

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)							
<p>1985 9 1 O=01 38 44.4 ± 0.10s LAT=39.42 N ± 1.74km LONG=75.36 E ± 1.36km DEPTH=11 km ± 0.56km STATIONS USED = 24, STAND DEV = 2.73s M_L=4.2 / 3,</p>								<p>1985 9 1 O=19 07 41.9 ± 0.13s LAT=23.72 N ± 1.97km LONG=102.75 E ± 1.49km DEPTH=6 km ± 0.34km STATIONS USED = 91, STAND DEV = 2.38s M_s=5.4 / 27, M_L=5.3 / 6,</p>														
KSH	0.5	85	iPg	01 38 54.5	1.2			KMI	1.4	360	iPn	19 08 11.5	2.9									
			Sg	01 39 02.0	2.1						Sn	19 08 34.0	5.1									
WMQ	10.2	61	eP	01 41 13.5	-1.2						LE		4.0	102								
			LG ₂	01 44 15.5	-6.5						LN		M _s =5.4	8.0	47.2							
			LN			2.0	0.20				LE			8.0	33.5							
			LE			2.0	0.090															
GTA	18.9	82	P	01 43 08.3	0.6			GYA	4.5	52	Pn	19 08 52.0	1.3									
CD2	24.6	101	eP	01 44 08.4	1.7						LN		M _s =5.4	8.0	47.2							
<p>1985 9 1 O=06 28 27.7 ± 0.09s LAT=0.87 N ± 1.77km LONG=121.73 E ± 3.26km DEPTH=69 km ± 0.19km STATIONS USED = 30, STAND DEV = 1.87s</p>								<p>CD2</p>								7.2	7	ePn	19 09 29.8	1.4		
QZN	21.5	328	eP	06 33 10.8	-1.8						Sn	19 11 01.0	7.9									
			eS	06 37 07.0	5.1						Sg	19 11 34.0	5.9									
GYA	29.3	332	P	06 34 26.2	0.0						LE		M _s =5.2	15.0	29.1							
CD2	34.4	332	eP	06 35 10.5	-0.3			QZN	8.1	124	eP	19 09 39.4	-3.5									
XAN	35.1	341	eP	06 35 15.0	-1.9						LE		M _s =5.3	15.0	29.1							
TIY	37.6	348	eP	06 35 38.2	-0.1			GZH	9.7	92	-P	19 10 02.5	-3.4									
BJI	39.3	353	eP	06 35 52.0	0.0						S	19 11 53.0	-3.7									
SNY	40.8	2	+P	06 36 04.0	-0.4						LN		M _s =5.5	10.0	24.3							
GTA	43.3	335	P	06 36 25.8	1.1			XAN	11.6	26	eP	19 10 28.0	-3.6									
WMQ	52.4	329	P	06 37 35.8	0.0						iS	19 12 35.0	-7.8									
<p>1985 9 1 O=15 23 15.9 ± 0.17s LAT=35.06 N ± 4.04km LONG=141.14 E ± 3.99km DEPTH=32 km ± 1.38km STATIONS USED = 39, STAND DEV = 3.10s</p>								<p>LN</p>									M _s =5.4	12.0	10.7			
MDJ	13.0	321	eP	15 26 30.0	8.5						LE			12.0	14.7							
CN2	14.9	310	-P	15 26 49.2	2.7			LSA	12.0	302	P	19 10 35.6	-1.1									
SNY	15.3	301	+P	15 26 56.3	4.7			WHN	12.4	54	P	19 10 41.0	-0.6									
TIA	19.5	280	eP	15 27 41.8	-2.1						eS	19 12 57.0	-3.8									
BJI	20.4	291	eP	15 27 49.0	-3.8			LZH	12.4	4	eP	19 10 39.5	-2.4									
XAN	26.5	277	eP	15 28 52.3	-0.4						eS	19 13 04.0	2.7									
LZH	30.2	283	eP	15 29 25.0	-1.5						LG ₂	19 14 21.0	-8.9									
								<p>LN</p>									M _s =5.7	3.8	11.0			
								<p>LE</p>										8.4	10.0			
								<p>QZH</p>								14.5	82	eP	19 11 08.3	-1.6		
								<p>LE</p>									M _s =5.4	8.0	6.90			
								<p>GTA</p>								15.8	352	P	19 11 25.0	-2.6		
								<p>TIY</p>								16.2	29	eP	19 11 31.0	-1.5		
								<p>sP</p>										19 11 40.5	0.5			
								<p>S</p>										19 14 28.5	-3.8			
								<p>sS</p>										19 14 48.0	8.7			
								<p>LN</p>									M _s =5.6	12.5	9.10			

		LE		13.0	12.2	LZH	34.4	272	-P	22 04 46.0	0.3			
NJ2	16.5	56	eP	19 11 36.2	0.8	CD2	37.1	264	eP	22 05 07.9	-0.3			
			eS	19 14 40.0	1.7	WMQ	42.6	292	+P	22 05 54.0	0.1			
			LN	Ms = 5.5										
			LE		11.0	7.40	1985 9 1							
TIA	17.6	42	eP	19 11 50.7	1.2	O = 22 25 36.4 ± 0.12s								
BTO	17.9	18	P	19 11 51.5	-2.2	LAT = 0.61 N ± 1.72km								
			eS	19 15 05.0	-6.6	LONG = 121.52 E ± 2.31km								
			LE	Ms = 5.4		14.0	8.50	DEPTH = 110 km ± 0.26km						
SSE	17.9	62	eP	19 11 48.0	-5.8	STATIONS USED = 68, STAND DEV = 1.35s								
			SS	19 15 27.0	-6.8	m _B = 5.4 / 2								
			LG ₁	19 17 04.0	-1.1	QZN	21.6	329	P	22 30 18.0	-0.8			
			LG ₂	19 17 38.0	4.5				cS	22 34 05.5	-0.9			
			LN	Ms = 5.5		7.0	4.76	GZH	23.7	341	-P	22 30 40.4	1.1	
			LE		7.0	2.10	QZH	24.4	354	-P	22 30 46.5	1.0		
HHC	18.6	21	eP	19 12 02.0	-0.5				pP	22 31 12.0	3.4			
			pP	19 12 06.0	-0.3				cS	22 34 58.0	3.6			
			S	19 15 30.3	3.5				SMN	m _B = 5.4		6.0	0.60	
			sS	19 15 34.0	-0.1	GYA	29.4	332	P	22 31 31.8	-0.3			
			SS	19 15 41.0	-9.9	SSE	30.3	359	eP	22 31 40.5	0.5			
			LN	Ms = 5.4		10.0	2.74		eS	22 36 36.0	5.0			
			LE		10.0	5.76		LN			30.0	1.10		
BJI	19.8	32	eP	19 12 16.0	-0.5	KMI	30.4	325	eP	22 31 41.0	0.2			
			eS	19 15 57.0	2.3				PMZ		3.0	0.40		
			LN	Ms = 5.3		18.0	6.30		pP	22 32 09.0	4.5			
			LE		20.0	6.90	WHN	30.5	348	eP	22 31 43.0	1.1		
DL2	22.1	42	eP	19 12 33.0	-6.5	NJ2	31.4	356	-P	22 31 50.0	0.8			
			eS	19 16 40.0	1.7				PMZ		3.0	0.50		
			LN	Ms = 5.5		12.0	4.00		pP	22 32 17.0	3.8			
			LE		12.0	6.80	CD2	34.5	332	eP	22 32 16.1	-0.4		
WMQ	23.6	332	P	19 12 55.0	0.5	TIA	35.7	354	P	22 32 26.5	0.5			
			eS	19 17 05.5	-0.2	TIY	37.9	348	eP	22 32 45.0	0.4			
			sS	19 17 12.2	-0.9				LN		14.0	6.40		
			LN	Ms = 5.3		12.0	4.09		LE		13.0	0.30		
SNY	25.0	39	-P	19 13 09.0	0.3	DL2	38.1	0	eP	22 32 46.5	-0.1			
			LN	Ms = 5.2		13.0	1.70	LZH	38.9	337	-P	22 32 54.5	0.9	
			LE		10.0	2.43	BJI	39.5	354	eP	22 32 58.5	0.0		
CN2	27.4	37	eP	19 13 31.0	0.8	LSA	40.9	318	P	22 33 10.0	-0.2			
			eS	19 18 09.5	0.4	SNY	41.1	2	-P	22 33 10.4	-0.7			
1985 9 1						BTO	41.2	347	eP	22 33 12.0	0.1			
O = 21 58 00.7 ± 0.09s						CN2	43.1	4	eP	22 33 26.4	-1.7			
LAT = 44.05 N ± 1.99km									PcP	22 35 15.0	-0.7			
LONG = 148.02 E ± 0.86km						GTA	43.4	335	P	22 33 30.2	-0.2			
DEPTH = 51 km ± 1.39km						MDJ	44.4	8	eP	22 33 39.5	1.3			
STATIONS USED = 30, STAND DEV = 1.15s						WMQ	52.5	329	+P	22 34 40.5	-0.5			
CN2	16.3	277	eP	22 01 45.4	-2.0				pP	22 35 10.0	3.4			
SNY	18.0	271	-iP	22 02 10.7	1.3				S	22 41 48.5	-8.2			
BJI	23.9	271	eP	22 03 11.0	0.0				SMN		1.5	0.090		
BTO	28.1	276	eP	22 03 51.0	0.3	KSH	56.7	319	eP	22 35 12.0	0.5			
									pP	22 35 41.0	3.6			

1985 9 1
 O = 23 34 05.5 ± 0.14s
 LAT = 39.42 N ± 2.27km
 LONG = 75.29 E ± 2.18km
 DEPTH = 19 km ± 0.96km
 STATIONS USED = 32, STAND DEV = 3.27s
 Ms = 4.4 / 1, ML = 4.5 / 4,

KSH	0.5	86	iPg	23 34 15.0	-0.6		
			Sg	23 34 23.0	-0.1		
WMQ	10.3	61	P	23 36 34.0	-1.3		
			LG ₁	23 39 35.0	6.9		
			LN			2.0	0.20
LSA	16.2	122	cP	23 37 53.3	-1.8		
GTA	18.9	82	P	23 38 27.2	-1.2		
LZH	22.8	89	P	23 39 09.0	0.4		
CD2	24.7	101	cP	23 39 33.0	5.9		
KMI	27.1	114	+P	23 39 52.0	2.2		
			pP	23 39 56.0	-0.4		
			eS	23 44 32.0	6.4		
			LN			Ms=4.4	11.0 0.40
GYA	29.2	107	P	23 40 15.4	7.1		

1985 9 2
 O = 01 32 53.1 ± 0.11s
 LAT = 17.11 N ± 1.22km
 LONG = 119.29 E ± 1.25km
 DEPTH = 37 km ± 0.34km
 STATIONS USED = 42, STAND DEV = 1.34s
 Ms = 4.3 / 5,

WHN	14.1	342	eP	01 36 15.6	2.9		
			eS	01 38 50.7	2.0		
			LN			Ms=4.2	10.0 0.60
NJ2	14.9	359	+P	01 36 26.0	3.3		
GYA	15.0	311	cP	01 36 22.0	-1.9		
KMI	17.4	300	cP	01 36 54.5	-0.1		
			eS	01 39 56.0	-9.0		
			LE			Ms=4.3	12.0 0.60
TIA	19.1	355	P	01 37 15.8	-0.1		
XAN	19.3	333	cP	01 37 15.6	-1.8		
			LN			Ms=4.3	10.0 0.30
			LE				10.0 0.40
CD2	19.7	317	cP	01 37 21.4	-1.1		
			eS	01 40 54.0	-3.6		
TIY	21.4	345	P	01 37 40.0	0.1		
			eS	01 41 29.0	-1.3		
			LN			Ms=4.3	11.0 0.40
BJI	23.0	354	cP	01 37 56.0	0.1		
LZH	23.3	327	cP	01 38 00.5	1.1		
BTO	24.7	343	cP	01 38 14.0	1.1		

			eS	01 42 29.0	-0.9		
			LN			Ms=4.3	13.0 0.30
			LE				13.0 0.30
SNY	24.9	8	cP	01 38 14.4	0.1		
CN2	27.1	10	cP	01 38 35.7	0.8		

1985 9 2
 O = 08 36 59.7 ± 0.14s
 LAT = 28.16 N ± 2.32km
 LONG = 140.85 E ± 2.31km
 DEPTH = 34 km ± 0.36km
 STATIONS USED = 81, STAND DEV = 1.89s
 Ms = 5.2 / 36, m_B = 5.6 / 16

SSE	17.3	284	-P	08 41 02.0	1.1		
			PMZ			m _B =5.2	12.0 1.50
			S	08 44 14.0	3.4		
			sS	08 44 20.0	-3.4		
			LN			Ms=5.1	16.0 5.80
MDJ	18.7	334	cP	08 41 16.0	-2.1		
			S	08 44 36.0	-5.7		
			LE			Ms=5.1	12.0 3.90
DL2	19.2	309	cP	08 41 23.0	-1.1		
			eS	08 44 56.0	2.1		
			LN			Ms=5.3	11.0 4.50
			LE				11.0 1.90
NJ2	19.4	287	-P	08 41 26.0	0.0		
			PMZ			m _B =5.5	5.0 1.30
			S	08 45 04.0	6.8		
			LN			Ms=5.0	12.5 2.40
			LE				12.5 1.60
SNY	19.6	319	cP	08 41 28.6	0.6		
			S	08 45 04.0	2.5		
			sS	08 45 12.0	-2.2		
			LN			Ms=5.2	12.0 2.18
			LE				12.0 3.36
CN2	19.9	326	cP	08 41 33.6	2.0		
			eS	08 45 13.0	4.0		
			LE			Ms=5.2	12.0 4.20
QZH	20.2	266	P	08 41 35.0	0.9		
			S	08 45 17.0	3.6		
			sS	08 45 30.0	3.4		
			LE			Ms=4.7	14.0 1.47
TIA	21.6	298	cP	08 41 47.5	-1.3		
			PMZ			m _B =5.4	5.0 0.90
			esP	08 41 58.0	-4.0		
			S	08 45 35.2	-5.2		
			SMN			m _B =5.5	8.0 0.40
			SME				8.0 1.30
			LN			Ms=5.0	12.0 0.70
			LE				12.0 2.10

