1.0		
			PP	00 35 29.5	−2.8		
			eS	00 40 24.5	−3.2		
			ScS	00 43 39.0	3.7		
			LN	Ms=5.3		11.0	1.30
LSA	46.1	316	eP	00 33 46.0	−0.2		
			PMZ	m_B=6.1		4.0	1.08
			eS	00 40 29.0	−1.1		
MDJ	46.9	4	+iP	00 33 52.0	0.0		
			sP	00 34 05.0	1.3		
			eS	00 40 40.0	−0.8		
			LZ	Ms=4.9		24.0	1.03

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GTA	48.0	333	+iP	00 34 02.0	1.0		
			S	00 41 01.0	5.3		
WMQ	57.4	328	+iP	00 35 10.0	−0.5		
			PMZ	m_B = 6.2		5.0	1.42
			S	00 43 08.0	5.3		
			SMN	m_B = 6.0		6.0	1.11
			eScS	00 44 50.0	−3.4		
			LZ	Ms = 4.9		32.0	0.95

1985 8 13
O = 03 42 42.6 ± 0.12s
LAT = 36.16 N ± 2.29km
LONG = 70.96 E ± 1.55km
DEPTH = 104 km ± 0.24km
STATIONS USED = 37, STAND DEV = 2.22s

KSH	5.2	49	eP	03 44 01.0	1.8		
			eS	03 44 58.0	−0.1		
			LE			2.0	5.70
WMQ	14.9	54	P	03 46 07.0	−2.6		
			S	03 48 47.5	−4.5		
			LN			1.5	0.11
LSA	18.1	105	eP	03 46 47.7	−1.8		
GTA	23.0	73	P	03 47 41.6	2.2		
LZH	26.5	80	eP	03 48 16.5	3.9		
CD2	27.8	91	eP	03 48 26.0	2.0		
XAN	31.0	83	eP	03 48 52.6	−0.3		
GYA	31.9	98	P	03 49 01.2	0.9		
BJI	35.5	70	eP	03 49 32.0	0.5		
TIA	37.0	76	eP	03 49 45.6	1.5		
DL2	39.9	70	eP	03 50 08.8	0.9		

1985 8 13
O = 05 29 18.5 ± 0.18s
LAT = 15.02 S ± 3.25km
LONG = 75.33 W ± 4.05km
DEPTH = 21 km ± 1.14km
STATIONS USED = 52, STAND DEV = 2.29s

CN2	146.3	332	+PKP	05 48 56.7	−1.0
WMQ	147.9	23	PKP	05 49 01.0	0.7
SNY	148.7	332	ePKP	05 49 02.3	0.7
DL2	151.9	331	PKP	05 49 12.6	6.1
BJI	153.1	340	ePKP	05 49 09.0	0.8
HHC	153.6	348	ePKP	05 49 10.5	1.4
GTA	155.3	9	PKP	05 49 13.0	1.6
TIA	156.1	334	ePKP	05 49 13.1	0.8
TIY	156.4	344	ePKP	05 49 14.0	1.3
LZH	159.0	2	ePKP	05 49 18.0	1.8
XAN	160.7	349	+PKP	05 49 19.0	1.1
WHN	162.2	332	ePKP	05 49 21.0	1.7
CD2	164.2	3	ePKP	05 49 23.9	2.5
GYA	168.5	351	ePKP	05 49 25.8	1.0
			PKP_2	05 50 34.4	
			PP	05 54 24.6	0.0
KMI	169.8	10	ePKP	05 49 26.5	0.8

1985 8 13
O = 07 31 31.8 ± 0.12s
LAT = 3.83 S ± 0.77km
LONG = 128.57 E ± 1.05km
DEPTH = 127 km ± 1.26km
STATIONS USED = 65, STAND DEV = 1.17s

QZN	29.2	322	eP	07 37 24.6	0.3
			eS	07 42 16.0	9.3
GZH	30.6	332	+iP	07 37 36.5	0.3
WHN	36.8	339	P	07 38 30.0	0.8
GYA	36.8	326	P	07 38 30.8	1.1
			PcP	07 40 50.0	1.2
NJ2	36.9	346	−P	07 38 30.2	0.4
KMI	38.2	320	−P	07 38 42.0	0.9
TIA	41.2	346	eP	07 39 05.4	−0.8
CD2	41.9	327	+iP	07 39 12.5	1.0
XAN	42.0	335	P	07 39 11.3	−1.0
			PcP	07 41 06.0	0.8
TIY	44.0	341	P	07 39 27.9	−0.5
BJI	45.1	347	eP	07 39 37.0	−0.5
SNY	45.7	355	eP	07 39 41.2	−0.7
LZH	45.9	332	−P	07 39 44.5	0.2
			PMZ		1.5 0.11
CN2	47.5	357	−P	07 39 54.8	−1.5
MDJ	48.2	1	eP	07 40 02.3	0.3
LSA	48.9	315	eP	07 40 07.0	−0.9
GTA	50.5	331	−P	07 40 20.0	0.3
WMQ	60.0	327	P	07 41 26.5	−1.3
			PMZ		1.2 0.14
			S	07 49 29.0	1.6
			sS	07 50 20.8	0.1
			eScS	07 51 02.0	1.0
KSH	64.7	317	eP	07 42 00.0	0.8
			eS	07 50 26.0	−2.2

1985 8 13
O = 08 27 37.2 ± 0.20s
LAT = 4.36 S ± 1.86km
LONG = 152.82 E ± 1.58km
DEPTH = 45 km ± 1.97km
STATIONS USED = 59, STAND DEV = 2.26s
Ms = 4.8 / 2,

QZH	44.2	313	eP	08 35 44.0	−0.1
SSE	46.4	322	eP	08 36 02.0	0.4
			eS	08 42 46.0	0.8

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			eSS	08 46 08.0	4.8		
			LE	Ms=4.8		18.0	0.63
NJ2	48.5	321	−P	08 36 19.0	0.9		
			LZ	Ms=4.7		20.0	0.50
TIA	52.4	323	eP	08 36 46.6	−0.9		
MDJ	53.0	339	eP	08 36 51.0	−1.3		
CN2	53.9	336	eP	08 36 57.0	−1.9		
GYA	54.1	307	eP	08 37 02.2	1.4		
BJI	55.5	326	eP	08 37 08.0	−2.7		
TIY	56.2	322	eP	08 37 15.0	−0.6		
XAN	56.3	316	eP	08 37 15.2	−1.2		
CD2	58.5	310	eP	08 37 34.4	2.8		
BTO	59.5	323	eP	08 37 37.6	−1.0		
LZH	60.9	316	eP	08 37 48.5	−0.2		
GTA	65.3	317	P	08 38 18.1	0.3		
LSA	68.0	304	eP	08 38 39.4	4.4		
WMQ	75.4	317	−P	08 39 19.0	0.0		
KSH	82.6	311	eP	08 40 04.0	5.8		

1985 8 13
O=10 54 27.7 ± 0.05s
LAT=32.83 N ± 0.34km
LONG=104.34 E ± 0.70km
DEPTH= 14 km ± 0.00km
STATIONS USED = 6, STAND DEV= 1.89s

M_L=3.5/ 4,

CD2	2.0	195	ePn	10 55 01.5	0.3		
			Pg	10 55 03.6	1.0		
			Sg	10 55 33.2	3.5		
			SMN	M_L=3.2		1.0	0.25
			SME			1.0	0.18
LZH	3.3	353	ePn	10 55 20.0	0.8		
			eSn	10 55 58.0	−1.7		
			SMN	M_L=3.6		1.0	0.17
			SME			1.0	0.22
XAN	4.0	71	Pn	10 55 30.2	0.9		
			Pg	10 55 38.8	0.1		
			Sn	10 56 16.6	−1.5		
			Sg	10 56 32.5	−1.2		
GYA	6.7	162	ePn	10 56 06.4	0.7		

1985 8 13
O=13 49 12.6 ± 0.04s
LAT=37.92 N ± 0.81km
LONG= 21.24 E ± 0.78km
DEPTH= 58 km ± 0.47km
STATIONS USED = 39, STAND DEV= 1.01s

KSH	42.2	70	eP	13 57 03.0	1.0		
			S	14 03 19.0	2.6		
WMQ	49.4	61	eP	13 57 58.3	−0.7		
			PcP	13 59 23.5	3.6		
			eS	14 05 01.5	1.2		
LSA	57.5	76	eP	13 58 57.0	−2.0		
GTA	59.4	62	P	13 59 12.6	0.1		
CD2	66.3	68	eP	13 59 58.0	−0.1		
HHC	66.7	56	eP	14 00 00.0	−0.5		
XAN	68.4	63	eP	14 00 10.2	−1.0		
KMI	68.6	74	eP	14 00 13.5	0.9		
TIY	68.9	58	eP	14 00 14.4	0.2		
BJI	70.1	54	P	14 00 20.0	−1.5		
GYA	70.9	71	eP	14 00 26.0	−0.2		
CN2	73.7	47	+P	14 00 42.0	−0.5		
QZN	77.5	76	eP	14 01 04.8	0.3		

1985 8 13
O=14 05 18.8 ± 0.11s
LAT=44.09 N ± 1.36km
LONG= 84.40 E ± 1.14km
DEPTH= 21 km ± 0.37km
STATIONS USED = 17, STAND DEV= 2.86s

M_L=3.9/ 6,

WMQ	2.4	95	Pn	14 06 00.4	2.8		
			Sg	14 06 36.8	2.7		
GTA	12.4	107	eP	14 08 14.6	−3.3		
			SMN			1.2	0.050
			SME			1.2	0.040
TIY	22.1	97	eP	14 10 16.2	1.6		

1985 8 13
O=17 24 40.1 ± 0.09s
LAT=39.75 N ± 0.99km
LONG=118.62 E ± 0.75km
DEPTH= 8 km ± 0.09km
STATIONS USED = 5, STAND DEV= 3.09s

M_L=3.3/ 5,

BJI	1.9	279	cPg	17 25 14.0	0.2		
			eSg	17 25 40.0	0.2		
			SMN	M_L=3.4		0.5	0.30
			SME			0.5	0.41
DL2	2.5	109	cPg	17 25 26.0	2.0		
			SMN	M_L=2.7		0.6	0.050
			SME			0.5	0.040
TIA	3.7	199	cPn	17 25 37.1	−1.3		
			Pg	17 25 50.0	4.0		
			Sg	17 26 32.4	−4.6		
			SMN	M_L=2.8		0.8	0.020
			SME			1.0	0.030

1985 8 14
O=03 23 12.0 ± 0.04s

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LAT=42.24 N ± 0.48km
LONG= 87.64 E ± 0.42km
DEPTH= 17 km ± 0.28km
STATIONS USED = 6, STAND DEV= 2.66s
M_L=3.8/ 6,

WMQ	1.6	2	−iPg	03 23 40.0	−0.1			
			Sg	03 24 01.9	0.3			

1985 8 14
O=04 10 40.5 ± 0.06s
LAT=31.99 S ± 1.23km
LONG=178.54 W ± 2.01km
DEPTH= 36 km ± 0.44km
STATIONS USED = 36, STAND DEV= 1.38s

NJ2	86.9	311	+P	04 23 24.0	0.3			
CN2	91.1	323	eP	04 23 41.4	−2.3			
GYA	91.9	300	P	04 23 47.6	0.0			
TIY	94.6	312	P	04 24 00.0	0.4			
XAN	94.7	307	eP	04 24 00.3	0.2			

1985 8 14
O=06 08 14.3 ± 0.07s
LAT=25.96 N ± 1.35km
LONG=129.12 E ± 1.07km
DEPTH= 44 km ± 0.38km
STATIONS USED = 77, STAND DEV= 1.43s
Ms=4.5/ 16, m_B=5.4/ 2

SSE	8.7	308	eP	06 10 19.0	−0.9			
			sP	06 10 29.7	−4.3			
			eS	06 11 54.0	−2.5			
			esS	06 12 03.0	−5.2			
			LE	Ms=4.4		10.0	1.99	
			LZ	Ms=4.3		10.0	1.97	
QZH	9.6	266	eP	06 10 30.5	−2.1			
			epP	06 10 37.0	−2.6			
			sP	06 10 42.0	−4.7			
			eS	06 12 14.5	−4.8			
			LE	Ms=4.4		18.0	3.46	
NJ2	10.8	306	+P	06 10 52.1	2.1			
			LE	Ms=4.4		10.0	1.50	
WHN	13.8	293	eP	06 11 26.6	−2.9			
			eS	06 14 05.0	3.3			
			LG_1	06 15 30.0	2.3			
			LN	Ms=4.7		10.0	2.21	
			LZ	Ms=4.0		16.0	0.66	
TIA	14.5	318	eP	06 11 40.4	1.9			
SNY	16.5	345	+P	06 12 04.6	0.5			
			eS	06 15 04.0	−0.4			
			LN	Ms=4.4		20.0	1.21	
			LE			18.0	0.82	

BJI	17.7	326	eP	06 12 21.0	1.3			
			epP	06 12 28.0	−0.6			
			eS	06 15 38.0	5.1			
			SMN	m_B=5.3		10.0	0.41	
			SME			7.0	0.82	
			esS	06 15 49.0	1.5			
			LN	Ms=4.5		14.0	1.10	
			LE			13.0	0.44	
CN2	18.0	351	−P	06 12 23.0	−0.7			
TIY	18.4	314	−iP	06 12 28.5	0.8			
			pP	06 12 36.5	−0.1			
			PP	06 12 44.5	1.9			
MDJ	18.6	1	eP	06 12 31.5	0.8			
QZN	19.1	253	−P	06 12 39.0	2.7			
			sP	06 12 51.0	0.0			
			S	06 16 06.0	2.9			
			LE	Ms=4.6		21.0	2.00	
XAN	19.2	299	+P	06 12 36.2	−1.8			
			PMZ			1.4	0.17	
GYA	20.2	276	P	06 12 48.0	0.0			
			pP	06 12 57.0	−1.0			
			S	06 16 31.0	4.8			
			SMN	m_B=5.5		6.0	0.90	
			SME			6.0	0.60	
			LE	Ms=4.5		12.0	0.80	
HHC	20.8	320	+P	06 12 56.0	1.2			
BTO	21.6	317	eP	06 13 03.4	0.9			
			S	06 16 54.0	1.2			
			LN	Ms=4.6		15.0	0.50	
			LE			15.0	0.90	
			LZ	Ms=4.6		15.0	1.10	
CD2	22.8	288	eP	06 13 14.1	−0.7			
			eS	06 17 14.0	−2.5			
			LZ	Ms=4.8		15.0	1.75	
KMI	23.8	274	−P	06 13 26.5	1.9			
			pP	06 13 36.0	0.9			
			eS	06 17 40.0	5.8			
			LE	Ms=4.6		13.0	0.90	
LZH	23.8	301	eP	06 13 25.5	0.7			
			PMZ			2.5	0.20	
GTA	27.9	306	P	06 14 02.4	−0.8			
			LE	Ms=4.4		10.0	0.30	
LSA	33.7	285	eP	06 14 54.4	0.2			
WMQ	37.9	309	P	06 15 31.5	1.8			
			eS	06 21 20.3	2.5			
			sS	06 21 35.5	−1.3			
			SS	06 23 59.7	5.0			
			LZ	Ms=4.7		4.0	0.14	

1985 8 14

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O = 09 21 07.2 ± 0.08s
LAT = 42.36 N ± 0.79km
LONG = 82.66 E ± 0.73km
DEPTH = 23 km ± 0.60km
STATIONS USED = 17, STAND DEV = 2.35s
M_L = 4.0 / 8,

WMQ	4.0	67	cPn	09 22 10.4	3.2		
			Pg	09 22 20.0	2.8		
			Sn	09 23 00.0	5.3		
			Sg	09 23 11.0	−0.5		
			SMN	M_L = 4.0		0.6	0.28
			SME			0.6	0.37
KSH	5.8	242	cPn	09 22 38.0	5.0		
GTA	13.3	97	eP	09 24 18.0	0.2		
			LN			1.2	0.030
GYA	25.2	121	eP	09 26 34.6	1.0		

1985 8 14
O = 22 05 27.4 ± 0.08s
LAT = 36.08 N ± 1.19km
LONG = 71.07 E ± 1.00km
DEPTH = 123 km ± 0.25km
STATIONS USED = 12, STAND DEV = 1.93s

KSH	5.1	48	P	22 06 45.0	1.1		
			eS	22 07 42.0	−0.6		
WMQ	14.9	54	eP	22 08 50.7	−2.4		
			sP	22 09 26.2	−0.8		
			S	22 11 36.0	1.4		
GTA	22.9	73	eP	22 10 25.9	4.0		

1985 8 15
O = 02 33 40.1 ± 0.08s
LAT = 40.55 N ± 0.85km
LONG = 122.87 E ± 0.76km
DEPTH = 16 km ± 0.45km
STATIONS USED = 5, STAND DEV = 3.72s
M_L = 2.7 / 5,

SNY	1.4	23	+iPg	02 34 02.8	−1.8		
			Sg	02 34 20.0	−3.6		
			SMN	M_L = 2.7		0.3	0.12
			SME			0.3	0.10
DL2	1.9	211	cPg	02 34 14.5	0.7		
			Sg	02 34 40.5	0.6		
			SMN	M_L = 2.9		0.4	0.090
			SME			0.4	0.15
CN2	3.8	30	ePg	02 34 49.6	2.9		
			eSg	02 35 34.6	−3.6		
			SMN	M_L = 2.7		0.6	0.010
			SME			0.6	0.030

1985 8 15
O = 04 28 46.6 ± 0.09s
LAT = 46.99 N ± 1.20km
LONG = 17.96 E ± 0.84km
DEPTH = 7 km ± 0.25km
STATIONS USED = 15, STAND DEV = 1.52s
Ms = 5.3 / 2,

WMQ	47.6	67	+P	04 37 28.0	2.6		
GTA	57.6	65	P	04 38 39.1	−1.0		
CD2	65.4	70	eP	04 39 33.0	0.1		
XAN	66.6	65	eP	04 39 38.7	−1.9		
			LN	Ms = 5.3		12.0	0.50
			LE			12.0	0.50
BJI	66.9	56	eP	04 39 43.0	0.6		
			LN	Ms = 5.3		14.0	0.83
CN2	69.3	48	−P	04 39 58.3	1.2		
GYA	70.3	72	P	04 40 05.2	1.6		

1985 8 15
O = 15 18 45.4 ± 0.14s
LAT = 28.03 N ± 1.24km
LONG = 141.00 E ± 1.11km
DEPTH = 32 km ± 0.65km
STATIONS USED = 16, STAND DEV = 1.27s

TIA	21.8	298	eP	15 23 36.0	−0.5
WHN	23.4	283	eP	15 23 52.0	−0.2
BJI	23.7	307	P	15 23 54.5	−1.2
TIY	25.8	299	eP	15 24 16.0	0.5
XAN	28.1	290	eP	15 24 35.0	−1.4
GYA	30.5	275	P	15 24 57.8	−0.5
CD2	32.5	284	eP	15 25 14.5	−0.9
GTA	35.8	299	eP	15 25 43.2	−1.1

1985 8 15
O = 16 45 25.4 ± 0.13s
LAT = 11.22 N ± 1.74km
LONG = 140.34 E ± 2.27km
DEPTH = 63 km ± 0.62km
STATIONS USED = 68, STAND DEV = 1.76s
Ms = 4.9 / 14,

QZH	24.7	306	−P	16 50 43.5	1.1		
			LE	Ms = 4.3		14.0	0.44
SSE	26.6	321	eP	16 51 00.5	0.8		
			S	16 55 30.0	3.5		
			sS	16 55 58.0	5.5		
			LN	Ms = 5.0		14.0	1.17
			LE			14.0	1.28
			LZ	Ms = 4.9		16.0	1.55
NJ2	28.7	320	eP	16 51 18.8	0.0		
			LE	Ms = 4.7		19.0	1.10

QZN	30.4	288	eP	16 51 33.0	−1.2		
WHN	30.8	312	eP	16 51 39.0	1.0		
DL2	32.2	332	eP	16 51 50.0	−0.2		
			LZ	Ms=4.9		14.0	1.01
TIA	32.5	324	eP	16 51 53.6	0.6		
			LN	Ms=4.8		15.0	0.90
SNY	33.8	337	eP	16 52 02.9	−1.3		
			eS	16 57 18.0	−4.4		
			LN	Ms=5.0		17.0	1.00
			LE			18.0	1.41
MDJ	34.5	346	eP	16 52 05.5	−4.7		
			eS	16 57 42.0	8.7		
			LZ	Ms=5.0		16.0	1.47
CN2	34.9	341	−P	16 52 12.8	−0.7		
			eS	16 57 43.0	3.8		
			LN	Ms=5.0		18.0	1.40
GYA	35.2	300	P	16 52 18.0	2.5		
BJI	35.8	328	eP	16 52 20.5	−0.4		
			eS	16 57 53.0	0.4		
			LN	Ms=5.0		16.0	1.34
			LE			16.0	0.45
TIY	36.4	321	P	16 52 26.0	0.3		
			PP	16 53 49.0	0.0		
			LN	Ms=4.9		15.0	0.57
			LE			15.0	0.65
XAN	36.6	313	eP	16 52 27.2	−0.4		
KMI	38.2	296	eP	16 52 42.0	1.1		
			LE	Ms=4.8		15.0	0.67
HHC	38.9	324	eP	16 52 48.0	1.1		
CD2	39.1	306	eP	16 52 48.9	0.3		
			eS	16 58 51.0	7.8		
BTO	39.6	323	eP	16 52 53.2	0.2		
			eS	16 58 55.0	3.8		
			LN	Ms=5.0		20.0	1.10
			LE			20.0	0.80
			LZ	Ms=5.1		20.0	1.70
LZH	41.2	313	eP	16 53 07.0	0.8		
			PMZ			2.0	0.060
GTA	45.6	315	P	16 53 41.5	0.0		
			eS	17 00 25.0	6.8		
LSA	49.2	300	eP	16 54 09.0	−1.3		
WMQ	55.6	316	+P	16 54 57.0	−0.9		

1985 8 15
O=21 43 46.0 ± 0.08s
LAT= 6.96 S ± 1.51km
LONG=106.17 E ± 1.50km
DEPTH= 88 km ± 0.74km
STATIONS USED = 29, STAND DEV= 1.70s

GYA	33.2	1	P	21 50 20.0	2.9		
CD2	37.7	357	eP	21 50 54.8	−0.4		
XAN	40.9	3	eP	21 51 20.0	−1.2		
TIY	44.8	7	P	21 51 53.4	−0.1		
BJI	47.7	10	eP	21 52 15.0	−0.8		
			ePcP	21 53 44.5	0.7		
WMQ	53.2	343	P	21 52 56.0	−2.3		
CN2	53.5	17	+P	21 52 57.6	−2.2		
			pP	21 53 16.4	−4.6		
			PcP	21 54 05.2	0.2		
KSH	54.0	331	eP	21 53 03.0	−0.7		
			eS	22 00 33.0	1.6		

1985 8 15
O=22 11 55.6 ± 0.15s
LAT=15.27 S ± 4.15km
LONG= 67.00 E ± 3.07km
DEPTH= 9 km ± 0.16km
STATIONS USED = 57, STAND DEV= 2.36s
Ms=5.4/17, m_B=5.5/ 6

LSA	50.4	28	eP	22 20 56.5	0.1		
			eS	22 28 11.0	1.7		
			SMN	m_B=5.5		11.0	0.67
KMI	53.2	41	eP	22 21 16.5	−0.3		
			S	22 28 50.0	5.1		
			LE	Ms=5.4		20.0	2.39
QZN	54.2	52	eP	22 21 29.0	4.6		
			S	22 29 05.0	5.6		
			SMN	m_B=5.8		11.0	0.90
			SME			11.5	1.10
			LN	Ms=5.6		19.0	1.40
			LE			19.0	2.70
KSH	55.1	8	eP	22 21 31.0	0.1		
			eS	22 29 10.0	−2.3		
			SME			13.0	2.30
GYA	56.6	43	P	22 21 41.0	−1.0		
			S	22 29 37.0	5.5		
			LN	Ms=5.6		18.0	1.90
			LE			18.0	2.10
CD2	57.9	37	eP	22 21 48.1	−3.1		
			eS	22 29 49.0	−1.0		
			LZ	Ms=5.3		25.0	1.97
GZH	59.2	51	eP	22 22 03.0	2.8		
			eS	22 30 16.0	9.1		
			LN	Ms=5.3		12.0	0.70
			LE			12.0	0.40
WMQ	61.8	17	eP	22 22 17.0	−0.7		
			PcP	22 22 56.7	−0.9		
			S	22 30 45.0	6.8		
			LE	Ms=5.4		20.0	1.64
LZH	61.8	33	eP	22 22 16.5	−1.6		

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			PMZ			2.5	0.090
GTA	62.4	28	P	22 22 20.8	−1.3		
			S	22 30 48.0	1.6		
			SMN	m_B = 5.4		10.0	0.40
			LZ	Ms = 5.4		24.0	1.96
XAN	63.2	38	eP	22 22 25.0	−2.2		
			eS	22 30 51.0	−6.8		
			LN	Ms = 5.4		20.0	1.80
QZH	64.2	52	eP	22 22 35.0	1.1		
			eS	22 31 10.0	−0.3		
			LN	Ms = 5.6		18.0	2.03
WHN	64.4	45	eP	22 22 36.0	1.0		
TIY	67.8	38	eP	22 22 56.4	−0.4		
			S	22 31 57.5	5.0		
			SMN	m_B = 5.6		11.0	0.46
			SME			12.0	0.41
			LN	Ms = 5.6		15.0	0.80
			LE			16.0	1.54
NJ2	68.4	46	eP	22 23 01.0	0.6		
			LZ	Ms = 5.2		26.0	1.30
BTO	68.4	34	eP	22 23 00.5	−0.2		
			S	22 31 59.0	−0.9		
			LN	Ms = 5.2		15.0	0.60
			LE			15.0	0.30
SSE	69.5	48	eP	22 23 08.0	0.7		
			LN	Ms = 5.6		16.0	1.72
TIA	69.7	41	eP	22 23 07.0	−1.6		
			eS	22 32 19.5	2.8		
			SMN	m_B = 5.6		10.0	0.57
			LN	Ms = 5.0		22.0	0.57
BJI	71.5	38	eP	22 23 19.5	−0.1		
			eS	22 32 41.0	3.2		
			SMN	m_B = 5.3		10.0	0.26
			LN	Ms = 5.6		20.0	1.38
			LE			20.0	1.50
DL2	74.2	41	eP	22 23 34.0	−1.3		
SNY	77.1	40	eP	22 23 50.2	−1.6		
			LN	Ms = 5.2		22.0	0.81
MDJ	82.3	40	eP	22 24 17.2	−2.6		
			eS	22 34 34.0	−0.8		
			LZ	Ms = 5.6		22.0	1.87

1985 8 15

O = 23 22 52.0 ± 0.07s
LAT = 24.91 N ± 1.19km
LONG = 123.55 E ± 0.81km
DEPTH = 121 km ± 0.87km
STATIONS USED = 62, STAND DEV = 1.45s

QZH	4.5	272	cP	23 23 57.5	−2.0		
			S	23 24 45.0	−5.9		
SSE	6.5	342	+iP	23 24 27.3	0.6		
			PMZ			0.6	0.19
			cS	23 25 45.0	5.0		
NJ2	8.2	331	+P	23 24 50.0	−0.1		
			S	23 26 23.6	2.0		
WHN	9.9	307	P	23 25 13.0	0.7		
TIA	12.5	335	cP	23 25 49.6	2.1		
GYA	15.3	279	P	23 26 26.0	3.0		
			S	23 29 06.0	−2.8		
			LN			14.0	1.00
			LE			14.0	1.10
XAN	15.6	309	+P	23 26 27.2	0.1		
TIY	15.9	326	P	23 26 32.8	2.4		
			PMZ			1.0	0.060
			cS	23 29 32.0	9.1		
BJI	16.3	339	cP	23 26 37.0	1.6		
SNY	16.9	0	cP	23 26 44.0	1.6		
CD2	18.5	293	−iP	23 27 00.6	−0.7		
HHC	18.8	331	+iP	23 27 05.6	0.8		
KMI	18.9	275	cP	23 27 05.5	−0.2		
CN2	18.9	4	+P	23 27 06.2	0.2		
BTO	19.3	327	cP	23 27 10.7	0.3		
LZH	20.3	308	−P	23 27 20.5	0.1		
			PMZ			2.0	0.11
MDJ	20.3	13	cP	23 27 16.0	−4.2		
GTA	24.7	312	−P	23 28 02.6	−0.7		
WMQ	34.7	312	P	23 29 32.0	−1.0		

1985 8 16

O = 00 25 39.5 ± 0.14s
LAT = 28.10 N ± 3.17km
LONG = 141.13 E ± 2.80km
DEPTH = 115 km ± 1.36km
STATIONS USED = 16, STAND DEV = 2.32s

DL2	19.5	309	cP	00 30 04.1	4.3		
NJ2	19.7	287	+P	00 30 02.3	0.4		
TIA	21.8	298	cP	00 30 22.3	−1.6		
WHN	23.5	282	cP	00 30 40.5	0.9		
BJI	23.8	307	P	00 30 40.0	−2.6		
XAN	28.1	290	cP	00 31 22.6	−0.7		
GYA	30.6	275	P	00 31 43.4	−2.0		
CD2	32.6	284	P	00 32 03.4	1.2		
GTA	35.9	299	P	00 32 30.8	0.1		
WMQ	45.2	305	cP	00 33 48.5	1.0		

1985 8 16

O = 01 51 36.5 ± 0.13s
LAT = 28.08 N ± 2.17km
LONG = 140.92 E ± 2.10km
DEPTH = 33 km ± 0.15km

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STATIONS USED = 51, STAND DEV= 2.07s
Ms=4.4/ 4,

SSE	17.4	285	eP	01 55 42.0	3.2	
			S	01 58 57.0	7.6	
DL2	19.3	309	eP	01 56 06.6	4.5	
			LN	Ms=4.4	12.0	0.67
NJ2	19.5	287	eP	01 56 03.0	−0.8	
CN2	20.0	326	P	01 56 14.8	5.2	
TIA	21.7	298	eP	01 56 25.3	−1.3	
WHN	23.3	283	eP	01 56 43.5	1.1	
			sS	02 01 03.0	−0.5	
			LE	Ms=4.5	16.0	0.84
BJI	23.6	307	eP	01 56 44.0	−1.9	
			eS	02 00 55.0	−0.1	
			LN	Ms=4.0	11.0	0.19
TIY	25.7	299	P	01 57 06.0	0.3	
			eS	02 01 29.5	−0.5	
			LN	Ms=4.4	11.0	0.33
			LE		11.0	0.25
HHC	27.2	306	eP	01 57 16.3	−3.5	
XAN	28.0	290	eP	01 57 24.9	−1.8	
BTO	28.3	304	eP	01 57 28.8	−0.5	
GYA	30.4	275	+P	01 57 50.6	1.9	
LZH	32.3	294	eP	01 58 04.0	−0.8	
CD2	32.4	284	eP	01 58 04.6	−1.1	
GTA	35.7	299	eP	01 58 33.0	−1.6	
WMQ	45.1	305	P	01 59 51.0	−0.9	

1985 8 16
O=03 56 18.0 ± 0.25s
LAT=28.12 N ± 2.62km
LONG=141.39 E ± 3.88km
DEPTH= 34 km ± 0.51km
STATIONS USED = 16, STAND DEV= 2.58s
m_B=5.2/ 1

TIA	22.0	298	eP	04 01 09.8	−1.8	
WHN	23.7	282	eP	04 01 29.0	1.3	
			S	04 05 45.0	8.5	
			SME	m_B=5.2	11.0	0.71
BJI	23.9	306	eP	04 01 30.0	−0.3	
XAN	28.4	290	eP	04 02 08.0	−3.5	
GYA	30.8	275	P	04 02 38.3	4.5	
CD2	32.8	284	eP	04 02 49.0	−1.5	
GTA	36.1	299	eP	04 03 17.1	−1.8	
WMQ	45.4	305	eP	04 04 32.0	−3.9	

1985 8 16
O=05 49 04.6 ± 0.06s
LAT= 2.69 N ± 0.46km
LONG=128.68 E ± 0.76km
DEPTH=231 km ± 0.78km
STATIONS USED = 19, STAND DEV= 0.72s

WHN	30.8	335	eP	05 55 01.5	−0.1
XAN	36.2	332	eP	05 55 46.8	−0.9
CD2	36.6	323	eP	05 55 51.3	0.2
BJI	38.9	345	eP	05 56 09.0	−0.6
LZH	40.4	328	eP	05 56 23.0	0.7
GTA	45.0	328	P	05 56 59.9	0.6

1985 8 16
O=08 12 31.5 ± 0.08s
LAT=38.39 N ± 1.42km
LONG= 73.27 E ± 1.04km
DEPTH=102 km ± 0.32km
STATIONS USED = 35, STAND DEV= 1.76s
M_L=4.6/ 4,

KSH	2.4	62	+iP	08 13 13.0	3.2	
			eS	08 13 41.0	2.7	
			SME	M_L=5.5	1.0	28.3
WMQ	12.2	59	+iP	08 15 20.5	−2.0	
			S	08 17 30.0	−5.8	
			LN		2.5	0.47
LSA	17.1	115	eP	08 16 29.0	2.4	
GTA	20.7	79	P	08 17 06.0	0.6	
CD2	26.1	97	eP	08 17 59.3	1.6	
XAN	29.0	88	eP	08 18 22.6	−1.3	
GYA	30.4	103	eP	08 18 39.4	2.4	

1985 8 16
O=09 28 33.5 ± 0.10s
LAT=33.42 N ± 0.75km
LONG=102.19 E ± 0.97km
DEPTH= 23 km ± 0.32km
STATIONS USED = 10, STAND DEV= 3.04s
M_L=3.4/ 7,

CD2	2.8	152	ePg	09 29 23.3	−0.5	
LZH	3.0	27	ePg	09 29 28.5	1.7	
			eSg	09 30 05.0	−2.5	
			SMN	M_L=3.7	1.5	0.29
			SME		2.0	0.27
XAN	5.6	82	ePn	09 29 55.5	−1.1	
			Pg	09 30 14.9	1.7	
			Sg	09 31 29.5	−1.0	
			SMN	M_L=3.4	1.0	0.040
			SME		1.0	0.020
GTA	6.3	343	ePn	09 30 10.3	4.9	

1985 8 16
O=09 41 30.3 ± 0.08s
LAT=28.02 N ± 1.60km

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LONG = 140.83 E ± 1.49km
DEPTH = 34 km ± 0.40km
STATIONS USED = 40, STAND DEV = 1.34s
Ms = 4.3 / 9, m_B = 5.3 / 1

SSE	17.4	285	eP	09 45 34.0	2.3		
			sS	09 48 58.0	3.8		
			LZ	Ms = 4.1		18.0	0.58
DL2	19.3	309	P	09 45 55.0	−0.5		
			S	09 49 30.0	4.4		
			LN	Ms = 4.4		12.0	0.67
NJ2	19.4	287	+P	09 45 57.8	0.9		
SNY	19.7	319	eP	09 45 59.5	−0.2		
			sS	09 49 52.5	5.7		
			LN	Ms = 4.3		12.0	0.36
			LE			11.0	0.44
CN2	20.0	326	eP	09 46 06.3	2.9		
			eS	09 49 49.6	7.6		
			LE	Ms = 4.5		10.0	0.70
QZH	20.1	266	eP	09 46 06.0	1.6		
			eS	09 49 40.0	−4.1		
			LN	Ms = 4.2		6.0	0.21
TIA	21.6	298	P	09 46 20.0	0.1		
WHN	23.2	283	eP	09 46 36.5	1.0		
			sS	09 50 56.0	−0.1		
			SME	m_B = 5.3		10.0	0.88
			LE	Ms = 4.3		15.0	0.56
BJI	23.6	307	eP	09 46 37.5	−1.8		
			eS	09 50 55.0	6.7		
			LN	Ms = 4.3		12.0	0.27
			LE			14.0	0.28
TIY	25.7	299	eP	09 46 59.0	0.0		
			LN	Ms = 4.3		11.0	0.13
			LE			11.0	0.31
HHC	27.2	306	+P	09 47 13.0	−0.2		
XAN	27.9	290	+P	09 47 19.5	−0.4		
BTO	28.2	304	eP	09 47 22.0	−0.7		
GYA	30.4	275	P	09 47 41.6	−0.1		
CD2	32.3	284	eP	09 47 58.3	−0.5		
			S	09 53 12.0	3.5		
			LN	Ms = 4.9		12.0	0.85
GTA	35.7	299	P	09 48 27.8	−0.1		
WMQ	45.1	305	P	09 49 44.6	−0.8		