			LZ	$M_s=4.9$	12.0	2.00	CD2	32.3	284	eP	08 43 26.5	-1.6		
WHN	23.2	282	+P	08 42 06.0	1.3					eS	08 48 32.0	-6.5		
			sP	08 42 17.0	-1.0					LE	$M_s=5.6$	8.0	2.96	
			PMZ	$m_B=5.7$	4.0	1.40	KMI	34.1	274	eP	08 43 42.5	-1.4		
			S	08 46 17.0	7.2					S	08 49 10.0	4.3		
			SME	$m_B=5.9$	11.0	4.20				sS	08 49 17.0	-5.3		
			LE	$M_s=5.2$	11.0	3.30				LN	$M_s=5.5$	15.0	3.97	
BJI	23.5	307	eP	08 42 08.0	0.0		GTA	35.6	299	+P	08 43 56.3	-0.5		
			PMZ	$m_B=5.2$	4.0	0.40				PP	08 45 25.7	8.6		
			eS	08 46 15.0	-1.3					S	08 49 30.5	1.3		
			SMN	$m_B=5.6$	11.0	1.70	LSA	43.3	284	P	08 45 00.6	0.0		
			SME		13.0	1.60				eS	08 51 29.0	3.4		
			LN	$M_s=5.2$	11.0	2.40	WMQ	45.0	305	-P	08 45 13.5	-0.7		
			LE		16.0	2.70				PMZ		1.8	0.010	
GZH	25.3	265	eP	08 42 25.5	0.7					sP	08 45 24.6	-3.1		
			eS	08 46 49.0	2.9					S	08 51 52.0	3.1		
			SMN	$m_B=5.7$	12.0	1.20				LN	$M_s=5.1$	16.0	1.26	
			SME		11.0	2.30	KSH	54.0	300	+P	08 46 24.0	0.4		
TIY	25.6	299	eP	08 42 27.0	-0.9					eS	08 54 03.0	6.8		
			PMZ	$m_B=5.8$	4.0	1.00								
			LN	$M_s=5.3$	13.0	3.60								
			LE		11.0	0.70								
HHC	27.1	305	eP	08 42 41.0	-1.0									
			PP	08 43 31.0	2.9									
			S	08 47 17.0	1.6									
			LN	$M_s=5.2$	11.0	1.65								
			LE		14.0	2.50								
XAN	27.9	290	eP	08 42 47.0	-2.0		NJ2	19.5	287	+P	08 42 56.9	0.6		
			LN	$M_s=4.9$	16.0	0.30				PMZ	$m_B=5.7$	4.0	1.40	
			LE		16.0	1.40	QZH	20.2	266	+P	08 43 05.0	0.6		
BTO	28.2	304	+P	08 42 51.0	-0.5					S	08 46 42.5	-1.4		
			ePP	08 43 42.5	0.9					sS	08 46 54.0	-3.5		
			S	08 47 33.5	1.3					LN	$M_s=4.7$	13.0	1.30	
			LN	$M_s=5.2$	12.0	2.10	WHN	23.2	282	eP	08 43 35.0	0.0		
			LE		12.0	0.50				PMZ	$m_B=5.7$	5.0	1.70	
			LZ	$M_s=4.7$	12.0	0.70				S	08 47 50.0	9.8		
QZN	29.8	259	eP	08 43 06.0	0.4					SME	$m_B=5.9$	11.0	4.20	
			S	08 47 59.0	1.2					LE	$M_s=5.2$	11.0	3.00	
GYA	30.4	275	P	08 43 11.0	-0.1		BJI	23.6	307	eP	08 43 36.0	-2.2		
			S	08 48 10.0	2.7		HHC	27.2	305	P	08 44 10.8	-1.4		
			LN	$M_s=5.4$	15.0	2.80	XAN	27.9	290	P	08 44 17.2	-2.0		
			LE		15.0	2.60				eS	08 48 58.0	-1.1		
			LZ	$M_s=5.4$	15.0	4.50				LN	$M_s=5.4$	12.0	1.80	
LZH	32.2	294	+P	08 43 26.5	-0.6					LE		14.0	3.30	
			PMZ		3.0	0.20	BTO	28.2	304	eP	08 44 18.0	-3.6		
			PPP	08 44 51.0			GYA	30.4	275	P	08 44 40.0	-1.3		
			eS	08 48 37.0	0.1		CD2	32.3	284	P	08 44 59.0	0.8		
			PcS	08 49 56.0	-2.3		WMQ	45.0	305	P	08 46 45.0	0.7		
			LN	$M_s=5.3$	14.0	2.23				eS	08 53 21.0	0.7		
			LE		13.0	1.84				PMZ		2.0	0.020	

1985 9 2

O = 08 38 29.6 ± 0.10s

LAT = 28.15 N ± 2.56km

LONG = 140.90 E ± 1.44km

DEPTH = 36 km ± 0.37km

STATIONS USED = 31, STAND DEV = 1.77s

 $M_s = 5.2 / 6,$ $m_B = 5.7 / 5$

1985 9 2
 O=08 57 08.4 ± 0.13s
 LAT=23.57 N ± 1.48km
 LONG=102.72 E ± 1.45km
 DEPTH= 9 km ± 0.12km
 STATIONS USED = 21, STAND DEV= 3.09s
 Ms=4.5/ 2, M_L=4.3/ 7,

KMI	1.5	1	iPn	08 57 37.5	0.8		
			Sn	08 58 00.0	1.6		
			LE			5.0	9.20
GYA	4.6	50	Pn	08 58 18.6	0.1		
			Sg	08 59 40.6	8.5		
			SMN	M _L =4.4	1.2	0.60	
			SME		1.2	0.60	
			LN	Ms=4.6	8.0	6.00	
			LE		8.0	4.20	
CD2	7.4	7	ePn	08 58 57.0	0.4		
GZH	9.8	91	eP	08 59 37.0	4.6		
			eS	09 01 19.0	-4.4		
			SMN		1.0	0.10	
			SME		1.0	0.10	
XAN	11.8	26	eP	08 59 55.5	-4.1		
WHN	12.5	54	eP	09 00 12.5	3.3		
			eS	09 02 32.0	2.7		
			LE	Ms=4.5	9.0	1.30	

1985 9 2
 O=09 36 31.2 ± 0.07s
 LAT=28.00 N ± 1.18km
 LONG=140.81 E ± 1.26km
 DEPTH= 33 km ± 0.27km
 STATIONS USED = 23, STAND DEV= 1.08s

NJ2	19.4	287	eP	09 40 59.2	1.4		
TIA	21.6	298	+P	09 41 20.9	0.0		
BJI	23.6	307	eP	09 41 40.0	-0.3		
TIY	25.6	299	P	09 42 00.8	0.8		
HHC	27.2	306	eP	09 42 13.4	-0.9		
XAN	27.9	290	eP	09 42 19.8	-1.1		
BTO	28.2	304	eP	09 42 22.4	-1.3		
GYA	30.3	275	eP	09 42 42.6	0.0		
CD2	32.3	284	eP	09 42 59.3	-0.5		
GTA	35.7	299	P	09 43 28.5	-0.5		

1985 9 2
 O=10 39 09.2 ± 0.12s
 LAT=26.86 N ± 2.63km
 LONG=142.81 E ± 2.50km
 DEPTH= 35 km ± 0.64km
 STATIONS USED = 34, STAND DEV= 2.18s

NJ2	21.5	290	eP	10 43 57.0	0.0		
SNY	21.7	318	eP	10 44 00.5	1.0		
CN2	22.0	325	eP	10 44 04.4	2.4		
TIA	23.7	299	eP	10 44 18.4	-0.9		
WHN	25.2	285	eP	10 44 34.5	1.0		
XAN	30.0	292	P	10 45 15.8	-1.2		
GYA	32.2	278	eP	10 45 38.6	1.6		
CD2	34.3	286	+iP	10 45 54.3	-0.6		
KMI	36.0	276	eP	10 46 09.5	0.4		
GTA	37.8	300	iP	10 46 24.7	0.3		
WMQ	47.2	306	P	10 47 41.5	0.8		

1985 9 2
 O=11 23 51.6 ± 0.12s
 LAT= 5.39 S ± 0.67km
 LONG=146.90 E ± 0.25km
 DEPTH=231 km ± 1.32km
 STATIONS USED = 29, STAND DEV= 0.76s

NJ2	45.8	326	+P	11 31 53.8	1.1		
SNY	51.6	338	eP	11 32 36.0	-0.6		
KMI	52.5	307	eP	11 32 45.5	1.5		
CN2	52.7	341	eP	11 32 43.6	-1.0		
XAN	53.2	320	P	11 32 48.0	-0.3		
CD2	54.8	314	eP	11 33 00.4	0.3		
LZH	57.7	319	eP	11 33 22.0	1.2		
GTA	62.2	320	P	11 33 51.7	0.2		

1985 9 2
 O=12 33 16.0 ± 0.13s
 LAT=26.51 N ± 2.29km
 LONG=126.39 E ± 1.80km
 DEPTH=144 km ± 1.46km
 STATIONS USED = 60, STAND DEV= 2.46s
 M_L=4.2/ 1,

SSE	6.5	316	-P	12 34 49.0	-0.8		
			LG ₁	12 36 46.6	7.9		
QZH	7.2	259	eP	12 35 00.0	0.0		
NJ2	8.6	312	-P	12 35 17.0	-1.4		
			eS	12 36 53.0	-0.8		
WHN	11.3	294	P	12 35 55.5	1.0		
			eS	12 38 05.0	6.2		
TIA	12.5	323	eP	12 36 10.5	0.7		
DL2	13.0	343	eP	12 36 22.8	6.5		
SNY	15.4	352	+P	12 36 49.5	2.0		
BJI	15.9	330	eP	12 36 54.0	0.3		
TIY	16.2	317	P	12 36 59.0	1.6		
XAN	16.8	301	P	12 37 04.8	0.1		
CN2	17.3	358	-iP	12 37 10.2	0.4		
GYA	17.7	274	P	12 37 16.0	1.4		
HHC	18.8	323	eP	12 37 28.2	0.6		

BTO 19.5 320 eP 12 37 34.0 -0.8
eS 12 41 06.0 3.0
CD2 20.3 288 eP 12 37 41.8 -1.0
GTA 25.6 307 iP 12 38 32.9 -1.4

1985 9 2

O=13 52 23.3 ± 0.23s
LAT=12.42 N ± 2.27km
LONG=144.15 E ± 2.17km
DEPTH= 29 km ± 1.03km

STATIONS USED = 51, STAND DEV = 1.81s

WHN 32.9 308 eP 13 58 56.5 -1.2
CN2 35.2 336 eP 13 59 16.6 -0.5
BJI 36.9 323 eP 13 59 31.0 -1.0
GYA 37.9 297 P 13 59 41.0 1.2
PcP 14 01 57.0 1.4
TIY 37.9 317 eP 13 59 39.8 -0.3
XAN 38.6 310 -P 13 59 45.0 -0.8
KMI 41.0 294 eP 14 00 07.0 0.7
BTO 41.0 319 eP 14 00 06.0 -0.3
CD2 41.5 303 eP 14 00 10.0 -0.2
LZH 43.2 310 -P 14 00 24.5 0.3
GTA 47.4 313 iP 14 00 57.8 0.0
WMQ 57.4 314 P 14 02 12.0 -0.4
iPcP 14 03 05.0 0.0

1985 9 2

O=17 21 21.9 ± 0.04s
LAT=23.58 N ± 0.37km
LONG=102.91 E ± 0.37km
DEPTH= 23 km ± 0.36km

STATIONS USED = 5, STAND DEV = 2.62s

 $M_L = 3.5 / 4,$

KMI 1.5 354 iPg 17 21 49.0 -0.8
Sg 17 22 10.0 -0.9
SMN $M_L = 3.0$ 1.2 0.20
SME 1.2 0.20
GYA 4.5 49 ePn 17 22 31.0 2.2
Pg 17 22 49.8 9.1
Sg 17 23 51.4 9.8
SMN $M_L = 3.2$ 1.2 0.040
SME 1.2 0.040

1985 9 3

O=03 33 10.7 ± 0.15s
LAT=52.90 N ± 2.34km
LONG=107.26 E ± 1.94km
DEPTH= 31 km ± 0.47km

STATIONS USED = 54, STAND DEV = 2.81s

 $M_s = 4.6 / 12,$

HHC 12.4 165 P 03 36 07.0 -1.4
BTO 12.5 170 eP 03 36 07.0 -2.0
eS 03 38 25.0 -2.9
LG₂ 03 39 52.0 -9.6
LN $M_s = 4.6$ 12.0 2.20
LE 12.0 1.00
LZ $M_s = 4.7$ 12.0 2.60

BJI 14.2 151 eP 03 36 29.0 -3.5
LN $M_s = 4.5$ 16.0 1.60
LE 15.0 0.88

GTA 14.4 204 P 03 36 33.3 -1.9
CN2 15.1 120 eP 03 36 41.5 -2.2
PPP 03 36 57.5
eS 03 39 22.0 -8.8
LN $M_s = 4.7$ 13.0 1.40
LE 13.0 1.60

TIY 15.6 165 eP 03 36 52.0 1.5
S 03 39 47.0 4.8
LN $M_s = 4.6$ 10.0 1.00
LE 8.0 0.60

WMQ 15.8 243 eP 03 36 55.7 2.6
eS 03 39 53.0 5.3
LG₁ 03 41 24.5 -3.1
MDJ 16.8 111 eP 03 37 10.0 4.0
LZH 17.0 190 eP 03 37 09.5 1.5
LN 3.5 0.90
LE 3.0 1.50

TIA 18.1 153 eP 03 37 23.9 2.4
XAN 18.9 176 eP 03 37 28.9 -2.7
eS 03 40 57.5 -0.4
LN $M_s = 4.5$ 12.0 1.00

CD2 22.1 188 eP 03 38 05.7 0.1
eS 03 42 07.0 4.1
NJ2 22.5 153 eP 03 38 11.4 2.5
LE $M_s = 4.3$ 11.0 0.40

WHN 22.9 164 eP 03 38 17.0 3.5
eS 03 42 25.0 7.6
LG₁ 03 45 10.0 -1.2
LN $M_s = 4.6$ 11.0 0.70

KSH 25.3 250 eP 03 38 33.0 -3.2
GYA 26.4 181 P 03 38 50.8 3.8
LN $M_s = 4.9$ 13.0 1.20
LE 13.0 0.90

KMI 28.0 189 eP 03 38 59.5 -1.6

1985 9 3

O=07 49 40.2 ± 0.09s
LAT=36.05 N ± 1.63km
LONG= 70.86 E ± 1.52km
DEPTH= 83 km ± 0.46km



STATIONS USED = 39, STAND DEV = 3.08s															
M _L = 4.5 / 2,															
KSH	5.3	49	eP	07 51 03.0	4.3	WHN	23.2	282	P	14 04 56.0	1.5	SME	m _B = 5.2		
			S	07 52 01.0	2.4				S	14 09 03.0	3.7	LE	M _S = 4.5	16.0	0.90
			LN		0.5 4.40				SME	m _B = 5.5	10.0	1.40			
WMQ	15.0	54	eP	07 53 09.0	-0.8				LN	M _S = 4.5	10.0	0.60			
			S	07 55 49.0	-5.2	BJI	23.6	307	eP	14 04 56.0	-1.8				
			SMN		1.6 0.060				eS	14 09 07.0	0.8				
LSA	18.2	105	eP	07 53 46.6	-2.4				eSS	14 09 51.0	-3.3				
GTA	23.1	73	P	07 54 41.8	1.9				SME	m _B = 5.1	12.0	0.60			
LZH	26.6	80	eP	07 55 17.5	4.4				LN	M _S = 4.6	11.0	0.60			
CD2	27.8	91	eP	07 55 25.8	1.5				LE		13.0	0.49			
BTO	30.9	70	eP	07 55 51.6	0.2	GZH	25.3	265	eP	14 05 16.0	1.6				
XAN	31.1	82	eP	07 55 52.0	-1.3				eS	14 09 42.0	6.6				
GYA	31.9	97	eP	07 56 00.4	-0.1				LE	M _S = 4.3	11.0	0.30			
TIY	33.1	74	eP	07 56 09.0	-1.8	TIY	25.6	299	eP	14 05 17.7	0.0				
BJI	35.6	70	eP	07 56 32.5	0.3				S	14 09 46.0	5.8				
									LN	M _S = 4.8	12.0	0.90			
									LE		12.0	0.60			
						HHC	27.1	306	P	14 05 30.4	-1.4				
									S	14 10 03.0	-2.2				
									LE	M _S = 4.7	11.0	0.67			
						XAN	27.9	290	eP	14 05 37.5	-1.2				
									S	14 10 23.0	5.5				
									LE	M _S = 4.7	13.0	0.90			
						BTO	28.2	304	eP	14 05 40.0	-1.3				
									eS	14 10 21.0	-2.0				
									LN	M _S = 4.6	13.0	0.50			
									LE		13.0	0.30			
									LZ	M _S = 4.6	13.0	0.60			
						QZN	29.8	259	eP	14 05 57.0	1.8				
									eS	14 10 57.0	9.1				
						GYA	30.4	275	P	14 06 01.0	0.2				
									S	14 11 04.0	7.3				
									LN	M _S = 4.8	12.0	0.90			
						LZH	32.2	294	-P	14 06 17.5	0.6				
									eS	14 11 28.5	2.0				
									LE	M _S = 4.8	13.0	0.80			
						CD2	32.3	284	eP	14 06 16.8	-1.0				
									eS	14 11 28.8	0.7				
									LN	M _S = 5.1	13.0	1.80			
						KMI	34.1	274	+P	14 06 33.5	-0.1				
									eS	14 11 56.0	-0.5				
									sS	14 12 08.0	-4.6				
									LN	M _S = 4.8	16.0	0.98			
						GTA	35.7	299	P	14 06 45.2	-1.4				
									S	14 12 22.3	3.4				
						WMQ	45.0	305	-P	14 08 03.0	-1.0				
									S	14 14 42.0	3.4				
									LE	M _S = 4.7	18.0	0.50			

1985 9 3

O = 13 59 49.5 ± 0.12s
 LAT = 28.12 N ± 2.57km
 LONG = 140.86 E ± 2.18km
 DEPTH = 37 km ± 0.60km

STATIONS USED = 62, STAND DEV = 1.78s

M_S = 4.7 / 26, m_B = 5.3 / 7

SSE	17.4	285	P	14 03 48.0	-2.8						
			SS	14 07 17.0	-5.2						
			LN		M _S = 4.7	12.0	0.90				
			LE			12.0	1.20				
DL2	19.3	309	eP	14 04 11.0	-3.0						
			LN		M _S = 4.7	12.0	1.30				
			LE			14.0	0.90				
NJ2	19.4	287	-iP	14 04 17.0	1.2						
			PMZ		m _B = 5.3	4.0	0.60				
			pP	14 04 25.0	0.8						
			S	14 07 55.0	8.1						
			LN		M _S = 4.5	11.0	0.57				
			LE			11.0	0.50				
SNY	19.6	319	eP	14 04 17.8	-0.2						
			eS	14 07 51.0	-1.3						
			SMN			13.0	0.48				
			SME			10.0	0.50				
			LN		M _S = 4.8	12.0	1.10				
			LE			12.0	1.44				
CN2	20.0	326	eP	14 04 30.0	8.4						
QZH	20.2	266	+P	14 04 23.0	-0.8						
			eS	14 08 12.0	8.5						
			sS	14 08 26.0	9.3						
TIA	21.6	298	eP	14 04 38.0	-0.6						
			eS	14 08 36.3	5.3						

KSH	54.1	300	eP	14 09 13.0	-0.3		
			PP	14 11 17.0	1.7		

GTA	35.8	299	P	16 53 21.0	-0.7		
LSA	43.4	285	eP	16 54 25.9	0.6		
WMQ	45.1	305	P	16 54 38.5	-0.5		

1985 9 3

O = 15 21 56.3 ± 0.12s
 LAT = 39.44 N ± 1.72km
 LONG = 75.43 E ± 0.42km
 DEPTH = 6 km ± 1.45km
 STATIONS USED = 5, STAND DEV = 5.30s

1985 9 3

O = 22 14 11.3 ± 0.09s
 LAT = 43.17 N ± 1.05km
 LONG = 88.47 E ± 0.91km
 DEPTH = 13 km ± 0.36km
 STATIONS USED = 8, STAND DEV = 3.62s

$M_L = 3.8 / 4,$

KSH	0.4	88	Pg	15 22 03.5	-0.6		
			Sg	15 22 10.5	0.7		
			SMN	$M_L = 3.1$	0.2	1.73	
			SME		0.3	0.65	

$M_L = 3.2 / 5,$

WMQ	0.9	319	-iPg	22 14 25.5	-1.3		
			Sg	22 14 35.9	-2.7		
GTA	9.3	110	P	22 16 26.1	-2.8		

1985 9 3

O = 15 44 07.8 ± 0.07s
 LAT = 43.92 N ± 1.05km
 LONG = 88.39 E ± 0.61km
 DEPTH = 21 km ± 0.25km
 STATIONS USED = 8, STAND DEV = 2.14s

1985 9 3

O = 23 32 47.1 ± 0.12s
 LAT = 1.47 N ± 2.42km
 LONG = 128.27 E ± 3.08km
 DEPTH = 109 km ± 0.85km
 STATIONS USED = 107, STAND DEV = 1.51s

$M_L = 3.7 / 5,$

WMQ	0.5	259	-iPg	15 44 17.3	-0.4		
			Sg	15 44 23.6	-1.5		
GTA	9.7	114	P	15 46 29.3	0.2		

$m_B = 6.1 / 26$

QZN	25.1	315	cP	23 38 02.0	-1.5		
			S	23 42 16.5	-0.5		
			SMN	$m_B = 6.0$	11.0	2.50	
			SME		13.0	5.60	

1985 9 3

O = 16 46 23.6 ± 0.13s
 LAT = 28.08 N ± 2.43km
 LONG = 140.96 E ± 2.54km
 DEPTH = 35 km ± 0.61km
 STATIONS USED = 49, STAND DEV = 1.87s

1985 9 3

QZH	25.1	339	-iP	23 38 04.0	0.3		
			PMZ		3.0	4.67	
			pP	23 38 28.0	1.2		
			sP	23 38 40.0	-0.3		
			iS	23 42 22.0	3.8		
			sS	23 43 03.0	4.0		

$M_S = 4.0 / 3,$

DL2	19.4	309	eP	16 50 48.0	-1.3		
NJ2	19.5	287	-P	16 50 51.5	0.4		
			eS	16 54 30.0	5.6		
TIA	21.7	298	-P	16 51 14.2	0.4		
WHN	23.3	282	eP	16 51 31.5	1.9		
BJI	23.7	307	eP	16 51 31.5	-1.5		
			S	16 55 50.0	8.5		
TIY	25.7	299	eP	16 51 53.0	0.1		
			eS	16 56 10.0	-7.2		
			LN	$M_S = 4.3$	12.0	0.30	
			LE		13.0	0.20	

1985 9 3

GZH	25.9	327	P	23 38 11.1	0.1		
SSE	30.2	348	-P	23 38 49.2	-0.6		
			PMZ		1.0	0.20	
			pP	23 39 13.6	0.0		
			sP	23 39 25.0	-1.9		
			PP	23 39 53.0	0.8		
			PPP	23 40 08.0			
			S	23 43 40.0	0.7		

$m_B = 5.6$

HHC	27.2	306	+P	16 52 06.4	-0.5		
BTO	28.3	304	eP	16 52 16.0	-0.4		
			eS	16 56 58.0	-1.0		
GYA	30.5	275	P	16 52 35.8	-0.1		
LZH	32.3	294	eP	16 52 51.5	-0.5		
CD2	32.4	284	eP	16 52 52.4	-0.5		

			SMN	$m_B = 5.6$	8.0	1.70	
			sS	23 44 22.0	0.0		
			SS	23 45 28.0	1.9		
			LN		9.0	1.10	
			LE		9.0	0.70	
NJ2	31.7	345	+P	23 39 02.7	0.0		
			PMZ		3.0	0.80	
			pP	23 39 29.0	2.3		

WHN	31.8	337	S	23 44 00.0	-2.4			ScS	23 49 55.0	2.4				
			-iP	23 39 05.2	1.7			LN		14.0	1.10			
			PMZ			0.6	0.50	LE		15.0	1.20			
			pP	23 39 31.5	4.0			TIY	38.9	340	-iP	23 40 04.2	0.2	
			isP	23 39 45.0	4.1			PMZ			2.0	1.10		
			PP	23 40 15.0	2.9			pP	23 40 30.0	1.5				
			iS	23 44 07.0	2.2			sP	23 40 40.5	-1.1				
			SME		$m_B = 6.2$	5.0	3.80	S	23 45 54.0	1.0				
GYA	32.4	322	isS	23 44 54.0	7.1			SMN		$m_B = 6.1$	6.0	1.60		
			LN			14.0	0.90	SME			6.0	1.50		
			P	23 39 09.6	0.7			LN			11.0	1.40		
			pP	23 39 35.0	2.2			LE			10.0	0.80		
			sP	23 39 48.8	2.7			BJI	39.9	345	-iP	23 40 12.0	-0.4	
			PcP	23 41 54.0	0.6			S	23 46 08.0	-0.5				
			S	23 44 17.0	3.8			eSS	23 49 03.0	-0.8				
			SME		$m_B = 6.0$	6.0	3.20	ScS	23 50 10.0	4.7				
KMI	34.1	316	LN			12.0	1.00	SMN		$m_B = 6.1$	4.0	0.70		
			LE			12.0	0.60	SME			5.0	1.70		
			+iP	23 39 24.0	0.6			LN			10.0	0.30		
			pP	23 39 49.0	1.6			LE			11.0	0.40		
			sP	23 40 03.0	2.4			SNY	40.4	355	-iP	23 40 16.0	-0.2	
			PcP	23 41 56.5	-1.6			PMZ			3.0	0.86		
			iS	23 44 43.0	2.5			pP	23 40 45.6	4.6				
			SME		$m_B = 6.0$	6.0	2.50	PP	23 41 49.0	-4.9				
TIA	36.1	345	sS	23 45 27.0	4.7			S	23 46 16.0	0.6				
			SS	23 47 00.0	5.9			SMN		$m_B = 6.0$	6.0	1.58		
			-P	23 39 40.0	-0.3			SME			6.0	0.60		
			esP	23 40 18.5	0.5			sS	23 46 56.0	-3.5				
			S	23 45 09.0	-1.2			LN			7.5	0.86		
			SMN		$m_B = 5.9$	5.0	0.70	LE			7.0	0.75		
			SME			7.0	1.50	LZH	41.2	329	+iP	23 40 25.0	1.8	
			sS	23 45 51.0	-2.7			PMZ			1.5	0.60		
XAN	37.1	333	SS	23 47 46.5	6.8			pP	23 40 48.0	0.2				
			+iP	23 39 49.4	0.3			sP	23 41 02.5	1.7				
			PMZ			1.0	0.40	PP	23 42 07.0	5.0				
			pP	23 40 16.0	2.4			iS	23 46 30.0	1.2				
			sP	23 40 28.0	1.3			SME			3.0	2.59		
			PP	23 41 20.0	3.0			sS	23 47 17.0	5.3				
			S	23 45 22.0	-3.9			SS	23 49 36.0	4.9				
			SME		$m_B = 6.2$	7.0	4.00	iScS	23 50 16.0	3.1				
CD2	37.4	324	ScP	23 45 47.0	4.4			HHC	42.0	341	+iP	23 40 30.0	0.3	
			sS	23 46 09.0	-0.7			pP	23 40 56.0	1.6				
			+iP	23 39 51.6	0.4			sP	23 41 10.0	2.6				
			S	23 45 30.0	0.3			PP	23 42 10.0	-0.8				
			SME		$m_B = 6.1$	7.0	2.90	S	23 46 40.0	0.7				
			iP	23 39 54.0	-0.3			SME		$m_B = 6.0$	5.0	1.40		
			epP	23 40 20.0	1.1			sS	23 47 23.0	-0.6				
			S	23 45 35.0	-0.6			LN			18.0	3.52		
DL2	37.7	352	SMN		$m_B = 5.9$	5.0	0.80	CN2	42.2	357	-P	23 40 29.0	-2.2	
			SME			5.0	1.10	PMZ			3.0	0.40		

		pP	23 41 00.0	3.9		
		ePP	23 42 11.0	-1.9		
		PcP	23 42 22.0	-1.4		
		ScP	23 46 02.0	-0.4		
		eS	23 46 38.0	-5.3		
		SMN	$m_B = 5.9$	5.0	1.00	
		sS	23 47 32.0	5.4		
		eSS	23 49 46.0	-3.4		
BTO	42.3	339	P	23 40 31.5	-0.6	
		pP	23 40 57.0	0.1		
		PP	23 42 13.0	-0.9		
		S	23 46 44.0	0.3		
		sS	23 47 27.0	-1.0		
		SS	23 49 48.0	-3.1		
		ScS	23 50 19.0	-0.5		
		LN		11.0	0.80	
		LE		11.0	0.40	
MDJ	43.0	1	-iP	23 40 37.8	0.4	
		pP	23 41 06.5	4.2		
		S	23 46 46.0	-7.3		
		SMN		13.0	2.10	
		LN		14.0	1.50	
LSA	45.1	312	P	23 40 55.0	0.2	
		iS	23 47 26.0	0.4		
		sS	23 48 08.0	-0.6		
GTA	45.8	329	P	23 41 00.0	-0.3	
		pP	23 41 28.3	3.1		
		PcP	23 42 36.5	0.8		
		ScP	23 46 19.5	2.6		
		iS	23 47 36.0	0.5		
		ScS	23 50 44.3	2.9		
WMQ	55.4	325	-iP	23 42 12.0	-1.2	
		PMZ		1.7	0.22	
		pP	23 42 39.0	0.0		
		S	23 49 48.0	1.2		
		sS	23 50 33.0	-0.1		
		iScS	23 51 48.0	1.0		
		LN		24.0	0.32	
KSH	60.7	315	+iP	23 42 50.0	0.1	
		pP	23 43 16.0	0.0		
		sF	23 43 34.0	5.5		
		iS	23 51 01.0	4.3		
		SME	$m_B = 6.1$	7.0	2.20	