1985 8 16
O = 10 46 49.2 ± 0.12s
LAT = 37.23 N ± 1.63km
LONG = 59.39 E ± 1.15km
DEPTH = 13 km ± 0.37km
STATIONS USED = 85, STAND DEV = 1.26s
Ms = 5.6 / 26, m_B = 5.8 / 10

KSH	13.2	75	eP	10 49 56.0	−3.7		
			iS	10 52 21.0	−6.8		
			LE	Ms = 5.4		4.0	4.30
WMQ	22.4	64	−iP	10 51 50.6	0.8		
			S	10 55 56.0	5.8		
			SMN	m_B = 6.1		8.0	6.33
			LN	Ms = 5.6		18.0	12.4
LSA	27.4	97	P	10 52 36.9	−0.9		
			LN	Ms = 5.5		14.0	4.32
			I E			13.0	4.43
GTA	31.6	73	+iP	10 53 15.8	1.1		
			S	10 58 28.0	6.7		
			SMN	m_B = 5.6		6.5	0.73
			LN	Ms = 5.7		9.0	4.49
LZH	35.4	78	+P	10 53 48.5	0.6		
			PMZ			2.0	0.080
			cPP	10 55 09.0	2.1		
			isS	10 59 28.0	−3.5		
			LN	Ms = 5.8		16.0	7.01
			LE			14.0	5.13
CD2	37.0	86	eP	10 54 02.3	1.1		
			iS	10 59 50.8	4.4		
			SMN	m_B = 5.9		6.0	1.24
			LN	Ms = 5.1		12.0	1.10
KMI	38.7	96	+P	10 54 15.0	−0.3		
			PMZ			3.0	0.51
			PP	10 55 48.0	1.0		
			S	11 00 13.0	2.4		
			ScS	11 04 18.0	−4.5		
			LE	Ms = 5.4		16.0	3.30
BTO	39.1	69	P	10 54 19.0	0.4		
			pP	10 54 24.0	−0.4		
			ePP	10 55 53.0	1.3		
			S	11 00 19.0	2.2		
			SS	11 03 04.0	3.1		
			LN	Ms = 5.6		11.0	2.70
			LE			11.0	1.60
			LZ	Ms = 5.6		13.0	3.60
XAN	40.0	79	+P	10 54 26.3	0.1		
			S	11 00 36.0	5.4		
			SMN	m_B = 5.7		6.0	0.81
			eSS	11 03 27.0	5.9		
			LN	Ms = 5.6		10.0	2.10
			LE			10.0	1.89
HHC	40.2	68	P	10 54 28.8	1.1		
			S	11 00 39.0	5.7		
			LN	Ms = 5.8		11.0	3.87
			LE			12.0	2.61
GYA	41.2	91	+P	10 54 36.0	0.0		
			PP	10 56 19.0	5.4		

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			S	11 00 51.0	2.8		
			LN	Ms=5.4		16.0	1.60
			LE			16.0	2.00
TJY	41.6	73	+P	10 54 40.0	0.6		
BJI	43.8	68	eP	10 54 57.5	0.4		
			ePcP	10 56 43.5	0.0		
			eS	11 01 32.0	4.6		
			SMN	m_B=5.2		11.0	0.43
			LN	Ms=5.7		11.0	3.10
			LE			12.0	1.85
WHN	45.6	82	+P	10 55 11.5	0.2		
			PMZ			1.0	0.020
			sP	10 55 18.0	−2.1		
			S	11 01 56.0	4.1		
			SMN	m_B=5.5		10.0	0.65
			LN	Ms=5.5		16.0	2.79
TIA	45.7	73	+P	10 55 12.8	0.8		
			S	11 01 59.0	5.9		
			LN	Ms=5.7		14.0	3.80
			LE			11.0	0.88
			LZ	Ms=5.6		15.0	3.55
QZN	47.5	98	+P	10 55 26.0	−0.3		
			PP	10 57 21.5	5.0		
			eS	11 02 23.0	3.1		
			LN	Ms=5.6		16.0	1.90
			LE			16.0	2.60
GZH	48.1	91	−P	10 55 32.3	0.8		
			S	11 02 33.0	4.7		
			SMN	m_B=5.8		5.0	0.63
			SME			6.0	0.44
			LN	Ms=5.4		13.0	1.00
			LE			13.0	1.35
DL2	48.2	68	P	10 55 32.0	0.2		
			pP	10 55 37.0	−0.8		
			S	11 02 34.5	5.6		
			LN	Ms=5.6		13.0	1.53
			LE			13.0	2.33
NJ2	48.5	78	+P	10 55 34.6	0.2		
			S	11 02 39.0	5.4		
			LN	Ms=5.6		14.0	1.10
			LE			14.0	2.40
			LZ	Ms=5.5		14.0	2.00
SNY	48.7	64	eP	10 55 34.8	−1.1		
			PP	10 57 34.0	5.9		
			S	11 02 39.0	2.7		
			ScS	11 05 29.0	4.4		
			LN	Ms=5.8		11.0	3.24
			LE			11.0	1.32
CN2	49.5	61	+P	10 55 41.0	−0.7		
			pP	10 55 45.0	−2.6		
			ePP	10 57 36.0	0.4		
			eS	11 02 43.0	−4.9		
			SMN	m_B=5.5		7.0	0.50
			ScS	11 05 32.0	2.4		
			LN	Ms=5.9		12.0	4.40
SSE	50.7	78	P	10 55 51.5	0.2		
			PMZ			1.0	0.080
			pP	10 55 55.8	−1.4		
			S	11 03 09.0	4.8		
			SMN	m_B=6.0		12.0	2.52
			ScS	11 05 40.0	1.9		
			LN	Ms=5.6		11.0	1.31
			LE			11.0	1.33
MDJ	52.1	58	eP	10 56 00.9	−0.7		
			S	11 03 27.0	4.1		
			LE	Ms=5.9		9.0	2.87

1985 8 16

O=18 20 03.6 ± 0.22s
LAT=27.99 N ± 1.73km
LONG=140.97 E ± 3.00km
DEPTH= 31 km ± 0.36km
STATIONS USED = 16, STAND DEV= 1.81s
Ms=4.2/ 2,

DL2	19.4	309	eP	18 24 31.9	1.5		
			LN	Ms=4.1		12.0	0.33
NJ2	19.6	287	eP	18 24 33.4	1.5		
TIA	21.8	298	eP	18 24 54.6	−0.2		
BJI	23.7	307	eP	18 25 11.5	−2.6		
TIY	25.8	299	eP	18 25 32.0	−1.8		
			eS	18 29 58.0	−1.0		
			LN	Ms=4.2		11.0	0.20
			LE			12.0	0.21
XAN	28.1	290	eP	18 25 53.0	−1.7		
GYA	30.5	275	P	18 26 19.0	2.5		
CD2	32.4	284	eP	18 26 33.8	0.2		
GTA	35.8	299	eP	18 27 01.7	−1.0		
WMQ	45.2	305	eP	18 28 19.0	−1.0		

1985 8 16

O=19 39 35.7 ± 0.34s
LAT=27.51 N ± 1.76km
LONG=140.56 E ± 3.77km
DEPTH= 32 km ± 0.91km
STATIONS USED = 9, STAND DEV= 2.86s

DL2	19.5	311	eP	19 44 07.0	4.3
CN2	20.3	327	eP	19 44 13.8	1.8
TIA	21.7	299	eP	19 44 22.8	−3.1
BJI	23.7	308	eP	19 44 47.5	1.4
CD2	32.2	285	eP	19 46 02.8	−0.8

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GTA	35.7	300	eP	19 46 32.9	−1.1		

1985 8 17
O=02 49 52.7 ± 0.11s
LAT=41.74 N ± 1.10km
LONG= 79.35 E ± 1.19km
DEPTH= 14 km ± 0.23km
STATIONS USED = 32, STAND DEV= 2.22s
Ms=3.7/ 1, M_L=4.2/ 9,

KSH	3.4	230	cPg	02 50 57.0	3.4		
			SME			3.0	5.60
WMQ	6.5	68	Pn	02 51 31.5	3.3		
			Sn	02 52 47.0	2.9		
			LN			1.5	0.58
GTA	15.7	92	P	02 53 34.9	−1.0		
			LE	Ms=3.7		9.5	0.14
LZH	19.8	98	eP	02 54 26.0	−0.6		
CD2	22.4	111	eP	02 54 52.0	−0.3		
XAN	24.5	99	eP	02 55 13.4	0.4		
TIY	25.7	88	P	02 55 26.8	2.5		
GYA	27.1	116	P	02 55 38.4	0.6		

1985 8 17
O=05 21 45.9 ± 0.10s
LAT=29.82 N ± 0.71km
LONG=101.81 E ± 0.51km
DEPTH= 19 km ± 0.93km
STATIONS USED = 5, STAND DEV= 3.53s
M_L=3.4/ 3,

CD2	2.0	57	ePn	05 22 19.8	0.4		
			Pg	05 22 20.8	−0.6		
			Sn	05 22 44.4	−1.2		
			Sg	05 22 45.3	−3.6		
			SMN	M_L=3.2		0.6	0.25
			SME			0.6	0.12
GYA	5.4	127	ePg	05 23 25.0	2.8		

1985 8 17
O=07 46 55.1 ± 0.10s
LAT=28.12 N ± 1.91km
LONG=140.87 E ± 1.98km
DEPTH= 35 km ± 0.42km
STATIONS USED = 61, STAND DEV= 1.81s
Ms=4.8/ 18, m_B=5.4/ 2

SSE	17.4	285	eP	07 50 58.0	1.3		
			pP	07 51 08.0	3.4		
			eS	07 54 10.0	2.9		
			sS	07 54 22.0	2.4		
			LN	Ms=5.0		12.0	1.26
			LE			12.0	3.44
			LZ	Ms=4.8		12.0	1.98
DL2	19.3	309	eP	07 51 19.0	−0.9		
			eS	07 54 55.0	5.0		
			LN	Ms=4.8		11.0	1.56
NJ2	19.4	287	+P	07 51 21.9	0.2		
			LN	Ms=4.7		13.0	1.00
			LE			13.0	1.10
SNY	19.6	319	eP	07 51 22.3	−1.5		
			LN	Ms=4.8		11.0	1.02
			LE			11.5	1.48
CN2	20.0	326	eP	07 51 33.0	5.6		
			eS	07 55 14.0	8.8		
			LE	Ms=4.9		11.0	2.00
QZH	20.2	266	eP	07 51 29.0	−0.7		
			eS	07 55 13.0	3.4		
TIA	21.6	298	eP	07 51 43.3	−1.2		
			cPP	07 52 11.0	2.2		
			eS	07 55 40.5	3.4		
			SMN	m_B=5.3		8.5	0.72
			SME			9.0	0.61
			eSS	07 56 12.5	−0.9		
			LN	Ms=4.6		13.0	1.09
WHN	23.2	282	eP	07 52 00.5	0.2		
			sS	07 56 16.0	−5.5		
			LN	Ms=4.9		11.0	1.21
			LE			12.0	0.78
BJI	23.6	307	eP	07 52 02.0	−1.7		
			eS	07 56 16.0	3.8		
			SME			13.0	0.81
			eSS	07 57 05.0	4.6		
			LN	Ms=4.6		11.0	0.68
			LE			13.0	0.49
GZH	25.3	265	eP	07 52 22.0	1.7		
			S	07 56 48.0	7.2		
			SME	m_B=5.5		12.0	1.48
TIY	25.6	299	P	07 52 24.0	0.4		
			LN	Ms=4.7		13.0	0.82
			LE			11.0	0.50
HHC	27.2	306	eP	07 52 36.8	−0.9		
			LN	Ms=4.8		11.0	0.39
			LE			13.0	0.87
XAN	27.9	290	eP	07 52 42.5	−2.1		
			S	07 57 29.0	5.4		
			LN	Ms=4.8		14.0	1.00
BTO	28.2	304	eP	07 52 44.0	−3.1		
GYA	30.4	275	P	07 53 05.6	−1.1		
			S	07 58 04.0	1.2		
			LN	Ms=4.9		14.0	1.00
			LE			14.0	0.90
LZH	32.2	294	eP	07 53 21.5	−1.3		

CD2	32.3	284	eP	07 53 22.4	−1.2		
			pP	07 53 31.0	−2.1		
			S	07 58 33.5	0.3		
			LN	Ms=5.2		13.0	2.03
KMI	34.1	274	eP	07 53 39.0	−0.4		
			LE	Ms=4.8		18.0	1.09
GTA	35.7	299	P	07 53 51.5	−1.0		
			S	07 59 30.0	5.1		
			LN	Ms=4.9		14.0	0.93
WMQ	45.0	305	P	07 55 09.0	−0.8		
			eS	08 01 52.0	6.1		
			LN	Ms=5.0		13.0	0.82

1985 8 17
O=07 55 23.0 ± 0.12s
LAT=27.98 N ± 1.97km
LONG=141.01 E ± 2.32km
DEPTH= 38 km ± 0.40km
STATIONS USED = 17, STAND DEV= 2.11s

DL2	19.5	309	eP	07 59 54.4	4.8
SNY	19.8	319	eP	07 59 54.6	1.0
TIA	21.8	298	eP	08 00 11.8	−2.1
WHN	23.4	283	eP	08 00 29.0	−0.4
BJI	23.8	307	eP	08 00 32.0	−1.1
TIY	25.8	299	eP	08 00 52.3	−0.6
GYA	30.5	275	eP	08 01 37.3	1.8
CD2	32.5	284	eP	08 01 51.8	−0.8

1985 8 17
O=11 56 23.4 ± 0.07s
LAT=26.29 N ± 0.35km
LONG= 99.62 E ± 0.57km
DEPTH= 9 km ± 0.36km
STATIONS USED = 6, STAND DEV= 1.61s
M_L=2.6/ 5,

KMI	3.0	112	cPg	11 57 18.5	1.0		
			Sg	11 57 56.5	−2.3		
			SMN	M_L=3.1		1.5	0.070
			SME			1.5	0.060
GYA	2.8	146	Pn	12 05 30.4	0.3		
			Pg	12 05 36.0	1.0		
			Sg	12 06 14.0	1.0		
			SMN	M_L=3.4		0.7	0.24
			SME			0.6	0.21
XAN	6.2	32	Pn	12 05 30.4	0.3		
			Pg	12 05 36.0	1.0		
			Sg	12 06 14.0	1.0		
			SMN	M_L=3.4		1.0	0.15
			SME			1.0	0.18
XAN	6.2	32	ePn	12 06 18.9	1.3		
			Sg	12 08 01.0	−0.4		
			SMN	M_L=3.4		1.0	0.030
			SME			1.0	0.020

1985 8 17
O=12 54 04.9 ± 0.08s
LAT=28.13 N ± 1.91km
LONG=141.04 E ± 1.68km
DEPTH= 36 km ± 0.44km
STATIONS USED = 21, STAND DEV= 1.73s

DL2	19.4	309	eP	12 58 32.3	1.6
NJ2	19.6	287	+P	12 58 35.9	3.1
TIA	21.7	298	eP	12 58 54.9	−0.5
BJI	23.7	307	eP	12 59 13.0	−1.4
TIY	25.8	299	eP	12 59 32.8	−1.6
XAN	28.1	290	eP	12 59 54.8	−0.6
GYA	30.5	275	P	13 00 18.6	1.0
CD2	32.5	284	eP	13 00 34.0	−0.5
GTA	35.8	299	eP	13 01 01.7	−1.5
WMQ	45.1	305	eP	13 02 20.3	−0.1

1985 8 17
O=13 01 14.8 ± 0.04s
LAT=28.00 N ± 0.50km
LONG=140.84 E ± 0.72km
DEPTH= 33 km ± 0.11km
STATIONS USED = 6, STAND DEV= 1.16s

TIA	21.7	298	eP	13 06 03.4	−1.3
CD2	32.3	284	eP	13 07 44.4	0.8

1985 8 17
O=13 38 41.5 ± 0.08s
LAT=28.12 N ± 1.63km
LONG=140.88 E ± 1.40km
DEPTH= 34 km ± 0.23km
STATIONS USED = 48, STAND DEV= 1.35s
Ms=5.0/ 9,

TIA	21.6	298	+P	13 43 30.6	−0.5
			sP	13 43 42.0	−2.2
BJI	23.6	307	eP	13 43 49.5	−0.8
			epP	13 44 02.0	2.6
			esS	13 48 14.0	0.1

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			LN	Ms=5.0	12.0	1.51	
			LE		14.0	1.51	
TIY	25.6	299	eP	13 44 11.0	0.8		
			sP	13 44 22.0	−1.3		
			S	13 48 33.5	0.3		
			sS	13 48 57.0	7.9		
			LN	Ms=5.0	13.0	1.65	
			LE		12.0	1.10	
HHC	27.2	306	+P	13 44 23.4	−0.9		
XAN	27.9	290	eP	13 44 29.8	−1.4		
			pP	13 44 42.5	2.2		
BTO	28.2	304	eP	13 44 32.5	−1.3		
			pP	13 44 44.0	1.2		
			LN	Ms=4.8	12.0	0.80	
			LE		13.0	0.70	
			LZ	Ms=4.9	12.0	1.20	
LZH	32.2	294	eP	13 45 08.5	−0.9		
			PMZ		2.5	0.12	
			pP	13 45 21.0	2.6		
			LE	Ms=5.2	14.0	2.14	
CD2	32.3	284	eP	13 45 09.4	−0.9		
			eS	13 50 15.0	−6.1		
			sS	13 50 31.0	−5.5		
			LN	Ms=5.6	13.0	4.65	
GTA	35.7	299	P	13 45 38.6	−0.5		
			pP	13 45 51.5	3.1		
			LN	Ms=5.3	14.0	2.24	
LSA	43.3	285	eP	13 46 43.8	1.0		
			LE	Ms=4.7	15.0	0.47	
WMQ	45.0	305	P	13 46 56.0	−0.5		
			pP	13 47 08.0	2.1		
			sP	13 47 14.0	4.1		
			esS	13 53 50.0	1.6		
			LN	Ms=5.2	13.0	1.23	

1985 8 17
O=13 38 54.3 ± 0.13s
LAT=28.25 N ± 1.70km
LONG=140.80 E ± 2.13km
DEPTH= 33 km ± 0.25km
STATIONS USED = 32, STAND DEV= 1.92s
Ms=5.0/ 15, m_B=5.5/ 6

SSE	17.3	284	+iP	13 42 56.0	1.2		
			PMZ	m_B=5.4	12.0	2.04	
			cPP	13 43 05.0	−4.2		
			LN	Ms=5.0	11.0	1.36	
			LE		10.0	2.24	
MDJ	18.6	334	eP	13 43 10.5	−1.0		
			pP	13 43 20.0	1.0		
			SS	13 47 04.0	5.1		
			LE	Ms=5.0	15.0	3.64	
DL2	19.2	309	+P	13 43 18.0	0.2		
			eS	13 46 51.0	4.3		
			SME	m_B=5.5	6.0	1.11	
			LN	Ms=5.1	11.0	3.00	
			LE		11.0	1.83	
NJ2	19.3	287	+P	13 43 21.0	1.0		
			S	13 46 52.0	1.5		
			LN	Ms=5.0	12.0	1.70	
			LE		12.0	1.80	
SNY	19.5	318	eP	13 43 17.1	−4.6		
			LN	Ms=5.2	11.0	2.13	
			LE		11.5	3.02	
CN2	19.8	326	eP	13 43 23.6	−1.6		
			sP	13 43 35.0	−3.0		
			eS	13 47 03.0	1.3		
			LE	Ms=5.2	11.0	4.00	
QZH	20.1	266	−P	13 43 29.0	0.5		
			PMZ	m_B=5.5	6.0	1.35	
WHN	23.1	282	P	13 44 00.5	1.6		
			sP	13 44 13.0	1.1		
			S	13 48 10.0	6.5		
			SME	m_B=6.0	10.0	4.19	
			LE	Ms=5.0	12.0	2.08	
GZH	25.3	265	+P	13 44 20.0	0.8		
			S	13 48 45.0	5.4		
			LN	Ms=5.0	11.0	1.33	
			LE		10.0	0.80	
QZN	29.7	259	eP	13 45 02.0	1.9		
			eS	13 49 57.0	3.9		
			SMN	m_B=5.5	11.0	0.90	
			SME		11.0	1.00	
			LE	Ms=4.9	13.0	1.30	
GYA	30.3	275	P	13 45 04.6	−0.8		
			sP	13 45 22.0	3.5		
			PP	13 46 04.0	−0.4		
			S	13 50 02.0	0.6		
			LN	Ms=5.2	14.0	1.90	
			LE		14.0	1.90	
			LZ	Ms=5.3	14.0	3.10	
KMI	34.1	274	eP	13 45 37.0	−1.2		
			sP	13 45 52.5	1.3		
			S	13 51 00.0	0.2		
			LE	Ms=5.3	16.0	3.14	
KSH	53.9	300	eP	13 48 17.0	−0.7		
			cPP	13 50 20.0	0.4		
			eS	13 55 48.0	−1.9		

1985 8 17
O=15 17 14.8 ± 0.11s

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LAT=28.17 N ± 2.01km
LONG=141.00 E ± 2.23km
DEPTH= 33 km ± 0.37km
STATIONS USED = 44, STAND DEV= 1.83s

DL2	19.3	309	eP	15 21 40.4	0.0	
NJ2	19.5	287	eP	15 21 43.3	0.7	
SNY	19.7	318	eP	15 21 46.0	1.9	
CN2	20.0	325	eP	15 21 50.6	3.1	
TIA	21.7	298	+P	15 22 05.0	−0.1	
WHN	23.3	282	eP	15 22 25.0	3.8	
BJI	23.6	306	eP	15 22 23.5	−0.7	
TIY	25.7	299	eP	15 22 44.5	0.3	
XAN	28.0	290	−P	15 23 04.9	−0.4	
BTO	28.3	304	eP	15 23 06.3	−1.3	
GYA	30.5	275	P	15 23 28.8	1.2	
CD2	32.4	284	P	15 23 45.0	0.6	
GTA	35.7	299	P	15 24 12.3	−0.8	
WMQ	45.1	305	P	15 25 30.6	0.3	

1985 8 17
O=18 30 27.7 ± 0.12s
LAT=28.18 N ± 2.17km
LONG=140.91 E ± 2.25km
DEPTH= 36 km ± 0.41km
STATIONS USED = 90, STAND DEV= 2.05s
Ms=5.0/ 26, m_B=5.4/ 8

SSE	17.4	284	P	18 34 32.0	2.6		
			pP	18 34 40.0	2.6		
			eS	18 37 44.0	4.0		
			LN	Ms=4.7		14.0	1.98
			LZ	Ms=4.7		14.0	2.03
MDJ	18.7	334	eP	18 34 50.0	3.9		
			sP	18 35 04.0	5.2		
			LE	Ms=4.9		15.0	3.24
DL2	19.3	309	+P	18 34 52.5	0.2		
			eS	18 38 26.0	3.7		
			SME	m_B=5.4		7.0	1.10
			LN	Ms=5.0		11.0	2.40
			LE			11.0	1.11
NJ2	19.5	287	−P	18 34 56.3	1.9		
			pP	18 35 05.0	2.4		
			LN	Ms=4.9		13.0	1.60
			LE			13.0	1.40
SNY	19.6	318	eP	18 34 57.1	0.9		
			SS	18 38 58.0	1.0		
			LN	Ms=5.1		11.5	2.04
			LE			12.0	2.45
CN2	19.9	326	−P	18 35 03.4	3.8		
			pP	18 35 11.0	2.6		
			eS	18 38 45.0	7.9		
			PcP	18 39 13.4	−1.3		
			LE	Ms=5.1		11.0	3.10
QZH	20.2	266	−P	18 35 03.0	0.5		
			eS	18 38 44.0	1.2		
			SME	m_B=5.5		10.0	1.92
			sS	18 38 55.0	−0.8		
			LN	Ms=4.5		11.0	0.71
TIA	21.6	298	eP	18 35 14.6	−2.4		
			PMZ	m_B=5.1		5.0	0.50
			cPP	18 35 43.5	2.1		
			eS	18 39 11.5	1.9		
			SMN	m_B=5.3		9.0	0.89
			SS	18 39 43.5	−2.5		
			LN	Ms=4.9		11.5	1.62
			LE			11.0	0.68
			LZ	Ms=5.0		11.0	1.93
WHN	23.3	282	P	18 35 35.0	2.0		
			PP	18 36 09.0	5.2		
			cS	18 39 44.0	5.0		
			SME	m_B=5.9		10.0	3.53
			isS	18 39 50.0	−4.4		
			LE	Ms=4.9		11.0	1.44
BJI	23.6	307	eP	18 35 34.0	−2.1		
			cS	18 39 50.0	5.4		
			SMN	m_B=5.2		8.0	0.55
			cSS	18 40 38.0	5.3		
			LN	Ms=4.8		12.0	1.16
			LE			13.0	0.81
GZH	25.3	265	P	18 35 54.5	1.3		
			S	18 40 20.0	6.1		
			SMN	m_B=5.6		10.0	0.69
			SME			12.0	1.96
TIY	25.6	299	eP	18 35 55.3	−0.8		
			S	18 40 26.0	7.2		
			LN	Ms=4.8		12.0	0.72
			LE			11.0	0.74
HHC	27.1	305	P	18 36 10.0	−0.1		
			pP	18 36 22.0	2.5		
			S	18 40 49.0	5.4		
			LN	Ms=5.0		11.0	0.73
			LE			13.0	1.44
XAN	27.9	290	eP	18 36 15.9	−1.3		
			epP	18 36 26.0	−0.6		
			eS	18 40 59.0	1.9		
			sS	18 41 07.0	−6.1		
			LN	Ms=5.0		16.0	2.25
BTO	28.2	304	eP	18 36 18.0	−1.6		
			eS	18 41 00.0	−1.4		
			LN	Ms=4.8		13.0	0.70
			LE			13.0	0.60

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			LZ		Ms=4.8	13.0	1.00
QZN	29.8	259	eP	18 36 33.5	−0.4		
			S	18 41 25.0	−1.2		
			sS	18 41 43.0	−0.3		
			LE		Ms=5.0	11.0	1.20
GYA	30.4	275	P	18 36 38.8	−0.6		
			sP	18 36 49.8	−3.4		
			S	18 41 40.0	4.3		
			LN		Ms=5.1	14.0	1.50
			LE			14.0	1.10
			LZ		Ms=5.0	14.0	1.60
CD2	32.3	284	eP	18 36 55.4	−0.9		
			pP	18 37 04.1	−1.7		
			iS	18 42 11.0	4.1		
			LN		Ms=5.4	12.0	2.73
KMI	34.2	274	+P	18 37 12.0	−0.2		
			pP	18 37 22.0	0.3		
			PP	18 38 33.0	6.7		
			S	18 42 38.0	3.9		
			LN		Ms=5.0	16.0	1.41
GTA	35.7	299	P	18 37 23.3	−1.7		
			PP	18 38 51.5	6.2		
			S	18 43 00.0	2.6		
			LN		Ms=5.1	13.0	1.37
LSA	43.3	284	P	18 38 28.8	0.0		
			S	18 44 57.0	5.0		
WMQ	45.0	305	eP	18 38 42.0	−0.3		
			eS	18 45 19.0	0.7		
			esS	18 45 34.0	−0.6		
			LN		Ms=5.2	12.0	1.00
KSH	54.1	300	eP	18 39 51.0	−0.7		
			eS	18 47 22.0	−2.3		

1985 8 17

O=20 42 57.3 ± 0.06s
LAT= 6.89 S ± 0.94km
LONG=125.39 E ± 2.06km
DEPTH=524 km ± 0.23km
STATIONS USED = 18, STAND DEV= 1.39s

GYA	37.8	332	P	20 49 31.8	1.5		
CD2	42.9	332	P	20 50 12.1	0.7		
XAN	43.6	340	−P	20 50 17.0	0.3		
SNY	48.5	358	eP	20 50 53.8	−0.5		
CN2	50.5	0	eP	20 51 07.4	−1.4		
GTA	51.8	335	P	20 51 19.8	1.0		

1985 8 18

O=03 48 03.5 ± 0.09s
LAT= 2.92 N ± 1.25km
LONG=128.37 E ± 1.86km
DEPTH= 68 km ± 0.36km
STATIONS USED = 99, STAND DEV= 1.36s
Ms=5.0/16, m_B=5.4/12

QZH	23.8	338	eP	03 53 12.0	0.5		
			pP	03 53 28.5	1.5		
			eS	03 57 20.0	0.3		
			SME	m_B=5.9		10.0	3.12
QZN	24.2	313	P	03 53 18.0	3.1		
			pP	03 53 34.0	3.7		
			eS	03 57 31.5	5.9		
			SME	m_B=5.6		12.0	1.60
			LN	Ms=4.8		16.0	1.00
			LE			16.0	1.20
GZH	24.8	325	+P	03 53 21.3	0.7		
			pP	03 53 33.0	−3.0		
			S	03 57 43.0	8.2		
			SMN	m_B=6.0		8.0	1.32
			SME			8.0	2.64
SSE	28.8	347	eP	03 53 58.5	0.6		
			S	03 58 40.0	−1.0		
			esS	03 59 12.0	2.7		
			SS	04 00 13.0	0.2		
			LN	Ms=5.0		20.0	2.40
			LZ	Ms=5.0		18.0	1.95
NJ2	30.3	344	eP	03 54 11.0	−0.2		
			ScP	04 00 46.4	1.9		
WHN	30.5	336	−P	03 54 13.5	0.7		
			eS	03 59 10.0	1.7		
			SME	m_B=5.3		10.0	0.88
			sS	03 59 35.0	−1.0		
			LE	Ms=4.9		22.0	2.12
GYA	31.3	320	P	03 54 21.6	1.5		
			pP	03 54 36.0	0.1		
			S	03 59 20.0	−0.3		
			SME	m_B=5.4		9.0	0.80
KMI	33.1	314	−P	03 54 37.0	1.2		
			sP	03 55 04.0	4.0		
			S	03 59 53.0	4.9		
			LE	Ms=4.7		16.0	0.78
TIA	34.7	344	eP	03 54 47.3	−2.1		
			PcP	03 57 23.3	1.8		
			PcS	04 01 03.3	−3.5		
			LN	Ms=4.8		25.0	1.37
			LZ	Ms=4.8		25.0	1.32
XAN	35.9	332	eP	03 54 58.0	−1.3		
			epP	03 55 17.0	1.4		
			sP	03 55 24.0	0.1		
			ePcP	03 57 28.5	3.6		
			S	04 00 27.0	−4.0		
			SME	m_B=5.4		10.0	0.84

			sS	04 00 58.0	−1.9		
			LE	Ms = 5.1		13.0	1.43
CD2	36.3	323	eP	03 55 02.3	−0.3		
			S	04 00 39.0	2.1		
			LZ	Ms = 5.5		12.0	3.41
TIY	37.6	339	P	03 55 13.6	0.0		
			PMZ			0.9	0.050
			pP	03 55 26.5	−3.4		
			S	04 00 58.0	1.1		
			SME	m_B = 5.4		7.0	0.50
BJI	38.6	345	eP	03 55 21.0	−0.7		
			ePcP	03 57 34.0	0.9		
			eS	04 01 11.0	−1.8		
			SME	m_B = 5.2		7.0	0.29
			eScP	04 01 17.5	3.8		
			eScS	04 05 27.0	4.1		
			LN	Ms = 5.0		21.0	1.41
SNY	39.0	354	eP	03 55 23.6	−1.5		
			S	04 01 17.0	−1.0		
			LN	Ms = 5.0		24.0	1.41
			LE			20.0	0.66
LZH	40.0	328	+P	03 55 35.0	0.9		
			PMZ			1.5	0.39
			ScP	04 01 23.0	3.6		
			S	04 01 38.0	4.1		
			SME	m_B = 5.7		7.0	0.95
			LE	Ms = 5.1		14.0	1.28
HHC	40.7	340	+P	03 55 39.3	−0.2		
			eS	04 01 36.5	−8.3		
CN2	40.8	357	+P	03 55 39.3	−0.8		
			epP	03 55 57.0	0.4		
			ScP	04 01 25.8	3.5		
			eS	04 01 44.0	−2.1		
			LZ	Ms = 5.2		20.0	1.90
BTO	41.0	339	eP	03 55 41.0	−1.1		
			eS	04 01 43.0	−6.6		
MDJ	41.5	1	+iP	03 55 47.0	0.7		
			pP	03 56 06.0	3.3		
			PP	03 57 24.0	−1.9		
			eS	04 01 48.5	−8.7		
			LE	Ms = 5.5		14.0	2.70
LSA	44.2	311	+P	03 56 09.8	1.3		
			S	04 02 38.0	2.9		
			SME	m_B = 5.7		5.0	0.59
GTA	44.6	328	+iP	03 56 12.5	0.9		
			pP	03 56 28.0	0.0		
			PcP	03 57 55.6	2.6		
			ScP	04 01 42.3	4.5		
			S	04 02 43.8	2.4		
			SME	m_B = 5.3		8.0	0.40
			ScS	04 06 04.2	4.8		
			LZ	Ms = 5.1		30.0	2.27
WMQ	54.3	324	P	03 57 26.0	0.1		
			cPP	03 59 31.5	2.0		
			S	04 05 00.0	3.9		
			SMN	m_B = 4.7		7.0	0.070
			PS	04 05 24.0			
			cScS	04 07 06.0	1.6		
			LZ	Ms = 5.2		26.0	1.92
KSH	59.7	315	P	03 58 06.0	1.7		
			pP	03 58 21.0	−0.4		
			S	04 06 15.0	7.6		

1985 8 18

O = 04 24 21.6 ± 0.13s
LAT = 28.16 N ± 2.33km
LONG = 141.00 E ± 2.45km
DEPTH = 36 km ± 0.49km
STATIONS USED = 57, STAND DEV = 1.98s
Ms = 5.0 / 15, m_B = 5.1 / 3

MDJ	18.8	334	eP	04 28 40.0	−0.5		
DL2	19.3	309	eP	04 28 52.0	5.1		
			S	04 32 22.5	5.4		
			LN	Ms = 5.0		12.0	2.67
			LE			11.0	0.97
NJ2	19.5	287	eP	04 28 49.5	0.4		
			LN	Ms = 4.8		11.0	0.70
			LE			9.0	1.10
SNY	19.7	318	eP	04 28 52.8	2.1		
			LN	Ms = 4.9		14.0	1.41
			LE			12.0	1.92
CN2	20.0	325	eP	04 28 57.6	3.5		
			eS	04 32 35.0	2.9		
			LE	Ms = 5.3		11.0	4.70
QZH	20.3	266	eP	04 28 57.0	−0.3		
			S	04 32 32.0	−5.6		
			SME	m_B = 5.0		5.0	0.31
			sS	04 32 53.0	1.7		
TIA	21.7	298	eP	04 29 09.0	−2.7		
			eS	04 33 10.5	5.6		
			SMN	m_B = 5.1		8.5	0.56
			LN	Ms = 4.9		13.5	1.87
WHN	23.3	282	eP	04 29 30.0	2.3		
			eS	04 33 32.0	−2.3		
			SME	m_B = 5.6		11.0	1.88
			LN	Ms = 4.7		12.0	1.05
BJI	23.6	307	eP	04 29 29.5	−1.2		
			eS	04 33 40.0	0.3		
			eSS	04 34 27.0	−1.3		
			LN	Ms = 4.8		9.0	0.61