1985 9 3
 O = 23 58 13.6 ± 0.13s
 LAT = 21.88 N ± 1.48km
 LONG = 111.82 E ± 0.98km
 DEPTH = 9 km ± 0.07km
 STATIONS USED = 21, STAND DEV = 2.19s

		$M_s = 4.6 / 2,$	$M_L = 4.5 / 6,$			
GZH	1.9	49	Pn	23 58 47.0	1.1	
			iPg	23 58 51.0	4.6	
QZN	3.4	213	Pn	23 59 05.0	-2.0	
			iPg	23 59 15.0	1.7	
			Sn	23 59 40.8	-8.4	
			Sg	23 59 57.3	-2.3	
			SMN	$M_L = 4.3$	0.7	0.90
			SME		0.8	1.10
GYA	6.6	315	Pn	23 59 53.0	2.4	
			Pg	24 00 17.0	7.8	
			Sg	24 01 43.6	4.8	
			SMN	$M_L = 4.8$	1.2	0.45
			SME		1.2	0.68
			LN	$M_s = 4.5$	4.0	1.50
			LE		4.0	1.00
QZH	6.9	63	ePn	23 59 57.9	2.2	
CD2	11.5	323	P	24 01 02.0	0.2	
XAN	12.4	349	eP	24 01 11.6	-1.7	

1985 9 4
 O = 07 51 38.5 ± 0.56s
 LAT = 39.58 N ± 1.72km
 LONG = 75.30 E ± 4.83km
 DEPTH = 20 km
 STATIONS USED = 5, STAND DEV = 4.08s

		$M_L = 4.3 / 5,$				
KSH	0.5	103	iPg	07 51 48.5	-0.3	
			Sg	07 51 56.0	-0.4	
			SMN	$M_L = 4.3$	0.5	16.5

1985 9 4
 O = 08 23 54.7 ± 0.11s
 LAT = 5.54 N ± 1.59km
 LONG = 126.36 E ± 2.92km
 DEPTH = 104 km ± 0.47km
 STATIONS USED = 46, STAND DEV = 1.67s

QZN	20.9	311	P	08 28 32.9	1.7	
SSE	25.9	350	eP	08 29 19.0	0.2	
			eS	08 33 40.0	0.9	
NJ2	27.3	346	+P	08 29 36.0	4.2	
GYA	28.0	320	P	08 29 38.6	-0.1	
TIA	31.7	346	eP	08 30 09.2	-1.6	
XAN	32.6	333	+P	08 30 17.4	-1.8	
CD2	33.0	323	eP	08 30 21.0	-1.2	
DL2	33.5	353	P	08 30 27.0	0.6	
TIY	34.4	340	eP	08 30 34.5	-0.3	
BJI	35.5	346	eP	08 30 43.5	-0.5	
SNY	36.2	356	-P	08 30 50.0	0.3	
LZH	36.8	329	-iP	08 30 55.0	0.5	

1985 9 4						1985 9 4								
HHC	37.6	341	-P	08 31 01.4	0.2	1.5	0.070	O=19 22 04.3		± 0.05s				
1985 9 4 O=08 32 25.1 ± 0.12s LAT=36.22 N ± 2.13km LONG=70.76 E ± 2.22km DEPTH=58 km ± 0.60km STATIONS USED = 56, STAND DEV = 2.44s M _L =5.1 / 2,						1985 9 4 O=19 22 04.3 ± 0.05s LAT=42.14 N ± 1.73km LONG=143.28 E ± 1.03km DEPTH=58 km ± 0.86km STATIONS USED = 41, STAND DEV = 1.28s								
KSH	5.2	50	+iP	08 33 49.0	5.8			MDJ	10.3	289	eP	19 24 35.2	3.6	
			S	08 34 51.0	9.6			CN2	13.2	283	eP	19 25 10.0	-0.6	
			LN			0.5	9.50	SNY	14.7	275	-iP	19 25 30.5	0.5	
WMQ	15.0	54	P	08 35 54.5	-1.1			BJI	20.5	273	eP	19 26 37.0	-3.3	
			S	08 38 34.0	-5.3			TIA	21.1	262	eP	19 26 43.8	-2.4	
			LN			1.5	0.20	XAN	28.1	265	eP	19 27 52.7	-0.3	
			LE			1.5	0.12	GTA	32.8	280	P	19 28 35.2	0.7	
LSA	18.3	105	eP	08 36 37.0	0.0			CD2	33.4	263	P	19 28 39.5	-0.4	
GTA	23.1	73	eP	08 37 28.6	1.2			GYA	33.8	254	eP	19 28 43.6	0.6	
LZH	26.6	80	eP	08 38 02.0	1.2			WMQ	40.0	292	eP	19 29 36.0	0.0	
CD2	27.9	91	eP	08 38 12.3	0.0			1985 9 5 O=03 53 11.8 ± 0.13s LAT=7.31 S ± 1.94km LONG=128.51 E ± 3.68km DEPTH=143 km ± 0.34km STATIONS USED = 66, STAND DEV = 2.24s						
BTO	30.9	70	eP	08 38 38.0	-0.9			QZN	32.0	325	eP	03 59 26.5	-0.5	
XAN	31.2	83	P	08 38 40.1	-1.0			GZH	33.7	334	iP	03 59 42.0	0.7	
GYA	32.0	97	P	08 38 47.8	-0.9			GYA	39.7	329	+P	04 00 33.4	1.2	
HHC	32.0	69	-P	08 38 48.0	-1.0									1.0 0.050
TIY	33.1	75	eP	08 38 58.1	-0.3									
BJI	35.6	70	eP	08 39 19.0	-0.7									
TIA	37.1	76	eP	08 39 32.0	-0.3									
NJ2	39.7	82	+P	08 39 56.5	2.7									
DL2	40.0	70	eP	08 39 55.6	-0.5									
SNY	40.9	65	-P	08 40 02.1	-1.4									
SSE	41.9	82	eP	08 40 14.5	2.6									
CN2	41.9	62	eP	08 40 10.0	-2.0									
1985 9 4 O=17 13 03.2 ± 0.03s LAT=38.06 N ± 0.25km LONG=102.06 E ± 0.28km DEPTH=18 km ± 0.16km STATIONS USED = 5, STAND DEV = 2.19s M _L =3.5 / 2,						WHN 40.0 341 -iP 04 00 36.0 1.4 PMZ 1.0 0.060 NJ2 40.2 347 +P 04 00 37.0 0.8 ScP 04 06 12.6 0.9 KMI 40.9 323 +iP 04 00 43.5 1.8 TIA 44.6 347 eP 04 01 11.2 -0.7 CD2 44.8 329 P 04 01 13.9 0.4 XAN 45.1 337 +P 04 01 14.8 -1.3 PMZ 1.0 0.20 sP 04 02 06.8 2.6 ScP 04 06 31.6 0.2 eS 04 07 39.2 -5.0 TIY 47.2 343 -iP 04 01 32.5 -0.3 PMZ 0.8 0.10 BJI 48.5 347 eP 04 01 41.5 -0.8 eScP 04 06 46.0 0.6 LZH 49.0 333 +iP 04 01 47.0 0.5 PMZ 1.0 0.20 eS 04 08 33.0 -6.2 HHC 50.4 343 P 04 01 56.6 -0.5								
LZH	2.4	144	Pn	17 13 42.5	-0.3									
			Pg	17 13 43.5	-2.8									
			Sn	17 14 10.0	-3.7									
			Sg	17 14 12.0	-7.6									
			SMN											
			SME			0.8	0.50							
XAN	6.9	124	ePg	17 15 05.0	0.6									
			Sg	17 16 32.4	-5.6									

LSA	51.4	318	P	04 02 04.7	-0.5		
MDJ	51.7	1	eP	04 02 09.0	2.2		
GTA	53.5	332	iP	04 02 21.0	0.3		
			ScP	04 07 08.0	0.9		
			S	04 09 38.8	-1.2		
WMQ	62.9	328	-iP	04 03 25.0	-0.5		
			PMZ			1.5	0.20
			S	04 11 41.1	0.2		
			SMN			3.0	0.030
			ScS	04 12 59.2	-0.1		

1985 9 5

O=06 00 55.7 ± 0.16s

LAT=28.18 N ± 1.06km

LONG=99.79 E ± 1.71km

DEPTH=4 km ± 0.31km

STATIONS USED = 10, STAND DEV = 3.44s

 $M_L = 3.6 / 4,$

KMI	4.0	138	ePn	06 02 03.0	4.3		
			Sn	06 02 57.0	8.9		
GYA	6.4	104	Pn	06 02 30.6	0.1		

1985 9 5

O=08 37 44.7 ± 0.15s

LAT=56.93 S ± 4.42km

LONG=24.80 W ± 5.76km

DEPTH=31 km ± 0.51km

STATIONS USED = 41, STAND DEV = 3.18s

 $M_s = 5.8 / 1,$

GYA	134.1	111	ePKP	08 57 03.0	2.3		
GTA	140.4	92	PKP	08 57 09.2	-2.9		
XAN	141.3	106	ePKP	08 57 09.5	-4.2		
NJ2	144.8	119	-PKP	08 57 18.8	-0.8		
			sPKP	08 57 33.3			
SSE	145.1	123	PKP	08 57 14.5	-5.6		
			pPKP	08 57 34.1	5.2		
			PP	09 00 44.0	2.8		
			LE			$M_s = 5.8$	20.0 1.20
TIY	146.0	106	PKP	08 57 21.5	-0.2		
BTO	146.8	100	ePKP	08 57 23.0	-0.1		
TIA	147.2	113	ePKP	08 57 24.8	1.0		
HHC	147.8	101	PKP	08 57 27.2	2.4		
BJI	149.6	107	ePKP	08 57 30.5	2.9		
CN2	157.1	112	ePKP	08 57 37.7	-0.6		

1985 9 5

O=09 45 36.4 ± 0.15s

LAT=3.52 N ± 2.01km

LONG=95.84 E ± 1.54km

DEPTH=63 km ± 0.54km

STATIONS USED = 56, STAND DEV = 1.44s

 $M_s = 4.8 / 1,$

QZN	20.6	41	eP	09 50 13.2	0.2		
KMI	22.5	17	eP	09 50 33.0	1.1		
GYA	25.1	23	-P	09 50 57.6	0.8		
LSA	26.4	351	eP	09 51 09.0	-0.8		
CD2	28.2	14	P	09 51 25.4	-0.7		
XAN	32.7	20	+P	09 52 03.9	-1.7		
LZH	33.2	12	+P	09 52 09.0	-1.2		
NJ2	35.7	35	+P	09 52 32.0	1.1		
GTA	35.9	5	P	09 52 32.2	-0.8		
TIY	37.3	22	eP	09 52 44.5	0.1		
TIA	38.0	28	eP	09 52 50.1	-0.3		
BTO	39.1	17	eP	09 53 00.0	0.6		
HHC	39.8	19	P	09 53 06.0	0.7		
BJI	40.7	24	eP	09 53 14.5	1.3		
WMQ	40.8	351	P	09 53 13.3	-0.2		
DL2	42.3	30	eP	09 53 22.5	-3.6		
SNY	45.5	29	-iP	09 53 51.8	0.0		
			LE			$M_s = 4.8$	17.0 0.58
CN2	47.9	29	+P	09 54 10.2	-0.5		
MDJ	50.5	31	eP	09 54 32.0	0.9		

1985 9 5

O=10 35 47.0 ± 0.08s

LAT=27.11 N ± 0.56km

LONG=101.17 E ± 0.70km

DEPTH=15 km ± 0.26km

STATIONS USED = 9, STAND DEV = 2.11s

 $M_L = 3.0 / 3,$

CD2	4.4	30	ePn	10 36 53.6	-0.4		
GYA	5.0	96	ePn	10 37 03.2	1.7		
XAN	9.6	42	eP	10 38 10.4	2.3		

1985 9 5

O=15 18 55.8 ± 1.29s

LAT=23.84 N ± 8.76km

LONG=122.65 E ± 7.95km

DEPTH=13 km ± 0.32km

STATIONS USED = 8, STAND DEV = 4.46s

 $M_L = 4.0 / 5,$

QZH	3.9	287	ePn	15 19 55.3	0.1		
			SMN			$M_L = 3.9$	0.9 0.30
			SME				0.9 0.27
SSE	7.3	350	ePn	15 20 45.7	2.5		
			LG ₂	15 22 54.0	-4.2		

1985 9 5

O=15 33 32.8 ± 0.08s

LAT=33.59 N ± 1.15km

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LONG = 137.80 E ± 1.40km							MDJ 18.4 337 +P 16 34 41.0 1.7		
DEPTH = 312 km ± 0.74km							PMZ m _B = 6.0 5.0 1.90		
STATIONS USED = 82, STAND DEV = 1.23s							sP 16 36 46.0 3.1		
m _B = 4.6 / 1							S 16 37 42.5 3.1		
MDJ	12.7	332	eP	15 36 26.0	0.9		SMN	m _B = 4.6	12.0 1.87
			S	15 38 44.0	2.8		DL2	18.4 311 eP	16 34 39.4 -0.3
SNY	13.9	310	-iP	15 36 39.9	0.3			eS	16 37 39.0 -1.7
CN2	14.0	320	-iP	15 36 40.3	-0.4		SNY	18.9 321 +iP	16 34 45.0 0.2
			sP	15 37 49.0	-4.8			PMZ	m _B = 5.7 6.0 1.12
			eS	15 39 12.0	1.9			sP	16 36 54.0 3.6
			ScP	15 44 39.0	-0.7			S	16 37 49.0 -0.1
DL2	14.1	297	eP	15 36 41.0	-0.4			SMN	m _B = 5.1 5.0 1.54
SSE	14.3	265	eP	15 36 42.8	-0.7			SME	7.0 1.97
			PMZ			1.0 0.10	CN2	19.4 328 +P	16 34 48.7 -0.4
			sP	15 37 58.0	0.9			PMZ	m _B = 5.4 6.0 0.60
NJ2	16.0	270	P	15 37 02.0	-0.9			sP	16 37 01.0 4.8
TIA	17.2	285	-P	15 37 14.9	-0.2			eS	16 38 00.0 2.5
BJI	18.5	297	eP	15 37 27.0	-1.2			PcP	16 38 46.0 -1.6
			eS	15 40 37.0	-1.4			ScP	16 41 33.4 -2.1
WHN	20.1	268	P	15 37 45.6	1.1		TIA	20.6 299 P	16 35 06.0 5.5
			PMZ			0.6 0.60		csP	16 37 14.0 2.5
TIY	21.0	289	eP	15 37 53.4	-0.1			S	16 38 26.0 8.8
			PMZ			0.8 0.10		SMN	m _B = 5.0 5.0 0.50
BTO	23.2	296	-iP	15 38 14.8	0.5			SME	8.0 2.10
GZH	23.9	250	P	15 38 21.0	0.4		BJI	22.7 308 eP	16 35 18.0 -1.6
XAN	24.0	279	-iP	15 38 21.0	-0.5			csP	16 37 37.0 0.8
GYA	27.8	264	-P	15 38 55.8	-0.6			eS	16 38 45.0 -6.9
			PMZ			1.0 0.13		SME	m _B = 4.5 7.0 0.50
			S	15 43 14.8	0.0		TIY	24.6 300 P	16 35 38.0 0.7
LZH	27.9	285	-P	15 38 56.0	-1.3		HHC	26.2 307 eP	16 35 52.0 0.4
QZN	28.8	247	eP	15 39 06.2	0.9		XAN	26.8 291 -P	16 35 55.4 -1.3
CD2	28.8	274	iP	15 39 05.0	-0.4			sP	16 38 20.2 2.7
GTA	30.9	292	iP	15 39 23.4	-0.3			S	16 39 55.4 -1.8
WMQ	39.9	300	iP	15 40 39.5	0.6		BTO	27.2 305 eP	16 36 00.4 -0.2
KSH	49.2	296	eP	15 41 53.0	0.6			eS	16 40 03.0 -2.1
							QZN	28.5 258 eP	16 36 11.8 -0.1
							GYA	29.2 275 -P	16 36 17.4 0.0
							LZH	31.1 294 -P	16 36 33.0 -1.3
							CD2	31.2 284 eP	16 36 34.2 -0.2
							KMI	32.9 274 eP	16 36 48.5 -0.9
							GTA	34.6 300 iP	16 37 03.6 -0.3
								ScP	16 42 21.2 0.2
								S	16 41 54.2 -4.0
							WMQ	44.1 305 -iP	16 38 21.0 0.6
								PMZ	1.5 0.10
								pP	16 39 53.3 0.2
								S	16 44 13.7 -2.1
								SME	3.0 0.30
								ScS	16 47 20.0 -1.1

1985 9 5

O = 16 30 55.4 ± 0.10s
 LAT = 28.01 N ± 1.69km
 LONG = 139.48 E ± 1.83km
 DEPTH = 501 km ± 0.51km
 STATIONS USED = 80, STAND DEV = 1.38s

m_B = 5.1 / 13

SSE	16.2	285	eP	16 34 19.2	1.0				
			iS	16 37 04.0	1.8				
			SMN	m _B = 4.9	8.0	1.50			
			SME		8.0	2.40			
NJ2	18.3	288	-P	16 34 39.3	0.6				
			S	16 37 39.0	0.6				
			SME	m _B = 5.1	8.0	3.50			

1985 9 5
 O=16 43 38.1 ± 0.07s
 LAT=51.46 N ± 1.99km
 LONG=178.48 W ± 0.83km
 DEPTH= 30 km ± 0.69km
 STATIONS USED = 23, STAND DEV = 0.97s

SNY	40.0	280	+P	16 51 12.8	0.9
BTO	48.9	287	eP	16 52 25.3	1.1
NJ2	49.0	272	-P	16 52 24.5	0.0
XAN	53.8	281	eP	16 53 00.2	-0.9
LZH	55.6	286	P	16 53 14.0	0.3
GTA	55.7	292	eP	16 53 14.7	-0.2
GYA	60.5	276	eP	16 53 48.0	-0.5

1985 9 5
 O=18 30 19.5 ± 0.13s
 LAT=25.36 N ± 1.75km
 LONG= 97.71 E ± 1.14km
 DEPTH= 10 km ± 0.17km
 STATIONS USED = 85, STAND DEV = 2.02s
 Ms=5.8/28, m_B=5.6/11

KMI	4.6	92	ePn	18 31 32.5	3.3
			Pg	18 31 47.0	6.9
			Sn	18 32 28.0	3.8
			Sg	18 32 52.0	9.5
LSA	7.2	308	Pn	18 32 09.0	2.6
CD2	7.7	43	iP	18 32 17.2	2.7
GYA	8.1	80	P	18 32 21.8	0.9
			S	18 33 49.0	-4.5
			LN	Ms=6.0	6.0 52.1
			LE		6.0 19.4

LZH	11.9	25	eP	18 33 14.0	1.0
			PMZ		2.5 0.30
			eS	18 35 26.0	-1.2
			LG ₂	18 36 50.0	-2.7
			LN	Ms=6.1	9.0 18.3
			LE		9.0 49.5
GTA	14.1	7	eP	18 33 41.6	-0.7
WHN	15.6	67	eP	18 33 59.0	-2.2
			PP	18 34 12.0	-1.2
			eS	18 36 51.0	-3.5
			LN	Ms=5.7	10.0 14.9
TIY	17.6	42	eP	18 34 24.5	-1.8
BTO	18.3	31	eP	18 34 35.0	-1.1
			PP	18 34 51.0	0.3
			PPP	18 35 00.0	
			S	18 37 57.0	-0.3
			LN	Ms=5.9	10.0 13.0
			LE		10.0 17.2
			LZ	Ms=5.9	10.0 18.2

HHC	19.3	33	eP	18 34 47.7	0.2
			S	18 38 16.0	-2.4
			SMN	m _B =5.6	5.0 1.26
			SME		5.0 1.22
			SS	18 38 39.0	-5.3
			LN	Ms=6.0	11.0 21.8
			LE		11.0 12.0
NJ2	19.7	65	+P	18 34 51.5	-0.5
			sP	18 35 03.5	3.3
			S	18 38 30.0	2.2
			sS	18 38 43.0	7.4
			LN	Ms=5.8	11.0 14.8
TIA	19.8	52	eP	18 34 53.4	-0.3
			PMZ	m _B =5.6	5.0 1.40
			esP	18 35 05.0	3.1
			eS	18 38 34.0	2.2
			SMN	m _B =5.6	10.0 0.50
			SME		10.0 3.30
WMQ	20.1	339	P	18 34 56.5	-0.6
			PMZ		1.5 0.30
			S	18 38 40.0	2.5
			SMN	m _B =5.7	9.0 3.78
			LN	Ms=5.6	10.0 9.10
BJI	21.3	42	eP	18 35 09.5	0.7
			eS	18 39 07.0	6.4
			SMN	m _B =5.8	11.0 4.30
			SME		11.0 2.00
			LN	Ms=5.9	9.0 9.20
			LE		9.0 8.90
SSE	21.4	69	-P	18 35 10.5	0.1
			S	18 39 06.0	3.1
			SMN	m _B =5.6	6.0 1.70
			sS	18 39 16.0	4.0
			LN	Ms=5.8	6.0 4.50
			LE		6.0 6.57
KSH	23.0	313	+iP	18 35 28.5	2.1
			iS	18 39 42.0	9.1
			LN	Ms=5.9	9.0 12.2
DL2	24.3	50	eP	18 35 39.0	0.9
			S	18 39 58.0	4.7
			sS	18 40 05.0	2.3
			SMN	m _B =5.9	10.0 2.25
			SME		10.0 3.10
			LN	Ms=5.6	12.0 3.30
			LE		12.0 6.20
SNY	26.9	46	eP	18 36 02.6	-0.8
			S	18 40 32.0	-6.1
			sS	18 40 56.0	8.2
			LN	Ms=5.6	16.0 5.24
			LE		16.0 6.24

September, 1985

CN2	29.1	44	+P	18 36 22.3	-0.8		
			pP	18 36 27.4	-1.1		
			PP	18 37 13.0	-3.6		
			eS	18 41 16.0	2.1		
			LN			Ms=5.6	12.0 6.00
MDJ	32.1	45	eP	18 36 49.5	-0.3		
			S	18 41 58.0	-2.5		
			LN			Ms=5.6	11.0 4.40

1985 9 5

O=20 01 23.5 ± 0.14s
 LAT=30.80 N ± 1.36km
 LONG=115.89 E ± 1.36km
 DEPTH= 12 km ± 0.37km
 STATIONS USED = 17, STAND DEV = 3.54s
 M_L=3.7 / 13,

WHN	1.3	260	+iPg	20 01 48.1	0.7		
			PMZ			0.4	0.30
			Sg	20 02 06.3	0.4		
NJ2	2.8	63	+Pg	20 02 11.0	-2.4		
			Sg	20 02 45.5	-6.6		
			SMN			M _L =3.8	0.4 0.40
SSE	4.6	85	ePn	20 02 40.5	7.9		
			Pg	20 02 46.5	2.5		
			Sg	20 03 41.2	-5.2		
			SMN			M _L =3.6	0.3 0.10
TIA	5.5	10	ePn	20 02 42.8	-2.7		
			Pg	20 03 08.0	7.5		
			eSn	20 03 42.5	-8.3		
			SMN			M _L =3.9	1.0 0.10
			SME				1.2 0.10
XAN	6.7	301	ePn	20 03 02.3	-0.1		
			Pg	20 03 25.2	3.1		
			Sn	20 04 18.6	-2.4		
			Sg	20 04 50.0	-3.9		
TIY	7.5	338	ePg	20 03 38.9	3.4		

1985 9 5

O=22 50 11.9 ± 0.16s
 LAT=28.14 N ± 2.10km
 LONG=140.83 E ± 2.81km
 DEPTH= 34 km ± 0.53km
 STATIONS USED = 20, STAND DEV = 2.09s
 Ms=4.2 / 2,

NJ2	19.4	287	+P	22 54 39.0	1.0		
			eS	22 58 16.0	6.4		
			LN			Ms=4.1	10.0 0.27
SNY	19.6	319	eP	22 54 40.2	0.0		
			LE			Ms=4.4	11.0 0.60
TIA	21.6	298	eP	22 55 01.0	0.1		

WHN	23.2	282	eP	22 55 22.0	5.3		
BJI	23.5	307	eP	22 55 18.5	-1.6		
TIY	25.6	299	eP	22 55 40.1	0.1		
XAN	27.9	290	+P	22 56 01.3	0.3		
GTA	35.6	299	P	22 57 08.5	-0.5		
WMQ	45.0	305	P	22 58 25.5	-0.8		

1985 9 6

O=00 22 29.4 ± 0.10s
 LAT=37.52 N ± 3.21km
 LONG=142.63 E ± 1.86km
 DEPTH= 28 km ± 0.86km
 STATIONS USED = 47, STAND DEV = 2.08s
 Ms=4.5 / 8,

MDJ	12.1	310	eP	00 25 25.5	2.1		
			eS	00 27 42.0	3.4		
			LN			Ms=4.4	12.0 1.60
CN2	14.5	301	eP	00 25 55.9	1.5		
			eS	00 28 36.0	1.2		
			LN			Ms=4.5	11.0 1.40
SNY	15.3	292	eP	00 26 03.8	-1.3		
DL2	16.6	281	eP	00 26 24.0	2.5		
			LN			Ms=4.3	10.0 0.60
NJ2	20.3	261	eP	00 27 06.6	1.1		
TIA	20.4	274	eP	00 27 04.8	-2.6		
BJI	20.8	285	eP	00 27 07.0	-3.7		
TIY	23.9	280	eP	00 27 41.7	-0.1		
			LE			Ms=4.5	12.0 0.60
HHC	24.2	288	eP	00 27 45.7	0.2		
BTO	25.4	287	eP	00 27 57.4	0.6		
			eS	00 32 20.0	0.2		
			LN			Ms=4.6	14.0 0.60
			LE				14.0 0.60
XAN	27.5	273	eP	00 28 15.0	-0.7		
GYA	32.3	261	P	00 28 57.6	-0.7		
CD2	32.6	270	eP	00 29 02.6	1.0		
WMQ	41.5	297	P	00 30 16.7	0.5		
LSA	43.1	275	eP	00 30 31.5	1.4		

1985 9 6

O=03 56 56.9 ± 0.05s
 LAT=28.00 N ± 1.28km
 LONG=140.80 E ± 1.08km
 DEPTH= 38 km ± 0.28km
 STATIONS USED = 16, STAND DEV = 1.30s

NJ2	19.4	287	P	04 01 24.0	1.1		
TIA	21.6	298	P	04 01 46.0	0.0		
WHN	23.2	283	eP	04 02 03.0	1.5		
BJI	23.6	307	eP	04 02 03.0	-2.4		
TIY	25.6	299	eP	04 02 25.5	0.4		

HHC	27.2	306	eP	04 02 38.0	-1.4
XAN	27.9	290	eP	04 02 44.0	-1.9
CD2	32.3	284	eP	04 03 25.4	0.6