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			LE			12.0	1.07
TIY	25.7	299	+P	04 29 51.0	0.3		
			S	04 34 12.5	−1.4		
			LN	Ms=5.0		11.0	1.01
			LE			10.0	0.93
HHC	27.2	305	+iP	04 30 03.6	−1.1		
XAN	28.0	290	eP	04 30 07.3	−4.5		
			eS	04 34 50.5	−1.8		
BTO	28.3	304	eP	04 30 12.0	−2.2		
QZN	29.9	259	eP	04 30 30.0	1.5		
			eS	04 35 27.0	4.8		
			LE	Ms=5.0		20.0	2.30
GYA	30.5	275	P	04 30 32.6	−1.4		
			sP	04 30 51.0	3.2		
			S	04 35 32.0	1.1		
			LN	Ms=5.2		16.0	2.10
			LE			16.0	2.10
			LZ	Ms=5.2		16.0	3.00
LZH	32.3	294	eP	04 30 49.5	−0.4		
CD2	32.4	284	eP	04 30 49.6	−1.3		
			eS	04 35 54.0	−8.0		
			LE	Ms=5.1		12.0	1.36
KMI	34.2	274	eP	04 31 06.0	−0.8		
			S	04 36 38.0	8.8		
			LZ	Ms=5.0		20.0	2.00
GTA	35.7	299	P	04 31 18.8	−0.8		
WMQ	45.1	305	P	04 32 36.4	−0.4		
			S	04 39 09.0	−3.0		
			LE	Ms=5.1		10.0	0.72
KSH	54.1	300	eP	04 33 44.0	−2.1		

1985 8 18
O=04 28 31.7 ± 0.16s
LAT=28.24 N ± 2.66km
LONG=140.91 E ± 2.94km
DEPTH= 33 km ± 0.17km
STATIONS USED = 41, STAND DEV= 2.72s
Ms=4.9/ 10, m_B=5.6/ 4

MDJ	18.7	334	eP	04 32 50.0	0.4		
DL2	19.2	309	eP	04 32 56.0	−0.1		
			eS	04 36 26.0	0.0		
			LN	Ms=4.8		10.0	1.41
SNY	19.6	318	eP	04 33 00.0	0.1		
			LN	Ms=4.9		16.0	1.06
			LE			12.0	1.92
CN2	19.9	325	eP	04 33 04.4	1.0		
QZH	20.2	266	eP	04 33 07.8	0.9		
			eS	04 36 49.0	1.5		
			SME	m_B=5.3		8.0	0.94
			LN	Ms=4.8		13.0	1.07
			LE			16.0	1.47
TIA	21.6	298	cP	04 33 21.0	0.0		
WHN	23.2	282	−P	04 33 39.0	1.8		
			cS	04 37 36.0	−7.4		
			SME	m_B=5.8		10.0	2.65
			sS	04 37 56.0	−2.0		
			LE	Ms=4.7		14.0	1.24
GZH	25.3	265	−P	04 33 58.0	0.4		
			S	04 38 17.0	−1.7		
			SME	m_B=5.6		12.0	2.20
			LN	Ms=4.7		11.0	0.63
			LE			13.0	0.68
TIY	25.6	299	eP	04 34 01.0	0.8		
			LN	Ms=5.0		13.0	0.66
			LE			11.0	1.36
XAN	27.9	290	eP	04 34 19.8	−1.6		
			ScS	04 44 59.0	−4.8		
QZN	29.8	259	eP	04 34 31.0	−7.4		
GYA	30.4	275	P	04 34 43.3	−0.4		
LZH	32.2	294	eP	04 35 00.5	1.0		
			PMZ	m_B=5.6		5.0	0.53
CD2	32.3	284	eP	04 34 57.0	−3.5		
			LE	Ms=5.3		13.0	2.62
GTA	35.6	299	P	04 35 28.4	−0.7		
			LN	Ms=5.1		14.0	1.42
WMQ	45.0	305	P	04 36 46.4	0.0		
			ePP	04 38 37.0	4.7		
			eS	04 43 29.0	6.5		
			LE	Ms=4.9		19.0	0.85
KSH	54.0	300	eP	04 37 58.0	2.2		
			eS	04 45 27.0	−1.6		

1985 8 18
O=07 56 40.9 ± 0.08s
LAT=36.10 N ± 1.11km
LONG= 70.95 E ± 1.05km
DEPTH=113 km ± 0.24km
STATIONS USED = 20, STAND DEV= 1.69s

KSH	5.2	48	eP	07 58 01.0	2.9		
			S	07 58 58.5	1.5		
WMQ	15.0	54	eP	08 00 08.0	0.1		
			S	08 02 49.5	−0.9		
GTA	23.0	73	P	08 01 40.0	3.0		
GYA	31.8	97	P	08 02 59.0	1.3		

1985 8 18
O=10 33 47.1 ± 0.05s
LAT= 2.78 N ± 1.08km
LONG=128.37 E ± 2.39km
DEPTH= 33 km ± 0.02km

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STATIONS USED = 9, STAND DEV = 1.50s

WHN	30.6	336	eP	10 40 03.0	2.1
XAN	36.0	332	eP	10 40 46.5	−1.1
BJI	38.7	345	eP	10 41 10.5	0.4

1985 8 18
O = 15 25 07.0 ± 0.09s
LAT = 55.80 S ± 4.19km
LONG = 124.08 W ± 2.56km
DEPTH = 9 km ± 0.36km
STATIONS USED = 23, STAND DEV = 1.84s
Ms = 5.3 / 1,

CN2	135.4	285	PKP	15 44 32.0	3.2		
XAN	137.9	262	ePKP	15 44 32.4	−1.0		
LZH	142.2	259	ePKP	15 44 42.5	1.3		
GTA	146.8	259	PKP	15 44 50.3	1.1		
			PP	15 48 18.9	1.4		
			LZ	Ms = 5.3		24.0	0.40

1985 8 18
O = 16 51 18.3 ± 0.04s
LAT = 13.63 S ± 1.23km
LONG = 66.09 E ± 0.95km
DEPTH = 9 km ± 0.10km
STATIONS USED = 15, STAND DEV = 0.89s

GYA	56.1	45	P	17 01 00.4	−0.3		
CD2	57.2	39	eP	17 01 08.0	−0.8		
GTA	61.4	29	−iP	17 01 38.0	−0.1		
XAN	62.5	40	P	17 01 43.8	−1.5		
MDJ	81.6	40	eP	17 03 39.5	0.5		

1985 8 18
O = 17 51 06.5 ± 0.10s
LAT = 37.80 N ± 1.07km
LONG = 99.21 E ± 0.87km
DEPTH = 8 km ± 0.20km
STATIONS USED = 10, STAND DEV = 2.64s
M_L = 3.4 / 7,

GTA	1.7	16	Pn	17 51 36.3	−0.4		
			Pg	17 51 37.6	1.4		
			SMN	M_L = 3.7		0.8	0.80
			SME			0.8	0.87
LZH	4.1	113	Pg	17 52 21.0	2.1		
			Sg	17 53 11.0	−3.5		
			SMN	M_L = 3.6		1.0	0.13
			SME			1.0	0.14
CD2	7.8	150	Pn	17 53 03.4	2.3		

1985 8 19
O = 02 23 50.2 ± 0.13s
LAT = 5.67 S ± 1.67km
LONG = 147.79 E ± 2.38km
DEPTH = 33 km ± 0.32km
STATIONS USED = 40, STAND DEV = 2.11s
Ms = 4.9 / 4,

QZH	41.6	318	P	02 31 37.3	0.0		
QZN	44.7	304	eP	02 32 03.4	1.0		
NJ2	46.5	326	+P	02 32 19.0	2.0		
WHN	48.2	320	eP	02 32 30.5	0.7		
			eS	02 39 30.0	4.1		
			LE	Ms = 4.9		16.0	0.66
GYA	51.1	311	P	02 32 52.4	0.4		
MDJ	52.7	344	eP	02 33 04.5	0.6		
			eS	02 40 28.0	0.0		
			LZ	Ms = 5.0		28.0	1.29
CN2	53.2	340	−P	02 33 14.0	6.0		
			eS	02 40 43.0	7.5		
			LE	Ms = 4.8		18.0	0.50
XAN	53.9	320	eP	02 33 11.8	−1.6		
BJI	54.0	330	eP	02 33 14.0	0.2		
TIY	54.3	326	eP	02 33 15.0	−0.9		
			LE	Ms = 4.9		13.0	0.39
LZH	58.5	319	eP	02 33 46.5	0.4		
			PMZ			2.0	0.060
GTA	63.0	320	P	02 34 16.8	0.0		
WMQ	73.1	319	eP	02 35 20.0	0.4		

1985 8 19
O = 04 10 34.6 ± 0.12s
LAT = 2.62 N ± 2.04km
LONG = 98.38 E ± 1.73km
DEPTH = 39 km ± 0.81km
STATIONS USED = 11, STAND DEV = 3.03s

GYA	25.0	18	eP	04 16 00.8	4.0
XAN	32.8	16	eP	04 17 03.4	−3.2
BJI	40.6	21	eP	04 18 14.5	1.9

1985 8 19
O = 07 28 53.8 ± 0.09s
LAT = 28.26 N ± 1.52km
LONG = 140.82 E ± 1.47km
DEPTH = 33 km ± 0.16km
STATIONS USED = 32, STAND DEV = 1.61s
Ms = 4.4 / 5, m_B = 5.3 / 1

NJ2	19.4	287	+P	07 33 22.3	2.7		
			eS	07 36 54.0	3.1		
			sS	07 37 11.0	8.1		
			LE	Ms = 4.3		10.0	0.50
QZH	20.1	266	eP	07 33 28.0	−0.1		
			eS	07 37 14.0	6.1		

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TIA	21.5	298	eP	07 33 43.4	1.1		
WHN	23.2	282	eP	07 34 00.0	1.5		
			PP	07 34 34.0	5.2		
			eS	07 38 03.0	−1.0		
			SME	m_B = 5.3		11.0	0.94
			LN	Ms = 4.4		12.0	0.53
BJI	23.5	306	eP	07 34 02.0	0.6		
			LN	Ms = 4.2		12.0	0.34
TIY	25.5	299	P	07 34 23.0	1.5		
			S	07 38 46.0	2.3		
			LN	Ms = 4.4		13.0	0.33
			LE			12.0	0.27
HHC	27.0	305	P	07 34 35.8	0.3		
XAN	27.8	290	eP	07 34 41.8	−0.9		
BTO	28.1	304	eP	07 34 42.4	−2.6		
GYA	30.3	275	P	07 35 05.0	0.0		
LZH	32.1	294	eP	07 35 19.5	−1.3		
GTA	35.6	299	P	07 35 50.0	−0.5		
WMQ	44.9	305	eP	07 37 07.6	−0.2		
			eS	07 43 44.0	0.6		
			LZ	Ms = 4.7		24.0	0.77

1985 8 19
O = 07 53 49.1 ± 0.20s
LAT = 15.08 S ± 3.13km
LONG = 75.54 W ± 4.69km
DEPTH = 31 km ± 1.22km
STATIONS USED = 56, STAND DEV = 2.66s
Ms = 5.6 / 8, m_B = 5.7 / 1

MDJ	143.7	329	ePKP	08 13 19.3	−2.7		
			PP	08 16 36.0	−1.3		
			SS	08 35 16.0	1.5		
			LZ	Ms = 5.8		22.0	1.24
KSH	145.2	40	PKP	08 13 25.0	0.1		
CN2	146.2	332	+PKP	08 13 25.0	−1.5		
			pPKP	08 13 33.0	−2.4		
			ePP	08 16 52.0	−0.8		
			PPMZ	m_B = 5.7		6.0	0.30
			eSS	08 35 50.0	6.7		
			LE	Ms = 5.6		18.0	0.70
WMQ	148.0	23	ePKP	08 13 30.4	0.9		
			pPKP	08 13 41.0	2.7		
BJI	153.1	340	ePKP	08 13 36.5	−0.7		
			epPKP	08 13 43.5	−2.7		
GTA	155.4	9	PKP	08 13 41.4	0.9		
			LZ			2.5	1.21
TIA	156.1	334	ePKP	08 13 41.8	0.6		
			PP	08 17 48.0	−0.9		
			eSS	08 37 30.0	−2.6		
			LE	Ms = 5.6		26.0	0.97
TIY	156.4	344	ePKP	08 13 42.0	0.3		
			LE	Ms = 5.6		18.0	0.59
SSE	157.9	319	ePKP	08 13 42.0	−1.6		
			eSKS	08 20 38.0	−4.9		
			eSKKS	08 24 40.0			
			eSS	08 37 44.0	−7.3		
			LN	Ms = 5.7		24.0	0.96
			LE			23.0	0.60
			LZ	Ms = 5.8		20.0	1.16
XAN	160.7	349	−PKP	08 13 47.0	0.2		
			ePP	08 18 16.0	2.4		
GZH	168.4	315	ePKP	08 13 56.0	2.5		
			PKP_2	08 15 08.0			
			LN	Ms = 5.6		20.0	0.70
GYA	168.5	350	PKP	08 13 55.8	2.1		
			pPKP	08 14 05.0	2.5		
			PP	08 18 50.0	−3.8		
KMI	169.9	9	ePKP	08 13 57.0	2.3		

1985 8 19
O = 12 02 39.4 ± 0.07s
LAT = 11.54 S ± 1.02km
LONG = 166.51 E ± 1.26km
DEPTH = 55 km ± 0.86km
STATIONS USED = 43, STAND DEV = 1.20s

CN2	66.5	329	+P	12 13 25.5	−0.9		
GYA	69.3	304	+P	12 13 43.8	0.0		
BJI	69.3	321	eP	12 13 43.0	−0.8		
TIY	70.4	317	P	12 13 51.5	0.9		
XAN	71.0	312	+P	12 13 53.8	−0.3		
KMI	72.0	301	+P	12 14 01.0	0.7		
HHC	72.7	319	eP	12 14 04.3	0.1		
LZH	75.6	312	+P	12 14 22.0	0.7		
GTA	79.9	314	+iP	12 14 46.3	1.2		
WMQ	90.0	315	eP	12 15 35.3	0.2		

1985 8 19
O = 13 41 18.3 ± 0.10s
LAT = 22.16 N ± 1.28km
LONG = 102.68 E ± 1.37km
DEPTH = 9 km ± 0.25km
STATIONS USED = 44, STAND DEV = 2.16s
Ms = 4.8 / 9, M_L = 5.0 / 3, m_B = 4.6 / 1

KMI	3.0	1	−iPn	13 42 07.5	1.5		
			LN			4.0	6.30
			LE			5.0	7.15
GYA	5.6	40	Pn	13 42 44.6	2.1		
			Sg	13 44 22.0	7.6		
			LN			3.0	8.40
			LE			3.0	7.20

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QZN	7.4	114	−Pn	13 43 10.0	3.2		
			Sn	13 44 42.0	8.7		
CD2	8.8	6	P	13 43 25.9	−2.6		
GZH	9.9	83	+iP	13 43 43.6	−0.4		
			S	13 45 36.0	0.0		
			LN	Ms=4.9		6.0	1.82
			LE			5.0	2.25
LSA	12.8	308	eP	13 44 23.8	−0.2		
XAN	13.1	24	eP	13 44 22.8	−4.1		
			LG_2	13 48 28.0	−1.0		
			LN	Ms=5.0		10.0	2.10
			LE			9.0	3.40
WHN	13.4	49	eP	13 44 33.0	1.8		
			S	13 46 56.0	−4.8		
			LN	Ms=5.1		9.0	3.12
			LE			8.0	2.71
GTA	17.4	353	−iP	13 45 26.0	3.0		
TIY	17.6	26	eP	13 45 28.6	2.3		
			eS	13 48 40.5	−0.7		
			SS	13 49 04.0	1.7		
			LN	Ms=4.8		13.0	1.32
			LE			13.0	1.88
BTO	19.4	17	eP	13 45 46.0	−1.8		
			eS	13 49 17.0	−4.1		
			LN	Ms=4.8		9.0	1.10
			LE			9.0	0.70
			LZ	Ms=4.6		9.0	0.80
BJI	21.2	30	eP	13 46 08.0	1.2		
			S	13 49 57.0	−0.2		
			SMN	m_B=4.6		6.0	0.17
			LN	Ms=4.5		9.0	0.45
			LE			8.0	0.29
WMQ	24.9	334	eP	13 46 44.8	1.3		
			eS	13 51 11.5	7.2		
			LN			3.0	0.060
CN2	28.7	36	eP	13 47 19.3	1.5		

1985 8 19
O=14 05 32.9 ± 0.07s
LAT=38.59 N ± 0.87km
LONG= 99.51 E ± 0.71km
DEPTH= 32 km ± 0.37km
STATIONS USED = 16, STAND DEV= 2.36s
M_L=4.0/ 6,

GTA	0.9	16	Pg	14 05 48.4	−0.7		
			SMN			8.0	1.06
			SME			6.0	1.32
LZH	4.3	125	+Pn	14 06 38.0	1.8		
			SMN			3.0	0.80
BTO	8.4	73	eP	14 07 35.6	0.7		
XAN	8.8	118	eP	14 07 39.5	−2.1		
WMQ	10.3	304	eP	14 08 00.4	−1.7		
			LN			1.2	0.040
CN2	20.2	67	eP	14 10 07.0	−0.6		

1985 8 19
O=16 31 47.8 ± 0.10s
LAT=22.14 N ± 1.47km
LONG=102.70 E ± 1.28km
DEPTH= 10 km ± 0.29km
STATIONS USED = 61, STAND DEV= 2.06s
Ms=5.2/22, M_L=4.8/ 3, m_B=4.6/ 2

KMI	3.0	1	−Pn	16 32 36.0	0.4		
			Pg	16 32 45.0	4.8		
			Sn	16 33 17.0	4.1		
			Sg	16 33 29.0	8.2		
			LN			8.0	18.2
			LE			8.0	38.3
GYA	5.6	39	Pn	16 33 13.0	1.1		
			Sg	16 34 49.0	5.2		
			LE	Ms=5.5		5.0	25.8
QZN	7.4	114	Pn	16 33 38.3	2.4		
			Sn	16 35 04.0	2.0		
			LN	Ms=4.7		11.0	4.30
			LE			10.0	3.30
CD2	8.8	6	eP	16 33 55.6	−2.5		
GZH	9.9	83	P	16 34 11.5	−1.6		
			S	16 36 10.5	5.6		
			LN	Ms=5.4		5.0	5.07
			LE			6.0	9.60
LSA	12.8	308	eP	16 34 51.3	−2.5		
			S	16 37 14.0	−2.7		
			LN	Ms=4.6		13.0	2.62
XAN	13.1	23	eP	16 34 52.5	−3.9		
			S	16 37 23.5	1.2		
			sS	16 37 28.0	−2.0		
			LN	Ms=5.6		10.0	9.24
			LE			10.0	15.1
WHN	13.4	49	eP	16 35 02.0	1.5		
			S	16 37 23.0	−6.9		
			LN	Ms=5.6		9.0	10.2
			LE			7.0	8.50
LZH	13.9	4	eP	16 35 09.5	1.4		
			PMZ			2.0	0.080
			LE	Ms=5.0		10.0	4.45
GTA	17.4	353	eP	16 35 53.5	0.9		
			LE	Ms=4.7		11.0	1.59
NJ2	17.4	52	eP	16 35 56.4	3.5		
			LE	Ms=5.5		9.0	7.10
TIY	17.6	26	eP	16 35 59.5	3.8		

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			LN		Ms=5.4		13.5	5.86
			LE				14.0	7.69
TIA	18.8	39	eP	16 36 10.1		0.0		
			S	16 39 32.5		−3.7		
			SMN		m_B=4.4		10.0	0.21
			LN		Ms=5.1		10.5	3.09
			LE				9.0	1.47
			LZ		Ms=4.8		11.0	1.63
BTO	19.4	17	eP	16 36 16.0		−1.3		
			eS	16 39 45.0		−5.6		
			LN		Ms=5.4		10.0	4.10
			LE				10.0	3.90
			LZ		Ms=5.2		10.0	3.90
HHC	20.1	20	P	16 36 25.6		0.7		
			LE		Ms=5.3		11.0	5.33
BJI	21.2	30	eP	16 36 39.0		2.8		
			S	16 40 26.0		−0.5		
			SMN		m_B=4.7		10.0	0.36
			LN		Ms=5.1		10.0	1.68
			LE				9.0	1.45
WMQ	24.9	334	eP	16 37 13.8		0.7		
			S	16 41 35.5		2.5		
			LN		Ms=4.8		12.0	1.11
CN2	28.7	36	eP	16 37 46.5		−0.6		
			pP	16 37 50.4		−2.2		
			S	16 42 32.0		−1.7		
			LE		Ms=5.0		11.0	1.30

1985 8 19
O=18 37 38.0 ± 0.10s
LAT=36.13 N ± 2.05km
LONG= 72.01 E ± 1.56km
DEPTH= 64 km ± 0.40km
STATIONS USED = 66, STAND DEV= 2.18s
Ms=4.7/ 3, M_L=5.0/ 3,

KSH	4.6	42	eP	18 38 50.5		3.9		
			sP	18 39 07.0		3.1		
			iS	18 39 43.5		5.9		
			SMN		M_L=5.3		0.5	4.68
			SME				0.6	4.10
WMQ	14.3	53	eP	18 40 56.3		−2.0		
			S	18 43 30.5		−3.2		
			LE				1.2	0.39
LSA	17.3	106	eP	18 41 32.0		−5.2		
			eS	18 44 50.5		5.1		
			LN		Ms=4.6		8.0	0.89
GTA	22.2	73	−iP	18 42 31.8		1.4		
			LN		Ms=5.0		8.0	1.37
LZH	25.7	81	eP	18 43 05.0		1.0		
CD2	26.9	92	eP	18 43 16.2		0.8		
KMI	28.5	104	eP	18 43 29.0		−1.2		
BTO	30.0	70	eP	18 43 44.1		1.1		
			eS	18 48 40.0		5.4		
XAN	30.2	83	eP	18 43 43.8		−0.8		
GYA	31.0	98	P	18 43 51.8		−0.4		
HHC	31.1	69	eP	18 43 54.5		1.3		
TIY	32.2	75	P	18 44 03.3		0.9		
			S	18 49 13.5		5.3		
			LN		Ms=4.7		10.0	0.43
			LE				9.0	0.22
BJI	34.7	70	eP	18 44 25.0		0.9		
WHN	35.6	87	eP	18 44 32.5		0.8		
SSE	40.9	82	eP	18 45 18.3		2.3		
CN2	41.1	62	P	18 45 13.0		−4.2		

1985 8 20
O=01 51 48.2 ± 0.12s
LAT=28.37 N ± 2.11km
LONG=141.27 E ± 1.70km
DEPTH= 37 km ± 0.34km
STATIONS USED = 13, STAND DEV= 2.45s
Ms=4.4/ 4, m_B=5.3/ 1

SSE	17.7	284	eP	01 55 56.0		2.9		
NJ2	19.7	286	+P	01 56 19.3		1.8		
			LN		Ms=4.0		12.0	0.30
TIA	21.8	297	eP	01 56 38.3		−1.1		
			eS	02 00 38.0		4.5		
			LN		Ms=4.3		14.0	0.59
WHN	23.5	282	eP	01 56 58.0		1.9		
			eS	02 01 10.0		6.0		
			SME		m_B=5.3		12.0	1.04
			SS	02 01 48.0		−3.9		
TIY	25.8	299	eP	01 57 18.9		0.6		
			LN		Ms=4.4		12.0	0.29
			LE				12.0	0.34
GYA	30.7	275	eP	01 58 00.6		−1.9		
CD2	32.6	284	eP	01 58 17.8		−1.2		
			eS	02 03 33.0		1.7		
			LN		Ms=4.7		13.0	0.64

1985 8 20
O=02 40 37.9 ± 0.37s
LAT= 3.56 S ± 1.74km
LONG=101.92 E ± 0.92km
DEPTH= 87 km ± 2.89km
STATIONS USED = 11, STAND DEV= 2.06s

GYA	30.2	8	P	02 46 44.0		1.4		
CD2	34.3	3	P	02 47 14.3		−4.1		
WMQ	48.9	346	eP	02 49 19.0		1.8		
CN2	51.7	22	eP	02 49 38.3		−0.2		

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1985 8 20
O=03 02 09.2 ± 0.12s
LAT=23.78 N ± 1.53km
LONG=121.70 E ± 1.67km
DEPTH= 26 km ± 0.45km
STATIONS USED = 61, STAND DEV= 1.93s
Ms=4.4/ 19, M_L=4.5/ 9,

QZH	3.1	293	−iPn	03 02 56.5	0.1	
			Pg	03 03 04.3	0.9	
			Sn	03 03 29.0	−4.9	
			Sg	03 03 38.0	−7.3	
			SMN	M_L=4.7	0.7	3.07
			SME		0.7	2.03
SSE	7.3	357	eP	03 03 56.0	−0.9	
			eLG_1	03 05 55.0	−3.4	
			LG_2	03 06 12.0	2.1	
			LN	Ms=4.2	16.0	1.45
			LE		20.0	2.88
			LZ	Ms=4.0	16.0	1.72
GZH	7.7	266	−P	03 04 01.0	−1.6	
			S	03 05 21.0	−8.8	
			LN		3.0	2.26
			LE		3.0	1.00
NJ2	8.6	344	+P	03 04 13.8	−1.5	
			S	03 05 46.5	−5.8	
			LE	Ms=4.7	4.0	1.70
WHN	9.4	317	eP	03 04 24.0	−2.0	
			S	03 06 04.0	−7.6	
			LN	Ms=4.4	10.0	1.62
			LE		15.0	1.55
QZN	12.0	249	eP	03 05 03.5	1.5	
			LN	Ms=4.4	17.0	2.40
TIA	13.0	343	eP	03 05 20.0	4.8	
			LN	Ms=4.1	11.5	0.72
			LZ	Ms=4.2	11.0	0.74
GYA	13.9	284	P	03 05 26.0	−0.9	
			pP	03 05 30.0	−3.1	
			SMN		1.4	0.25
			SME		1.4	0.18
XAN	15.1	315	eP	03 05 41.9	−1.4	
			LE	Ms=4.4	10.0	0.84
TIY	16.0	332	eP	03 05 57.6	3.2	
			LN	Ms=4.5	11.0	1.01
			LE		11.0	0.58
BJI	16.9	345	eP	03 06 10.0	4.7	
			LN	Ms=4.2	13.0	0.59
KMI	17.3	278	eP	03 06 14.0	2.7	
CD2	17.4	298	eP	03 06 10.3	−2.3	
			eS	03 09 16.0	−8.3	
			LZ	Ms=5.1	12.0	3.72
SNY	18.1	5	eP	03 06 20.8	0.5	
			eS	03 09 45.0	6.7	
			LE	Ms=4.2	20.0	0.90
HHC	19.0	336	eP	03 06 35.3	3.0	
BTO	19.4	332	eP	03 06 40.0	3.2	
			eS	03 10 11.0	1.7	
			LN	Ms=4.7	12.0	1.20
			LE		12.0	0.70
			LZ	Ms=4.6	12.0	1.10
LZH	19.7	313	eP	03 06 40.0	0.1	
CN2	20.2	8	eP	03 06 44.0	−1.1	
GTA	24.2	315	P	03 07 25.8	0.6	
			eS	03 11 38.0	−1.4	
			LE	Ms=4.4	12.0	0.43
			LZ	Ms=4.6	14.0	0.88
WMQ	34.3	314	eP	03 08 58.0	2.2	

1985 8 20
O=05 46 00.5 ± 0.18s
LAT= 5.57 N ± 2.97km
LONG= 35.94 E ± 3.26km
DEPTH= 10 km ± 0.42km
STATIONS USED = 48, STAND DEV= 2.47s
Ms=5.2/ 5,

KSH	49.4	41	P	05 54 58.0	5.1	
LSA	57.2	58	eP	05 55 48.0	−3.3	
WMQ	59.2	41	eP	05 56 02.4	−2.3	
			eS	06 04 09.0	−2.0	
			LN	Ms=5.3	26.0	1.89
GTA	66.4	49	P	05 56 51.3	−1.4	
			eS	06 05 34.3	−7.4	
			LN	Ms=4.9	20.0	0.51
KMI	66.7	65	eP	05 56 52.5	−2.0	
CD2	68.1	59	eP	05 57 03.4	−0.3	
LZH	68.9	54	eP	05 57 07.0	−1.6	
			PMZ		2.0	0.090
GYA	70.3	64	P	05 57 15.8	−1.1	
XAN	72.8	56	eP	05 57 29.9	−2.1	
BTO	74.3	50	eP	05 57 44.5	3.7	
			eS	06 07 20.0	5.7	
			LN	Ms=5.5	22.0	1.50
			LE		22.0	1.10
HHC	75.5	49	eP	05 57 47.3	−0.4	
TIY	75.9	53	eP	05 57 53.6	3.5	
			LE	Ms=5.2	15.0	0.54
BJI	79.0	50	eP	05 58 10.0	3.1	
TIA	79.6	54	eP	05 58 14.3	3.8	
NJ2	81.1	59	−P	05 58 22.4	4.2	
			LZ	Ms=5.0	20.0	0.40

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SNY	84.6	49	+P	05 58 40.0	3.9		
CN2	85.8	47	−P	05 58 40.4	−2.1		

1985 8 20
O = 11 07 33.2 ± 0.07s
LAT = 41.63 N ± 1.19km
LONG = 90.33 E ± 0.91km
DEPTH = 32 km ± 0.09km
STATIONS USED = 83, STAND DEV = 1.65s
Ms = 4.8 / 22, M_L = 5.3 / 6,

WMQ	2.9	319	−Pn	11 08 21.1	3.0		
			Sn	11 08 57.5	4.0		
			SME	M_L = 5.7		1.0	35.0
GTA	7.6	104	+iPn	11 09 24.3	2.5		
			Sn	11 10 45.5	−2.6		
			Sg	11 11 23.0	−7.1		
KSH	11.1	263	eP	11 10 15.0	1.4		
			LN	Ms = 5.2		5.0	4.80
LZH	11.9	113	eP	11 10 21.5	−2.4		
			eS	11 12 34.0	−2.8		
			LE	Ms = 4.8		9.0	2.72
LSA	11.9	177	eP	11 10 25.4	0.8		
BTO	14.9	87	P	11 11 02.8	−0.5		
			LN	Ms = 4.8		9.0	1.30
			LE			12.0	2.00
			LZ	Ms = 4.9		12.0	3.10
CD2	15.2	130	eP	11 11 06.4	−1.1		
			eS	11 13 54.0	−1.6		
			LE	Ms = 4.8		14.0	2.83
HHC	16.0	86	−P	11 11 16.5	−1.2		
			LN	Ms = 5.4		4.0	2.68
			LE			3.0	1.56
XAN	16.5	111	eP	11 11 22.8	−1.4		
			pP	11 11 27.0	−4.4		
			sP	11 11 32.0	−4.1		
			PP	11 11 36.0	−1.7		
			LN	Ms = 4.8		12.0	1.50
			LE			14.0	1.73
TIY	17.4	96	P	11 11 34.5	−1.5		
			PMZ			0.9	0.090
			sP	11 11 44.0	−4.0		
			S	11 14 45.0	−1.8		
			LN	Ms = 4.9		5.0	0.83
			LE			7.0	1.22
KMI	19.4	144	+P	11 11 59.5	−0.5		
			pP	11 12 04.0	−3.5		
			PP	11 12 16.0	−1.1		
			S	11 15 28.5	−2.6		
			SS	11 15 53.5	−4.3		
			LN	Ms = 4.6		14.0	1.20
BJI	19.6	86	eP	11 12 01.5	−0.2		
			LN	Ms = 4.5		12.0	0.40
			LE			12.0	0.78
GYA	20.2	133	−P	11 12 09.0	0.1		
			sP	11 12 18.0	−3.5		
			S	11 15 56.8	7.8		
			LN	Ms = 4.7		10.0	0.80
			LE			10.0	0.90
TIA	21.5	96	eP	11 12 21.0	−0.5		
			LN	Ms = 4.3		10.0	0.37
			LE			12.0	0.23
			LZ	Ms = 4.6		13.0	0.98
WHN	22.3	112	+iP	11 12 30.0	0.8		
			sP	11 12 41.6	−0.5		
			sS	11 16 41.0	−0.7		
			LN	Ms = 5.0		15.0	2.19
			LE			15.0	1.11
DL2	24.0	86	eP	11 12 43.0	−2.9		
			eS	11 16 54.0	−3.8		
			LN	Ms = 4.5		12.0	0.67
NJ2	24.7	104	+P	11 12 53.4	0.9		
			LZ	Ms = 4.6		16.0	1.00
SNY	24.7	78	+iP	11 12 54.1	0.8		
			LE	Ms = 4.9		16.0	1.98
CN2	25.8	73	+P	11 13 03.6	0.4		
			pP	11 13 09.0	−3.0		
			sP	11 13 12.5	−3.6		
			PcP	11 16 32.4	−0.2		
			eS	11 17 29.0	0.8		
			sS	11 17 41.0	−1.9		
			LE	Ms = 4.7		10.0	0.80
GZH	26.7	127	eP	11 13 13.0	1.3		
SSE	26.8	103	P	11 13 14.3	1.2		
			LE	Ms = 4.8		16.0	1.43
			LZ	Ms = 4.8		16.0	1.43
QZN	28.0	138	eP	11 13 28.0	4.3		
			LE	Ms = 4.6		15.0	0.70
MDJ	28.6	71	eP	11 13 30.5	1.3		

1985 8 20
O = 13 43 16.5 ± 0.09s
LAT = 1.00 S ± 1.51km
LONG = 127.07 E ± 1.74km
DEPTH = 33 km ± 0.04km
STATIONS USED = 66, STAND DEV = 1.22s
Ms = 4.5 / 4, m_B = 5.5 / 2

QZN	26.1	320	eP	13 48 48.3	−1.3
			eS	13 53 21.0	4.0
QZH	27.1	343	eP	13 49 00.0	1.7
			S	13 53 33.0	1.4

			SMN	$m_B = 5.6$	4.5	0.52
			SME		5.5	0.56
GZH	27.4	332	eP	13 49 03.0	1.5		
			eS	13 53 41.0	2.9		
SSE	32.4	351	eP	13 49 46.0	0.2		
			esP	13 50 00.5	1.6		
			eS	13 55 04.0	6.9		
			LE	Ms = 4.5	20.0	0.58
WHN	33.6	340	eP	13 49 57.5	1.1		
			S	13 55 18.0	2.8		
			SME	$m_B = 5.4$	8.0	0.63
			sS	13 55 38.0	6.6		
			LE	Ms = 4.4	14.0	0.36
GYA	33.7	326	P	13 49 58.0	1.2		
			pP	13 50 05.0	−0.9		
			PcP	13 52 36.6	0.7		
			S	13 55 18.8	3.1		
NJ2	33.8	347	−P	13 49 58.4	0.7		
KMI	35.1	319	eP	13 50 09.0	0.0		
TIA	38.2	347	eP	13 50 34.3	−0.6		
CD2	38.7	327	eP	13 50 39.8	0.3		
XAN	38.8	336	eP	13 50 40.4	0.1		
			sP	13 50 54.4	0.9		
			S	13 56 34.0	−0.7		
			esS	13 56 51.0	−0.1		
TIY	40.8	342	eP	13 50 57.8	0.6		
			S	13 57 11.5	6.4		
BJI	42.0	347	eP	13 51 06.5	−0.5		
			eScP	13 56 49.5	1.4		
SNY	42.7	356	eP	13 51 12.0	−0.8		
			S	13 57 32.0	−1.3		
			sS	13 57 54.0	4.3		
			SS	14 00 37.0	−2.3		
			LN	Ms = 4.6	19.0	0.48
LZH	42.8	332	eP	13 51 14.0	0.8		
			PMZ		1.5	0.070
			ScP	13 56 53.5	2.5		
			S	13 57 35.0	1.3		
			ScS	14 01 10.0	1.6		
			SMZ		2.0	0.080
HHC	44.0	343	eP	13 51 23.5	0.5		
BTO	44.2	341	eP	13 51 26.0	1.1		
			eS	13 57 55.0	−1.1		
CN2	44.6	358	+P	13 51 26.6	−1.4		
			PP	13 53 08.6	−4.7		
			ScP	13 56 59.3	0.8		
MDJ	45.5	3	P	13 51 35.0	0.2		
LSA	45.9	315	P	13 51 37.0	−1.7		
GTA	47.3	331	P	13 51 50.3	0.6		
			ScP	13 57 12.0	2.2		
WMQ	56.8	327	eP	13 53 00.5	−0.1		
			S	14 00 50.5	1.6		
			sS	14 01 05.5	−0.2		
			ScS	14 02 43.5	0.8		
			LN	Ms = 4.7	20.0	0.41
KSH	61.6	317	eP	13 53 35.0	1.0		