1985 9 6

O = 09 38 47.6 ± 0.15s

LAT = 9.32 S ± 1.91km

LONG = 111.27 E ± 2.31km

DEPTH = 86 km ± 0.43km

STATIONS USED = 24, STAND DEV = 1.81s

CD2	40.6	350	P	09 46 22.4	1.1
SSE	41.3	13	P	09 46 28.7	2.1
XAN	43.2	357	eP	09 46 41.4	-0.7
TIA	45.6	7	P	09 47 01.3	-0.4
LZH	45.7	352	eP	09 47 04.0	1.5
TIY	46.8	1	eP	09 47 09.8	-1.2
DL2	48.9	11	eP	09 47 22.5	-5.1
BJI	49.3	5	eP	09 47 30.0	-0.5
GTA	49.6	348	P	09 47 34.2	1.1
BTO	49.7	359	eP	09 47 33.0	-0.4
CN2	54.4	13	P	09 48 07.5	-1.3
			pP	09 48 27.6	-1.9
			PcP	09 49 12.7	2.1
WMQ	57.1	340	P	09 48 27.2	-0.7

1985 9 6

O = 12 03 47.2 ± 0.13s

LAT = 23.48 N ± 1.03km

LONG = 121.49 E ± 1.40km

DEPTH = 33 km ± 0.36km

STATIONS USED = 13, STAND DEV = 2.06s

 $M_L = 3.5 / 6,$

QZH	3.0	299	Pn	12 04 34.1	1.0
			Sn	12 05 08.5	-1.1
			SMN	$M_L = 3.4$	0.3 0.20
			SME		0.3 0.10

1985 9 6

O = 18 19 24.7 ± 0.11s

LAT = 17.05 N ± 1.38km

LONG = 119.96 E ± 1.38km

DEPTH = 5 km ± 0.15km

STATIONS USED = 7, STAND DEV = 3.81s

QZN	9.8	283	eP	18 21 48.6	-1.3
BJI	23.1	353	eP	18 24 37.0	3.8

1985 9 7

O = 00 19 27.8 ± 0.04s

LAT = 37.59 N ± 0.37km

LONG = 102.77 E ± 0.32km

DEPTH = 10 km ± 0.09km

STATIONS USED = 9, STAND DEV = 3.84s

 $M_L = 3.5 / 6,$

LZH	1.7	150	Pg	00 19 58.5	-0.2
			Sg	00 20 18.5	-3.7
			SMN	$M_L = 3.6$	0.8 0.80
			SME		0.5 0.40
GTA	2.9	309	Pg	00 20 20.8	0.8
			Sg	00 20 57.8	-2.2
			SMN	$M_L = 3.1$	0.5 0.090
			SME		0.6 0.060
XAN	6.1	124	ePg	00 21 24.2	8.0
			eSg	00 22 41.2	1.4

1985 9 7

O = 00 22 00.5 ± 0.15s

LAT = 3.11 S ± 2.33km

LONG = 130.49 E ± 3.14km

DEPTH = 27 km ± 0.27km

STATIONS USED = 92, STAND DEV = 1.62s

 $M_s = 5.5 / 32,$ $m_B = 5.8 / 21$

QZN	29.9	318	eP	00 28 08.6	-0.4
			sP	00 28 22.5	1.7
			PP	00 29 12.0	5.7
			S	00 33 06.5	3.5
			SMN	$m_B = 5.9$	12.0 2.40
			SME		12.0 2.50
			SS	00 34 31.0	-8.9
			ScS	00 38 41.0	-2.6
			LN	$M_s = 5.8$	14.0 7.30
			LE		13.0 5.00
QZH	30.2	338	eP	00 28 12.0	0.9
			S	00 33 05.0	-1.8
			LN	$M_s = 5.4$	14.0 3.47
GZH	30.9	328	P	00 28 18.0	0.1
			S	00 33 25.0	6.2
			LN	$M_s = 5.5$	12.0 2.90
			LE		11.0 2.70
SSE	35.1	346	+P	00 28 54.0	-0.4
			PMZ	$m_B = 5.5$	12.0 1.10
			PcP	00 31 28.0	2.9
			eS	00 34 25.0	-0.1
			iSS	00 36 44.0	3.0
			LN	$M_s = 5.6$	20.0 6.00
			LE		20.0 3.75
NJ2	36.7	343	+P	00 29 07.2	-0.1
			S	00 34 43.0	-4.7
			LN	$M_s = 5.5$	12.0 0.80
			LE		13.0 2.80
WHN	36.8	336	P	00 29 09.8	1.1

			pP	00 29 19.0	2.1				SS	00 40 12.0	3.7		
			S	00 34 50.0	-0.3				LN	Ms=5.8	21.0	5.27	
			SME	m _B =5.7	10.0	1.40			LE		10.0	2.49	
			sS	00 35 07.0	2.1		LZH	46.3 330	eP	00 30 27.0	0.8		
			LN	Ms=5.2	10.0	1.20			eS	00 37 10.0	-0.9		
GYA	37.3	323	+P	00 29 13.6	0.5				SME	m _B =6.1	9.0	2.40	
			S	00 35 00.0	2.0				LN	Ms=5.5	28.0	2.40	
			SME	m _B =5.7	10.0	1.60			LE		30.0	4.10	
			LN	Ms=5.5	14.0	2.60	CN2	46.9 355	+iP	00 30 30.3	-0.8		
			LE		14.0	2.40			PMZ	m _B =5.7	8.0	0.90	
KMI	38.9	318	+iP	00 29 27.5	1.4				pP	00 30 36.2	-3.2		
			sP	00 29 39.5	1.7				PP	00 32 19.0	-1.6		
			PP	00 31 02.0	3.1				PPMZ		8.0	0.80	
			S	00 35 25.0	3.5				ScP	00 35 58.0	4.4		
			SMN	m _B =5.9	10.0	1.70			eS	00 37 15.0	-4.8		
			SME		10.0	1.50			sS	00 37 26.0	-7.6		
			SS	00 38 12.0	6.9				SS	00 40 30.0	-8.6		
			LN	Ms=5.5	16.0	3.54	HHC	47.0 340	eP	00 30 32.0	-0.2		
TIA	41.1	343	-P	00 29 43.8	-0.1				pP	00 30 36.5	-3.9		
			PMZ	m _B =5.2	10.0	0.40			S	00 37 22.2	1.7		
			eS	00 35 54.8	-0.1				SME	m _B =6.0	10.0	2.18	
			SMN	m _B =5.6	11.0	0.78			LN	Ms=5.3	13.0	0.80	
			SME		10.0	0.80			LE		12.0	1.20	
			LE	Ms=5.4	21.0	3.46	BTO	47.4 339	-iP	00 30 35.0	0.3		
XAN	42.2	333	P	00 29 52.0	-1.1				PMZ	m _B =5.6	8.0	0.70	
			PP	00 31 37.0	3.2				ePP	00 32 26.5	1.8		
			S	00 36 05.5	-4.9				S	00 37 25.0	0.0		
			SMN	m _B =6.0	12.0	2.40			SMN	m _B =5.7	11.0	0.90	
			SME		12.0	2.30			SME		11.0	0.80	
CD2	42.4	325	P	00 29 54.3	-0.3				LN	Ms=5.3	16.8	1.40	
			eS	00 36 11.4	-2.7				LE		14.0	0.90	
			LN	Ms=5.6	12.0	3.10			LZ	Ms=5.2	14.0	1.20	
DL2	42.6	350	eP	00 29 56.8	0.3		MDJ	47.5 359	+P	00 30 36.8	1.0		
			S	00 36 13.0	-3.6				sP	00 30 44.0	-3.7		
			LN	Ms=5.7	18.0	4.40			PcS	00 36 03.0	3.6		
			LE		15.0	2.80			S	00 37 28.0	0.7		
TIY	43.9	339	eP	00 30 07.0	-0.5				SMN	m _B =6.1	12.0	3.40	
			PMZ		1.0	0.20			LE	Ms=5.4	14.0	1.90	
			S	00 36 38.0	1.9		LSA	49.8 314	eP	00 30 52.0	-2.0		
			LN	Ms=5.4	12.0	1.60	GTA	50.9 329	P	00 31 01.8	0.1		
			LE		12.0	0.80			S	00 38 13.0	-0.9		
BJI	44.9	344	eP	00 30 14.0	-1.1		WMQ	60.4 326	-P	00 32 10.5	-0.4		
			eS	00 36 44.0	-7.0				S	00 40 24.8	3.1		
			SME	m _B =5.6	12.0	1.10			SMN	m _B =6.0	12.0	1.79	
			LN	Ms=5.2	11.0	0.90			SME		12.0	1.60	
SNY	45.2	353	eP	00 30 16.4	-0.8				ScS	00 42 00.0	5.0		
			PMZ	m _B =5.8	10.0	1.28			LN	Ms=5.7	28.0	5.30	
			S	00 36 56.5	2.7		KSH	65.5 316	P	00 32 46.0	1.7		
			SMN		18.0	2.70			S	00 41 30.0	5.1		
			SME		18.0	2.82			SMN	m _B =6.2	11.0	2.80	

1985 9 7				Ms = 5.7				Ms = 5.2				
O = 04 40 29.7 ± 0.10s				14.0 2.10				04 53 54.0 4.2				
LAT = 3.08 S ± 1.77km								LN Ms = 5.2 15.0 1.80				
LONG = 130.38 E ± 2.31km								TIA 41.0 344 +P 04 48 12.5 -0.5				
DEPTH = 24 km ± 0.22km								LE Ms = 5.3 23.0 2.90				
STATIONS USED = 104, STAND DEV = 1.76s								XAN 42.1 333 +P 04 48 21.0 -1.0				
Ms = 5.3 / 35, m _B = 5.8 / 25								eS 04 54 34.0 -6.1				
QZN	29.8	318	eP	04 46 38.0	0.3			SMN			14.0	1.00
			PP	04 47 30.0	-4.5			SME			13.0	1.30
			S	04 51 28.5	-2.7			LN	Ms = 5.3		14.0	1.00
			sS	04 51 37.0	-7.9			LE			13.0	1.30
			LN	Ms = 5.4		13.0	3.00	CD2	42.3 325	P	04 48 23.0	-0.4
			LE			12.0	2.40	S			04 54 38.0	-3.5
QZH	30.1	338	eP	04 46 39.0	-1.0			LN	Ms = 5.6		16.0	4.50
			S	04 51 38.0	2.5			DL2	42.5 350	eP	04 48 25.0	-0.6
			LN	Ms = 5.0		14.0	1.70	eS			04 54 46.0	-0.6
GZH	30.9	328	-P	04 46 46.8	0.1			LE	Ms = 5.6		17.0	3.80
			S	04 51 48.0	0.8			TIY	43.9 339	+P	04 48 36.0	-0.5
			SMN	m _B = 5.9		6.0	1.40	PMZ				1.2 0.10
			SME			7.0	1.20	S			04 55 04.5	-0.4
			LN	Ms = 5.5		11.0	2.90	SME	m _B = 5.7		8.0	0.88
			LE			10.0	1.40	sS			04 55 21.0	2.0
SSE	35.1	346	+P	04 47 23.0	-0.5			LN	Ms = 5.3		13.0	1.20
			PcP	04 49 55.0	0.5			LE			13.0	1.00
			sS	04 53 16.0	9.1			BJI	44.8 345	eP	04 48 43.0	-1.2
			SS	04 55 04.0	-5.3			PMZ	m _B = 5.4		8.0	0.50
			LN	Ms = 5.1		12.0	1.40	ePPP			04 51 18.0	
NJ2	36.6	343	+P	04 47 36.0	-0.3			eS			04 55 13.0	-7.0
			PMZ	m _B = 5.7		4.0	0.50	eSS			04 58 35.0	2.4
			iS	04 53 18.5	1.1			SMN	m _B = 5.6		9.0	0.56
			SME	m _B = 5.7		7.0	1.10	SME			12.0	0.90
			LN	Ms = 5.1		13.0	0.60	LN	Ms = 4.9		13.0	0.60
			LE			16.0	1.50	SNY	45.1 353	+iP	04 48 46.3	-0.1
WHN	36.8	337	P	04 47 38.5	0.8			PMZ	m _B = 5.6		8.0	0.71
			S	04 53 23.0	4.0			S			04 55 24.0	1.0
			SME	m _B = 5.8		8.0	1.50	SMN	m _B = 5.7		9.0	0.75
GYA	37.3	323	+P	04 47 42.0	0.1			SME			10.0	0.74
			PP	04 49 06.0	-2.8			SS			04 58 38.0	0.7
			PPP	04 49 35.0				LN	Ms = 5.5		22.0	3.05
			S	04 53 28.0	1.6			LE			20.0	1.56
			SMN	m _B = 5.8		8.0	1.10	LZH	46.2 330	+iP	04 48 55.5	0.4
			SME			8.0	1.10	pP			04 49 02.0	-0.8
			ScS	04 57 57.0	5.4			PP			04 50 43.0	0.2
			LN	Ms = 5.2		14.0	1.80	PPP			04 51 26.0	
KMI	38.8	318	+iP	04 47 56.5	1.6			S			04 55 40.0	1.9
			PMZ	m _B = 6.0		4.0	1.10	LN	Ms = 5.3		30.0	2.00
			pP	04 48 08.0	5.5			LE			30.0	2.76
			PP	04 49 30.0	2.7			CN2	46.9 355	+P	04 48 59.2	-1.1
								PMZ	m _B = 5.7		6.0	0.60
								sP			04 49 05.5	-6.1
								PP			04 50 47.5	-2.3