1985 8 20
O = 17 28 15.8 ± 0.10s
LAT = 30.41 N ± 1.24km
LONG = 138.06 E ± 1.35km
DEPTH = 470 km
STATIONS USED = 76, STAND DEV = 1.06s
$m_B = 4.4 / 2$

SSE	14.5	277	cP	17 31 21.0	−1.7	
MDJ	15.7	337	P	17 31 35.5	1.2	
			SME	$m_B = 4.4$	5.0	0.46
DL2	15.9	307	+P	17 31 36.6	−0.4	
SNY	16.3	318	−iP	17 31 41.6	1.0	
			S	17 34 30.0	4.0	
NJ2	16.5	.281	+iP	17 31 42.8	0.1	
			eS	17 34 26.0	−4.4	
			iScP	17 38 58.0	2.3	
CN2	16.7	327	+P	17 31 45.3	0.7	
			esP	17 33 40.0	2.9	
			S	17 34 33.0	−0.2	
			SMN	$m_B = 4.4$	6.0	0.40
			SME		6.0	0.40
			ScP	17 38 56.6	0.5	
QZH	18.1	257	eP	17 31 58.4	0.1	
TIA	18.4	294	−P	17 32 01.8	0.1	
BJI	20.3	304	eP	17 32 19.0	−0.2	
WHN	20.4	276	−P	17 32 21.5	0.6	
TIY	22.4	296	P	17 32 39.8	0.4	
			PMZ		0.6	0.060
HHC	23.8	303	P	17 32 52.0	−0.4	
XAN	24.9	286	−iP	17 33 01.3	−0.4	
BTO	24.9	302	eP	17 33 02.0	0.1	
GYA	27.8	270	−P	17 33 27.6	−0.4	
			pP	17 34 47.4	1.9	
			sP	17 35 43.4	0.9	
			PcP	17 36 30.0	0.6	
			S	17 37 36.6	−0.7	
CD2	29.4	280	−P	17 33 42.1	0.1	
			PMZ		0.6	0.24
KMI	31.6	269	eP	17 34 00.0	−0.8	
WMQ	41.7	303	−P	17 35 24.8	0.6	
			S	17 41 07.0	0.3	
			SMN		2.0	0.10
KSH	50.8	298	P	17 36 35.5	1.3	

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1985 8 20
O=18 18 52.1 ± 0.58s
LAT=36.20 N ± 5.68km
LONG= 77.90 E ± 4.13km
DEPTH= 24 km ± 1.53km
STATIONS USED = 10, STAND DEV= 3.40s
M_L=4.1/ 5,

KSH	3.6	335	ePn	18 19 48.5	1.6		
			eSn	18 20 26.5	−3.7		
			SMN	M_L=3.7		0.4	0.22
			SME			0.2	0.15
WMQ	10.7	42	eP	18 21 25.3	−1.8		
			LN			0.7	0.090
GTA	17.6	73	eP	18 22 55.5	−2.3		

1985 8 20
O=20 32 21.2 ± 0.10s
LAT=28.35 N ± 2.13km
LONG=140.90 E ± 2.21km
DEPTH= 33 km ± 0.52km
STATIONS USED = 37, STAND DEV= 1.48s
Ms=5.0/ 13,

SSE	17.3	284	eP	20 36 20.0	−2.5		
			LN	Ms=4.8		10.0	0.91
			LE			10.0	1.49
NJ2	19.4	286	eP	20 36 48.0	0.5		
TIA	21.5	297	P	20 37 08.8	−1.1		
			LN	Ms=4.9		12.0	1.65
			LE			14.0	0.61
			LZ	Ms=4.7		22.0	2.38
WHN	23.2	282	eP	20 37 28.0	1.6		
			LN	Ms=5.4		11.0	2.16
			LE			11.0	4.47
BJI	23.5	306	eP	20 37 29.0	0.1		
			LN	Ms=5.0		16.0	2.20
			LE			16.0	1.78
TIY	25.5	299	+P	20 37 50.0	1.0		
			LN	Ms=5.1		12.0	1.15
			LE			12.0	1.80
XAN	27.9	290	eP	20 38 09.8	−0.6		
			LN	Ms=5.0		15.0	1.98
BTO	28.1	304	eP	20 38 12.0	−0.5		
			LN	Ms=4.8		13.0	0.80
			LE			13.0	0.70
			LZ	Ms=4.9		13.0	1.20
CD2	32.3	284	eP	20 38 49.1	−0.5		
			LN	Ms=5.4		12.0	2.99
GTA	35.6	299	eP	20 39 18.0	0.0		
			LN	Ms=5.1		13.0	1.52
			LZ	Ms=5.0		20.0	1.85
LSA	43.2	284	eP	20 40 23.0	0.9		
WMQ	44.9	305	eP	20 40 34.6	−0.6		
KSH	54.0	300	eP	20 41 47.0	2.2		

1985 8 20
O=20 32 42.9 ± 0.08s
LAT=28.32 N ± 1.51km
LONG=140.72 E ± 1.70km
DEPTH= 37 km ± 0.32km
STATIONS USED = 17, STAND DEV= 1.85s
Ms=5.1/ 4, m_B=5.6/ 2

DL2	19.0	309	P	20 37 06.0	1.0		
			LN	Ms=5.0		12.0	2.67
			LE			14.0	1.84
GZH	25.2	264	eP	20 38 08.0	1.1		
			eS	20 42 28.0	0.9		
			SMN	m_B=5.7		11.0	0.69
			SME			11.0	2.10
			LN	Ms=4.8		10.0	0.79
			LE			12.0	0.77
GYA	30.2	275	eP	20 38 52.8	−0.2		
			S	20 43 43.0	−4.9		
			LN	Ms=5.5		16.0	3.80
			LE			16.0	4.00
LZH	32.0	293	eP	20 39 08.0	−0.6		
			LE	Ms=5.2		14.0	2.14
KMI	34.0	274	eP	20 39 26.5	0.7		
			PMZ	m_B=5.4		6.0	0.40
			eS	20 44 42.5	−5.2		

1985 8 21
O=09 51 46.4 ± 0.10s
LAT= 3.10 N ± 1.04km
LONG=126.82 E ± 2.04km
DEPTH= 39 km ± 1.05km
STATIONS USED = 37, STAND DEV= 1.25s

QZN	22.9	315	eP	09 56 48.6	0.1
GZH	23.8	328	−P	09 56 57.0	0.4
XAN	35.0	334	P	09 58 36.2	−1.6
CD2	35.2	324	eP	09 58 38.4	−1.0
TIY	36.9	341	P	09 58 52.4	−1.3
BJI	38.0	347	−P	09 59 03.0	0.0
SNY	38.7	356	eP	09 59 09.4	1.0
LZH	39.1	330	eP	09 59 12.5	0.3
LSA	42.9	312	P	09 59 43.6	−0.5
GTA	43.7	329	eP	09 59 48.9	−1.0
WMQ	53.3	325	+P	10 01 03.5	−0.9
			eS	10 08 27.0	−4.8

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1985 8 21
O=10 43 22.9 ± 0.13s
LAT=16.10 S ± 2.43km
LONG=178.92 W ± 2.23km
DEPTH= 33 km ± 0.39km
STATIONS USED = 67, STAND DEV= 1.56s
Ms=5.4/12, m_B=5.7/ 5

QZH	73.3	303	eP	10 54 50.2	−3.3		
			eS	11 04 10.0	−9.0		
			LE	Ms=5.5		22.0	1.58
SSE	74.2	310	P	10 55 00.5	1.6		
NJ2	76.4	309	−P	10 55 12.0	0.5		
			S	11 04 49.0	−3.2		
			LZ	Ms=5.3		18.0	0.90
MDJ	76.4	325	eP	10 55 11.0	−0.6		
			S	11 04 56.0	3.6		
			SME	m_B=5.7		8.0	0.44
			LZ	Ms=5.5		23.0	1.90
GZH	76.8	299	eP	10 55 14.5	0.7		
DL2	77.9	317	eP	10 55 15.0	−5.1		
			LN	Ms=5.3		16.0	0.76
QZN	78.3	294	eP	10 55 22.0	0.1		
			S	11 05 13.0	0.7		
			sS	11 05 26.5	−3.3		
SNY	78.3	320	eP	10 55 21.3	−0.7		
			S	11 05 20.5	8.0		
			LN	Ms=5.4		18.0	1.01
			LE			25.0	0.79
CN2	78.3	322	+P	10 55 20.9	−1.1		
			eS	11 05 10.0	−4.2		
			SMN	m_B=5.9		9.0	0.60
			SME			9.0	0.70
			LN	Ms=5.3		14.0	0.70
WHN	79.1	306	eP	10 55 26.5	−0.2		
			SKS	11 05 32.0	−1.8		
			LN	Ms=6.0		23.0	3.46
			LE			20.0	2.66
TIA	79.7	312	P	10 55 29.3	−0.3		
			eS	11 05 35.0	6.3		
			SMN	m_B=5.5		9.0	0.36
			LN	Ms=5.4		30.0	0.94
			LE			40.0	1.53
			LZ	Ms=5.4		40.0	2.12
BJI	82.2	315	eP	10 55 42.0	−0.6		
			eS	11 05 51.0	−3.4		
			SMN	m_B=5.4		11.0	0.31
TIY	83.7	312	eP	10 55 53.0	2.4		
			SMN	m_B=5.8		9.0	0.47
			SME			9.0	0.59
			LN	Ms=5.6		17.0	0.80
			LE			19.0	1.05
GYA	83.7	300	P	10 55 51.0	0.2		
XAN	84.8	307	eP	10 55 56.4	0.4		
			SKS	11 06 20.0	7.0		
HHC	85.7	315	P	10 56 01.0	0.6		
KMI	86.6	297	+P	10 56 05.0	0.0		
			pP	10 56 15.0	0.6		
			S	11 06 41.0	4.6		
			LZ	Ms=5.8		20.0	2.59
BTO	86.6	314	eP	10 56 05.0	−0.1		
			SKS	11 06 28.0	2.7		
			S	11 06 36.0	−0.9		
CD2	87.7	303	eP	10 56 10.8	0.6		
			eS	11 06 43.5	−5.2		
GTA	93.5	310	eP	10 56 37.2	−0.3		
			SKS	11 07 15.0	8.5		
			LZ	Ms=5.5		40.0	1.93
WMQ	103.4	312	eP	10 57 25.2	3.1		
			PP	11 01 38.0	−1.4		

1985 8 21
O=11 26 27.8 ± 0.25s
LAT= 9.13 S ± 3.54km
LONG= 78.83 W ± 5.81km
DEPTH= 53 km ± 2.02km
STATIONS USED =100, STAND DEV= 2.67s
Ms=6.2/23, m_B=6.2/ 2

MDJ	136.9	330	ePKP	11 45 42.7	−3.0		
			PP	11 48 32.0	0.2		
			LZ	Ms=6.2		25.0	3.91
CN2	139.5	333	ePKP	11 45 45.5	−4.9		
			PKS	11 49 20.0			
			SKKS	11 55 16.0			
			LE	Ms=6.0		17.0	1.50
SNY	141.9	332	+PKP	11 45 50.0	−4.6		
			sPKP	11 46 36.9			
			SKKS	11 55 42.0			
			LN	Ms=6.2		27.0	2.05
			LE			24.0	3.08
KSH	142.3	33	ePKP	11 45 52.0	−3.5		
			PP	11 49 03.0	−2.2		
			SKS	11 52 47.0	−9.5		
			eSKKS	11 55 46.0			
			LE	Ms=6.5		17.0	5.20
WMQ	143.5	16	PKP	11 45 55.0	−2.4		
			pPKP	11 46 11.5	−0.4		
			sPKP	11 46 26.0			
			PP	11 49 08.0	−4.1		
			PKS	11 49 32.0			
			SKS	11 53 04.0	5.8		

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			LZ	Ms=6.3		44.0	7.77
DL2	145.1	332	−PKP	11 45 59.0	−1.2		
			sPKP	11 46 27.0			
			PP	11 49 20.5	−1.4		
			SKKS	11 56 03.0			
			LN	Ms=6.1		18.0	1.78
BJI	146.4	339	ePKP	11 46 04.0	1.6		
			PP	11 49 34.0	4.3		
			SKKS	11 59 09.0			
HHC	147.1	345	+PKP	11 46 05.4	1.7		
			PKP_2	11 46 08.0			
			PP	11 49 30.0	−3.6		
			PPMZ	m_B=6.3		7.0	1.43
			LN	Ms=6.6		23.0	4.91
			LE			22.0	5.30
BTO	147.7	347	PKP	11 46 07.5	2.9		
			PKP_2	11 46 11.5			
			PP	11 49 35.0	−2.3		
			PPMZ	m_B=6.0		7.0	0.70
TIA	149.4	334	ePKP	11 46 08.4	1.2		
			LN	Ms=6.2		35.0	3.27
			LE			25.0	2.29
			LZ	Ms=6.1		40.0	4.34
TIY	149.8	342	ePKP	11 46 09.0	1.1		
			sPKP	11 46 44.5			
			PKS	11 49 43.5			
			SKKS	11 56 33.0			
			SS	12 08 50.5	−6.3		
			LN	Ms=6.2		19.0	1.32
			LE			20.0	2.44
GTA	149.8	2	−PKP	11 46 01.0	−7.1		
			PP	11 49 47.0	−1.9		
SSE	151.3	322	PKP	11 46 11.0	0.9		
			PKP_2	11 46 30.0			
			sPKP	11 46 48.0			
			PP	11 50 06.0	8.5		
			LN	Ms=6.5		26.0	6.99
			LE			24.0	2.71
			LZ	Ms=6.4		20.0	4.50
NJ2	151.9	327	+PKP	11 46 14.3	3.3		
			LE	Ms=6.2		21.0	2.70
			LZ	Ms=6.1		24.0	2.70
LZH	153.1	355	−PKP	11 46 14.5	1.6		
			PKP_2	12 06 34.0			
			PP	11 50 06.0	−1.3		
			PPMZ			14.0	1.34
			SKKS	11 56 36.0			
			LN	Ms=6.3		23.0	1.73
			LE			24.0	3.36
XAN	154.2	345	ePKP	11 46 15.0	0.7		
			sPKP	11 46 47.5			
QZH	157.1	316	PKP	11 46 17.0	−1.2		
			ePP	11 50 32.0	2.2		
			SKKS	11 57 11.0			
			SS	12 10 21.0	4.4		
			LE	Ms=6.3		28.0	4.89
LSA	157.5	23	−PKP	11 46 20.0	0.9		
			pPKP	11 46 39.0	5.5		
			PP	11 50 27.0	−4.8		
			LN	Ms=6.3		22.0	3.85
CD2	158.2	354	ePKP	11 46 21.9	2.3		
			PKP_2	11 46 57.0			
			PP	11 50 32.0	−4.1		
			SS	12 10 29.0	0.8		
			LE	Ms=6.4		28.0	5.78
GZH	161.9	321	−PKP	11 46 26.0	2.5		
			ePP	11 50 57.0	1.6		
			SKKS	11 57 38.0			
			SS	12 11 12.0	5.3		
			LE	Ms=6.1		26.0	3.17
			LZ	Ms=6.1		28.0	3.33
GYA	162.0	344	PKP	11 46 25.0	1.3		
			pPKP	11 46 42.8	4.3		
			PP	11 50 54.0	−2.0		
			LE	Ms=6.3		20.0	3.40
KMI	164.0	355	+PKP	11 46 27.5	1.6		
			PKP_2	11 47 17.5			
			PP	11 51 02.0	−5.1		
			LE	Ms=6.2		22.0	3.59
QZN	167.1	320	−PKP	11 46 30.0	1.7		
			PKP_2	11 47 52.0			
			PP	11 51 22.5	0.2		
			SKKS	11 58 09.0			
			LN	Ms=6.3		31.0	5.80

1985 8 21

O=12 28 28.8 ± 0.14s
LAT=39.89 N ± 1.66km
LONG= 74.36 E ± 1.10km
DEPTH= 22 km ± 0.64km
STATIONS USED = 17, STAND DEV= 2.89s
M_L=4.6/ 4,

KSH	1.3	109	+iPg	12 28 53.5	0.8		
			Sg	12 29 11.0	0.2		
WMQ	10.7	64	eP	12 31 02.5	−1.7		
			LN			3.0	0.44
GTA	19.6	83	+P	12 32 59.5	0.7		
			LN			1.3	0.020

1985 8 21

O = 16 15 40.3 ± 0.15s
LAT = 22.68 S ± 3.61km
LONG = 175.20 W ± 4.75km
DEPTH = 7 km ± 0.76km
STATIONS USED = 14, STAND DEV = 2.69s

MDJ	83.8	324	eP	16 28 09.0	−3.6		
CN2	85.6	321	P	16 28 21.3	−0.4		
BJI	89.3	314	eP	16 28 39.0	−0.4		
GYA	90.0	299	P	16 28 44.0	1.1		
KMI	92.6	296	+P	16 28 57.0	1.7		

1985 8 21
O = 16 38 02.4 ± 0.05s
LAT = 71.99 N ± 0.73km
LONG = 1.30 W ± 0.85km
DEPTH = 11 km ± 0.11km
STATIONS USED = 52, STAND DEV = 0.87s
Ms = 5.0 / 5,

WMQ	48.7	74	eP	16 46 51.0	1.5		
			eS	16 53 54.0	2.6		
			LN	Ms = 5.2		16.0	1.26
KSH	49.1	87	eP	16 46 54.0	1.4		
			eS	16 54 01.0	4.1		
GTA	56.3	66	P	16 47 46.4	0.0		
			LN	Ms = 4.9		28.0	0.78
HHC	58.2	55	P	16 48 00.4	1.0		
CN2	58.6	43	−P	16 48 02.0	−0.4		
			eS	16 56 03.0	−2.2		
			LE	Ms = 5.2		15.0	0.80
MDJ	58.7	39	eP	16 48 03.0	0.1		
BJI	60.1	52	eP	16 48 12.5	0.0		
SNY	60.1	45	eP	16 48 11.8	−0.9		
			LN	Ms = 5.0		26.0	1.00
LZH	60.6	64	eP	16 48 16.5	0.5		
XAN	63.9	60	P	16 48 37.6	−0.5		
NJ2	68.3	52	eP	16 49 06.0	−0.5		
			LZ	Ms = 5.0		21.0	0.60
WHN	68.6	57	P	16 49 08.2	−0.1		
GYA	70.4	65	P	16 49 19.4	0.0		

1985 8 21
O = 19 36 08.1 ± 0.09s
LAT = 23.01 S ± 2.03km
LONG = 69.17 E ± 2.11km
DEPTH = 10 km ± 0.04km
STATIONS USED = 64, STAND DEV = 1.40s
Ms = 5.1 / 1,

LSA	56.5	23	eP	19 45 52.9	−1.0		
KMI	57.9	36	−P	19 46 03.0	−0.3		
GYA	61.1	39	P	19 46 25.2	−0.4		
KSH	62.5	6	eP	19 46 34.0	−0.7		
			eS	19 54 58.0	−2.7		
CD2	63.0	33	eP	19 46 37.8	−0.7		
LZH	67.3	30	eP	19 47 04.5	−1.6		
XAN	68.2	35	eP	19 47 09.0	−2.5		
GTA	68.4	25	−iP	19 47 13.2	0.3		
WMQ	68.6	14	+P	19 47 14.0	−0.4		
			S	19 56 18.5	3.8		
			ScS	19 57 13.5	3.8		
			LZ	Ms = 5.1		20.0	0.73
WHN	68.7	41	eP	19 47 15.0	0.6		
NJ2	72.5	43	+P	19 47 37.4	−0.2		
TIY	72.8	35	eP	19 47 39.5	−0.2		
BTO	73.8	31	eP	19 47 45.5	−0.1		
TIA	74.3	39	+P	19 47 48.2	−0.1		
HHC	74.7	32	eP	19 47 50.5	−0.5		
BJI	76.5	35	eP	19 48 01.0	0.1		
SNY	81.8	38	eP	19 48 28.4	−1.2		
CN2	84.1	37	eP	19 48 40.0	−1.6		
MDJ	87.0	38	eP	19 48 55.0	−0.7		

1985 8 21
O = 21 09 06.6 ± 0.08s
LAT = 22.94 S ± 1.99km
LONG = 69.07 E ± 1.82km
DEPTH = 9 km ± 0.06km
STATIONS USED = 68, STAND DEV = 1.25s
Ms = 5.0 / 2,

LSA	56.5	23	eP	21 18 51.8	−0.6		
KMI	57.9	36	+P	21 19 02.0	0.0		
GYA	61.1	39	P	21 19 23.6	−0.7		
KSH	62.4	6	eP	21 19 33.0	0.0		
CD2	63.0	33	eP	21 19 36.2	−0.9		
LZH	67.3	30	eP	21 20 05.0	0.2		
XAN	68.2	35	P	21 20 09.0	−1.2		
GTA	68.4	25	eP	21 20 10.9	−0.6		
			LN	Ms = 4.7		24.0	0.36
WMQ	68.6	14	eP	21 20 13.0	0.1		
			eS	21 29 15.0	0.4		
			ScS	21 30 10.0	1.8		
			LZ	Ms = 5.3		20.0	1.10
WHN	68.7	41	eP	21 20 13.5	0.3		
TIY	72.8	35	eP	21 20 38.4	0.0		
SSE	73.4	45	eP	21 20 42.0	0.5		
BTO	73.8	31	eP	21 20 44.1	−0.1		
TIA	74.3	39	−P	21 20 46.7	−0.4		
HHC	74.7	32	eP	21 20 50.0	0.3		
BJI	76.5	35	eP	21 20 59.0	−0.6		
SNY	81.8	38	eP	21 21 26.2	−2.1		
CN2	84.1	37	eP	21 21 39.3	−1.0		

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MDJ	87.0	39	eP	21 21 55.3	0.9

1985 8 22
O = 02 01 01.3 ± 0.04s
LAT = 22.16 S ± 1.37km
LONG = 169.54 E ± 1.05km
DEPTH = 35 km ± 0.36km
STATIONS USED = 19, STAND DEV = 1.08s

DL2	75.5	323	eP	02 12 45.3	0.7
CN2	77.1	329	eP	02 12 53.2	−0.4
BJI	79.4	321	eP	02 13 06.0	−0.2
KMI	80.1	302	eP	02 13 11.0	0.9
XAN	80.3	313	eP	02 13 10.8	−0.3

1985 8 22
O = 06 20 30.3 ± 0.07s
LAT = 36.09 N ± 1.32km
LONG = 70.75 E ± 1.29km
DEPTH = 86 km ± 0.85km
STATIONS USED = 23, STAND DEV = 1.73s
M_L = 4.6 / 2,

KSH	5.3	49	eP	06 21 52.0	2.7
			S	06 22 53.0	3.3
WMQ	15.1	54	eP	06 24 00.5	0.1
GTA	23.2	73	P	06 25 32.4	2.0
CD2	27.9	91	eP	06 26 16.0	1.1
XAN	31.2	82	eP	06 26 43.6	−0.2
GYA	32.0	97	eP	06 26 51.0	−0.1

1985 8 22
O = 12 00 18.5 ± 0.06s
LAT = 10.30 S ± 0.74km
LONG = 161.58 E ± 0.70km
DEPTH = 68 km ± 0.68km
STATIONS USED = 20, STAND DEV = 1.13s

DL2	61.5	325	eP	12 10 33.6	2.7
MDJ	61.8	335	eP	12 10 34.0	0.6
CN2	63.1	331	eP	12 10 40.5	−1.1
BJI	65.4	323	eP	12 10 56.0	−0.6
XAN	66.6	314	P	12 11 04.4	−0.2
GTA	75.6	315	eP	12 11 59.5	0.7

1985 8 22
O = 13 07 17.7 ± 0.11s
LAT = 5.12 N ± 1.83km
LONG = 127.62 E ± 2.86km
DEPTH = 154 km ± 0.29km
STATIONS USED = 18, STAND DEV = 1.96s

QZN	22.2	310	P	13 12 01.1	−0.9
GYA	29.2	319	eP	13 13 06.8	−0.4
XAN	33.6	331	+P	13 13 44.7	−1.0
CD2	34.1	322	eP	13 13 49.3	−0.5
BJI	36.3	345	eP	13 14 07.5	−0.6
GTA	42.4	328	+iP	13 14 59.6	0.6
WMQ	52.1	324	+iP	13 16 15.0	0.3

1985 8 22
O = 17 04 55.2 ± 0.17s
LAT = 25.47 N ± 2.32km
LONG = 95.98 E ± 1.74km
DEPTH = 81 km ± 0.13km
STATIONS USED = 14, STAND DEV = 3.69s
Ms = 3.8 / 2,

LSA	6.0	316	eP	17 06 23.5	−0.4		
			LE	Ms = 3.5		8.0	0.42
GYA	9.7	82	eP	17 07 19.2	5.5		
GTA	14.3	12	eP	17 08 21.9	7.0		
			LE	Ms = 4.0		16.0	0.64
WMQ	19.5	342	P	17 09 21.0	2.1		
			sP	17 09 46.5	1.4		
			S	17 12 54.0	4.8		
TIA	21.0	54	eP	17 09 32.1	−2.5		

1985 8 22
O = 19 29 58.3 ± 0.12s
LAT = 22.26 S ± 2.99km
LONG = 174.76 W ± 2.36km
DEPTH = 33 km ± 0.18km
STATIONS USED = 70, STAND DEV = 1.63s
Ms = 5.5 / 5, m_B = 6.0 / 6

GZH	83.2	298	+P	19 42 24.0	0.6		
NJ2	83.3	308	−P	19 42 23.8	−0.2		
MDJ	83.7	324	+P	19 42 26.5	0.5		
QZN	84.3	293	eP	19 42 31.0	1.9		
			eS	19 52 52.0	0.4		
			SME			14.0	1.30
DL2	85.1	315	+P	19 42 32.5	−0.4		
SNY	85.5	319	+iP	19 42 34.0	−0.9		
			sP	19 42 51.0	2.5		
			eS	19 53 04.0	0.8		
			SMN			19.0	1.43
			SME			18.0	1.24
			LE	Ms = 5.4		19.0	0.95
CN2	85.5	321	+iP	19 42 35.1	0.0		
			PMZ	m_B = 6.4		4.0	1.60
			eS	19 53 03.0	−0.6		
			SMN	m_B = 6.1		6.0	0.80
			SME			7.0	0.80
			LE	Ms = 5.6		20.0	1.60
WHN	85.9	305	eP	19 42 37.5	0.5		

TIA	86.7	311	+P	19 42 40.8	0.0		
			PMZ	m_B=5.7	10.0	0.77	
			SKS	19 53 09.8	8.7		
			SMN		20.0	0.78	
			SME		20.0	1.00	
			LE	Ms=5.4	15.0	0.70	
			LZ	Ms=5.6	15.0	1.12	
BJI	89.3	314	eP	19 42 53.0	−0.1		
			PMZ	m_B=6.2	4.0	0.66	
			epP	19 43 04.0	1.1		
			eSKS	19 53 20.0	2.7		
			S	19 53 40.0	2.9		
			SMN	m_B=5.7	11.0	0.62	
			SME		11.0	0.58	
GYA	90.1	299	P	19 42 58.0	0.6		
TIY	90.7	311	P	19 43 00.8	0.8		
			SKS	19 53 34.5	8.6		
			SMN	m_B=5.9	9.0	0.64	
			SME		10.0	0.81	
XAN	91.6	306	+P	19 43 04.6	0.5		
HHC	92.7	313	P	19 43 09.6	0.1		
KMI	92.8	296	+iP	19 43 11.0	1.0		
			PMŹ		1.5	0.10	
			sP	19 43 28.0	4.6		
			eS	19 54 14.0	3.0		
BTO	93.7	312	eP	19 43 13.5	−0.2		
			SKS	19 53 46.0	3.2		
			S	19 54 17.0	0.8		
CD2	94.3	302	eP	19 43 17.2	0.9		
LZH	96.2	306	+P	19 43 26.0	0.6		
GTA	100.4	308	P	19 43 44.8	0.4		
			LZ	Ms=5.5	18.0	0.84	

1985 8 23
O=00 19 58.0 ± 0.08s
LAT= 2.73 S ± 0.58km
LONG=103.46 E ± 0.98km
DEPTH=316 km ± 0.82km
STATIONS USED = 9, STAND DEV= 1.17s

GTA	42.1	356	iP	00 27 23.0	1.3		
CN2	50.4	21	eP	00 28 25.5	−0.4		

1985 8 23
O=02 01 17.8 ± 0.06s
LAT=29.07 N ± 0.60km
LONG=100.80 E ± 0.52km
DEPTH= 14 km ± 0.04km
STATIONS USED = 8, STAND DEV= 1.97s
M_L=3.1/ 5,

CD2	3.2	54	ePn	02 02 06.4	−1.1		
			Pg	02 02 11.1	−2.4		
			Sn	02 02 45.6	−1.2		
			SMN	M_L=3.4		1.0	0.20
			SME			0.9	0.070
GYA	5.8	115	Pg	02 03 01.0	0.3		

1985 8 23
O=03 19 58.3 ± 0.17s
LAT=25.21 N ± 1.70km
LONG= 97.63 E ± 1.34km
DEPTH= 28 km ± 0.42km
STATIONS USED = 32, STAND DEV= 2.59s
Ms=4.8/ 5, M_L=4.5/ 4,

LSA	7.3	309	eP	03 21 45.0	−1.2		
			LN	Ms=4.1		8.0	0.83
			LE			10.0	0.98
CD2	7.8	42	eP	03 21 55.0	1.5		
			S	03 23 20.0	−2.0		
			LE	Ms=4.9		8.0	5.93
GYA	8.2	79	P	03 22 00.4	1.3		
XAN	13.2	46	eP	03 23 02.4	−4.1		
			LN	Ms=5.0		11.0	4.50
			LE			11.0	2.03
GTA	14.3	7	eP	03 23 22.0	1.0		
WHN	15.7	66	eP	03 23 39.0	−0.5		
TIY	17.7	42	eP	03 24 07.2	2.3		
			S	03 27 19.5	1.0		
			SS	03 27 46.5	5.6		
			LN	Ms=4.8		11.0	1.56
			LE			12.0	1.03
BTO	18.5	31	eP	03 24 15.0	0.2		
TIA	20.0	52	eP	03 24 31.2	−0.5		
WMQ	20.3	339	P	03 24 34.0	−0.6		
BJI	21.4	42	eP	03 24 46.0	−0.7		
			S	03 28 35.0	−2.6		
			LN	Ms=4.7		9.0	0.62
			LE			9.0	0.70
KSH	23.1	313	P	03 25 07.0	3.9		
			eS	03 29 13.0	4.6		
SNY	27.1	46	eP	03 25 40.3	−0.8		
CN2	29.3	44	eP	03 26 00.0	−0.7		

1985 8 23
O=05 53 27.1 ± 0.06s
LAT= 8.37 S ± 0.74km
LONG=119.69 E ± 0.94km
DEPTH=192 km ± 0.38km
STATIONS USED = 17, STAND DEV= 1.11s

GYA	36.9	340	+P	06 00 20.4	1.3
NJ2	40.2	359	+P	06 00 48.3	1.7

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CD2	41.9	339	eP	06 01 01.7	0.8		
XAN	43.4	347	+P	06 01 13.0	0.3		
BJI	48.3	356	P	06 01 50.0	−1.0		
GTA	51.0	340	P	06 02 12.4	0.6		

1985 8 23
O = 08 32 53.5 ± 0.10s
LAT = 39.43 N ± 2.37km
LONG = 75.27 E ± 1.29km
DEPTH = 9 km ± 0.61km
STATIONS USED = 47, STAND DEV = 2.42s
Ms = 5.0 / 10, M_L = 5.0 / 7, m_B = 5.2 / 1

KSH	0.6	87	+iPg	08 33 04.0	0.5		
WMQ	10.3	61	cP	08 35 25.0	0.3		
			S	08 37 21.0	0.1		
			LN	Ms = 5.3		8.0	9.78
LSA	16.3	122	cP	08 36 42.0	−2.6		
			S	08 39 44.5	0.3		
			SME	m_B = 5.2		4.0	0.62
			LN	Ms = 4.6		12.0	1.48
GTA	19.0	82	P	08 37 16.2	−1.7		
			LE	Ms = 4.8		9.0	1.50
LZH	22.8	89	cP	08 37 58.5	0.2		
			PMZ			1.0	0.10
			cS	08 42 04.0	0.9		
			LN	Ms = 4.8		10.0	1.20
			LE			19.0	1.23
CD2	24.7	101	eP	08 38 17.6	0.8		
BTO	26.5	76	eP	08 38 35.0	1.0		
			LN	Ms = 5.2		15.0	2.50
			LE			14.0	1.50
			LZ	Ms = 5.2		14.0	2.80
KMI	27.1	113	eP	08 38 42.0	2.5		
			LE	Ms = 5.0		16.0	2.35
XAN	27.4	91	eP	08 38 40.4	−1.4		
BJI	31.3	76	eP	08 39 16.5	0.1		
			S	08 44 20.0	−1.4		
			LN	Ms = 4.9		11.0	0.93
TIA	33.0	82	eP	08 39 35.4	3.8		
			eS	08 44 55.0	5.6		
			LN	Ms = 5.0		15.0	1.40
WHN	33.0	93	eP	08 39 35.0	3.4		
CN2	37.3	67	eP	08 40 12.0	3.7		
MDJ	40.1	64	eP	08 40 33.0	1.7		

1985 8 23
O = 09 25 48.2 ± 0.16s
LAT = 42.72 N ± 1.38km
LONG = 74.49 E ± 1.48km
DEPTH = 26 km ± 2.70km
STATIONS USED = 9, STAND DEV = 3.56s
M_L = 4.5 / 4,

KSH	3.5	160	cPn	09 26 42.4	1.4		
			Sn	09 27 23.5	0.8		
			SMN	M_L = 4.5		0.8	1.40
			SME			0.5	1.24
WMQ	9.7	79	cP	09 28 04.6	−4.9		
			SMN			1.0	0.040
GTA	19.4	91	P	09 30 15.6	0.5		

1985 8 23
O = 09 43 43.5 ± 0.29s
LAT = 51.37 N ± 1.45km
LONG = 174.95 W ± 0.89km
DEPTH = 48 km ± 2.20km
STATIONS USED = 16, STAND DEV = 1.61s

CN2	39.9	283	−P	09 51 14.0	−1.0
SNY	42.2	282	eP	09 51 32.4	−1.0
DL2	45.1	280	eP	09 51 57.0	−0.1
BJI	47.7	285	eP	09 52 18.0	−0.1
XAN	56.0	284	eP	09 53 19.2	−1.2
CD2	61.3	284	eP	09 53 56.8	−0.5
LSA	69.7	292	eP	09 54 49.5	−2.0

1985 8 23
O = 10 10 57.1 ± 0.09s
LAT = 51.43 N ± 2.45km
LONG = 174.93 W ± 0.86km
DEPTH = 33 km ± 0.89km
STATIONS USED = 39, STAND DEV = 1.23s

CN2	39.9	283	+P	10 18 29.6	−0.5
SNY	42.1	282	eP	10 18 49.3	0.8
DL2	45.1	280	eP	10 19 12.2	−0.1
BJI	47.7	285	eP	10 19 33.5	0.3
TIA	49.6	280	eP	10 19 47.5	0.1
TIY	51.5	285	P	10 20 03.3	1.4
XAN	56.0	284	P	10 20 35.1	−0.4
GTA	57.8	294	P	10 20 47.6	−0.6
CD2	61.3	284	eP	10 21 12.8	0.3
WMQ	61.3	305	eP	10 21 12.0	−0.6
GYA	62.7	279	P	10 21 21.4	−0.5
LSA	69.7	292	eP	10 22 06.3	−0.4

1985 8 23
O = 10 52 33.6 ± 0.21s
LAT = 51.39 N ± 1.78km
LONG = 174.78 W ± 1.02km
DEPTH = 36 km ± 1.78km
STATIONS USED = 31, STAND DEV = 1.06s

MDJ	37.0	282	eP	10 59 42.0	−0.5

CN2	40.0	283	eP	11 00 06.5	−0.7
SNY	42.2	282	eP	11 00 26.0	0.4
DL2	45.2	280	eP	11 00 48.6	−0.7
BJI	47.8	285	eP	11 01 10.0	−0.2
TIA	49.6	280	eP	11 01 24.7	0.3
TIY	51.6	285	P	11 01 39.8	0.9
XAN	56.1	284	eP	11 02 11.8	−0.7
GTA	57.9	294	P	11 02 24.0	−1.1
WMQ	61.4	305	eP	11 02 48.5	−0.9
CD2	61.4	285	eP	11 02 49.8	0.4
GYA	62.8	279	P	11 02 58.4	−0.4

1985 8 23
O = 11 03 52.3 ± 0.13s
LAT = 51.44 N ± 2.14km
LONG = 174.86 W ± 0.98km
DEPTH = 29 km ± 1.29km
STATIONS USED = 34, STAND DEV = 1.11s

MDJ	37.0	282	eP	11 11 01.5	0.1
CN2	40.0	283	+P	11 11 25.6	−0.5
SNY	42.2	282	eP	11 11 45.2	0.6
DL2	45.1	280	eP	11 12 08.6	0.3
BJI	47.8	285	eP	11 12 29.5	0.3
TIA	49.6	280	eP	11 12 43.5	0.1
TIY	51.5	285	P	11 12 59.2	1.3
XAN	56.1	284	eP	11 13 30.0	−1.6
GTA	57.8	294	P	11 13 43.7	−0.5
WMQ	61.4	305	eP	11 14 06.5	−2.0
CD2	61.4	284	eP	11 14 07.7	−0.8
GYA	62.8	279	P	11 14 18.0	0.1
LSA	69.7	292	eP	11 15 01.6	−1.0

1985 8 23
O = 11 16 01.8 ± 0.16s
LAT = 51.37 N ± 1.97km
LONG = 174.92 W ± 1.10km
DEPTH = 31 km ± 1.52km
STATIONS USED = 24, STAND DEV = 1.43s

CN2	39.9	283	+P	11 23 34.4	−0.8
SNY	42.2	282	eP	11 23 55.0	1.4
DL2	45.1	280	eP	11 24 16.0	−1.4
BJI	47.7	285	eP	11 24 39.0	0.7
TIA	49.6	280	eP	11 24 52.4	0.0
TIY	51.5	285	eP	11 25 08.3	1.3
XAN	56.0	284	eP	11 25 40.1	−0.5
GTA	57.8	294	−P	11 25 53.2	−0.1
CD2	61.3	284	eP	11 26 16.6	−1.0
WMQ	61.4	305	eP	11 26 17.5	−0.3
GYA	62.7	279	P	11 26 27.2	0.2

1985 8 23
O = 12 41 55.4 ± 0.09s
LAT = 39.53 N ± 2.01km
LONG = 75.32 E ± 1.26km
DEPTH = 7 km ± 0.63km
STATIONS USED = 139, STAND DEV = 1.78s
Ms = 7.1 / 24, m_B = 6.5 / 8

KSH	0.5	98	+iPg	12 42 04.5	−0.3		
WMQ	10.2	61	eP	12 44 24.0	−1.7		
			S	12 46 21.0	−0.1		
			LN	Ms = 7.2		7.0	724
LSA	16.3	122	+iP	12 45 45.0	−2.0		
			S	12 48 54.5	7.6		
			SMN	m_B = 6.7		5.0	23.8
			LN	Ms = 6.5		9.0	91.8
GTA	18.9	83	−P	12 46 16.8	−2.6		
LZH	22.8	90	eP	12 47 00.0	0.0		
			sP	12 47 08.5	0.9		
			cS	12 51 07.0	2.3		
			LN	Ms = 7.3		21.0	113
			LE			20.0	661
CD2	24.7	102	−P	12 47 20.0	1.2		
			iS	12 51 36.0	−2.3		
			LN	Ms = 7.2		9.0	240
BTO	26.5	76	+iP	12 47 38.0	2.4		
			pP	12 47 44.0	3.7		
			S	12 52 10.0	2.9		
			SMN	m_B = 7.1		12.0	47.8
			SME			12.0	45.5
			sS	12 52 20.0	4.0		
			SS	12 53 21.0	4.6		
KMI	27.1	114	eP	12 47 40.0	−1.7		
			pP	12 47 45.0	−1.4		
			PP	12 48 24.0	−3.1		
			S	12 52 13.0	−4.8		
			sS	12 52 21.0	−5.7		
			SS	12 53 25.0	−7.0		
			LE	Ms = 7.1		14.0	221
XAN	27.4	91	P	12 47 44.0	0.4		
			pP	12 47 49.0	0.5		
			sP	12 47 52.0	0.7		
			PP	12 48 35.0	4.8		
			S	12 52 26.0	4.5		
			SMN	m_B = 6.5		10.0	5.25
			SME			12.0	13.9
			LE	Ms = 6.7		11.0	77.0
HHC	27.6	75	+P	12 47 48.0	2.1		
			SMN	m_B = 7.2		12.0	36.8
			SME			15.0	69.9
			LE	Ms = 6.9		11.0	124

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TIY	28.9	82	P	12 48 00.6	2.8		
			PMZ			1.5	0.42
			sP	12 48 10.0	4.6		
			PP	12 48 57.0	6.6		
			S	12 52 51.0	4.4		
			LN	Ms=7.3		13.0	240
			LE			14.0	255
GYA	29.2	107	P	12 48 00.4	0.2		
			pP	12 48 05.0	0.1		
			PP	12 48 53.0	−0.8		
			S	12 52 48.0	−2.8		
			LN	Ms=6.1		16.0	16.4
			LE			16.0	20.5
BJI	31.2	76	eP	12 48 17.5	−0.5		
			pP	12 48 22.0	−1.0		
			PP	12 49 20.0	−0.1		
			S	12 53 20.0	−2.8		
			sS	12 53 30.0	−2.0		
			LN	Ms=7.5		14.0	378
			LE			12.0	212
TIA	33.0	82	eP	12 48 35.1	1.8		
			sP	12 48 45.0	4.0		
			PP	12 49 46.0	3.1		
			S	12 53 54.0	4.0		
			SS	12 55 58.0	9.1		
			LN	Ms=7.9		16.0	1201
			LE			13.0	345
WHN	33.0	94	eP	12 48 34.5	1.0		
			LE	Ms=6.9		16.0	117
DL2	35.6	76	P	12 48 59.0	3.1		
			epP	12 49 05.0	4.1		
			ePP	12 50 20.5	5.2		
			PcP	12 51 26.5	2.1		
			S	12 54 35.5	4.8		
			sS	12 54 46.0	6.2		
			LN	Ms=7.3		16.0	202
			LE			16.0	159
NJ2	35.8	88	+P	12 49 00.4	2.5		
			S	12 54 35.0	0.6		
			LZ	Ms=7.0		32.0	290
QZN	36.1	114	eP	12 48 59.0	−1.1		
			pP	12 49 04.0	−1.1		
			PP	12 50 19.0	−2.4		
			PcP	12 51 32.0	6.1		
			S	12 54 33.0	−5.3		
			sS	12 54 44.0	−3.5		
			PcS	12 55 15.0	2.8		
			LN	Ms=7.3		17.0	155
			LE			18.0	246
GZH	36.1	106	+P	12 49 01.0	0.8		
			PMZ	m_B=6.3		5.0	2.80
			S	12 54 42.0	3.6		
			LN	Ms=7.0		15.0	59.9
			LE			15.0	102
SNY	36.3	70	eP	12 49 02.5	0.5		
			PMZ	m_B=6.0		5.0	1.50
			pP	12 49 09.0	2.1		
			PP	12 50 26.0	1.8		
			S	12 54 35.0	−6.7		
			ScS	12 59 15.6	−1.1		
			LZ	Ms=7.0		14.0	104
CN2	37.2	67	−P	12 49 10.3	0.4		
			PMZ	m_B=5.2		8.5	0.40
			pP	12 49 16.0	1.2		
			sP	12 49 19.0	1.4		
			cPP	12 50 40.0	3.6		
			PPMZ			10.0	4.70
			cS	12 54 55.0	−2.0		
			SMN			12.5	8.30
			SME			12.5	8.80
			SS	12 57 25.5	−0.7		
			LE	Ms=7.4		16.0	343
SSE	38.0	88	P	12 49 18.5	2.0		
			pP	12 49 25.5	3.9		
			ePP	12 50 50.0	4.2		
			PcP	12 51 33.0	1.1		
			S	12 55 08.0	−0.2		
			sS	12 55 20.0	2.5		
			LE	Ms=7.3		17.0	244
QZH	39.0	99	eP	12 49 26.0	1.2		
			PP	12 50 56.0	−1.6		
			PcP	12 51 34.0	−0.9		
			S	12 55 25.0	1.9		
			sS	12 55 36.0	3.7		
			SS	12 58 10.0	3.8		
			LN	Ms=7.7		20.0	497
			LE			20.0	494
MDJ	40.0	64	−P	12 49 34.0	1.1		
			PMZ	m_B=6.6		8.0	7.96
			pP	12 49 37.0	−0.9		
			sP	12 49 42.5	1.9		
			PP	12 51 12.0	3.7		
			PcP	12 51 35.0	−3.0		
			ScP	12 55 25.0	−1.1		
			S	12 55 43.0	5.2		
			ScS	12 59 37.5	−0.3		
			LE	Ms=7.3		24.0	303

1985 8 23
O=13 45 26.5 ± 0.09s

LAT=39.62 N ± 1.49km
LONG= 75.27 E ± 1.27km
DEPTH= 7 km ± 0.99km
STATIONS USED = 25, STAND DEV= 2.71s
M_L=5.3/ 4,

KSH	0.6	107	Pg	13 45 34.0	−2.9		
			Sg	13 45 43.8	−0.8		
WMQ	10.2	62	P	13 47 55.6	−1.0		
			SMN			1.2	0.45
LSA	16.4	122	eP	13 49 19.4	0.3		
GTA	18.9	83	P	13 49 51.6	0.8		
			LN			1.2	0.12
			LE			1.6	0.18
BTO	26.5	77	eP	13 51 06.2	−0.6		
XAN	27.4	91	eP	13 51 17.2	2.2		

1985 8 23
O=14 11 39.4 ± 0.10s
LAT=39.76 N ± 1.93km
LONG= 74.99 E ± 1.41km
DEPTH= 11 km ± 0.20km
STATIONS USED = 37, STAND DEV= 2.47s
M_L=4.9/ 2,

WMQ	10.3	63	P	14 14 10.8	0.1		
			SMN			1.2	0.060
LSA	16.6	122	eP	14 15 36.0	1.2		
GTA	19.1	83	eP	14 16 03.7	−1.7		
LZH	23.0	90	eP	14 16 51.0	5.1		
CD2	25.0	102	eP	14 17 10.0	5.0		
XAN	27.6	91	eP	14 17 30.8	1.5		

1985 8 23
O=15 19 30.6 ± 0.12s
LAT=39.65 N ± 1.25km
LONG=118.82 E ± 1.15km
DEPTH= 9 km ± 0.25km
STATIONS USED = 20, STAND DEV= 2.68s
M_L=3.6/ 18,

BJI	2.1	282	cPn	15 20 05.0	−0.9		
			cPg	15 20 08.5	1.2		
			eSn	15 20 30.0	−3.7		
			eSg	15 20 35.0	−0.6		
			SMN	M_L=3.8		0.5	0.88
			SME			0.5	0.62
			LN			6.0	1.12
DL2	2.3	108	Pg	15 20 10.5	−0.9		
			Sg	15 20 37.5	−5.3		
			SMN	M_L=3.5		0.4	0.42
			SME			0.4	0.27
TIA	3.7	202	cPn	15 20 28.7	0.6		
			cPg	15 20 42.2	6.5		
			eSn	15 21 14.5	0.9		
			SMN	M_L=3.4		1.0	0.13
			SME			0.8	0.080
			SMZ	M_L=3.5		0.8	0.080
SNY	4.2	57	Pn	15 20 35.6	0.1		
			Pg	15 20 50.2	5.1		
			iSn	15 21 23.0	−3.9		
			Sg	15 21 45.7	2.8		
			SMN	M_L=3.9		1.0	0.30
			SME			1.0	0.13
HHC	5.7	285	Pg	15 21 15.5	4.4		
			Sg	15 22 27.4	−1.1		
			SMN	M_L=3.9		0.8	0.080
			SME			0.8	0.11
CN2	6.5	48	ePn	15 21 05.8	−0.5		
			Pg	15 21 15.3	−9.5		
			Sn	15 22 20.6	−1.9		
			Sg	15 22 53.0	−0.2		
			SMN	M_L=4.1		1.0	0.11
			SME			1.0	0.12
KMI	19.8	228	+P	15 24 04.0	−0.8		
			SMN			3.0	0.36
			SME			2.5	0.23

1985 8 23
O=15 38 23.3 ± 0.08s
LAT=39.54 N ± 1.69km
LONG= 75.11 E ± 1.17km
DEPTH= 11 km ± 0.38km
STATIONS USED = 41, STAND DEV= 2.19s
M_L=4.9/ 5,

KSH	0.7	97	+iPg	15 38 38.1	2.5
			Sg	15 38 46.0	1.2
WMQ	10.3	62	eP	15 40 54.4	−0.6
LSA	16.4	122	P	15 42 15.5	−0.8
GTA	19.1	82	eP	15 42 48.4	−0.3
LZH	22.9	90	eP	15 43 30.0	1.0
CD2	24.9	101	eP	15 43 49.4	1.7
XAN	27.5	91	eP	15 44 12.0	−0.5
GYA	29.3	107	eP	15 44 33.6	4.6
BJI	31.4	76	P	15 44 46.0	−0.7

1985 8 23
O=16 25 27.4 ± 0.09s
LAT=39.56 N ± 1.68km
LONG= 75.10 E ± 1.22km
DEPTH= 10 km ± 0.26km
STATIONS USED = 30, STAND DEV= 2.33s
M_L=4.9/ 2, m_B=5.0/ 1

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WMQ	10.3	62	eP	16 27 58.0	−1.3	
			SMN	m_B = 5.0	4.0 •	0.66
LSA	16.4	122	eP	16 29 19.5	−1.2	
GTA	19.1	83	eP	16 29 52.7	−0.3	
LZH	22.9	90	+P	16 30 39.0	5.7	
CD2	24.9	101	eP	16 30 53.7	1.7	

1985 8 23
O = 16 32 55.2 ± 0.09s
LAT = 39.39 N ± 2.09km
LONG = 74.99 E ± 1.29km
DEPTH = 13 km ± 0.32km
STATIONS USED = 33, STAND DEV = 2.31s
Ms = 4.4 / 2, M_L = 4.7 / 1,

KSH	0.8	85	−Pg	16 33 08.8	−0.4	
WMQ	10.5	61	eP	16 35 27.3	−1.6	
			LN		2.5	1.04
LSA	16.4	121	eP	16 36 45.5	−2.5	
			eS	16 39 44.0	−6.4	
			LN	Ms = 4.3	11.0	0.66
GTA	19.2	82	P	16 37 25.4	3.7	
CD2	24.9	101	eP	16 38 20.0	0.0	
KMI	27.3	113	eP	16 38 40.0	−2.4	
TIY	29.2	81	P	16 39 03.2	4.0	
BJI	31.5	75	eP	16 39 22.5	3.0	
			LN	Ms = 4.6	14.0	0.55
TIA	33.2	82	eP	16 39 33.1	−1.6	
CN2	37.5	66	eP	16 40 13.6	2.3	

1985 8 23
O = 16 35 08.2 ± 0.18s
LAT = 24.09 S ± 1.82km
LONG = 66.83 W ± 0.96km
DEPTH = 178 km ± 1.60km
STATIONS USED = 55, STAND DEV = 1.46s

KSH	145.1	55	PKP	16 54 31.6	5.9
WMQ	151.3	40	+PKP	16 54 36.0	0.5
			sPKP	16 55 41.0	
MDJ	155.5	331	cPKP	16 54 41.0	−0.2
CN2	157.9	336	−PKP	16 54 43.4	−1.0
			PKP_2	16 55 17.4	
			PP	16 58 55.8	−4.9
LSA	159.6	69	PKP	16 54 47.0	0.1
SNY	160.3	336	cPKP	16 54 47.5	0.3
GTA	161.0	33	−iPKP	16 54 48.9	0.9
HHC	163.2	4	PKP	16 54 51.8	1.6
BTO	163.3	8	cPKP	16 54 51.0	0.7
DL2	163.6	336	cPKP	16 54 50.8	0.4
			pPKP	16 55 41.2	5.1
			cPP	16 59 27.5	−3.3
BJI	163.9	352	cPKP	16 54 51.0	0.2
			cpPKP	16 55 41.0	4.5
			cPP	16 59 28.0	−4.7
LZH	165.6	32	cPKP	16 54 54.0	1.5
TIY	166.4	2	PKP	16 54 54.0	0.9
TIA	167.4	345	cPKP	16 54 54.3	0.6
			pPKP	16 55 44.8	5.3
			PP	16 59 46.8	−3.7
CD2	169.2	49	PKP	16 54 56.5	1.6
XAN	169.4	20	PKP	16 54 55.6	0.6
SSE	170.0	316	cPKP	16 54 56.0	0.7
			cpPKP	16 55 46.8	5.7
GYA	173.7	67	PKP	16 54 57.0	−0.1

1985 8 23
O = 16 55 04.9 ± 0.10s
LAT = 13.91 N ± 0.72km
LONG = 120.78 E ± 0.49km
DEPTH = 178 km ± 1.02km
STATIONS USED = 22, STAND DEV = 1.49s

QZN	11.7	297	cP	16 57 48.8	1.8
XAN	22.7	334	cP	16 59 53.2	0.4
CD2	23.1	320	cP	16 59 57.8	2.0
TIY	24.8	344	cP	17 00 11.0	−1.8
GTA	31.4	328	P	17 01 12.6	0.8
KSH	46.8	312	−iP	17 03 18.7	−0.2

1985 8 23
O = 17 29 34.3 ± 0.08s
LAT = 17.64 S ± 2.35km
LONG = 178.86 W ± 1.81km
DEPTH = 571 km ± 0.59km
STATIONS USED = 27, STAND DEV = 1.18s

MDJ	77.7	325	cP	17 40 35.4	0.7
DL2	79.1	317	eP	17 40 42.0	0.0
CN2	79.5	323	+P	17 40 44.4	0.1
BJI	83.3	316	eP	17 41 03.5	0.1
XAN	85.8	308	eP	17 41 16.4	0.9
KSH	112.6	306	PKP	17 47 08.5	1.3

1985 8 23
O = 19 19 03.5 ± 0.11s
LAT = 39.54 N ± 1.59km
LONG = 75.26 E ± 1.47km
DEPTH = 21 km ± 0.96km
STATIONS USED = 17, STAND DEV = 3.00s
M_L = 4.4 / 4,

KSH	0.6	98	Pg	19 19 16.5	2.3
			Sg	19 19 23.5	1.3
WMQ	10.2	61	P	19 21 32.0	−0.7

GTA	18.9	83	eP	19 23 26.4	0.1
CD2	24.7	102	eP	19 24 28.0	2.7
GYA	29.2	107	eP	19 25 03.6	−3.0

1985 8 23
O = 22 00 58.4 ± 0.06s
LAT = 20.70 S ± 2.89km
LONG = 178.82 W ± 2.42km
DEPTH = 573 km ± 1.29km
STATIONS USED = 29, STAND DEV = 1.26s

MDJ	80.2	325	P	22 12 12.3	0.5	
DL2	81.3	317	eP	22 12 17.6	0.1	
SNY	81.9	320	eP	22 12 19.8	−0.3	
CN2	82.0	323	−P	22 12 20.5	−0.3	
BJI	85.5	316	eP	22 12 38.0	0.0	
GYA	86.1	300	eP	22 12 41.6	0.6	
XAN	87.6	308	eP	22 12 48.0	−0.3	

1985 8 23
O = 22 49 49.3 ± 0.10s
LAT = 39.43 N ± 1.32km
LONG = 75.13 E ± 1.80km
DEPTH = 19 km ± 0.36km
STATIONS USED = 10, STAND DEV = 3.32s
M_L = 4.0 / 2,

WMQ	10.4	61	eP	22 52 19.0	−1.6	
			LN		2.0	0.040
GTA	19.1	82	eP	22 54 15.0	1.3	

1985 8 24
O = 04 17 51.8 ± 0.09s
LAT = 39.19 N ± 1.36km
LONG = 75.21 E ± 1.38km
DEPTH = 12 km ± 0.30km
STATIONS USED = 22, STAND DEV = 2.64s
M_L = 4.8 / 6,

WMQ	10.4	60	eP	04 20 25.5	0.7
GTA	19.0	82	P	04 22 18.2	1.5
CD2	24.7	101	eP	04 23 15.5	0.9

1985 8 24
O = 06 53 14.3 ± 0.12s
LAT = 21.97 S ± 1.52km
LONG = 177.72 W ± 1.70km
DEPTH = 351 km ± 0.77km
STATIONS USED = 58, STAND DEV = 1.38s
m_B = 5.2 / 1

MDJ	81.9	325	−P	07 04 57.5	0.3	
			S	07 14 46.0	6.9	
			SME	m_B = 5.2	6.0	0.45

WHN	87.5	306	eP	07 05 05.4	−0.1
GYA	87.6	300	P	07 05 26.0	0.5
XAN	89.2	307	−P	07 05 33.4	0.4
KMI	90.2	297	−P	07 05 39.0	1.0
CD2	91.8	303	eP	07 05 45.8	0.8
LZH	93.9	307	−P	07 05 55.5	0.9
GTA	98.1	309	P	07 06 13.6	−0.3

1985 8 24
O = 07 00 05.0 ± 0.09s
LAT = 48.43 N ± 1.23km
LONG = 148.08 E ± 0.97km
DEPTH = 404 km ± 0.47km
STATIONS USED = 37, STAND DEV = 0.79s

MDJ	13.3	260	eP	07 03 01.7	0.1
CN2	16.3	262	−iP	07 03 32.0	−1.5
SNY	18.5	258	eP	07 03 54.8	0.0
DL2	21.3	253	P	07 04 22.0	−0.1
BJI	24.2	262	eP	07 04 49.0	−0.1
TIY	27.9	261	−iP	07 05 23.3	0.9
CD2	37.7	259	eP	07 06 45.8	−0.1
LSA	46.9	268	−P	07 07 59.6	0.4

1985 8 24
O = 09 09 01.1 ± 0.12s
LAT = 43.53 N ± 2.77km
LONG = 147.00 E ± 1.48km
DEPTH = 60 km ± 1.03km
STATIONS USED = 26, STAND DEV = 2.10s

MDJ	12.6	281	eP	09 12 00.5	1.1
CN2	15.6	278	−P	09 12 36.4	−2.4
SNY	17.3	272	eP	09 13 00.9	0.7
DL2	19.6	265	eP	09 13 26.2	−1.2
BJI	23.2	272	eP	09 14 04.5	1.0
TIA	24.0	262	eP	09 14 12.0	0.8
XAN	30.9	265	eP	09 15 18.2	3.3
LZH	33.7	272	eP	09 15 36.5	−2.5
CD2	36.3	264	eP	09 16 01.6	0.6
WMQ	42.1	292	eP	09 16 51.0	1.7
KSH	51.9	291	−iP	09 18 07.5	1.3

1985 8 24
O = 12 26 24.0 ± 0.14s
LAT = 39.22 N ± 1.75km
LONG = 75.26 E ± 1.99km
DEPTH = 12 km ± 0.45km
STATIONS USED = 18, STAND DEV = 3.31s
M_L = 4.5 / 7,

WMQ	10.4	60	eP	12 28 52.6	−3.8
GTA	19.0	82	P	12 30 48.8	0.3

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CD2	24.7	101	eP	12 31 52.3	5.7		

1985 8 24
O = 15 32 59.1 ± 0.11s
LAT = 39.37 N ± 1.55km
LONG = 75.15 E ± 1.44km
DEPTH = 16 km ± 1.32km
STATIONS USED = 16, STAND DEV = 3.25s
M_L = 4.4 / 6,

KSH	0.6	82	Pg	15 33 14.5	3.4		
			Sg	15 33 15.5	−4.5		
			SME	M_L = 4.8	0.5	39.5	
WMQ	10.4	61	eP	15 35 30.0	−1.0		
			LN		2.0	0.10	
GTA	19.1	82	P	15 37 22.0	−1.8		

1985 8 24
O = 16 00 02.2 ± 0.07s
LAT = 50.23 N ± 1.61km
LONG = 156.72 E ± 1.02km
DEPTH = 80 km ± 0.07km
STATIONS USED = 38, STAND DEV = 1.01s

MDJ	19.1	263	eP	16 04 21.4	−0.5		
CN2	22.2	265	−P	16 04 50.8	−2.1		
			eS	16 08 45.0	−2.1		
TIY	33.7	265	eP	16 06 38.6	0.0		
WHN	37.2	254	eP	16 07 05.8	−1.7		
XAN	38.2	264	eP	16 07 16.0	−0.7		
LZH	40.2	270	−P	16 07 34.0	0.8		
GTA	40.9	277	P	16 07 38.4	0.0		
CD2	43.6	264	eP	16 08 01.6	1.0		
GYA	44.8	257	P	16 08 11.6	1.0		
WMQ	46.0	290	−iP	16 08 20.0	0.4		
			pP	16 08 34.0	−4.5		
			sP	16 08 43.7	−4.3		
			S	16 14 53.5	−3.3		

1985 8 24
O = 18 23 40.5 ± 0.08s
LAT = 39.21 N ± 1.22km
LONG = 75.26 E ± 1.09km
DEPTH = 10 km ± 0.54km
STATIONS USED = 17, STAND DEV = 2.69s
M_L = 4.5 / 6,

KSH	0.6	66	+iPg	18 23 51.5	0.0		
			Sg	18 23 59.5	−0.3		
			SMN	M_L = 4.8	0.5	40.2	
WMQ	10.4	60	eP	18 26 14.5	1.4		
			SMN		2.0	0.020	
GTA	19.0	82	eP	18 28 03.7	−1.4		

1985 8 25
O = 06 44 56.1 ± 0.04s
LAT = 39.70 N ± 0.63km
LONG = 74.90 E ± 0.44km
DEPTH = 14 km ± 0.19km
STATIONS USED = 18, STAND DEV = 1.38s
M_L = 4.8 / 4,

KSH	0.9	106	−iPg	06 45 11.5	−0.4		
			Sg	06 45 19.5	−4.3		
			SMN	M_L = 4.9	0.5	34.4	
WMQ	10.4	63	eP	06 47 28.2	−0.3		
			SMN		1.2	0.040	

1985 8 25
O = 09 05 18.2 ± 0.10s
LAT = 39.79 N ± 1.17km
LONG = 118.47 E ± 1.16km
DEPTH = 10 km ± 0.07km
STATIONS USED = 30, STAND DEV = 2.57s
Ms = 3.9 / 1, M_L = 4.2 / 19,

BJI	1.8	279	ePn	09 05 49.0	−0.5		
			Pg	09 05 50.0	0.3		
			Sg	09 06 12.5	−1.7		
			SMN	M_L = 4.4	0.5	4.96	
			SME		0.5	3.43	
DL2	2.6	109	Pn	09 06 01.6	0.9		
			Pg	09 06 06.4	2.2		
			Sg	09 06 39.4	−0.4		
			SMN	M_L = 3.8	0.8	0.33	
			SME		0.8	0.72	
TIA	3.7	197	Pn	09 06 15.0	−1.2		
			Pg	09 06 23.8	−0.2		
			Sn	09 06 56.6	−5.5		
			SMN	M_L = 4.0	0.6	0.28	
			SME		0.9	0.42	
			SMZ	M_L = 4.0	0.6	0.24	
SNY	4.4	61	Pn	09 06 26.5	1.3		
			Pg	09 06 40.5	4.9		
			Sn	09 07 16.2	−2.2		
			Sg	09 07 37.8	2.3		
			SMN	M_L = 4.5	1.0	0.96	
			SME		1.0	0.53	
TIY	5.2	248	Pn	09 06 37.6	1.7		
			Pg	09 06 51.2	2.0		
			Sg	09 07 55.0	−4.6		
			SMN	M_L = 4.3	0.8	0.29	
			SME		0.8	0.35	
HHC	5.4	284	Pg	09 06 56.0	2.5		
			Sg	09 08 07.8	0.9		

			SMN	$M_L=4.2$	0.6	0.17	
			SME		0.6	0.30	
BTO	6.5	280	cPg	09 07 15.8	2.2		
			Sg	09 08 44.0	1.4		
			SMN	$M_L=4.3$	1.0	0.21	
			SME		1.0	0.10	
			SMZ	$M_L=4.4$	1.0	0.15	
CN2	6.6	50	Pn	09 06 56.8	1.4		
			Pg	09 07 19.6	5.2		
			Sn	09 08 17.6	4.8		
			Sg	09 08 41.0	−3.3		
NJ2	7.7	178	cPn	09 07 15.0	3.9		
XAN	9.6	236	eP	09 07 44.2	5.0		

1985 8 25
O = 09 52 43.0 ± 0.06s
LAT = 27.99 N ± 0.87km
LONG = 140.87 E ± 1.15km
DEPTH = 59 km ± 0.81km
STATIONS USED = 16, STAND DEV = 0.92s

TIA	21.7	298	P	09 57 30.4	−0.4	
WHN	23.3	283	eP	09 57 47.5	1.2	
TIY	25.7	299	eP	09 58 10.5	0.7	
XAN	28.0	290	P	09 58 29.6	−1.0	
CD2	32.4	284	eP	09 59 09.2	−0.2	
GTA	35.7	299	P	09 59 37.8	−0.7	
WMQ	45.1	305	eP	10 00 55.5	−0.3	

1985 8 25
O = 10 07 58.7 ± 0.07s
LAT = 53.85 N ± 1.94km
LONG = 158.87 E ± 1.37km
DEPTH = 136 km ± 0.17km
STATIONS USED = 71, STAND DEV = 1.29s
$m_B=5.3$ / 2

MDJ	21.1	256	P	10 12 34.0	−0.1		
			pP	10 13 02.0	−2.1		
			sP	10 13 19.5	2.4		
			eS	10 16 21.0	4.9		
			SMN	$m_B=5.1$	8.0	0.43	
CN2	24.0	259	+P	10 13 01.8	−0.3		
			pP	10 13 30.0	0.5		
			sP	10 13 42.0	−3.9		
			S	10 17 03.5	−2.0		
			SMN	$m_B=5.5$	4.0	0.40	
			SME		4.0	0.30	
			sS	10 17 51.5	−3.0		
			SS	10 18 03.0	−4.5		
SNY	26.3	257	+P	10 13 23.2	−0.4		
			pP	10 13 52.0	0.2		
			sP	10 14 08.0	0.0		
DL2	29.3	255	eP	10 13 50.0	−1.1		
			epP	10 14 20.0	0.3		
			eS	10 18 31.5	−1.8		
BJI	31.7	262	eP	10 14 11.5	−0.8		
TIA	33.8	256	−P	10 14 30.3	0.5		
HHC	33.9	267	+P	10 14 31.2	−0.2		
BTO	35.0	268	eP	10 14 40.0	−0.6		
			eS	10 20 03.0	0.8		
TIY	35.5	262	P	10 14 44.4	0.1		
NJ2	35.8	249	−P	10 14 47.0	−0.3		
WHN	39.5	252	eP	10 15 17.5	−0.3		
LZH	41.6	268	−P	10 15 36.0	0.3		
			PMZ			1.4	0.090
GTA	41.8	275	−iP	10 15 38.2	1.1		
			pP	10 16 10.4	3.4		
CD2	45.3	262	eP	10 16 05.6	0.2		
WMQ	46.0	288	−P	10 16 11.5	0.5		
			PMZ			1.2	0.18
			pP	10 16 43.5	2.2		
			PcP	10 17 45.5	0.5		
			ScP	10 21 26.4	2.7		
			PcS	10 21 40.0	2.2		
			S	10 22 45.2	0.9		
			ScS	10 25 49.5	0.6		
GYA	47.0	256	P	10 16 18.4	0.1		
KMI	50.3	258	eP	10 16 43.5	−0.3		

1985 8 25
O = 11 51 57.1 ± 0.09s
LAT = 2.85 N ± 1.22km
LONG = 128.83 E ± 2.31km
DEPTH = 72 km ± 0.45km
STATIONS USED = 50, STAND DEV = 1.59s
Ms = 4.5 / 3, $m_B=5.6$ / 1

QZH	24.1	337	eP	11 57 09.2	2.2		
GZH	25.1	325	+P	11 57 16.6	−0.2		
			eS	12 01 38.0	4.3		
GYA	31.7	320	eP	11 58 17.0	0.7		
TIA	34.9	343	P	11 58 43.7	−0.5		
XAN	36.2	331	eP	11 58 53.4	−1.4		
DL2	36.5	351	eP	11 58 52.3	−5.1		
CD2	36.6	322	eP	11 58 58.4	−0.1		
TIY	37.8	339	eP	11 59 09.0	0.3		
			LE	Ms = 4.5		13.0	0.31
BJI	38.8	344	eP	11 59 15.5	−0.9		
SNY	39.1	354	eP	11 59 18.9	−0.3		
			LE	Ms = 4.5		23.0	0.50
LZH	40.3	328	−P	11 59 31.0	1.3		
			PMZ			2.0	0.090

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			eS	12 05 40.0	7.5		
CN2	40.9	356	−P	11 59 36.4	2.3		
MDJ	41.6	1	P	11 59 40.0	0.1		
			LZ	Ms=4.4		16.0	0.29
LSA	44.6	311	eP	12 00 04.8	0.0		
			S	12 06 38.0	4.5		
			SMN	m_B=5.6		4.0	0.37
WMQ	54.6	324	eP	12 01 21.0	−0.4		

1985 8 25
O=14 30 57.5 ± 0.09s
LAT=28.09 N ± 1.27km
LONG=140.86 E ± 1.63km
DEPTH= 22 km ± 0.26km
STATIONS USED = 13, STAND DEV= 1.52s

TIA	21.6	298	P	14 35 49.2	0.6		
BJI	23.6	307	eP	14 36 07.0	−0.9		
TIY	25.6	299	eP	14 36 28.0	0.3		
XAN	27.9	290	P	14 36 48.0	−0.7		
GYA	30.4	275	eP	14 37 13.0	2.2		
CD2	32.3	284	eP	14 37 26.6	−1.2		

1985 8 25
O=15 22 36.6 ± 0.08s
LAT=39.64 N ± 1.40km
LONG= 74.95 E ± 1.11km
DEPTH= 13 km ± 0.33km
STATIONS USED = 36, STAND DEV= 2.03s
Ms=4.1/ 4, M_L=4.7/ 3,