		eS	10 36 43.0	-0.7					O = 12 51 02.6	± 0.24s				
		LN		Ms = 5.4	20.0	2.29			LAT = 31.55 N	± 3.05km				
		LE			20.0	1.40			LONG = 131.84 E	± 2.90km				
LSA	57.4	76	-P	10 30 36.3	-2.1				DEPTH = 34 km	± 0.71km				
		S		10 38 29.0	-1.4				STATIONS USED = 26,	STAND DEV = 3.40s				
GTA	59.5	62	iP	10 30 51.8	-0.8				Ms = 3.7 / 1,					
LZH	63.8	63	-P	10 31 21.5	-0.4			SSE	9.1	270	eP	12 53 14.0	-1.0	
		pP		10 31 31.0	0.5						eLG ₂	12 56 00.0	-3.6	
BTO	65.9	57	eP	10 31 34.6	-0.6			NJ2	11.1	276	+P	12 53 43.1	1.4	
CD2	66.3	68	eP	10 31 37.8	-0.1						LE	Ms = 3.7	14.0	0.40
		eS		10 40 24.0	-0.7			SNY	12.2	329	eP	12 53 55.9	-1.3	
HHC	66.8	56	-P	10 31 40.2	-0.6			TIA	13.1	295	eP	12 54 17.0	8.1	
XAN	68.5	63	P	10 31 50.0	-1.3			CN2	13.2	339	eP	12 54 14.4	3.5	
		pP		10 32 00.0	0.1			BJI	15.3	308	eP	12 54 36.5	-0.9	
		S		10 40 52.0	3.1			TIY	17.1	296	eP	12 55 00.5	-0.4	
		ScS		10 41 46.0	1.7			HHC	18.8	305	P	12 55 20.0	-1.8	
KMI	68.6	74	-P	10 31 51.5	-0.8			XAN	19.4	283	P	12 55 26.4	-2.7	
		pP		10 31 59.5	-1.2			BTO	19.8	303	eP	12 55 31.0	-2.0	
		S		10 40 50.0	-0.4			GYA	22.6	263	P	12 56 00.8	-0.8	
TIY	69.0	58	P	10 31 54.0	-0.5			LZH	23.7	289	eP	12 56 10.0	-2.3	
		LN		Ms = 5.2	15.0	0.70		CD2	24.0	276	eP	12 56 14.4	-1.0	
BJI	70.2	54	eP	10 32 01.0	-1.0			GTA	27.1	296	P	12 56 41.9	-3.1	
		eS		10 41 09.0	-1.9									
		LN		Ms = 5.1	13.0	0.40			1985 9 7					
GYA	70.9	71	P	10 32 05.6	-0.4				O = 14 33 30.6	± 0.12s				
		pP		10 32 14.4	-0.1				LAT = 26.00 N	± 1.69km				
		S		10 41 17.6	0.7				LONG = 125.89 E	± 1.41km				
TIA	72.9	57	P	10 32 17.8	-0.6				DEPTH = 127 km	± 0.83km				
		eS		10 41 40.0	-2.5				STATIONS USED = 39,	STAND DEV = 2.01s				
		LN		Ms = 5.2	40.0	1.00			M _L = 3.7 / 1,					
		LE			40.0	1.10		SSE	6.5	322	P	14 35 05.0	-0.8	
CN2	73.8	47	-P	10 32 22.8	-0.4						sP	14 35 35.5	-0.9	
		pP		10 32 31.0	-0.8						eLG ₁	14 36 55.0	-1.2	
		eS		10 41 52.0	0.2						LN		1.0	0.010
		LE		Ms = 5.5	13.0	1.00		NJ2	8.6	316	eP	14 35 34.4	0.6	
SNY	73.8	50	-P	10 32 20.8	-2.8						S	14 37 07.4	-2.0	
		eS		10 41 48.0	-4.5			TIA	12.6	326	eP	14 36 28.1	1.0	
		LN		Ms = 5.4	16.0	0.50		SNY	15.9	354	+iP	14 37 08.8	0.2	
		LE			19.0	0.89		BJI	16.2	332	eP	14 37 12.5	0.4	
WHN	74.2	64	eP	10 32 25.5	-0.3			TIY	16.3	319	eP	14 37 15.5	1.6	
MDJ	75.6	44	eP	10 32 35.0	1.0			QZN	16.4	248	eP	14 37 17.6	3.2	
NJ2	76.5	60	-P	10 32 38.3	-0.6			XAN	16.7	303	P	14 37 20.0	1.1	
		LE		Ms = 5.0	14.0	0.30		CN2	17.8	359	eP	14 37 29.0	-2.3	
QZN	77.4	76	eP	10 32 43.5	-0.7						pP	14 37 50.8	9.8	
GZH	77.8	70	-P	10 32 46.5	0.6			HHC	19.0	325	P	14 37 46.0	0.8	
SSE	78.7	60	-P	10 32 50.1	-0.9			BTO	19.6	322	eP	14 37 55.5	3.5	
		pP		10 32 58.5	-1.1			CD2	20.1	289	eP	14 37 56.5	0.3	
		csS		10 42 59.2	-0.6			LZH	21.4	303	eP	14 38 10.0	0.6	
								GTA	25.6	308	P	14 38 49.0	-1.1	
											pP	14 39 11.9	-4.3	

1985 9 7

<p>1985 9 7 O=15 29 34.3 ± 0.37s LAT=27.87 N ± 2.66km LONG=140.90 E ± 5.04km DEPTH= 35 km ± 0.53km STATIONS USED = 26, STAND DEV = 2.40s Ms=4.0/ 1,</p>					
NJ2	19.5	288	+P	15 34 03.1	1.2
			LN	Ms=4.0	10.0 0.22
SNY	19.8	319	eP	15 34 03.8	-1.5
CN2	20.2	326	eP	15 34 10.0	1.1
TIA	21.8	298	P	15 34 24.4	-0.6
BJI	23.7	307	eP	15 34 42.0	-2.5
TIY	25.8	300	eP	15 35 03.8	-0.3
HHC	27.3	306	eP	15 35 17.5	-0.9
XAN	28.0	291	P	15 35 23.7	-1.1
LZH	32.3	294	eP	15 36 02.5	-0.5
CD2	32.4	284	eP	15 36 03.2	-0.4
GTA	35.8	300	P	15 36 31.6	-1.3
<p>1985 9 7 O=18 38 22.7 ± 0.09s LAT=39.40 N ± 0.85km LONG= 78.25 E ± 0.62km DEPTH= 26 km ± 0.31km STATIONS USED = 10, STAND DEV = 2.27s M_L=4.0/ 6,</p>					
KSH	1.8	272	iPg	18 38 53.5	-0.7
			Sg	18 39 19.2	1.0
WMQ	8.3	55	eP	18 40 25.9	0.8
			SMN	M _L =3.8	0.6 0.020
			SME		0.5 0.030
<p>1985 9 7 O=19 01 48.0 ± 0.06s LAT=25.70 N ± 0.86km LONG= 97.48 E ± 0.30km DEPTH= 15 km STATIONS USED = 15, STAND DEV = 4.92s Ms=3.9/ 2, M_L=4.0/ 5,</p>					
KMI	4.8	96	ePn	19 02 55.0	-5.4
			Sn	19 03 57.0	-0.5
			SMN	M _L =4.7	1.5 1.10
			SME		1.5 0.85
LSA	6.9	307	ePn	19 03 31.0	1.7
CD2	7.6	45	P	19 03 39.6	-1.5
			LN	Ms=3.9	8.0 0.70
GYA	8.3	83	P	19 03 51.2	0.2
XAN	12.9	47	eP	19 04 50.4	-4.1

TIA	19.8	53	eP	19 06 16.4	-4.7
BJI	21.2	43	eP	19 06 34.0	-1.5
<p>1985 9 7 O=22 59 34.4 ± 0.12s LAT= 4.26 S ± 0.88km LONG=152.89 E ± 1.31km DEPTH= 63 km ± 1.11km STATIONS USED = 21, STAND DEV = 2.00s</p>					
CN2	53.8	336	eP	23 08 53.8	0.0
XAN	56.3	316	P	23 09 12.4	0.8
CD2	58.5	310	P	23 09 28.2	1.4
LZH	60.9	316	eP	23 09 45.0	1.2
GTA	65.3	317	P	23 10 14.6	1.7
<p>1985 9 8 O=01 09 16.0 ± 0.09s LAT=32.68 N ± 1.92km LONG=141.80 E ± 3.82km DEPTH= 50 km ± 2.62km STATIONS USED = 24, STAND DEV = 2.08s</p>					
MDJ	15.2	325	eP	01 12 46.5	-3.2
CN2	17.0	316	eP	01 13 08.0	-3.3
SNY	17.1	307	eP	01 13 13.4	0.0
SSE	17.6	270	eP	01 13 21.0	1.8
			esS	01 16 39.5	-7.0
NJ2	19.4	274	eP	01 13 39.5	-1.2
BJI	21.9	297	eP	01 14 04.0	-2.3
XAN	27.4	282	eP	01 14 57.4	-2.2
CD2	32.3	277	eP	01 15 40.2	-2.4
GTA	34.4	293	P	01 16 00.0	-0.8
WMQ	43.2	301	eP	01 17 14.5	-0.1
<p>1985 9 8 O=09 23 43.5 ± 0.13s LAT= 8.03 N ± 1.90km LONG= 93.18 E ± 2.26km DEPTH= 33 km ± 0.42km STATIONS USED = 37, STAND DEV = 1.73s</p>					
KMI	19.3	27	eP	09 28 12.0	3.2
LSA	21.6	355	eP	09 28 31.0	-2.7
GYA	22.4	33	P	09 28 43.6	3.1
CD2	24.8	22	P	09 29 04.4	0.0
			eS	09 33 20.6	-1.9
LZH	29.6	18	eP	09 29 47.0	-1.1
XAN	29.7	27	+P	09 29 46.4	-2.4
GTA	31.8	10	iP	09 30 07.0	-0.8
			PcP	09 32 58.6	0.8
			ScP	09 36 37.2	0.0

NJ2	33.8	41	-P	09 30 24.6	-0.1
WMQ	36.0	353	eP	09 30 43.5	-0.2
BJI	37.9	29	eP	09 31 00.0	0.0
SNY	43.1	34	eP	09 31 41.5	-0.9
CN2	45.4	33	eP	09 32 00.0	-1.3
MDJ	48.2	35	eP	09 32 24.0	0.6

1985 9 8

O=11 28 13.1 ± 0.08s
 LAT=39.76 N ± 0.70km
 LONG=118.12 E ± 0.57km
 DEPTH= 18 km ± 0.37km
 STATIONS USED = 15, STAND DEV = 2.88s

 $M_L = 3.4 / 13,$

BJI	1.5	281	ePn	11 28 41.5	1.4
			ePg	11 28 43.0	2.8
			Sg	11 29 06.0	4.8
			SMN	$M_L = 3.8$	0.5 1.50
			SME		0.5 1.10
DL2	2.8	106	ePn	11 28 58.2	0.0
			ePg	11 29 02.4	-1.1
			eSg	11 29 35.4	-7.1
			SMN	$M_L = 3.2$	0.8 0.10
			SME		0.8 0.10
TIA	3.6	193	ePg	11 29 16.5	-0.9
			Sg	11 30 03.5	-3.4
			SMN	$M_L = 3.1$	0.4 0.040
			SME		0.5 0.060
SNY	4.6	62	ePg	11 29 33.0	-1.9
			Sn	11 30 10.5	-7.5
			Sg	11 30 34.6	-3.5
			SMN	$M_L = 3.6$	1.1 0.11
			SME		1.1 0.050
TIY	4.9	247	ePn	11 29 28.2	1.7
			Pg	11 29 37.0	-2.6
			SMN	$M_L = 3.3$	0.7 0.030
			SME		1.2 0.040
BTO	6.3	280	ePg	11 30 09.4	5.4
			eSg	11 31 30.0	0.6
			SMN	$M_L = 3.3$	0.8 0.020
			SME		0.8 0.020
CN2	6.8	51	ePg	11 30 16.0	2.7
			eSg	11 31 42.0	-4.2
			SMN	$M_L = 3.7$	1.0 0.030
			SME		1.0 0.050

1985 9 8

O=13 47 27.6 ± 0.11s
 LAT=55.11 N ± 2.45km
 LONG=162.08 E ± 1.82km

DEPTH= 34 km ± 0.12km

STATIONS USED = 18, STAND DEV = 1.70s

CN2	26.1	260	eP	13 53 01.6	1.6
GTA	43.6	276	P	13 55 30.3	-0.3
WMQ	47.4	289	eP	13 56 01.0	-0.2

1985 9 8

O=13 50 46.6 ± 0.14s
 LAT=24.72 N ± 1.44km
 LONG=114.85 E ± 1.01km
 DEPTH= 15 km ± 0.70km
 STATIONS USED = 9, STAND DEV = 4.05s

 $M_L = 3.3 / 8,$

GZH	2.1	221	+iPg	13 51 25.0	0.6
			iSg	13 51 52.0	-1.6
			SMN	$M_L = 3.2$	0.5 0.14
			SME		0.5 0.20
QZH	3.4	86	ePn	13 51 37.7	-1.9
			Sn	13 52 19.0	-2.7
			Sg	13 52 33.2	-0.2
			SMN	$M_L = 3.9$	0.4 0.50
			SME		0.4 0.30

1985 9 8

O=14 12 24.8 ± 0.15s
 LAT=28.41 N ± 1.75km
 LONG=140.59 E ± 2.24km
 DEPTH= 51 km ± 0.36km
 STATIONS USED = 60, STAND DEV = 1.62s

 $M_s = 4.8 / 24,$ $m_B = 5.7 / 23$

SSE	17.1	284	P	14 16 20.0	-1.6
			PMZ	$m_B = 5.6$	8.0 2.20
			eS	14 19 26.0	-1.7
			SS	14 19 48.0	-0.8
			LN	$M_s = 4.7$	10.0 1.59
MDJ	18.4	334	eP	14 16 38.0	-0.1
			S	14 19 50.0	-7.2
			LE	$M_s = 4.9$	12.0 2.20
DL2	18.9	308	P	14 16 44.0	-0.1
			S	14 20 08.0	-0.5
			SMN	$m_B = 5.9$	8.0 2.40
			SME		8.0 2.50
NJ2	19.1	286	-iP	14 16 46.0	-0.7
			PMZ	$m_B = 5.7$	7.0 3.00
			iS	14 20 17.0	3.0
			sS	14 20 34.0	3.6
			LE	$M_s = 4.7$	11.0 1.40
SNY	19.3	318	P	14 16 47.0	-1.1
			eS	14 20 18.0	1.0
			SMN		13.0 2.10