KSH	0.8	103	Pg	15 22 53.0	1.6		
			Sg	15 23 02.0	−0.5		
WMQ	10.4	62	P	15 25 07.5	−1.4		
			LN			3.0	0.82
LSA	16.6	122	eP	15 26 29.2	−2.1		
			LN	Ms=4.0		10.0	0.31
GTA	19.2	83	eP	15 27 03.1	0.1		
			LN	Ms=4.1		10.0	0.30
LZH	23.0	90	eP	15 27 46.0	2.8		
CD2	25.0	101	eP	15 28 01.2	−0.8		
BTO	26.7	77	eP	15 28 19.0	0.7		
XAN	27.7	91	+P	15 28 27.6	1.0		
TIY	29.2	82	eP	15 28 44.8	4.3		

1985 8 25
O=18 42 20.2 ± 0.14s
LAT=25.35 N ± 1.66km
LONG= 97.67 E ± 1.31km
DEPTH= 32 km ± 0.27km
STATIONS USED = 76, STAND DEV= 2.14s
Ms=5.1/25, M_L=4.3/ 4, m_B=5.3/ 5

KMI	4.6	92	cPn	18 43 30.0	1.8		
			Pg	18 43 42.0	0.4		
			Sg	18 44 44.0	−0.6		
			LN	Ms=5.5		6.0	42.5
LSA	7.2	308	+P	18 44 06.7	−0.2		
CD2	7.7	43	eP	18 44 16.0	2.7		
			S	18 45 44.0	3.6		
			LN	Ms=5.3		9.0	15.1
			LE			10.0	16.0
GYA	8.2	80	P	18 44 19.0	−0.7		
			S	18 45 53.0	1.3		
			LN	Ms=5.2		9.0	12.8
			LE			9.0	4.00
LZH	11.9	25	eP	18 45 11.0	−0.6		
			LN	Ms=5.3		9.0	2.37
			LE			10.0	9.16
QZN	12.9	117	P	18 45 24.8	0.4		
			eS	18 47 56.5	8.5		
			LN	Ms=4.9		12.0	3.50
			LE			13.0	2.80
XAN	13.1	46	eP	18 45 23.3	−3.1		
			LN	Ms=5.4		10.0	10.1
			LE			9.0	4.07
GTA	14.1	7	P	18 45 39.0	−1.7		
			LE	Ms=5.2		10.5	6.30
GZH	14.5	96	eP	18 45 45.0	0.0		
			eS	18 48 20.0	−5.5		
			LN	Ms=5.7		10.0	16.6
			LE			8.0	3.60
WHN	15.6	67	eP	18 45 58.0	−1.8		
			eS	18 48 49.0	−3.3		
			LN	Ms=5.1		9.0	3.51
TIY	17.6	42	eP	18 46 23.4	−1.4		
			LN	Ms=5.1		11.0	3.03
			LE			12.0	2.88
BTO	18.4	31	P	18 46 33.6	−1.0		
			pP	18 46 37.0	−4.9		
			eS	18 49 56.0	0.4		
			LN	Ms=5.2		11.0	3.30
			LE			10.0	3.20
			LZ	Ms=5.2		10.0	3.80
HHC	19.3	33	eP	18 46 46.0	0.2		
			S	18 50 24.0	8.2		
			LN	Ms=5.2		11.0	2.91
			LE			11.0	2.66
NJ2	19.7	65	+P	18 46 49.4	−0.8		
			LN	Ms=4.9		10.0	1.60
			LE			11.0	1.10
TIA	19.9	52	+P	18 46 52.6	0.7		
			PMZ	m_B=5.3		4.0	0.63

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			SMN	$m_B=4.9$	12.0	0.38
			SME		12.0	0.38
			LN	Ms=4.6	11.0	0.80
			LE		11.0	0.54
			LZ	Ms=4.6	11.0	1.04
WMQ	20.1	339	P	18 46 55.3	0.5	
			PMZ		1.5	0.18
			S	18 50 42.0	8.1	
			SS	18 51 09.0	6.2	
			LN	Ms=4.9	10.0	1.81
BJI	21.3	42	eP	18 47 09.5	2.7	
			PMZ		3.0	0.45
			SMN	$m_B=5.3$	6.0	0.67
			LN	Ms=5.1	9.0	1.68
			LE		9.0	1.69
SSE	21.5	69	+P	18 47 09.0	0.6	
			sS	18 51 08.0	−5.9	
			LN	Ms=4.8	10.0	1.36
KSH	23.0	313	P	18 47 28.0	4.2	
			PMZ	$m_B=5.6$	4.0	1.10
			PP	18 47 59.5	6.2	
			SME	$m_B=5.6$	10.0	2.00
			LN	Ms=5.3	8.0	2.70
DL2	24.3	50	eP	18 47 37.0	0.9	
			eS	18 51 50.0	−0.4	
			LN	Ms=4.8	14.0	0.63
			LE		12.0	1.03
SNY	27.0	46	eP	18 48 01.5	0.1	
			LN	Ms=4.9	18.0	1.84
			LE		18.0	0.88
CN2	29.2	44	eP	18 48 20.5	−0.5	
			pP	18 48 27.0	−2.9	
			eS	18 53 12.0	2.0	
			LN	Ms=4.8	12.0	0.80

1985 8 25
O=22 05 27.5 ± 0.09s
LAT= 0.78 N ± 1.63km
LONG= 98.66 E ± 1.38km
DEPTH= 87 km ± 0.90km
STATIONS USED = 30, STAND DEV= 1.32s

KMI	24.5	9	eP	22 10 43.0	2.4	
GYA	26.7	16	P	22 11 00.8	0.2	
CD2	30.3	9	eP	22 11 33.5	−0.1	
XAN	34.4	15	P	22 12 08.2	−1.0	
LZH	35.5	7	eP	22 12 17.5	−0.4	
GTA	38.5	1	−iP	22 12 43.5	0.5	
			PcP	22 14 55.3	0.8	
TIA	39.2	24	+P	22 12 49.4	0.4	
BTO	40.9	13	eP	22 13 05.0	1.4	
BJI	42.2	20	eP	22 13 15.0	1.2	
WMQ	44.0	349	P	22 13 29.0	0.8	
CN2	49.0	26	−P	22 14 06.9	−1.1	

1985 8 26
O=00 32 13.8 ± 0.12s
LAT=25.05 N ± 1.84km
LONG= 97.11 E ± 1.06km
DEPTH= 25 km ± 0.02km
STATIONS USED = 10, STAND DEV= 4.55s
Ms=4.1/ 1, M_L=3.9/ 2,

KMI	5.1	88	eP	00 33 35.0	3.8	
			S	00 34 30.0	0.4	
LSA	7.0	312	−P	00 33 57.0	−1.6	
CD2	8.3	44	eP	00 34 17.0	1.4	
			eS	00 35 45.0	−4.2	
			LE	Ms=4.1	6.0	0.76
GYA	8.7	79	P	00 34 16.5	−5.3	

1985 8 26
O=01 30 34.1 ± 0.21s
LAT= 1.54 N ± 6.18km
LONG=129.29 E ± 4.41km
DEPTH= 46 km ± 1.84km
STATIONS USED = 17, STAND DEV= 2.03s

XAN	37.5	332	+iP	01 37 43.8	−2.2	
DL2	37.8	350	eP	01 37 48.3	−0.3	
CD2	37.9	323	eP	01 37 47.5	−1.8	
BJI	40.1	344	eP	01 38 06.0	−1.6	
GTA	46.3	328	+iP	01 38 56.3	−1.4	
WMQ	56.0	325	P	01 40 09.0	−1.9	
			PcP	01 41 09.5	1.8	

1985 8 26
O=03 25 15.5 ± 0.14s
LAT=25.00 N ± 1.43km
LONG=122.32 E ± 1.28km
DEPTH= 5 km ± 0.55km
STATIONS USED = 11, STAND DEV= 2.43s
M_L=3.4/ 11,

QZH	3.4	270	cPn	03 26 09.3	0.2	
			cSg	03 26 58.3	−3.0	
			SMN	M_L=3.0	0.5	0.060
			SME		0.5	0.040
SSE	6.2	351	+iP	03 26 48.3	−1.0	
			PMZ		0.6	0.030
			SME	M_L=3.5	1.0	0.030
CN2	18.9	7	eP	03 29 40.5	0.7	

1985 8 26

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O = 14 08 22.5 ± 0.10s
LAT = 6.78 S ± 1.60km
LONG = 148.95 E ± 3.10km
DEPTH = 34 km ± 0.49km
STATIONS USED = 71, STAND DEV = 1.69s
Ms = 6.0 / 27, m_B = 5.8 / 6

QZH	43.2	318	+P	14 16 26.0	3.4		
			S	14 22 52.0	6.0		
			LN	Ms = 5.9		18.0	9.55
GZH	45.7	312	+P	14 16 42.0	−0.9		
			S	14 23 20.0	−2.6		
			LN	Ms = 6.0		14.0	5.46
			LE			14.0	4.72
			LZ	Ms = 5.9		16.0	7.32
SSE	46.1	326	+P	14 16 44.0	−1.6		
			PMZ			14.0	1.74
			PcP	14 18 16.0	−5.3		
			ePP	14 18 33.0	−0.4		
			eS	14 23 27.0	−1.4		
			esS	14 23 44.0	−0.2		
			ScS	14 26 36.0	1.0		
			SS	14 26 46.0	0.8		
			LN	Ms = 6.1		16.0	10.1
			LE			17.0	4.56
QZN	46.3	304	eP	14 16 47.0	−0.2		
			PP	14 18 32.0	−3.4		
			S	14 23 32.0	1.7		
			LN	Ms = 6.0		15.0	6.50
			LE			15.0	4.20
NJ2	48.1	325	+P	14 17 00.0	−1.5		
			PMZ	m_B = 5.7		9.0	0.95
			S	14 23 48.5	−7.6		
			LN	Ms = 6.0		13.0	2.40
			LE			13.0	6.40
			LZ	Ms = 6.2		11.0	8.20
WHN	49.8	320	eP	14 17 15.0	0.8		
			PcP	14 18 33.0	−1.4		
			eS	14 24 21.0	0.8		
			SME	m_B = 5.8		12.0	1.56
			LN	Ms = 5.9		18.0	5.02
			LE			18.0	4.60
DL2	52.0	333	eP	14 17 28.0	−3.5		
			eS	14 24 50.0	−1.7		
			LN	Ms = 6.1		16.0	6.35
			LE			15.0	6.52
TIA	52.2	327	eP	14 17 31.0	−1.4		
			eS	14 24 59.0	5.6		
			SMN			26.0	5.05
			SME			26.0	3.88
			LN	Ms = 6.1		17.0	9.70
			LE			13.0	0.95
			LZ	Ms = 5.9		15.0	5.20
SNY	53.6	337	+P	14 17 42.0	−1.4		
			PMZ			14.0	1.42
			PP	14 19 45.0	0.0		
			LN	Ms = 5.9		16.0	4.89
			LE			13.5	1.93
MDJ	54.0	343	+P	14 17 46.0	−0.4		
			LE	Ms = 6.0		15.0	6.94
CN2	54.7	339	P	14 17 49.5	−1.3		
			PMZ	m_B = 5.6		8.0	0.70
			sP	14 18 03.5	−1.0		
			PP	14 19 54.3	0.3		
			cS	14 25 24.0	−3.1		
			LE	Ms = 6.2		18.0	12.2
KMI	55.0	307	+P	14 17 53.0	−0.7		
			sP	14 18 07.0	−0.1		
			LE	Ms = 5.8		15.0	3.49
XAN	55.5	320	cP	14 17 55.5	−1.7		
			S	14 25 36.5	−1.1		
			SMN	m_B = 5.8		11.0	0.72
			SME			11.0	1.35
			LN	Ms = 5.9		14.0	3.01
			LE			14.0	3.54
BJI	55.5	330	cP	14 17 55.5	−1.7		
			esP	14 18 10.0	−0.9		
			eS	14 25 35.0	−3.9		
			SMN	m_B = 5.4		9.0	0.42
			SME			10.0	0.36
			LN	Ms = 6.0		21.0	5.66
			LE			18.0	4.42
			LZ	Ms = 5.9		20.0	5.73
TIY	55.8	325	cP	14 17 58.5	−1.0		
			LE	Ms = 5.9		16.0	5.12
CD2	57.2	313	cP	14 18 09.5	0.2		
			S	14 26 00.0	0.0		
			LN	Ms = 6.1		14.0	6.74
HHC	58.5	327	+P	14 18 18.0	−0.6		
			LN	Ms = 6.2		15.0	5.50
			LE			15.0	6.40
BTO	59.2	326	+P	14 18 22.0	−1.2		
			PP	14 20 34.0	−1.0		
			eS	14 26 24.0	−3.3		
			sS	14 26 40.0	−3.1		
			LN	Ms = 6.1		15.0	4.90
			LE			15.0	5.70
			LZ	Ms = 5.9		15.0	4.50
GTA	64.6	320	P	14 18 59.3	−0.1		
			PP	14 21 24.5	2.0		
			S	14 27 40.5	6.5		

			SME		$m_B=5.9$	10.0	1.3
			LN		Ms=5.8	20.0	4.39
LSA	66.3	306	−P	14 19 10.5	0.0		
			eS	14 27 58.5	1.9		
			LN		Ms=5.7	17.0	2.77
WMQ	74.6	319	P	14 20 00.8	−0.2		
			PMZ			2.0	0.060
			S	14 29 36.8	4.6		
			sS	14 29 54.0	4.1		
			LZ		Ms=6.0	20.0	4.67
KSH	81.3	312	eP	14 20 39.0	1.0		
			LN		Ms=6.3	14.0	6.20

1985 8 26
O=15 15 16.2 ± 0.09s
LAT=11.29 S ± 1.10km
LONG=166.47 E ± 2.72km
DEPTH=155 km ± 0.48km
STATIONS USED = 27, STAND DEV= 1.20s

NJ2	62.7	315	+P	15 25 27.5	0.1		
DL2	65.1	323	eP	15 25 43.3	0.2		
BJI	69.1	321	eP	15 26 08.0	−0.2		
GYA	69.1	304	P	15 26 08.5	0.0		
XAN	70.8	312	+P	15 26 18.8	0.2		
			SME			14.0	2.21
			LN			11.0	1.22
			LE			14.0	3.38
KMI	71.9	301	+P	15 26 26.0	1.0		
CD2	73.3	307	P	15 26 34.0	0.6		
LZH	75.5	312	P	15 26 47.0	1.3		

1985 8 26
O=15 43 36.2 ± 0.15s
LAT=36.30 N ± 1.97km
LONG=142.12 E ± 3.49km
DEPTH= 27 km ± 1.09km
STATIONS USED = 63, STAND DEV= 1.75s
Ms=5.4/18, m_B=5.6/ 2

MDJ	12.6	315	eP	15 46 37.5	0.3		
CN2	14.8	306	+P	15 47 05.8	0.3		
			sP	15 47 18.0	1.6		
			eS	15 49 50.0	0.6		
			LN		Ms=5.7	18.0	21.8
			LE			18.0	27.3
SNY	15.4	297	eP	15 47 14.3	0.6		
			pP	15 47 24.0	3.8		
			sP	15 47 29.0	4.4		
			eS	15 50 05.0	0.9		
			LN		Ms=5.4	11.5	8.18
			LE			13.0	6.38
DL2	16.4	285	eP	15 47 26.0	−0.9		
			eS	15 50 24.0	−4.1		
			LN		Ms=5.5	12.0	6.34
			LE			12.0	8.89
SSE	18.2	259	eP	15 47 51.0	2.6		
			csP	15 48 04.0	4.5		
			csS	15 51 19.0	0.6		
			SS	15 51 34.0	3.8		
			LZ		Ms=5.3	13.0	7.01
NJ2	19.7	264	eP	15 48 06.5	0.0		
			sP	15 48 22.5	4.6		
			S	15 51 40.0	−1.3		
			SME		m_B=5.6	9.0	2.20
			LE		Ms=5.1	11.0	3.00
TIA	20.1	277	−P	15 48 09.5	−1.9		
			S	15 51 42.3	−8.5		
			LN		Ms=5.3	12.0	4.69
			LE			12.0	1.36
BJI	20.7	288	eP	15 48 16.0	−1.2		
			eS	15 51 56.0	−6.4		
QZH	23.1	247	eP	15 48 41.0	−0.5		
			eS	15 52 52.0	4.7		
			LN		Ms=5.0	18.0	3.41
TIV	23.7	282	eP	15 48 49.0	1.9		
			PMZ			1.0	0.050
			eS	15 53 03.0	5.5		
			sS	15 53 16.0	5.7		
			LN		Ms=5.4	13.0	5.33
WHN	23.8	264	eP	15 48 47.5	−0.8		
			SME		m_B=5.6	12.0	2.34
			LN		Ms=5.4	13.0	5.37
HHC	24.2	290	P	15 48 54.5	2.0		
			pP	15 49 04.0	3.7		
			S	15 53 12.0	6.1		
			LN		Ms=5.5	13.0	2.80
			LE			14.0	6.30
BTO	25.4	290	eP	15 49 05.0	1.3		
			eS	15 53 28.0	1.3		
			LN		Ms=5.5	14.0	4.20
			LE			13.0	4.20
			LZ		Ms=5.5	13.0	6.40
GZH	28.1	250	−P	15 49 30.5	2.0		
			eS	15 54 17.0	6.4		
			LN		Ms=5.3	14.0	1.33
			LE			12.0	2.57
LZH	30.8	281	+iP	15 49 52.0	−0.1		
GYA	31.7	262	P	15 49 59.0	−1.1		
			pP	15 50 09.0	1.0		
			S	15 55 13.0	7.2		
CD2	32.3	272	eP	15 50 05.0	−0.1		

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			S	15 55 14.0	−1.0		
			LN	Ms=5.7		16.0	7.63
QZN	33.2	247	eP	15 50 14.5	1.5		
			eS	15 55 28.0	−2.0		
			sS	15 55 43.0	−0.6		
			LN	Ms=5.3		14.0	1.60
			LE			15.0	1.90
GTA	33.3	288	+iP	15 50 15.5	0.9		
			S	15 55 30.0	−1.7		
KMI	35.4	263	+P	15 50 31.0	−1.7		
			pP	15 50 40.0	−0.6		
			S	15 56 04.0	−0.1		
			LE	Ms=5.6		13.0	3.99
WMQ	41.7	298	−P	15 51 25.5	0.8		
			PMZ			2.0	0.13
			sP	15 51 39.0	2.5		
			LN	Ms=5.7		12.0	3.58
LSA	42.8	276	P	15 51 34.8	0.1		
			LE	Ms=5.2		16.0	1.66
KSH	51.2	295	eP	15 52 43.0	2.7		

1985 8 26
O=19 06 31.3 ± 0.61s
LAT=39.25 N ± 2.18km
LONG= 75.21 E ± 5.05km
DEPTH= 10 km
STATIONS USED = 7, STAND DEV= 3.35s
M_L=4.1/ 7,

KSH	0.6	71	+iPg	19 06 40.0	−2.8		
			Sg	19 06 48.0	−3.3		
			SME	M_L=4.2		0.5	10.2
WMQ	10.4	60	eP	19 09 07.5	3.3		
			SMN			2.0	0.030

1985 8 26
O=19 13 46.9 ± 0.09s
LAT= 4.58 S ± 0.99km
LONG=139.11 E ± 1.27km
DEPTH= 35 km ± 0.24km
STATIONS USED = 28, STAND DEV= 1.40s

SSE	39.4	335	eP	19 21 15.3	0.1		
			PMZ			0.8	0.020
TIA	45.5	335	eP	19 22 05.3	0.1		
DL2	46.2	341	eP	19 22 11.0	0.3		
XAN	47.8	326	eP	19 22 23.0	−0.6		
SNY	48.3	344	−iP	19 22 27.0	−0.3		
TIY	48.8	332	P	19 22 32.3	0.8		
BJI	49.2	337	eP	19 22 33.5	−0.3		
CN2	49.7	347	+P	19 22 37.3	−0.8		
			pP	19 22 45.8	−2.0		
HHC	51.8	333	P	19 22 55.0	1.2		
LZH	52.2	324	eP	19 22 57.0	−0.2		
BTO	52.3	332	eP	19 22 57.0	−0.6		
GTA	56.8	324	P	19 23 31.5	0.7		

1985 8 26
O=19 50 48.2 ± 0.14s
LAT=24.46 N ± 0.87km
LONG=121.67 E ± 0.72km
DEPTH= 16 km ± 0.92km
STATIONS USED = 16, STAND DEV= 2.26s
M_L=3.6/ 12,

QZH	2.8	280	ePn	19 51 34.5	1.2		
			Sn	19 52 08.5	−0.6		
			SMN	M_L=3.7		0.9	0.46
			SME			0.7	0.19
SSE	6.6	356	eP	19 52 24.0	−3.5		
			SME	M_L=3.7		1.0	0.040
GYA	13.7	282	eP	19 54 07.5	2.8		

1985 8 27
O=03 12 47.0 ± 0.18s
LAT=27.94 N ± 2.19km
LONG=141.68 E ± 3.66km
DEPTH= 34 km ± 0.22km
STATIONS USED = 12, STAND DEV= 2.22s

BJI	24.3	306	eP	03 18 02.0	−0.4
TIY	26.3	299	eP	03 18 23.0	0.7
XAN	28.7	290	eP	03 18 42.5	−0.7
CD2	33.1	284	eP	03 19 21.6	−0.5
GTA	36.4	299	eP	03 19 50.0	−0.6

1985 8 27
O=05 57 02.2 ± 0.09s
LAT=30.57 N ± 1.53km
LONG= 68.01 E ± 1.00km
DEPTH= 31 km ± 0.30km
STATIONS USED = 8, STAND DEV= 2.39s
Ms=4.2/ 1,

KSH	11.0	34	P	05 59 40.0	−1.0		
WMQ	20.4	44	P	06 01 43.5	3.3		
			S	06 05 16.0	−6.2		
			LN	Ms=4.2		20.0	0.74
GYA	34.1	87	P	06 03 48.0	1.3		

1985 8 27
O=06 29 33.8 ± 0.08s
LAT=20.78 S ± 1.29km
LONG=178.94 W ± 1.19km
DEPTH=636 km ± 0.72km

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STATIONS USED = 41, STAND DEV = 1.01s

SSE	77.2	310	eP	06 40 2[illegible]	−0.2	
SNY	81.9	320	eP	06 40 49.5	−0.8	
WHN	81.9	307	eP	06 40 51.3	0.8	
CN2	82.0	323	−P	06 40 51.0	0.0	
TIA	82.8	313	eP	06 40 55.0	−0.1	
BJI	85.5	316	eP	06 41 08.0	0.0	
TIY	86.8	312	P	06 41 15.5	1.1	
XAN	87.6	308	+P	06 41 19.3	1.2	

1985 8 27
O = 07 39 14.1 ± 0.12s
LAT = 17.55 S ± 2.54km
LONG = 173.24 W ± 2.57km
DEPTH = 36 km ± 0.41km
STATIONS USED = 95, STAND DEV = 1.59s
Ms = 5.5 / 11, m_B = 5.9 / 6

QZH	78.7	301	P	07 51 15.4	0.4		
SSE	79.4	307	cP	07 51 18.5	−0.4		
			epP	07 51 28.3	−0.7		
			cS	08 01 16.0	−0.1		
			cScS	08 01 38.0	3.3		
			SS	08 06 26.0	1.0		
			LN	Ms = 5.5		22.0	0.62
			LE			24.0	1.33
			LZ	Ms = 5.5		24.0	1.53
MDJ	80.8	323	+iP	07 51 27.0	0.4		
			sP	07 51 40.5	−0.3		
			S	08 01 38.0	8.4		
			LZ	Ms = 6.5		4.0	2.84
NJ2	81.6	307	−P	07 51 31.3	0.7		
			LZ	Ms = 5.3		20.0	0.80
GZH	82.3	297	−P	07 51 36.0	1.7		
DL2	82.8	314	+iP	07 51 37.0	0.2		
			eS	08 01 52.0	0.6		
			SMN	m_B = 5.9		6.0	0.55
CN2	82.8	320	+iP	07 51 36.5	−0.5		
			PMZ	m_B = 6.1		3.5	0.80
			sP	07 51 49.5	−1.8		
			cPP	07 54 48.0	−0.3		
			eS	08 01 50.0	−1.8		
			LE	Ms = 5.5		20.0	1.20
SNY	83.0	318	+iP	07 51 37.8	0.1		
			PMZ			3.0	1.01
			pP	07 51 47.5	−0.4		
			S	08 02 00.0	8.5		
			LN	Ms = 5.2		28.0	0.56
			LE			28.0	0.84
QZN	83.8	292	eP	07 51 40.0	−2.2		
WHN	84.4	304	P	07 51 46.0	0.9		
			PMZ	m_B = 6.1		4.0	0.78
			pP	07 51 54.0	−1.3		
			eS	08 02 08.0	0.2		
			SME	m_B = 5.8		8.0	0.60
			LE	Ms = 5.5		19.0	1.23
TIA	84.7	310	eP	07 51 46.5	−0.1		
			S	08 02 08.0	−0.9		
			LN	Ms = 5.2		35.0	0.74
			LE			35.0	0.87
			LZ	Ms = 5.2		35.0	1.17
BJI	87.1	314	eP	07 51 58.0	0.0		
			PMZ	m_B = 6.0		4.0	0.55
			eSKS	08 02 22.0	3.3		
			eS	08 02 41.0	7.7		
			SMN	m_B = 5.5		8.0	0.41
			LN	Ms = 5.2		28.0	0.76
TIY	88.7	310	P	07 52 06.8	0.5		
			PMZ			3.0	1.05
			eS	08 02 54.0	4.6		
			LN	Ms = 5.5		18.0	0.75
			LE			18.0	0.89
GYA	89.2	298	+P	07 52 09.0	0.6		
			PMZ			1.2	0.15
			pP	07 52 21.0	2.5		
			S	08 02 57.0	5.5		
XAN	90.0	306	+P	07 52 13.0	0.8		
			eS	08 02 58.0	−2.9		
HHC	90.6	313	−iP	07 52 15.5	0.5		
BTO	91.6	312	+iP	07 52 20.0	0.4		
			sP	07 52 33.5	−0.4		
			cSKS	08 02 48.0	1.8		
			S	08 03 14.0	1.0		
KMI	92.1	296	+iP	07 52 23.0	0.9		
			PMZ			3.0	0.53
			pP	07 52 34.0	1.9		
			eS	08 03 17.0	−2.7		
			sS	08 03 33.5	−2.9		
CD2	93.1	301	P	07 52 27.0	0.7		
LZH	94.6	306	P	07 52 34.0	0.4		
GTA	98.6	309	P	07 52 52.0	0.2		

1985 8 27
O = 10 44 33.5 ± 0.27s
LAT = 21.32 S ± 2.68km
LONG = 67.39 W ± 1.55km
DEPTH = 182 km ± 2.38km
STATIONS USED = 69, STAND DEV = 1.79s

KSH	143.9	52	−PKP	11 03 48.0	−0.4
			pPKP	11 04 37.0	3.0
			ePP	11 07 12.0	5.7

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WMQ	149.5	37	+iPKP	11 03 58.5	0.9	
			PKP_2	11 04 03.0		
MDJ	152.9	333	ePKP	11 04 03.5	1.0	
CN2	155.2	337	+PKP	11 04 05.5	−0.1	
			PKP_2	11 04 30.5		
SNY	157.6	338	ePKP	11 04 08.8	0.0	
			PKP_2	11 04 42.0		
			isPKP	11 05 31.0		
GTA	158.9	28	PKP	11 04 11.5	0.9	
HHC	160.5	2	+PKP	11 04 14.0	1.6	
BTO	160.7	6	ePKP	11 04 14.0	1.5	
DL2	160.8	338	PKP	11 04 13.0	0.5	
			PKP_2	11 04 56.3		
BJI	161.1	352	ePKP	11 04 14.0	1.2	
			ePP	11 08 38.5	−4.1	
			eSKKS	11 15 06.0		
LZH	163.4	26	−PKP	11 04 17.0	1.7	
			PKP_2	11 05 08.5		
TIY	163.7	0	PKP	11 04 17.0	1.5	
TIA	164.6	346	−PKP	11 04 17.3	0.9	
XAN	166.9	14	−PKP	11 04 19.3	1.1	
			PKP_2	11 05 11.3		
CD2	167.6	38	ePKP	11 04 19.2	0.5	
SSE	167.6	323	+PKP	11 04 20.0	1.4	
			PKP_2	11 05 26.3		
			eSKKS	11 15 22.0		
			eSS	11 29 45.0	−0.1	
			LN		16.0	0.87
NJ2	167.9	334	PKP	11 04 19.8	1.0	
KMI	170.2	65	ePKP	11 04 20.5	0.0	
			PKP_2	11 05 38.0		
WHN	170.7	351	ePKP	11 04 21.5	1.0	
GYA	172.5	46	ePKP	11 04 15.6	−6.1	

1985 8 27
O = 16 14 13.4 ± 0.10s
LAT = 22.40 S ± 1.16km
LONG = 170.64 E ± 1.41km
DEPTH = 53 km ± 1.02km
STATIONS USED = 21, STAND DEV = 1.56s

TIA	77.2	318	P	16 26 03.3	−0.8	
CN2	77.8	328	+P	16 26 06.0	−1.7	
BJI	80.2	321	eP	16 26 19.5	−1.1	
TIY	81.0	317	eP	16 26 24.8	−0.4	
KMI	81.0	302	+P	16 26 26.0	0.6	
XAN	81.2	312	eP	16 26 25.5	−0.5	
LZH	85.8	312	eP	16 26 49.5	0.1	

1985 8 27
O = 17 26 52.3 ± 0.15s
LAT = 21.24 N ± 1.28km
LONG = 122.33 E ± 1.06km
DEPTH = 147 km ± 1.62km
STATIONS USED = 11, STAND DEV = 2.37s
M_L = 3.7 / 6,

QZH	5.0	318	eP	17 28 05.8	−1.5		
			S	17 28 58.5	−6.4		
			SMN	M_L = 3.7		0.3	0.090
			SME			0.3	0.070
CN2	22.6	6	P	17 31 41.0	−0.8		

1985 8 27
O = 21 07 01.8 ± 0.10s
LAT = 36.17 N ± 1.40km
LONG = 71.15 E ± 0.98km
DEPTH = 100 km ± 0.26km
STATIONS USED = 16, STAND DEV = 2.00s
M_L = 4.3 / 2,

KSH	5.0	48	eP	21 08 20.3	3.6		
			S	21 09 16.8	2.9		
			SMN	M_L = 4.3		0.3	0.40
			SME			0.3	0.30
WMQ	14.8	54	eP	21 10 26.5	−0.8		
			SME			1.0	0.080
GTA	22.8	73	P	21 12 00.0	2.6		

1985 8 28
O = 00 09 57.8 ± 0.11s
LAT = 39.49 N ± 2.52km
LONG = 75.33 E ± 1.58km
DEPTH = 7 km ± 0.61km
STATIONS USED = 34, STAND DEV = 2.73s
Ms = 4.6 / 2, M_L = 5.0 / 5,

GTA	18.9	82	P	00 14 20.3	−1.4		
LZH	22.8	90	eP	00 15 02.0	−0.3		
CD2	24.7	101	eP	00 15 21.8	0.8		
BTO	26.5	76	eP	00 15 41.0	3.0		
			LN	Ms = 4.7		14.0	0.80
			LE			14.0	0.40
			LZ	Ms = 4.6		14.0	0.70
KMI	27.1	114	eP	00 15 49.0	5.2		
XAN	27.4	91	eP	00 15 47.5	1.6		
HHC	27.6	75	eP	00 15 52.0	3.8		

1985 8 28
O = 03 10 04.5 ± 0.05s
LAT = 22.16 S ± 1.51km
LONG = 171.17 E ± 1.38km
DEPTH = 123 km ± 0.55km
STATIONS USED = 37, STAND DEV = 1.18s

NJ2	73.5	316	+iP	03 21 26.8	0.3	
WHN	75.6	312	P	03 21 38.3	−0.1	
CN2	77.9	328	+P	03 21 49.8	−1.2	
GYA	79.0	304	P	03 21 57.3	0.3	
BJI	80.3	320	eP	03 22 04.0	−0.2	
TIY	81.2	317	eP	03 22 09.5	0.6	
XAN	81.4	312	eP	03 22 09.8	−0.2	
CD2	83.4	307	P	03 22 20.0	−0.4	
LZH	86.0	311	P	03 22 34.0	0.7	

1985 8 28
O = 11 35 41.8 ± 0.10s
LAT = 39.19 N ± 1.32km
LONG = 75.07 E ± 1.44km
DEPTH = 13 km ± 0.39km
STATIONS USED = 9, STAND DEV = 3.56s
M_L = 3.9 / 4,

WMQ	10.5	60	eP	11 38 14.0	−1.9		
			LN			2.5	0.11

1985 8 28
O = 13 09 09.5 ± 0.19s
LAT = 44.33 N ± 1.80km
LONG = 81.19 E ± 1.67km
DEPTH = 34 km ± 0.44km
STATIONS USED = 37, STAND DEV = 2.57s
M_L = 4.7 / 6,

WMQ	4.7	94	Pn	13 10 19.3	0.5		
KSH	6.2	220	ePg	13 11 02.0	2.0		
			iSg	13 12 23.0	−2.0		
			LE			3.0	5.40
GTA	14.7	103	P	13 12 37.3	−0.1		
			LN			1.2	0.10
LSA	16.6	148	+P	13 13 03.8	1.8		
LZH	19.1	108	eP	13 13 35.0	2.2		
BTO	21.5	90	eP	13 14 02.0	3.8		
CD2	22.2	119	P	13 14 03.5	−1.7		
HHC	22.6	88	eP	13 14 12.0	3.6		
XAN	23.7	106	eP	13 14 18.3	−1.4		
TIY	24.4	95	eP	13 14 29.5	3.4		
BJI	26.1	87	eP	13 14 47.0	4.2		
GYA	27.2	122	P	13 14 54.0	1.4		
WHN	29.5	107	eP	13 15 16.5	3.5		

1985 8 28
O = 16 47 53.9 ± 0.22s
LAT = 24.51 N ± 1.53km
LONG = 121.95 E ± 1.83km
DEPTH = 6 km ± 0.31km
STATIONS USED = 11, STAND DEV = 2.49s
M_L = 3.6 / 9,

QZH	3.1	279	cPn	16 48 42.5	−0.9		
			Sn	16 49 17.5	−5.1		
			SMN	M_L = 3.7		1.0	0.39
			SME			0.6	0.14

1985 8 28
O = 18 16 29.7 ± 0.09s
LAT = 22.04 S ± 1.25km
LONG = 171.70 E ± 1.38km
DEPTH = 69 km ± 0.69km
STATIONS USED = 22, STAND DEV = 1.43s

DL2	76.6	322	eP	18 28 15.8	0.4
TIA	77.6	318	eP	18 28 20.3	−0.4
CN2	78.0	328	+P	18 28 23.0	−0.3
GYA	79.3	304	−P	18 28 30.5	0.1
BJI	80.5	320	eP	18 28 36.5	−0.4
XAN	81.7	312	+P	18 28 42.8	−0.2
GTA	90.7	313	−P	18 29 28.0	0.7

1985 8 28
O = 20 50 48.3 ± 0.09s
LAT = 20.98 S ± 1.32km
LONG = 178.89 W ± 1.61km
DEPTH = 629 km ± 0.86km
STATIONS USED = 125, STAND DEV = 0.98s
m_B = 6.4 / 28

QZH	76.0	304	+P	21 01 34.5	−0.1		
			PMZ	m_B = 6.4		6.0	9.42
			pP	21 03 44.0	1.0		
			PP	21 04 34.5	−3.2		
			PPMZ			7.0	4.90
			iS	21 10 29.0	−0.3		
			SMN	m_B = 6.4		8.0	4.21
			SME			8.0	5.72
			SS	21 15 39.0	−3.9		
SSE	77.4	310	P	21 01 41.5	−0.5		
			iS	21 10 42.0	−1.7		
GZH	79.2	300	−iP	21 01 53.0	1.1		
			PMZ	m_B = 6.4		5.0	8.61
			pP	21 04 03.0	1.3		
			sP	21 05 02.0	−1.5		
			SMN	m_B = 6.4		10.0	4.07
			SME			9.0	6.80
NJ2	79.5	310	−iP	21 01 54.0	0.4		
			PMZ	m_B = 6.3		6.0	7.30
			pP	21 03 59.0	−4.5		
			sP	21 05 00.0	−5.1		
			S	21 11 04.0	−0.6		
			SS	21 16 31.0	−4.4		

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QZN	80.3	295	−iP	21 01 58.5	1.0			
			PMZ	$m_B = 6.1$		7.0	4.80	
			pP	21 04 13.0	5.3			
			sP	21 05 11.0	1.8			
			S	21 11 16.0	3.9			
			SMN	$m_B = 5.9$		11.0	1.90	
			SME			9.0	1.90	
			sS	21 14 56.0	−4.9			
MDJ	80.4	325	−iP	21 01 58.8	0.6			
			pP	21 04 13.5	5.1			
			sP	21 05 14.0	4.0			
			iS	21 11 19.0	3.8			
DL2	81.5	317	−iP	21 02 03.0	−0.6			
			PMZ	$m_B = 6.3$		5.0	4.96	
			pP	21 04 10.5	−3.8			
			sP	21 05 13.0	−2.9			
			eS	21 11 21.0	−4.8			
			SMN	$m_B = 6.2$		8.0	2.15	
			SME			8.0	3.83	
SNY	82.0	320	−iP	21 02 06.3	−0.1			
			PMZ	$m_B = 6.3$		6.0	6.10	
			pP	21 04 19.0	1.8			
			sP	21 05 20.0	1.3			
			S	21 11 32.0	2.7			
			SMN	$m_B = 6.2$		8.0	3.04	
			SME			8.0	2.75	
			sS	21 15 18.0	2.7			
			SS	21 17 16.0	3.9			
WHN	82.1	307	−iP	21 02 07.0	0.6			
			PMZ			1.4	0.32	
			ipP	21 04 20.0	2.7			
			iSP	21 05 18.0				
			iS	21 11 28.0	−3.2			
			SME	$m_B = 6.1$		8.0	3.55	
CN2	82.2	323	−iP	21 02 06.0	−1.0			
			PMZ	$m_B = 6.6$		5.0	10.0	
			epP	21 04 19.0	1.1			
			isP	21 05 20.0	0.6			
			eSKS	21 11 26.0	0.6			
			S	21 11 34.0	3.4			
			SMN	$m_B = 6.3$		8.0	3.60	
			SME			8.0	4.60	
			sS	21 15 24.0	7.3			
			SS	21 17 14.0	−0.1			
TIA	83.0	313	−P	21 02 11.3	0.2			
			PMZ	$m_B = 6.2$		7.0	5.33	
			sP	21 05 28.5	4.9			
			eS	21 11 41.0	0.7			
			SMN	$m_B = 6.0$		9.0	3.03	
			SME			9.0	0.86	
BJI	85.6	316	−iP	21 02 24.0	0.0			
			pP	21 04 41.0	4.8			
			sP	21 05 37.0	−0.3			
			PP	21 06 00.0	4.4			
			SKS	21 11 47.0	−1.5			
			S	21 12 05.0	1.3			
			sS	21 16 06.0	7.8			
			SMN	$m_B = 6.3$		9.0	2.66	
			SME			10.0	3.47	
GYA	86.2	300	−P	21 02 27.0	0.4			
			PMZ	$m_B = 6.4$		6.0	5.20	
			sP	21 05 37.0	−2.9			
			S	21 12 12.0	3.5			
TIY	87.0	312	−iP	21 02 31.0	0.6			
			PMZ			1.5	1.36	
			SKS	21 11 58.5	1.4			
			S	21 12 21.0	5.1			
			SMN	$m_B = 6.3$		10.0	2.55	
			SME			10.0	3.24	
XAN	87.8	308	+iP	21 02 34.8	0.7			
			PMZ	$m_B = 6.6$		5.5	6.29	
			sP	21 05 49.0	1.2			
KMI	88.8	297	−iP	21 02 40.5	1.3			
			PMZ	$m_B = 6.6$		5.0	5.23	
			pP	21 04 55.5	3.4			
			sP	21 05 50.0	−3.0			
HHC	89.1	315	−iP	21 02 40.0	−0.3			
			PMZ	$m_B = 6.6$		6.0	5.24	
			pP	21 04 52.0	−1.4			
			S	21 12 35.0	0.1			
			SMN	$m_B = 6.6$		8.0	3.52	
			SME			9.0	5.46	
			SKS	21 12 10.0	0.1			
BTO	90.0	314	−iP	21 02 44.8	0.2			
			PMZ	$m_B = 6.6$		5.0	3.90	
			pP	21 04 56.0	−1.9			
			sP	21 05 54.0	−4.7			
			SKS	21 12 16.0	0.7			
			S	21 12 44.0	1.0			
			SMN	$m_B = 6.4$		8.0	2.00	
			SME			8.0	2.70	
			sS	21 16 34.0	−7.0			
			SS	21 19 02.0	−3.9			
CD2	90.3	303	−iP	21 02 46.8	0.8			
			PMZ	$m_B = 6.6$		8.0	6.13	
			pP	21 04 58.0	−1.6			
			sP	21 05 58.0	−2.4			
			SKS	21 12 18.0	0.8			
			iS	21 12 53.8	5.9			
			SMN	$m_B = 6.7$		12.0	7.06	

			SME			12.0	9.29
LZH	92.4	308	−iP	21 02 56.0	0.4		
			PMZ			1.6	0.81
			pP	21 05 10.5	1.4		
			sP	21 06 06.0	−3.9		
			SKS	21 12 28.0	−0.6		
			eS	21 13 10.0	4.2		
			SME	m_B=6.5		6.0	2.94
			SS	21 19 44.0	5.1		
GTA	96.6	310	−iP	21 03 15.0	0.3		
			sP	21 06 30.0	0.7		
			SKS	21 12 50.0	−0.6		
LSA	100.1	298	P	21 03 29.8	−0.8		
			PP	21 07 47.0	−1.4		
			SKS	21 13 07.0	−1.0		
			S	21 14 14.0	5.8		
			SS	21 21 19.0	−5.6		
WMQ	106.6	311	+iP	21 03 58.5	−0.5		

1985 8 28

O=21 38 05.3 ± 0.14s
LAT=20.84 S ± 2.22km
LONG=178.96 W ± 1.81km
DEPTH=627 km ± 1.11km
STATIONS USED = 26, STAND DEV= 1.70s

MDJ	80.3	325	eP	21 49 14.5	0.0		
CN2	82.0	323	−P	21 49 22.5	−0.9		
BJI	85.5	316	eP	21 49 40.5	0.0		
XAN	87.6	308	−P	21 49 51.0	0.4		

1985 8 29

O=02 57 17.9 ± 0.11s
LAT= 1.87 N ± 1.39km
LONG=123.13 E ± 2.08km
DEPTH=450 km ± 0.99km
STATIONS USED = 41, STAND DEV= 1.46s

QZN	21.5	324	eP	03 01 34.5	0.7		
GZH	23.1	337	−P	03 01 50.0	0.8		
GYA	29.1	329	P	03 02 43.3	0.6		
CD2	34.2	330	+iP	03 03 26.5	0.5		
XAN	34.7	339	eP	03 03 30.3	0.6		
TIY	37.0	346	P	03 03 44.8	−4.5		
LZH	38.5	335	−P	03 04 03.6	2.3		
LSA	41.1	315	eP	03 04 23.8	0.6		
GTA	43.0	333	P	03 04 39.0	1.1		
			PcP	03 06 19.8	1.3		
			S	03 10 29.8	0.3		
WMQ	52.3	328	P	03 05 48.3	−0.3		

1985 8 29

O=03 45 05.9 ± 0.08s
LAT=40.18 N ± 2.34km
LONG=142.55 E ± 1.56km
DEPTH= 40 km ± 1.04km
STATIONS USED = 83, STAND DEV= 1.92s
Ms=4.7/20, m_B=5.5/ 2

MDJ	10.6	299	eP	03 47 41.0	3.2		
			PP	03 47 49.0	2.9		
			S	03 49 42.0	6.9		
			LE	Ms=4.5		14.0	3.07
CN2	13.2	291	eP	03 48 15.0	1.2		
			PMZ	m_B=5.8		4.0	0.60
			eS	03 50 44.0	3.9		
			LN	Ms=4.5		12.0	1.60
SNY	14.4	283	−P	03 48 31.0	1.6		
			pP	03 48 41.0	3.6		
			eS	03 51 16.0	7.4		
			LN	Ms=4.6		15.0	1.41
			LE			19.0	2.38
DL2	16.2	272	P	03 48 53.0	0.7		
			eS	03 51 55.0	5.1		
			LN	Ms=4.3		14.0	0.90
SSE	19.5	249	eP	03 49 29.0	−4.2		
			eS	03 53 04.0	−2.2		
			LN	Ms=4.5		11.0	0.54
			LE			10.0	0.45
			LZ	Ms=4.6		16.0	1.43
BJI	20.2	278	eP	03 49 37.0	−2.7		
			eS	03 53 15.0	−3.9		
			LN	Ms=4.7		16.0	0.67
			LE			16.0	1.56
TIA	20.3	267	eP	03 49 39.5	−2.3		
			eS	03 53 19.0	−3.9		
			LN	Ms=4.6		15.0	1.40
NJ2	20.7	254	+P	03 49 44.0	−1.9		
			sS	03 53 44.0	−1.7		
			LE	Ms=4.6		15.0	1.20
TIY	23.5	274	eP	03 50 12.0	−1.4		
			S	03 54 22.5	2.6		
			sS	03 54 33.0	−4.5		
			LN	Ms=4.6		13.0	0.66
			LE			14.0	0.55
HHC	23.5	282	P	03 50 12.0	−1.5		
			S	03 54 24.0	3.9		
			LE	Ms=4.8		16.0	1.54
BTO	24.7	282	eP	03 50 24.5	−0.6		
			S	03 54 46.0	5.3		
			LN	Ms=4.9		15.0	0.60
			LE			17.0	2.10
			LZ	Ms=5.0		17.0	2.70

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WHN	24.8	256	eP	03 50 26.5	0.3			
			S	03 54 48.0	5.1			
			LN	Ms=4.8		20.0	1.78	
QZH	25.2	240	eP	03 50 26.8	−2.5			
			sP	03 50 45.0	1.0			
			eS	03 54 46.0	−3.0			
			SME	m_B=5.2		7.0	0.50	
			LE	Ms=4.5		13.0	0.56	
XAN	27.4	268	eP	03 50 48.5	−1.6			
			LE	Ms=4.9		17.0	1.67	
GZH	30.0	244	+P	03 51 14.0	1.1			
LZH	30.6	275	eP	03 51 18.0	−0.5			
GTA	32.6	283	+P	03 51 36.0	−0.5			
			PcP	03 54 23.3	2.0			
			LE	Ms=5.3		18.0	3.90	
CD2	32.7	266	eP	03 51 35.5	−1.5			
GYA	32.7	256	+P	03 51 37.0	−0.5			
			S	03 56 48.0	−1.2			
			LN	Ms=5.1		15.0	1.10	
			LE			15.0	1.30	
KMI	36.4	258	+P	03 52 09.0	−0.1			
			eS	03 57 47.0	−0.4			
			LN	Ms=5.2		14.0	1.80	
WMQ	40.3	294	−iP	03 52 42.0	0.5			
			PMZ			2.0	0.18	
			S	03 58 50.0	4.9			
			ScS	04 02 45.0	3.8			
			LZ	Ms=4.8		20.0	0.87	

1985 8 29
O=05 25 44.7 ± 0.08s
LAT=39.37 N ± 0.96km
LONG= 75.30 E ± 0.77km
DEPTH= 17 km ± 0.05km
STATIONS USED = 15, STAND DEV= 1.81s
M_L=4.1/ 4,

WMQ	10.3	60	eP	05 28 16.0	0.9			
			LN			2.0	0.10	

1985 8 29
O=06 13 09.9 ± 0.24s
LAT=57.14 S ± 6.50km
LONG= 25.39 W ± 6.75km
DEPTH= 48 km ± 1.28km
STATIONS USED = 43, STAND DEV= 3.23s
Ms=5.8/ 2,

KMI	131.2	109	ePKP	06 32 18.0	−0.1			
GYA	134.3	111	PKP	06 32 26.3	2.4			
			PKS	06 36 04.0				
LZH	140.4	100	ePKP	06 32 36.5	1.5			
GTA	140.7	93	ePKP	06 32 30.5	−4.9			
WHN	141.5	116	ePKP	06 32 37.0	0.3			
XAN	141.6	107	ePKP	06 32 35.0	−1.9			
NJ2	144.9	120	+PKP	06 32 42.0	−0.6			
SSE	145.2	124	+PKP	06 32 43.0	−0.1			
			LN	Ms=5.7		20.0	0.90	
			LZ	Ms=5.8		20.0	1.16	
TIY	146.2	107	+iPKP	06 32 46.3	1.4			
BTO	147.0	101	+iPKP	06 32 49.0	2.6			
TIA	147.4	114	ePKP	06 32 50.0	3.1			
HHC	148.0	102	PKP	06 32 50.0	2.0			
BJI	149.9	108	ePKP	06 32 54.0	3.2			
DL2	151.8	116	PKP	06 33 00.0	6.3			
CN2	157.4	114	PKP	06 33 00.0	−1.3			

1985 8 29
O=06 25 38.1 ± 0.08s
LAT=57.15 S ± 2.86km
LONG= 25.49 W ± 2.84km
DEPTH= 44 km ± 0.14km
STATIONS USED = 17, STAND DEV= 2.14s
Ms=5.8/ 1,

XAN	141.6	107	cPKP	06 45 02.0	−3.6			
SSE	145.2	124	ePKP	06 45 11.8	0.0			
			sPKP	06 45 25.3				
			ePP	06 48 36.0	2.1			
TIY	146.3	107	ePKP	06 45 15.5	1.9			
			LE	Ms=5.8		20.0	1.03	
TIA	147.5	114	ePKP	06 45 18.5	2.9			
BJI	149.9	108	ePKP	06 45 25.0	5.5			

1985 8 29
O=08 20 07.2 ± 0.13s
LAT=22.06 N ± 2.24km
LONG=144.47 E ± 2.64km
DEPTH= 49 km ± 0.44km
STATIONS USED = 42, STAND DEV= 2.00s

NJ2	24.8	299	+P	08 25 27.3	0.6			
MDJ	25.6	335	eP	08 25 35.0	0.8			
DL2	25.8	316	−P	08 25 36.0	0.5			
SNY	26.4	323	+P	08 25 39.8	−1.5			
CN2	26.8	328	eP	08 25 43.8	−1.3			
TIA	27.6	307	eP	08 25 51.5	−1.1			
WHN	28.2	294	eP	08 25 57.0	−1.0			
GZH	28.7	278	eP	08 26 02.0	−0.6			
XAN	33.4	299	eP	08 26 41.5	−2.3			
GYA	34.7	285	P	08 26 54.3	−0.4			
CD2	37.3	292	+iP	08 27 16.3	−0.8			
LZH	37.9	301	+P	08 27 22.0	0.1			
GTA	41.6	305	+P	08 27 52.8	−0.2			

WMQ	51.3	309	−P	08 29 08.5	−0.5		

1985 8 29
O = 10 19 05.8 ± 0.16s
LAT = 39.90 N ± 1.48km
LONG = 118.76 E ± 1.50km
DEPTH = 11 km ± 0.63km
STATIONS USED = 11, STAND DEV = 4.02s
M_L = 3.2 / 14,

BJI	2.0	275	ePn	10 19 38.0	−1.9		
			ePg	10 19 41.5	0.5		
			eSn	10 20 01.5	−5.2		
			eSg	10 20 06.5	−1.8		
			SMN	M_L = 2.6		0.5	0.050
			SME			0.5	0.060
DL2	2.4	113	Pn	10 19 41.0	−5.0		
			Pg	10 19 45.5	−3.4		
			Sn	10 20 08.0	−9.7		
			SMN	M_L = 3.2		0.5	0.17
			SME			0.5	0.12
TIA	3.9	200	ePn	10 20 04.8	−1.4		
			Pg	10 20 17.5	2.7		
			Sn	10 20 59.3	5.2		
			SMN	M_L = 3.1		0.6	0.050
			SME			0.6	0.040
			SMZ	M_L = 3.1		0.5	0.030
SNY	4.1	61	ePg	10 20 22.8	4.0		
			Sn	10 20 54.0	−5.6		
			Sg	10 21 14.0	−1.2		
			SMN	M_L = 3.1		0.7	0.060
			SME			0.7	0.020
CN2	6.3	50	Pg	10 21 02.0	4.3		
			eSg	10 22 26.5	2.3		
			SMN	M_L = 3.4		1.0	0.030
			SME			1.0	0.020

1985 8 29
O = 10 23 40.2 ± 0.16s
LAT = 39.69 N ± 1.78km
LONG = 118.97 E ± 1.60km
DEPTH = 11 km ± 0.31km
STATIONS USED = 11, STAND DEV = 4.08s
M_L = 3.4 / 12,

BJI	2.2	280	ePn	10 24 13.0	−3.9		
			ePg	10 24 17.0	−1.8		
			eSg	10 24 42.0	−6.6		
			SMN	M_L = 3.5		0.5	0.35
			SME			0.5	0.38
DL2	2.2	110	Pn	10 24 16.5	−0.7		
			Pg	10 24 21.0	1.8		
			Sg	10 24 43.8	−5.5		
			SMN	M_L = 3.1		0.5	0.17
			SME			0.5	0.080
TIA	3.8	203	ePn	10 24 36.5	−2.2		
			cPg	10 24 49.8	3.0		
			Sn	10 25 20.5	−4.5		
			Sg	10 25 34.3	−4.0		
			SMN	M_L = 2.6		0.6	0.020
			SME			0.6	0.010
			SMZ	M_L = 2.6		0.5	0.010
SNY	4.1	57	ePn	10 24 46.8	3.6		
			eSn	10 25 28.8	−4.4		
			Sg	10 25 50.8	2.2		
			SMN	M_L = 3.1		0.7	0.050
			SME			0.7	0.020
CN2	6.3	48	Pg	10 25 37.5	5.1		
			eSg	10 27 02.0	2.9		
			SMN	M_L = 3.4		1.0	0.030
			SME			1.0	0.020

1985 8 29
O = 13 15 04.5 ± 0.08s
LAT = 39.35 N ± 1.24km
LONG = 75.08 E ± 1.19km
DEPTH = 11 km ± 0.23km
STATIONS USED = 28, STAND DEV = 1.77s
M_L = 4.8 / 4,

WMQ	10.5	61	P	13 17 36.5	−1.2
GTA	19.1	82	P	13 19 29.5	−0.9
LZH	22.9	89	P	13 20 12.5	2.2
CD2	24.8	101	eP	13 20 32.0	3.4
BTO	26.7	76	eP	13 20 48.8	2.7
KMI	27.2	113	eP	13 20 51.0	−0.1
XAN	27.5	90	eP	13 20 53.8	0.0

1985 8 29
O = 14 10 31.4 ± 0.18s
LAT = 28.39 N ± 3.12km
LONG = 140.48 E ± 2.28km
DEPTH = 12 km ± 0.19km
STATIONS USED = 41, STAND DEV = 2.95s
Ms = 4.7 / 12, m_B = 5.1 / 2

SSE	17.0	284	eP	14 14 28.0	−2.6		
			csP	14 14 40.0	1.0		
			LN	Ms = 4.5		14.0	1.16
			LZ	Ms = 4.4		14.0	0.99
NJ2	19.0	286	eP	14 14 54.3	−1.9		
			PMZ	m_B = 5.5		4.0	0.98
QZH	19.9	265	eP	14 15 05.5	0.1		
			S	14 18 40.0	−2.8		

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			LN	Ms=4.2	13.0	0.42
TIA	21.2	298	eP	14 15 22.0	2.5		
			eS	14 19 10.5	0.3		
			LN	Ms=4.4	13.0	0.72
WHN	22.8	282	eP	14 15 29.0	−6.8		
			ipP	14 15 41.0	−0.5		
			LE	Ms=4.8	15.0	1.59
BJI	23.1	306	eP	14 15 39.5	0.7		
			eS	14 19 38.0	−7.9		
			SME	m_B=4.6	9.0	0.23
			LE	Ms=4.5	13.0	0.65
TIY	25.2	299	eP	14 15 57.5	−1.4		
			pP	14 16 02.0	−2.4		
			PP	14 16 38.5	2.2		
HHC	26.7	305	−P	14 16 14.5	1.4		
XAN	27.5	290	eP	14 16 14.0	−6.2		
			LE	Ms=4.7	14.0	0.87
BTO	27.8	304	eP	14 16 17.0	−5.6		
			LN	Ms=4.8	14.0	0.60
			LE		14.0	0.80
			LZ	Ms=4.7	14:0	0.90
GYA	30.0	274	P	14 16 44.3	1.4		
			eS	14 21 39.0	−0.8		
			LN	Ms=4.8	15.0	0.90
			LE		15.0	0.70
CD2	31.9	284	−iP	14 17 01.0	1.4		
			S	14 22 06.0	−2.5		
			LZ	Ms=5.0	15.0	1.59
KMI	33.8	273	eP	14 17 17.5	1.7		
GTA	35.2	299	P	14 17 27.8	−0.5		
			LE	Ms=4.9	16.0	1.18
WMQ	44.6	305	P	14 18 46.5	0.6		

1985 8 29

O=14 40 35.0 ± 0.11s

LAT=24.16 N ± 1.24km

LONG=122.26 E ± 1.49km

DEPTH= 10 km ± 0.35km

STATIONS USED = 51, STAND DEV= 1.66s

Ms=4.5/15, M_L=4.5/10,

QZH	3.4	284	+Pn	14 41 29.8	1.0	
			Pg	14 41 41.3	5.8	
			Sn	14 42 06.3	−5.2	
			SMN	M_L=4.2	0.7	0.84
			SME		0.7	0.54
			LN	Ms=4.2	4.0	2.84
SSE	7.0	352	eP	14 42 17.0	−2.9	
			LN	Ms=4.1	16.0	2.62
			LZ	Ms=4.3	14.0	3.20
GZH	8.2	264	+P	14 42 38.0	0.3	
			S	14 44 11.0	−0.6	
			LN		3.0	1.82
			LE		4.0	0.99
NJ2	8.4	340	+P	14 42 37.5	−2.5	
			S	14 44 10.8	−5.0	
			LN	Ms=4.6	11.0	4.30
WHN	9.5	314	eP	14 42 55.0	0.3	
			sS	14 44 51.0	0.7	
			LG_2	14 45 45.0	−2.7	
			LN	Ms=4.7	6.0	2.07
TIA	12.8	341	eP	14 43 41.8	1.7	
			eS	14 46 04.3	0.5	
			eSS	14 46 20.5	2.5	
			LN	Ms=4.2	12.0	0.89
GYA	14.3	282	eP	14 44 00.5	0.6	
			S	14 46 36.0	−2.9	
			LG_2	14 48 27.0	0.5	
			LN	Ms=4.7	7.0	1.10
			LE		7.0	0.80
DL2	14.7	358	eP	14 44 08.0	2.8	
XAN	15.2	313	eP	14 44 12.0	−0.3	
			eS	14 46 58.0	−4.1	
			LE	Ms=4.3	14.0	1.00
TIY	15.9	330	P	14 44 22.5	1.6	
			PP	14 44 35.5	2.3	
			LN	Ms=4.5	13.0	1.32
			LE		11.0	0.43
BJI	16.6	343	eP	14 44 30.0	−0.2	
SNY	17.7	3	−P	14 44 44.3	1.4	
			LN	Ms=4.4	14.0	1.06
CD2	17.7	296	eP	14 44 44.3	0.5	
			S	14 47 53.5	−5.2	
			LZ	Ms=4.7	13 0	1.90
KMI	17.8	277	eP	14 44 46.5	1.8	
HHC	18.9	334	eP	14 45 00.7	2.2	
BTO	19.3	331	eP	14 45 03.0	−0.6	
			PP	14 45 19.0	−1.2	
			LN	Ms=4.7	15.0	1.40
			LE		15.0	0.80
			LZ	Ms=4.7	15.0	1.60
CN2	19.8	7	+P	14 45 05.5	−2.7	
			LN	Ms=4.4	12.0	0.60
LZH	19.8	311	+P	14 45 09.5	0.3	
GTA	24.3	314	P	14 45 53.8	−0.3	
			LE	Ms=4.6	18.0	1.05
WMQ	34.4	313	P	14 47 22.5	−2.3	

1985 8 29

O=18 43 18.4 ± 0.09s

LAT=39.46 N ± 1.40km

LONG= 75.23 E ± 0.39km
DEPTH= 6 km ± 1.05km
STATIONS USED = 6, STAND DEV= 4.00s
M_L=3.7/ 6,

KSH	0.6	91	+iPg	18 43 29.0	0.0		
			Sg	18 43 37.0	0.2		
			SMN	M_L=3.8		0.6	5.10
			SME			0.6	4.10
WMQ	10.3	61	eP	18 45 47.0	−3.0		
			LN			2.0	0.050

1985 8 29
O=22 58 19.8 ± 0.11s
LAT=24.58 N ± 1.32km
LONG=122.29 E ± 1.59km
DEPTH= 13 km ± 0.91km
STATIONS USED = 10, STAND DEV= 2.88s
M_L=3.4/ 6,

QZH	3.4	277	ePn	22 59 14.8	2.2		
			eSn	22 59 50.3	−4.2		
			Sg	23 00 10.3	4.6		
			SMN	M_L=3.4		0.6	0.14
			SME			0.6	0.070

1985 8 29
O=23 18 03.2 ± 0.10s
LAT=28.10 N ± 1.64km
LONG=140.91 E ± 1.52km
DEPTH= 22 km ± 0.13km
STATIONS USED = 58, STAND DEV= 1.52s
Ms=4.7/ 15, m_B=5.0/ 3

SSE	17.4	285	P	23 22 06.0	−0.8		
			sS	23 25 32.0	3.8		
			LN	Ms=4.7		12.0	1.20
			LE			12.0	1.39
			LZ	Ms=4.5		14.0	1.28
MDJ	18.8	334	eP	23 22 25.0	1.0		
			eS	23 25 54.0	4.1		
			SS	23 26 19.0	5.1		
			LE	Ms=4.7		14.0	1.54
DL2	19.3	309	eP	23 22 29.3	−0.7		
			eS	23 26 04.0	2.6		
			LN	Ms=4.7		11.0	1.26
			LE			11.0	0.68
NJ2	19.5	287	+P	23 22 33.0	1.1		
			pP	23 22 42.5	4.4		
			S	23 26 08.0	3.5		
			sS	23 26 20.0	5.0		
			LN	Ms=4.7		10.0	0.79
			LE			10.0	0.72
SNY	19.7	319	eP	23 22 35.0	1.0		
CN2	20.0	326	P	23 22 41.0	3.4		
QZH	20.2	266	eP	23 22 40.0	0.1		
			sP	23 22 53.0	2.7		
			S	23 26 21.5	1.2		
			SMN	m_B=4.7		8.0	0.29
			LE	Ms=4.5		12.0	0.80
TIA	21.7	298	eP	23 22 54.3	−0.4		
			eS	23 26 54.5	5.7		
			SMN	m_B=5.0		9.5	0.58
			LN	Ms=4.5		12.5	0.81
WHN	23.3	282	−P	23 23 13.0	2.4		
			eS	23 27 20.0	2.1		
			SME	m_B=5.9		11.0	4.24
			sS	23 27 28.0	−1.5		
			LE	Ms=4.5		13.0	0.75
NJI	23.6	307	eP	23 23 13.0	−1.0		
			LN	Ms=4.8		12.0	0.92
			LE			12.0	0.92
GZH	25.3	265	eP	23 23 33.5	3.0		
TIY	25.7	299	eP	23 23 33.0	−0.9		
			S	23 27 56.0	−2.1		
			LN	Ms=4.8		13.0	0.91
			LE			13.0	0.63
HHC	27.2	306	P	23 23 47.5	−0.4		
XAN	28.0	290	eP	23 23 53.5	−1.4		
			LE	Ms=4.7		15.0	1.03
BTO	28.2	304	eP	23 23 56.5	−0.9		
			eS	23 28 36.0	−4.9		
			LN	Ms=4.6		13.0	0.50
			LE			13.0	0.40
			LZ	Ms=4.6		13.0	0.70
GYA	30.4	275	P	23 24 17.0	0.0		
			S	23 29 17.0	2.3		
			LN	Ms=5.0		15.0	1.30
			LE			15.0	0.80
CD2	32.4	284	+iP	23 24 35.3	1.4		
			eS	23 29 44.8	−1.2		
GTA	35.7	299	P	23 25 02.0	−0.8		
			LN	Ms=4.7		13.0	0.61

1985 8 29
O=23 39 48.4 ± 0.07s
LAT=39.50 N ± 1.52km
LONG= 75.41 E ± 1.16km
DEPTH= 17 km ± 0.26km
STATIONS USED = 78, STAND DEV= 1.68s
Ms=5.0/ 17, M_L=5.2/ 6,

KSH	0.4	95	−iPg	23 39 57.5	0.6		
WMQ	10.2	61	P	23 42 16.0	−1.0		

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			S	23 44 10.0	−1.1		
			LN	Ms=5.2		6.0	6.42
LSA	16.2	122	eP	23 43 36.5	−1.3		
			LN	Ms=4.5		10.0	0.93
			LE			12.0	0.70
GTA	18.8	82	P	23 44 09.2	−1.1		
LZH	22.7	90	+iP	23 44 52.0	1.1		
			PMZ			1.5	0.19
			LN	Ms=5.1		10.0	1.06
			LE			10.0	1.83
CD2	24.6	102	+iP	23 45 11.3	1.7		
			S	23 49 32.0	5.3		
			LE	Ms=5.1		12.0	2.17
BTO	26.4	76	eP	23 45 27.0	0.4		
KMI	27.1	114	eP	23 45 32.5	−0.1		
			pP	23 45 36.5	−2.3		
			eS	23 50 08.0	−0.3		
			LE	Ms=5.0		14.0	1.80
XAN	27.3	91	+iP	23 45 34.3	−0.3		
			sS	23 50 18.0	−4.5		
			LN	Ms=5.2		11.0	1.58
			LE			9.0	1.10
HHC	27.5	75	P	23 45 37.3	0.4		
TIY	28.9	82	eP	23 45 49.0	0.2		
			eS	23 50 41.5	4.4		
			LN	Ms=5.0		11.0	0.78
			LE			13.0	1.41
GYA	29.1	107	P	23 45 51.0	0.0		
			LN	Ms=5.1		14.0	1.80
			LE			14.0	1.10
			LZ	Ms=5.1		14.0	2.20
BJI	31.1	76	eP	23 46 09.0	0.0		
			LN	Ms=4.9		13.0	0.63
			LE			11.0	0.84
TIA	32.9	82	eP	23 46 24.5	0.2		
			LN	Ms=4.7		10.0	0.53
WHN	32.9	94	+P	23 46 24.5	0.1		
			PcP	23 49 08.8	0.6		
			LN	Ms=5.0		11.0	1.08
DL2	35.5	76	eP	23 46 46.5	−0.4		
NJ2	35.7	88	−P	23 46 49.5	0.7		
			LZ	Ms=4.9		14.0	0.87
QZN	36.0	114	eP	23 46 50.5	−0.5		
			eS	23 52 20.0	−8.5		
			LE	Ms=5.0		13.0	1.00
SNY	36.2	70	+P	23 46 52.5	−0.5		
			S	23 52 25.0	−6.3		
			LN	Ms=5.0		8.5	0.50
			LE			12.0	0.78
CN2	37.2	67	eP	23 47 00.0	−0.9		
			PcP	23 49 19.0	−1.6		
			eS	23 52 47.0	0.3		
			LE	Ms=5.1		12.0	1.30
MDJ	39.9	64	eP	23 47 24.0	0.0		

1985 8 30
O=01 18 29.3 ± 0.09s
LAT= 3.13 S ± 1.06km
LONG=130.39 E ± 1.49km
DEPTH= 64 km ± 0.70km
STATIONS USED = 46, STAND DEV= 1.28s
Ms=4.8/ 7, m_B=5.1/ 2

QZN	29.9	318	eP	01 24 34.3	0.8		
			eS	01 29 32.0	7.5		
			LN	Ms=4.9		13.0	0.60
			LE			11.0	0.80
QZH	30.2	338	eP	01 24 36.0	0.1		
			eS	01 29 32.0	3.3		
			SMN	m_B=5.2		5.0	0.30
			LN	Ms=4.6		14.0	0.62
GZH	30.9	328	eP	01 24 42.0	−0.5		
			eS	01 29 47.5	7.1		
WHN	36.8	337	P	01 25 35.0	1.6		
			S	01 31 20.0	8.7		
			SME	m_B=5.0		10.0	0.31
			LE	Ms=4.8		16.0	0.84
GYA	37.3	323	P	01 25 38.0	0.4		
KMI	38.8	318	+P	01 25 53.0	2.5		
XAN	42.1	333	eP	01 26 16.5	−1.1		
CD2	42.3	325	eP	01 26 20.0	1.0		
			eS	01 32 37.0	2.3		
DL2	42.6	350	eP	01 26 21.5	0.2		
TIY	43.9	339	eP	01 26 32.0	−0.1		
			eS	01 32 52.5	−5.7		
			LN	Ms=4.7		13.0	0.25
			LE			14.0	0.27
BJI	44.9	345	eP	01 26 40.0	0.2		
SNY	45.2	353	eP	01 26 41.0	−1.0		
			S	01 33 19.0	4.0		
			SS	01 36 36.0	5.4		
			LN	Ms=4.8		23.0	0.82
LZH	46.2	330	+iP	01 26 51.5	0.9		
CN2	46.9	355	eP	01 26 54.5	−1.4		
			eS	01 33 40.0	−1.0		
			LE	Ms=4.6		22.0	0.50
HHC	47.0	340	eP	01 26 58.0	1.2		
BTO	47.3	339	eP	01 26 59.5	0.2		
MDJ	47.5	359	eP	01 27 01.0	0.3		
LSA	49.7	314	eP	01 27 17.0	−1.3		
GTA	50.8	329	P	01 27 25.5	−0.7		

WMQ	60.4	326	P	01 28 35.5	0.4			
			eS	01 36 49.0	5.6			
			LN	Ms=4.9		20.0	0.50	

1985 8 30
O=06 55 21.2 ± 0.08s
LAT=28.04 N ± 1.39km
LONG=140.90 E ± 1.27km
DEPTH= 27 km ± 0.09km
STATIONS USED = 45, STAND DEV= 1.36s
Ms=5.0/ 19, m_B=5.0/ 6

SSE	17.4	285	eP	06 59 26.0	1.8			
			eS	07 02 34.0	−1.6			
			LN	Ms=4.9		12.0	1.50	
			LE			12.0	2.17	
			LZ	Ms=4.9		12.0	2.70	
DL2	19.4	309	eP	06 59 46.5	−1.2			
			SME	m_B=5.3		6.0	0.83	
			LN	Ms=5.0		11.0	2.19	
			LE			12.0	1.37	
NJ2	19.5	287	eP	06 59 50.8	1.6			
SNY	19.7	319	eP	06 59 51.0	−0.8			
			LN	Ms=5.1		12.0	1.81	
			LE			12.0	2.94	
CN2	20.0	326	eP	06 59 58.0	2.6			
			eS	07 03 32.0	−2.5			
			LE	Ms=5.1		12.0	3.20	
QZH	20.2	266	+P	06 59 58.0	1.1			
			PMZ	m_B=4.9		4.5	0.28	
			eS	07 03 32.5	−5.1			
			SMN	m_B=5.0		5.0	0.30	
			LN	Ms=4.7		14.0	1.53	
TIA	21.7	298	eP	07 00 11.8	−0.4			
			LN	Ms=4.8		13.0	1.74	
WHN	23.3	283	eP	07 00 29.5	1.6			
			PP	07 01 06.0	7.5			
			LE	Ms=5.0		13.0	2.06	
BJI	23.6	307	eP	07 00 30.0	−1.5			
			PMZ	m_B=5.1		4.0	0.28	
			SMN	m_B=4.8		7.0	0.22	
			LN	Ms=4.9		12.0	1.10	
			LE			14.0	1.13	
GZH	25.3	265	−P	07 00 45.0	−2.6			
			SMN	m_B=5.2		10.0	0.74	
			LN	Ms=5.1		11.0	1.76	
			LE			10.0	0.69	
			LZ	Ms=4.9		14.0	1.60	
TIY	25.7	299	eP	07 00 50.8	−0.5			
HHC	27.2	306	eP	07 01 04.5	−0.9			
			LE	Ms=4.9		12.0	1.27	
XAN	28.0	290	eP	07 01 10.3	−1.9			
			eS	07 05 51.0	−2.2			
			LE	Ms=4.9		13.0	1.43	
BTO	28.3	304	eP	07 01 14.0	−0.9			
			eS	07 05 49.0	−9.0			
			LN	Ms=4.9		15.0	1.10	
			LE			15.0	1.00	
			LZ	Ms=5.0		15.0	1.70	
GYA	30.4	275	P	07 01 35.0	0.9			
			LN	Ms=5.1		14.0	1.60	
			LE			14.0	1.00	
LZH	32.3	294	eP	07 01 50.0	−0.4			
CD2	32.4	284	+iP	07 01 52.3	1.1			
			S	07 06 59.0	−2.8			
			LN	Ms=5.2		14.0	2.20	
KMI	34.2	274	eP	07 02 08.5	1.6			
			LE	Ms=5.3		18.0	2.90	
GTA	35.7	299	P	07 02 18.5	−1.7			
			eS	07 07 54.8	−0.3			
WMQ	45.1	305	P	07 03 36.0	−1.6			
			PMZ			1.5	0.040	
			S	07 10 13.0	−0.6			
			LN	Ms=5.2		11.0	0.97	
KSH	54.1	300	eP	07 04 48.0	1.1			

1985 8 30
O=07 09 13.5 ± 0.11s
LAT=24.79 N ± 1.09km
LONG=114.93 E ± 1.01km
DEPTH= 8 km ± 0.36km
STATIONS USED = 14, STAND DEV= 3.13s
M_L=3.7/ 18,

GZH	2.2	221	−iPn	07 09 53.5	2.4			
			iSn	07 10 20.5	−0.3			
			SMN	M_L=3.7		0.5	0.54	
			SME			0.5	0.55	
QZH	3.3	87	cPn	07 10 07.3	1.1			
			Pg	07 10 18.0	5.7			
			Sn	07 10 46.0	−2.0			
			SMN	M_L=3.5		0.5	0.21	
			SME			0.5	0.10	
WHN	5.8	355	ePg	07 10 55.0	−0.3			
			Sg	07 12 13.5	−0.4			
			SMN	M_L=3.6		0.6	0.060	
			SME			0.6	0.040	
			SMZ	M_L=3.6		1.0	0.030	
DL2	15.2	20	eP	07 12 49.5	−0.7			

1985 8 30
O=10 22 57.0 ± 0.10s

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LAT=16.96 S ± 1.95km
LONG=173.31 W ± 2.37km
DEPTH= 88 km ± 0.45km
STATIONS USED = 14, STAND DEV= 2.25s

CN2	82.3	320	eP	10 35 16.5	5.2	
BJI	86.6	314	eP	10 35 32.0	−0.6	
GYA	88.8	298	P	10 35 44.3	0.8	

1985 8 30
O=10 54 11.2 ± 0.12s
LAT=36.37 N ± 1.64km
LONG= 71.03 E ± 1.46km
DEPTH=105 km ± 0.87km
STATIONS USED = 76, STAND DEV= 1.58s
M_L=5.7/ 2, m_B=5.6/ 2

KSH	5.0	50	−iP	10 55 28.0	2.7		
			S	10 56 24.0	2.2		
			LN			0.5	25.9
WMQ	14.8	55	+P	10 57 35.0	−0.9		
			S	11 00 17.0	0.5		
			SMN	m_B=5.6		5.0	1.48
LSA	18.1	106	+iP	10 58 16.0	−2.0		
GTA	22.9	74	+iP	10 59 09.2	2.5		
			S	11 03 11.5	7.6		
LZH	26.4	81	+P	10 59 41.5	1.3		
CD2	27.7	92	P	10 59 53.0	1.0		
KMI	29.3	104	+P	11 00 06.0	−0.8		
			PMZ	m_B=5.6		4.0	0.50
			sP	11 00 47.0	4.6		
			eS	11 04 48.0	−3.7		
BTO	30.6	70	+iP	11 00 18.5	0.3		
			sP	11 00 59.0	5.1		
			ePP	11 01 24.0	2.1		
			eS	11 05 11.0	−0.9		
			SS	11 07 00.0	0.0		
HHC	31.8	69	+iP	11 00 28.5	0.3		
GYA	31.8	98	+P	11 00 28.0	−0.5		
			sP	11 01 06.0	1.6		
			S	11 05 32.0	2.6		
TIY	32.9	75	+P	11 00 38.0	0.3		
			S	11 05 49.5	3.6		
			ScP	11 06 50.5	−2.0		
			LE			12.0	0.22
BJI	35.4	70	eP	11 00 58.5	−0.4		
WHN	36.4	86	+P	11 01 08.0	0.6		
TIA	36.9	76	eP	11 01 12.0	0.4		
GZH	38.8	98	+P	11 01 28.0	0.8		
NJ2	39.5	82	+P	11 01 33.5	0.4		
DL2	39.7	71	eP	11 01 35.8	0.5		
SNY	40.6	66	+P	11 01 42.5	−0.1		
			S	11 07 44.0	0.5		
CN2	41.6	62	+P	11 01 50.8	−0.3		
SSE	41.7	82	eP	11 01 52.0	0.8		
			PMZ			1.0	0.040
MDJ	44.4	60	eP	11 02 11.5	−2.3		

1985 8 30
O=12 40 38.5 ± 0.19s
LAT=28.09 N ± 2.10km
LONG=140.85 E ± 1.58km
DEPTH= 38 km ± 1.24km
STATIONS USED = 28, STAND DEV= 2.05s
Ms=4.4/ 2, m_B=5.2/ 1

DL2	19.3	309	eP	12 45 02.5	−0.6		
NJ2	19.4	287	eP	12 45 05.5	0.7		
CN2	20.0	326	eP	12 45 10.5	−0.3		
QZH	20.2	266	eP	12 45 10.0	−2.6		
TIA	21.6	298	eP	12 45 27.5	−0.1		
WHN	23.2	282	eP	12 45 45.0	1.6		
			sS	12 50 00.0	−4.9		
			SME	m_B=5.2		10.0	0.71
			LN	Ms=4.5		15.0	0.80
BJI	23.6	307	eP	12 45 46.0	−0.9		
TIY	25.6	299	eP	12 46 06.5	−0.2		
			eS	12 50 38.0	7.9		
			LN	Ms=4.3		12.0	0.29
			LE			12.0	0.21
HHC	27.2	306	P	12 46 20.3	−0.5		
XAN	27.9	290	eP	12 46 25.8	−1.9		
BTO	28.2	304	eP	12 46 28.0	−2.3		
GYA	30.4	275	P	12 46 52.0	2.3		
CD2	32.3	284	eP	12 47 08.3	1.6		
GTA	35.7	299	P	12 47 34.0	−1.6		

1985 8 30
O=13 00 30.6 ± 0.13s
LAT=25.80 N ± 1.20km
LONG=102.88 E ± 1.13km
DEPTH= 10 km ± 0.29km
STATIONS USED = 18, STAND DEV= 3.09s
M_L=4.0/ 7,

KMI	0.7	191	+Pg	13 00 44.0	0.9		
			Sg	13 00 55.0	2.7		
			SME	M_L=4.7		1.0	26.1
GYA	3.5	78	Pn	13 01 27.0	1.9		
			Pg	13 01 34.3	2.4		
			Sg	13 02 27.8	8.5		
CD2	5.1	8	cPn	13 01 47.8	−0.4		
			Pg	13 02 04.8	3.2		
			Sg	13 03 14.0	2.0		

		SMN	M_L=4.0	1.2	0.23	
		SME		1.0	0.12	
QZN	9.3	135	eP	13 02 46.3	−2.0	
XAN	9.7	31	eP	13 02 49.8	−4.3	
BJI	18.0	35	eP	13 04 43.5	0.2	

1985 8 30
O=14 24 30.9 ± 0.06s
LAT= 7.12 N ± 1.06km
LONG=127.09 E ± 1.88km
DEPTH= 69 km ± 0.53km
STATIONS USED = 15, STAND DEV= 1.71s

QZN	20.5	307	eP	14 29 06.0	−0.1	
			eS	14 32 54.0	6.9	
KMI	29.4	310	eP	14 30 29.5	−0.6	
XAN	31.6	330	eP	14 30 46.5	−3.4	
CD2	32.2	320	eP	14 30 54.3	−0.7	
WMQ	50.2	323	eP	14 33 22.0	−0.4	

1985 8 30
O=15 09 50.0 ± 0.17s
LAT=24.43 N ± 1.87km
LONG=122.01 E ± 2.08km
DEPTH= 27 km ± 0.67km
STATIONS USED = 25, STAND DEV= 2.05s
Ms=3.6/ 1, M_L=4.0/11,

QZH	3.2	280	ePn	15 10 37.5	−0.9		
			Sg	15 11 32.0	3.0		
			SMN	M_L=3.8		1.0	0.49
			SME			0.8	0.20
SSE	6.7	354	P	15 11 27.8	−1.3		
			LN	Ms=3.6		12.0	0.60
GZH	8.1	262	eP	15 11 48.0	−0.1		
			SMN	M_L=4.3		1.0	0.090
			SME			1.0	0.060
NJ2	8.1	341	eP	15 11 46.3	−2.4		
WHN	9.1	314	eP	15 12 04.0	0.9		
			LG_2	15 14 53.0	1.7		
			SMZ			1.0	0.040
GYA	14.0	282	eP	15 13 13.5	4.1		
XAN	14.9	313	eP	15 13 19.0	−1.9		
TIY	15.6	331	eP	15 13 33.8	4.2		
CD2	17.4	236	eP	15 13 53.0	0.2		
LZH	19.5	311	eP	15 14 21.0	2.8		
CN2	19.5	7	eP	15 14 19.0	0.5		
WMQ	34.0	313	eP	15 16 35.3	0.9		

1985 8 30
O=16 17 47.9 ± 0.15s
LAT=28.10 N ± 1.80km
LONG=140.95 E ± 1.53km
DEPTH= 36 km ± 0.44km
STATIONS USED = 39, STAND DEV= 1.61s
Ms=4.5/ 4,

DL2	19.3	309	eP	16 22 13.0	−0.3		
NJ2	19.5	287	+P	16 22 19.0	3.8		
			LN	Ms=4.2		12.0	0.40
SNY	19.7	319	eP	16 22 20.8	3.6		
			eS	16 26 01.0	8.8		
			LN	Ms=4.6		10.0	0.58
			LE			12.0	0.84
CN2	20.0	326	eP	16 22 23.3	2.6		
QZH	20.2	266	P	16 22 24.5	1.5		
			eS	16 26 08.5	5.0		
TIA	21.7	298	eP	16 22 37.5	−0.4		
WHN	23.3	282	eP	16 22 56.0	2.3		
			LE	Ms=4.5		11.0	0.56
BJI	23.6	307	eP	16 22 56.5	−0.5		
TIY	25.7	299	eP	16 23 16.8	−0.1		
			eS	16 27 43.0	2.0		
			LN	Ms=4.5		12.0	0.43
			LE			12.0	0.27
HHC	27.2	306	P	16 23 30.0	−1.0		
XAN	28.0	290	eP	16 23 36.8	−1.1		
BTO	28.3	304	eP	16 23 38.0	−2.4		
GYA	30.5	275	P	16 24 02.0	2.0		
LZH	32.3	294	eP	16 24 15.0	−1.1		
CD2	32.4	284	eP	16 24 16.8	−0.1		
LSA	43.4	285	eP	16 25 48.5	−0.9		
WMQ	45.1	305	P	16 26 03.0	0.0		

1985 8 30
O=17 31 13.1 ± 0.36s
LAT=53.30 N ± 4.18km
LONG=172.67 E ± 1.90km
DEPTH= 42 km ± 1.81km
STATIONS USED = 47, STAND DEV= 2.26s
Ms=5.3/ 12,

CN2	32.1	272	+P	17 37 36.8	−2.5		
			eS	17 42 48.0	0.3		
			LN	Ms=5.5		15.0	5.00
BJI	39.9	274	eP	17 38 50.5	5.2		
			LN	Ms=5.1		17.0	1.52
TIA	41.8	269	eP	17 39 00.8	−0.3		
			eS	17 45 17.0	1.2		
			SS	17 48 20.0	2.7		
			LN	Ms=5.2		15.0	0.80
			LE			15.0	1.20
SSE	43.0	260	eP	17 39 08.0	−2.4		
			eS	17 45 30.0	−2.4		

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			sS	17 45 43.0	−7.8		
			LZ	Ms=5.1		24.0	1.84
BTO	43.2	279	eP	17 39 13.0	0.2		
			pP	17 39 19.0	−4.6		
			S	17 45 40.0	4.6		
			LN	Ms=5.6		16.0	3.40
			LE			16.0	0.90
			LZ	Ms=5.2		16.0	1.70
TIY	43.7	274	eP	17 39 16.3	0.2		
			eS	17 45 46.0	3.4		
			LN	Ms=5.4		15.0	1.93
			LE			15.0	0.65
WHN	47.4	265	eP	17 39 46.0	0.0		
			LE	Ms=5.2		16.0	1.31
XAN	48.2	273	eP	17 39 50.0	−2.3		
			LE	Ms=5.4		16.0	1.99
LZH	49.9	279	eP	17 40 04.5	−0.5		
GTA	50.0	285	P	17 40 05.6	−0.4		
			S	17 47 10.0	−1.4		
			LN	Ms=5.7		16.0	3.95
CD2	53.5	274	eP	17 40 32.3	−0.2		
WMQ	53.9	297	P	17 40 33.5	−1.4		
			PcP	17 41 41.3	2.2		
			eS	17 48 08.0	2.5		
			LZ	Ms=5.5		16.0	2.08
GYA	55.0	268	eP	17 40 44.5	1.0		
KMI	58.4	270	eP	17 41 12.5	5.1		
			pP	17 41 18.5	0.2		
			LE	Ms=5.2		19.0	1.15
LSA	61.9	283	eP	17 41 29.0	−2.7		
KSH	63.1	300	eP	17 41 44.0	4.3		

1985 8 30
O=19 01 41.7 ± 0.09s
LAT=67.93 N ± 1.05km
LONG= 18.07 W ± 1.31km
DEPTH= 13 km ± 0.15km
STATIONS USED = 31, STAND DEV= 0.83s
Ms=5.5/ 2,

WMQ	55.6	58	P	19 11 20.8	0.5		
			eS	19 19 03.5	−1.2		
			LN	Ms=5.2		16.0	0.95
GTA	63.4	50	P	19 12 13.5	−0.1		
			LE	Ms=5.9		14.0	3.37
BTO	65.0	41	eP	19 12 24.8	0.4		
HHC	65.1	40	eP	19 12 26.0	0.7		
MDJ	65.2	25	eP	19 12 23.5	−1.8		
CN2	65.3	28	eP	19 12 26.0	0.1		
SNY	66.8	30	eP	19 12 36.3	0.4		
BJI	67.0	37	eP	19 12 37.5	0.5		
LZH	67.6	48	+P	19 12 42.0	1.0		
TIA	70.9	37	eP	19 13 01.0	0.0		
GYA	77.5	49	P	19 13 40.0	0.6		

1985 8 30
O=19 15 56.2 ± 0.12s
LAT=25.86 N ± 1.30km
LONG=102.88 E ± 1.27km
DEPTH= 9 km ± 0.14km
STATIONS USED = 59, STAND DEV= 2.38s
Ms=4.7/18, M_L=4.9/ 5,

KMI	0.8	190	+iPg	19 16 11.0	1.2		
			iSg	19 16 22.0	2.1		
			SME	M_L=5.2		1.0	75.6
GYA	3.4	79	Pn	19 16 53.8	3.1		
			Sg	19 17 53.5	9.2		
			SMN	M_L=4.5		1.4	1.20
			SME			1.4	1.50
			LN	Ms=5.1		5.0	17.0
			LE			5.0	16.3
CD2	5.1	9	+iPn	19 17 16.0	2.9		
			Pg	19 17 29.0	3.0		
			Sg	19 18 41.0	5.5		
			LN	Ms=5.0		5.0	9.70
QZN	9.4	135	eP	19 18 13.0	−1.6		
			eS	19 20 03.5	2.4		
			LN	Ms=4.6		10.5	2.10
			LE			10.0	2.20
XAN	9.7	31	eP	19 18 16.0	−3.1		
			S	19 20 02.0	−6.8		
			LN	Ms=4.7		9.0	2.64
			LE			10.0	2.36
GZH	9.9	104	eP	19 18 21.0	−1.3		
			S	19 20 09.0	−5.7		
			LN	Ms=5.3		6.0	7.40
			LE			6.0	4.30
LZH	10.2	4	eP	19 18 26.0	−0.7		
LSA	11.1	293	eP	19 18 37.5	−1.1		
			S	19 20 50.0	7.2		
			LN	Ms=4.1		10.0	0.68
WHN	11.1	63	P	19 18 38.5	−0.5		
			S	19 20 39.0	−5.4		
			LN	Ms=5.1		8.0	4.60
			LE			8.0	3.96
TIY	14.3	32	eP	19 19 19.8	−1.9		
BTO	15.8	20	eP	19 19 40.0	−1.7		
			LN	Ms=4.9		12.0	2.00
			LE			12.0	2.30
			LZ	Ms=4.8		9.0	1.90
TIA	16.0	46	eP	19 19 42.5	−0.5		

			eS	19 22 36.8	−3.6		
			LN	Ms=4.5		8.0	0.51
			LE			7.0	0.50
			LZ	Ms=4.5		8.0	0.73
HHC	16.6	24	eP	19 19 49.8	−1.4		
BJI	18.0	35	eP	19 20 10.5	2.1		
			LN	Ms=4.5		8.0	0.69
			LE			10.0	0.30
DL2	20.4	46	eP	19 20 40.3	3.4		
WMQ	21.8	329	P	19 20 50.0	−0.6		
			eS	19 24 48.0	1.3		
			sS	19 24 52.0	−2.6		
			SS	19 25 23.5	1.1		
			LN	Ms=4.5		12.0	0.72
SNY	23.3	42	eP	19 21 04.3	−1.8		
			S	19 25 16.0	1.7		
			LN	Ms=4.6		19.0	0.54
			LE			15.0	1.05
CN2	25.6	40	eP	19 21 29.3	1.3		
			eS	19 25 54.0	0.0		
			LN	Ms=4.7		10.0	0.80
KSH	26.3	308	eP	19 21 37.0	2.7		

1985 8 30
O=20 27 10.3 ± 0.12s
LAT=17.01 N ± 1.58km
LONG=119.95 E ± 2.21km
DEPTH= 27 km ± 0.19km
STATIONS USED = 97, STAND DEV= 1.96s
Ms=5.0/28, M_L=4.8/ 4, m_B=5.3/ 3

QZH	8.0	351	+P	20 29 04.5	−3.0		
			S	20 30 29.5	−8.2		
			SMN	M_L=4.8		0.7	0.14
			SME			0.9	0.40
			LN	Ms=4.6		15.0	5.32
			LE			15.0	2.50
GZH	8.7	315	+P	20 29 13.0	−3.9		
			LN	Ms=4.8		15.0	4.88
			LE			15.0	7.60
QZN	9.8	283	P	20 29 28.3	−4.7		
			LN	Ms=4.8		12.0	2.80
			LE			15.0	6.20
SSE	14.1	4	eP	20 30 31.5	1.4		
			LN	Ms=4.7		14.0	1.79
			LE			15.0	2.23
			LZ	Ms=4.8		18.0	4.66
WHN	14.4	340	eP	20 30 34.0	−0.6		
			sP	20 30 43.5	−2.1		
			LN	Ms=4.8		15.0	2.56
			LE			20.0	3.10
			LZ	Ms=4.8		17.0	4.03
NJ2	15.0	356	−P	20 30 43.5	1.0		
			LE	Ms=4.7		11.0	1.80
GYA	15.5	310	P	20 30 51.0	1.9		
			pP	20 30 56.0	0.5		
			S	20 33 41.0	1.2		
			sS	20 33 51.0	0.1		
			LN	Ms=5.2		15.0	6.20
			LE			15.0	4.70
			LZ	Ms=5.2		15.0	8.30
KMI	18.0	300	+P	20 31 24.0	3.7		
			PMZ	m_B=5.3		5.0	0.68
			sP	20 31 35.0	3.8		
			LE	Ms=5.1		15.0	5.00
TIA	19.3	353	eP	20 31 36.5	0.5		
			eS	20 35 11.5	4.8		
			LN	Ms=4.7		13.5	0.86
			LE			13.5	1.12
			LZ	Ms=4.7		13.0	1.37
XAN	19.6	332	+P	20 31 39.5	−0.4		
			eS	20 35 11.0	−3.8		
			SME	m_B=5.2		12.0	1.25
			LN	Ms=5.2		14.0	4.88
			LE			14.0	2.67
CD2	20.2	316	+iP	20 31 46.3	0.0		
			S	20 35 25.0	−1.4		
			LZ	Ms=5.3		15.0	7.02
TIY	21.7	344	P	20 32 02.0	1.0		
			LN	Ms=5.0		14.5	2.71
DL2	21.9	4	−P	20 32 03.5	0.6		
			eS	20 36 00.0	1.8		
			LN	Ms=4.8		15.0	1.60
BJI	23.2	353	eP	20 32 17.0	1.1		
			esP	20 32 28.0	0.3		
			PMZ			3.0	0.56
			LN	Ms=4.9		15.0	1.62
			LE			16.0	1.72
LZH	23.8	326	+iP	20 32 23.5	1.5		
			PMZ			2.0	0.31
			sP	20 32 35.0	1.5		
			S	20 36 38.0	6.1		
			sS	20 36 50.0	4.3		
			PcS	20 39 42.0	−2.2		
			LN	Ms=5.4		15.0	4.60
			LE			15.0	4.41
HHC	24.8	345	−iP	20 32 33.0	0.8		
			sP	20 32 44.5	0.8		
			S	20 36 52.0	2.1		
			SMN	m_B=5.5		5.0	0.72
			LN	Ms=5.1		14.0	2.45

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SNY	24.9	6	−iP	20 32 33.3	0.4		
			S	20 36 54.0	2.6		
			LN	Ms=4.7		20.0	0.85
			LE			17.0	1.23
BTO	25.0	342	+P	20 32 34.0	0.0		
			eS	20 36 52.0	−2.1		
			LN	Ms=5.2		18.0	2.30
			LE			14.0	2.60
			LZ	Ms=5.0		18.0	2.60
CN2	27.1	9	+P	20 32 51.0	−2.2		
			PMZ			3.0	0.40
			sP	20 33 02.0	−3.0		
			PcP	20 36 10.8	−2.7		
			eS	20 37 22.0	−6.1		
			LE	Ms=5.0		13.0	1.70
GTA	28.4	326	+iP	20 33 06.1	1.1		
			S	20 37 53.0	5.1		
			LE	Ms=5.5		14.0	5.33
MDJ	28.7	14	−P	20 33 08.5	1.0		
LSA	29.2	301	eP	20 33 12.3	−0.4		
WMQ	38.2	321	+P	20 34 30.5	0.9		
			PMZ			1.5	0.15
			sP	20 34 39.5	−1.9		
			S	20 40 26.5	6.4		
			LN	Ms=5.7		14.0	4.78
KSH	44.2	310	eP	20 35 21.0	1.8		
			sP	20 35 31.0	0.0		
			LN	Ms=5.3		14.0	1.60

1985 8 30
O=20 38 41.9 ± 0.06s
LAT=25.88 N ± 0.53km
LONG=102.96 E ± 0.56km
DEPTH= 5 km ± 0.17km
STATIONS USED = 9, STAND DEV= 2.47s
Ms=3.4/ 2, M_L=4.1/ 4,

KMI	0.8	194	+iPg	20 38 56.0	0.0		
			Sg	20 39 07.0	0.5		
			SME	M_L=4.9		1.0	35.1
GYA	3.4	79	Pn	20 39 38.3	2.5		
			LN	Ms=3.1		5.0	0.25
			LZ	Ms=3.8		5.0	1.30
CD2	5.1	8	iPn	20 40 00.8	2.0		
XAN	9.6	31	eP	20 41 03.8	−0.7		
GZH	9.9	104	eP	20 41 05.0	−2.6		

1985 8 30
O=21 21 26.8 ± 0.18s
LAT=17.03 N ± 2.01km
LONG=119.92 E ± 2.05km
DEPTH= 32 km ± 0.14km
STATIONS USED = 41, STAND DEV= 2.03s
Ms=3.9/ 2, M_L=3.8/ 3,

QZH	8.0	351	eP	21 23 20.0	−3.3		
			S	21 24 44.5	−8.6		
			SME	M_L=3.8		1.0	0.030
			LN	Ms=3.8		16.0	0.97
QZN	9.8	283	P	21 23 42.8	−5.8		
			LE	Ms=4.0		16.0	1.10
WHN	14.4	340	eP	21 24 50.5	0.2		
GYA	15.5	310	P	21 25 03.0	−1.6		
TIA	19.3	353	eP	21 25 51.8	0.1		
XAN	19.6	332	+P	21 25 55.0	−0.5		
CD2	20.2	316	eP	21 26 01.8	0.0		
TIY	21.6	344	P	21 26 17.8	1.1		
BJI	23.2	353	eP	21 26 33.0	1.3		
SNY	24.9	7	P	21 26 48.5	−0.2		
BTO	25.0	342	eP	21 26 50.0	0.3		
			eS	21 31 05.5	−3.8		
LSA	29.2	301	eP	21 27 27.0	−1.3		
WMQ	38.1	321	P	21 28 47.0	1.8		

1985 8 31
O=06 03 47.5 ± 0.23s
LAT=39.14 N ± 2.25km
LONG= 20.47 E ± 2.46km
DEPTH= 36 km ± 1.30km
STATIONS USED = 18, STAND DEV= 3.16s
Ms=5.0/ 1,

WMQ	49.3	62	−P	06 12 42.5	6.6		
			LN	Ms=5.0		16.0	0.87
LZH	63.8	64	eP	06 14 17.5	−1.8		
CD2	66.5	69	eP	06 14 34.0	−2.2		
XAN	68.4	63	eP	06 14 45.6	−3.0		
GYA	71.0	71	eP	06 15 11.0	6.3		
CN2	73.3	47	eP	06 15 15.0	−2.7		

1985 8 31
O=06 30 40.1 ± 0.16s
LAT=28.15 N ± 3.10km
LONG=140.81 E ± 3.09km
DEPTH= 33 km ± 0.50km
STATIONS USED = 61, STAND DEV= 2.89s
Ms=4.7/15, m_B=5.4/ 3

MDJ	18.7	334	eP	06 35 03.0	4.5		
DL2	19.2	309	−P	06 35 06.0	1.6		
			S	06 38 37.0	3.6		
			LN	Ms=4.8		10.0	1.51
			LE			10.0	0.63
NJ2	19.4	287	eP	06 35 04.0	−2.2		

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			sS	06 38 52.0	2.2		
			LE	Ms=4.6		10.0	0.90
SNY	19.6	319	eP	06 35 09.5	1.1		
			eS	06 38 49.0	6.6		
			LN	Ms=5.0		11.0	1.36
			LE			12.0	1.92
CN2	19.9	326	eP	06 35 16.0	4.0		
			eS	06 38 56.0	6.6		
			LE	Ms=4.9		12.0	2.10
QZH	20.1	266	eP	06 35 14.3	0.0		
			sP	06 35 28.0	0.9		
			eS	06 38 54.0	0.0		
			sS	06 39 12.0	5.9		
			LE	Ms=4.4		12.0	0.61
TIA	21.6	298	eP	06 35 23.5	−5.6		
			SMN	m_B=5.3		8.0	0.31
			SME			8.0	0.79
			LE	Ms=4.5		11.0	0.68
			LZ	Ms=4.3		12.0	0.45
WHN	23.2	282	eP	06 35 48.5	3.5		
			sS	06 40 06.0	0.9		
			SME	m_B=5.7		10.0	2.25
			LN	Ms=5.0		10.0	1.62
BJI	23.5	307	eP	06 35 42.5	−5.8		
			LN	Ms=4.7		11.0	0.82
			LE			14.0	0.72
GZH	25.2	265	eP	06 36 07.0	1.9		
			eS	06 40 30.0	3.8		
			SME	m_B=5.4		10.0	1.01
TIY	25.6	299	eP	06 36 09.5	1.3		
			S	06 40 30.0	−0.8		
			LN	Ms=4.7		12.0	0.72
			LE			12.0	0.55
HHC	27.1	306	−P	06 36 23.0	0.6		
XAN	27.9	290	eP	06 36 24.0	−5.3		
BTO	28.1	304	eP	06 36 32.0	0.2		
			eS	06 41 12.0	−1.6		
			sS	06 41 36.0	7.6		
			eSS	06 42 39.0	2.7		
			LN	Ms=4.4		12.0	0.40
			LZ	Ms=4.4		12.0	0.40
GYA	30.3	275	P	06 36 52.5	1.1		
CD2	32.3	284	eP	06 37 04.3	−4.1		
			epP	06 37 18.0	0.7		
			LZ	Ms=5.5		5.0	1.48
KMI	34.1	274	+P	06 37 26.0	1.8		
			S	06 42 50.0	4.1		
			LZ	Ms=4.8		20.0	1.06
GTA	35.6	299	−iP	06 37 38.0	0.8		
			eS	06 43 11.3	0.6		
			SMN			12.5	1.14
LSA	43.2	284	eP	06 38 38.3	−2.6		
WMQ	45.0	305	P	06 38 50.5	−4.1		
			pP	06 39 07.0	3.2		
			LN	Ms=4.7		16.0	0.47

1985 8 31
O=07 26 50.7 ± 0.20s
LAT= 3.49 S ± 2.91km
LONG=134.91 E ± 3.25km
DEPTH= 26 km ± 0.82km
STATIONS USED = 19, STAND DEV= 3.94s

GYA	40.4	319	P	07 34 33.5	4.5		
CD2	45.3	321	P	07 35 05.5	−3.3		
LSA	53.3	311	P	07 36 13.5	2.6		
GTA	53.5	326	P	07 36 06.3	−5.8		
WMQ	63.3	324	eP	07 37 17.5	−3.0		

1985 8 31
O=12 06 16.1 ± 0.11s
LAT=27.96 N ± 1.18km
LONG=140.79 E ± 1.15km
DEPTH= 52 km ± 0.83km
STATIONS USED = 17, STAND DEV= 1.52s
Ms=4.4/ 2, m_B=5.2/ 1

NJ2	19.4	287	eP	12 10 42.5	1.5		
QZH	20.1	266	eP	12 10 50.0	1.7		
			eS	12 14 32.0	6.0		
TIA	21.6	298	eP	12 11 03.3	−0.7		
WHN	23.2	283	eP	12 11 19.5	0.1		
			SME	m_B=5.2		11.0	0.71
			LE	Ms=4.5		10.0	0.57
BJI	23.6	307	eP	12 11 23.0	−0.4		
TIY	25.6	300	eP	12 11 43.5	0.4		
			LN	Ms=4.4		11.0	0.26
			LE			11.0	0.25
XAN	27.9	290	eP	12 12 03.5	−0.3		
LZH	32.2	294	eP	12 12 39.0	−3.0		
WMQ	45.1	305	P	12 14 29.5	0.2		

1985 8 31
O=16 24 13.2 ± 0.11s
LAT=19.87 N ± 1.22km
LONG=121.30 E ± 2.15km
DEPTH= 35 km ± 0.41km
STATIONS USED = 43, STAND DEV= 2.07s
Ms=4.0/ 4,

QZH	5.6	334	eP	16 25 33.5	−3.3		
GZH	8.1	295	+iP	16 26 07.0	−3.9		
			LN	Ms=3.9		16.0	1.10

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			LE			16.0	0.66
QZN	10.8	267	P	16 26 46.0	−3.2		
			LN	Ms=4.2		15.0	0.90
			LE			16.0	1.20
WHN	12.3	331	eP	16 27 06.0	−3.5		
GYA	15.0	299	P	16 27 42.5	−1.7		
TIA	16.7	348	eP	16 28 06.5	0.3		
XAN	17.9	325	+P	16 28 21.0	−0.3		
KMI	17.9	290	+P	16 28 25.0	3.1		
CD2	19.3	308	eP	16 28 38.0	0.2		
TIY	19.4	338	eP	16 28 38.0	−1.1		
			LN	Ms=4.1		11.0	0.26
			LE			11.0	0.19
BJI	20.6	349	eP	16 28 52.0	0.1		
SNY	22.0	5	eP	16 29 07.0	1.0		
LZH	22.3	320	−P	16 29 10.5	1.4		
HHC	22.5	340	P	16 29 14.3	2.9		
BTO	22.8	337	P	16 29 15.0	0.7		
			eS	16 33 13.0	−3.8		
CN2	24.1	7	eP	16 29 26.0	−1.0		

1985 8 31
O=17 56 16.0 ± 0.06s
LAT=15.27 S ± 0.78km
LONG=167.48 E ± 1.53km
DEPTH=147 km ± 0.52km
STATIONS USED = 21, STAND DEV= 1.09s

MDJ	68.8	332	eP	18 07 07.5	0.3
CN2	70.2	329	+P	18 07 14.0	−1.5
GYA	72.2	305	+P	18 07 27.0	−0.5
XAN	74.2	313	+P	18 07 38.5	−0.7
KMI	74.8	302	+iP	18 07 43.5	1.0
CD2	76.5	308	eP	18 07 52.8	0.7
LZH	78.8	312	eP	18 08 06.0	0.9

1985 8 31
O=18 47 27.9 ± 0.05s
LAT=12.85 S ± 1.06km
LONG=169.32 E ± 1.11km
DEPTH=659 km
STATIONS USED = 17, STAND DEV= 1.14s

CN2	69.1	328	+P	18 57 33.0	0.2
XAN	73.9	311	eP	18 58 00.8	0.2
CD2	76.5	306	eP	18 58 16.0	1.4
LZH	78.6	311	+P	18 58 27.5	1.6
GTA	82.8	313	−iP	18 58 49.0	1.3

1985 8 31
O=21 33 21.8 ± 0.09s
LAT=25.89 N ± 0.79km
LONG=102.84 E ± 0.77km
DEPTH= 5 km ± 0.32km
STATIONS USED = 8, STAND DEV= 2.83s
M_L=3.0/ 5,

KMI	0.8	187	+iPg	21 33 33.5	−2.2		
			Sg	21 33 44.5	−1.5		
			SME			2.0	5.63
GYA	3.5	80	ePn	21 34 19.5	2.4		
			Pg	21 34 28.0	4.7		
			Sg	21 35 17.5	6.5		
			SMN	M_L=2.8		1.2	0.030
			SME			1.2	0.020
CD2	5.1	9	ePn	21 34 40.0	1.3		