			SME			10.0	1.20			PcP	14 21 37.5	6.7		
			LN	Ms=4.9		10.0	0.78			S	14 23 19.5	2.7		
			LE			10.0	1.57			SMN			13.0	0.70
CN2	19.6	326	-P	14 16 49.0	-2.7					SME			12.0	1.40
			PMZ		m _B =5.3	6.0	0.90	GYA	30.1 274	P	14 18 31.4	-1.1		
			eS	14 20 21.0	-3.4					S	14 23 24.0	-1.2		
			LN			1.0	4.00			LN	Ms=5.0		14.0	1.40
QZH	20.0	265	+P	14 16 57.0	1.3			LZH	31.9 293	eP	14 18 47.0	-1.0		
			eS	14 20 26.0	-6.2					PP	14 19 51.0	-2.5		
			LN		Ms=4.6	12.0	1.00			eS	14 24 03.0	9.2		
TIA	21.3	297	eP	14 17 09.2	-0.1					LE	Ms=4.8		16.0	1.00
			eS	14 20 56.3	-1.0			CD2	32.0 284	eP	14 18 48.4	-0.7		
			SMN		m _B =5.6	9.0	0.90			LN	Ms=5.1		10.0	1.20
			SME			11.0	1.60	KMI	33.9 273	eP	14 19 05.0	-0.4		
			LE		Ms=4.7	11.0	1.20			pP	14 19 12.5	-5.0		
WHN	22.9	282	eP	14 17 27.0	1.3					eS	14 24 23.0	-2.0		
BJI	23.2	306	eP	14 17 27.0	-1.4					LE	Ms=5.0		11.0	0.97
			eS	14 21 27.0	-5.5			GTA	35.3 299	P	14 19 16.4	-1.2		
			esS	14 21 44.0	-8.7					S	14 24 55.0	9.0		
			SMN		m _B =5.7	8.0	0.96	LSA	43.0 284	eP	14 20 19.5	-2.2		
			SME			12.0	2.30	WMQ	44.7 305	eP	14 20 34.7	-0.3		
			LE		Ms=4.7	11.0	0.90	KSH	53.7 300	eP	14 21 45.0	0.4		
GZH	25.1	264	+P	14 17 49.0	2.5					eS	14 29 22.0	8.6		
			PMZ		m _B =5.8	5.0	1.30							
			LE		Ms=4.8	9.0	0.80							
TIY	25.3	299	-P	14 17 47.6	-0.9									
			PMZ		m _B =5.8	7.0	1.98							
			S	14 22 16.0	8.8									
			LN		Ms=5.1	10.0	0.80							
			LE			10.0	1.60							
HHC	26.8	305	eP	14 18 02.0	-0.5									
			S	14 22 34.0	2.2									
			LN		Ms=5.0	12.0	1.10	KSH	3.9 59	Pn	15 57 15.0	7.4		
			LE			12.0	1.00			Sn	15 57 54.0	0.8		
XAN	27.6	290	P	14 18 08.9	-0.9					LN	Ms=4.8		7.0	15.1
			PMZ		m _B =5.5	7.0	0.80	WMQ	13.7 58	eP	15 59 21.5	-3.0		
			sP	14 18 36.0	8.7			GTA	22.1 76	eP	16 01 05.1	1.4		
			S	14 22 41.0	-3.9			GYA	31.5 100	eP	16 02 32.0	1.3		
			SMN		m _B =5.5	12.0	0.50	NJ2	38.9 84	eP	16 03 36.0	3.0		
			SME			12.0	1.40							
			LE		Ms=5.0	14.0	1.70							
BTO	27.8	304	P	14 18 11.5	-0.6									
			PP	14 19 00.0	-1.2									
			S	14 22 50.0	1.2									
			SMN		m _B =5.4	12.0	0.80							
			SME			12.0	1.00							
			LN		Ms=5.0	13.0	1.10	QZN	15.5 309	eP	16 02 52.0	-1.6		
			LE			13.0	1.20			S	16 05 43.0	0.5		
QZN	29.6	258	eP	14 18 30.0	2.4					SS	16 05 59.0	-2.6		
			PP	14 19 22.0	-2.0					LN	Ms=4.4		14.0	1.10

1985 9 8
 O=15 56 10.1 ± 0.16s
 LAT=37.49 N ± 2.87km
 LONG=71.63 E ± 2.01km
 DEPTH=46 km ± 1.11km
 STATIONS USED = 22, STAND DEV = 3.82s
 Ms=4.8/3, M_L=4.6/1,

1985 9 8
 O=15 59 16.9 ± 0.11s
 LAT=9.58 N ± 1.56km
 LONG=122.59 E ± 2.13km
 DEPTH=57 km ± 0.05km
 STATIONS USED = 55, STAND DEV = 1.66s
 Ms=4.5/3,

SSE	21.5	357	+P	16 04 03.0	0.5				
			PMZ			1.0	0.040		
			esS	16 08 04.0	-8.8				
WHN	22.2	341	eP	16 04 12.0	1.8				
GYA	22.6	320	P	16 04 15.0	1.3				
NJ2	22.6	352	+P	16 04 13.0	-1.2				
			eS	16 08 14.0	0.9				
KMI	24.4	312	eP	16 04 31.0	-0.6				
TIA	27.0	350	eP	16 04 55.0	-0.5				
XAN	27.4	335	P	16 04 58.2	-1.2				
CD2	27.5	323	eP	16 05 00.0	-0.6				
DL2	29.2	358	eP	16 05 15.4	-0.3				
TIY	29.5	343	eP	16 05 17.3	-0.8				
			LN			Ms=4.5	14.0	0.48	
BJI	30.9	350	eP	16 05 31.0	0.6				
LZH	31.4	330	-P	16 05 35.0	-0.4				
SNY	32.1	1	eP	16 05 40.2	-1.3				
HHC	32.6	344	P	16 05 46.0	0.0				
BTO	32.8	342	eP	16 05 46.0	-1.8				
CN2	34.2	4	+P	16 05 57.6	-1.6				
MDJ	35.4	9	-P	16 06 10.7	0.8				
WMQ	45.6	325	P	16 07 33.5	-0.3				

1985 9 8

O=16 05 48.8 ± 0.08s
 LAT=39.53 N ± 0.96km
 LONG= 75.89 E ± 0.17km
 DEPTH= 17 km ± 0.65km

STATIONS USED = 7, STAND DEV = 5.33s

 $M_L=4.1/2,$

KSH	0.1	138	iPg	16 05 51.8	-0.3				
			Sg	16 05 58.5	4.1				
WMQ	9.8	60	P	16 08 17.0	4.4				

1985 9 8

O=17 34 45.9 ± 0.14s
 LAT= 4.53 N ± 1.65km
 LONG=126.44 E ± 2.91km
 DEPTH= 99 km ± 0.24km

STATIONS USED = 58, STAND DEV = 1.46s

QZH	21.7	340	eP	17 39 29.0	-0.8				
QZN	21.7	313	eP	17 39 32.2	2.1				
GZH	22.4	327	+P	17 39 37.0	0.1				
SSE	26.9	350	+P	17 40 22.5	2.8				
			eS	17 44 52.0	4.5				
WHN	28.3	338	eP	17 40 32.0	-0.3				
NJ2	28.3	346	+P	17 40 35.5	3.1				
GYA	28.9	321	eP	17 40 37.6	-0.2				
TIA	32.7	346	eP	17 41 10.5	-0.6				
XAN	33.6	333	-P	17 41 17.0	-1.9				

CD2	33.8	323	P	17 41 20.2	-0.9				
DL2	34.5	353	eP	17 41 27.2	0.5				
TIY	35.4	341	P	17 41 34.3	-0.4				
			LE					12.0	0.30
BJI	36.5	347	eP	17 41 44.0	-0.1				
SNY	37.2	356	eP	17 41 49.5	-0.3				
LZH	37.7	329	-P	17 41 54.0	0.3				
HHC	38.6	342	P	17 42 01.2	0.2				
BTO	38.8	340	eP	17 42 00.0	-3.3				
CN2	39.1	359	+iP	17 42 05.4	-0.1				
MDJ	40.0	3	-P	17 42 14.0	1.0				
GTA	42.3	329	iP	17 42 31.2	-0.4				
WMQ	51.9	325	-P	17 43 46.2	-0.9				

1985 9 8

O=18 07 39.3 ± 0.20s
 LAT=17.65 S ± 2.39km
 LONG=167.70 E ± 2.49km
 DEPTH= 9 km ± 0.78km

STATIONS USED = 15, STAND DEV = 3.46s

CN2	72.4	329	-P	18 19 07.6	-0.7				
GYA	73.7	305	eP	18 19 09.4	-7.1				

1985 9 8

O=18 35 02.7 ± 0.13s
 LAT= 7.37 S ± 0.85km
 LONG=156.38 E ± 0.68km
 DEPTH= 56 km ± 1.19km

STATIONS USED = 33, STAND DEV = 0.98s

NJ2	53.1	320	-P	18 44 17.9	0.7				
TIA	56.9	322	eP	18 44 43.4	-1.5				
CN2	58.1	334	eP	18 44 53.6	0.1				
GYA	58.8	307	eP	18 44 58.6	0.4				
TIY	60.7	321	P	18 45 11.5	-0.2				
XAN	60.9	316	P	18 45 11.6	-1.3				
CD2	63.1	310	eP	18 45 27.3	-0.2				
LZH	65.6	315	eP	18 45 44.0	0.5				
GTA	70.0	317	P	18 46 12.0	1.0				
WMQ	80.0	317	-P	18 47 08.8	0.0				

1985 9 8

O=19 10 06.6 ± 0.12s
 LAT=39.76 N ± 1.20km
 LONG=118.24 E ± 0.87km
 DEPTH= 13 km ± 0.47km

STATIONS USED = 15, STAND DEV = 2.43s

 $M_L=3.3/14,$

BJI	1.6	281	ePn	19 10 34.5	-0.8				
			ePg	19 10 36.5	1.3				
			eSn	19 10 57.0	-0.7				

		eSg	19 10 59.0	1.7				Sn	21 31 06.0	0.6		
		SMN	$M_L=3.7$	0.5	0.90			LE		6.0	1.00	
		SME		0.5	0.77	GYA	4.5 49	Pn	21 31 26.6	1.9		
DL2	2.8 107	ePg	19 10 56.0	0.5				Pg	21 31 44.4	7.9		
		eSg	19 11 29.6	-3.7				Sn	21 32 20.6	2.5		
		SMN	$M_L=3.0$	0.8	0.10			Sg	21 32 45.8	7.9		
		SME		0.8	0.040			SMN	$M_L=3.4$	1.0	0.070	
TIA	3.6 194	ePg	19 11 10.4	-0.8				SME		1.0	0.040	
		Sg	19 11 56.4	-4.6				LN	$M_s=3.5$	7.0	0.40	
		SMN	$M_L=2.9$	0.5	0.030			LE		7.0	0.50	
		SME		0.8	0.040	QZN	7.9 123	eP	21 32 13.4	-0.9		
SNY	4.5 61	ePg	19 11 27.5	0.4								
		eSn	19 12 02.2	-8.3								
		Sg	19 12 27.9	-1.3								
		SMN	$M_L=3.4$	1.1	0.070							
		SME		1.1	0.040							
TIY	5.0 248	ePn	19 11 22.1	0.5								
		Pg	19 11 36.1	1.6								
		Sg	19 12 44.8	2.2								
		SMN	$M_L=3.0$	0.6	0.020	KSH	0.6 84	iPg	22 43 22.0	-0.4		
		SME		0.6	0.020			Sg	22 43 29.0	-1.2		
HHC	5.2 284	Pg	19 11 43.4	4.4		WMQ	10.3 61	eP	22 45 42.0	-1.3		
		Sg	19 12 53.6	3.5				LN		2.0	0.10	
		SME	$M_L=3.4$	0.8	0.040	GTA	19.0 82	P	22 47 35.6	-0.7		
CN2	6.7 51	ePg	19 12 07.6	2.0		LZH	22.8 89	eP	22 48 16.5	0.0		
		eSg	19 13 34.0	-3.6		CD2	24.7 101	eP	22 48 36.4	1.4		
		SMN	$M_L=3.6$	1.0	0.020	KMI	27.1 113	eP	22 49 00.0	2.4		
		SME		1.0	0.040	XAN	27.4 91	eP	22 49 02.4	2.3		
<p>1985 9 8</p> <p>O=20 35 35.0 ± 0.12s</p> <p>LAT=56.45 S ± 3.28km</p> <p>LONG= 26.83 W ± 4.20km</p> <p>DEPTH= 58 km ± 0.43km</p> <p>STATIONS USED = 18, STAND DEV = 2.60s</p>												
XAN	142.5 108	PKP	20 54 58.0	-4.2		SSE	77.1 310	-P	22 56 58.5	-0.6		
NJ2	146.0 121	ePKP	20 55 10.0	1.9		NJ2	79.3 310	-P	22 57 11.0	0.3		
TIY	147.2 107	PKP	20 55 12.0	1.8		MDJ	80.2 325	-P	22 57 15.5	0.2		
BTO	147.9 101	ePKP	20 55 14.5	3.0		SNY	81.8 320	-iP	22 57 23.0	-0.5		
TIA	148.5 115	ePKP	20 55 15.4	3.2		WHN	81.8 307	P	22 57 24.2	0.5		
BJI	150.9 108	ePKP	20 55 21.0	5.1		CN2	81.9 323	+iP	22 57 23.3	-0.9		
<p>1985 9 8</p> <p>O=21 30 17.3 ± 0.08s</p> <p>LAT=23.57 N ± 0.80km</p> <p>LONG=102.87 E ± 0.66km</p> <p>DEPTH= 21 km ± 0.19km</p> <p>STATIONS USED = 8, STAND DEV = 2.77s</p> <p>$M_s=3.5/1, M_L=3.6/5,$</p>												
KMI	1.5 356	ePn	21 30 44.0	-0.5				pP	22 59 38.0	4.0		
						BJI	85.4 316	eP	22 57 40.5	-0.8		
						GYA	86.0 300	P	22 57 44.8	0.8		
						TIY	86.7 312	P	22 57 48.0	0.3		
								cS	23 07 24.9	-9.5		
						XAN	87.5 308	-P	22 57 51.6	0.2		
						KMI	88.6 297	-P	22 57 57.5	0.8		
						HHC	88.8 315	+iP	22 57 57.6	0.0		
						BTO	89.8 314	eP	22 58 01.6	-0.3		

CD2 90.1 303 eP 22 58 04.2 0.7
LZH 92.2 308 eP' 22 58 13.0 0.1

1985 9 8

O=23 04 13.4 ± 0.08s

LAT=39.43 N ± 1.61km

LONG= 75.34 E ± 1.47km

DEPTH= 22 km ± 0.86km

STATIONS USED = 32, STAND DEV = 2.45s

 $M_L = 4.2 / 3,$

KSH 0.5 87 iPg 23 04 23.0 0.0
Sg 23 04 29.8 -0.3
WMQ 10.2 61 eP 23 06 41.5 -1.0
LN 2.0 0.20
LSA 16.2 122 eP 23 08 05.2 2.8
GTA 18.9 82 P 23 08 34.9 -0.6
LZH 22.7 89 eP 23 09 17.0 1.2
CD2 24.7 101 eP 23 09 36.6 2.3
KMI 27.1 114 eP 23 10 00.0 2.9
XAN 27.3 91 eP 23 09 59.0 -0.4

1985 9 9

O=02 16 48.3 ± 0.14s

LAT=25.54 N ± 1.33km

LONG= 97.55 E ± 0.98km

DEPTH= 13 km ± 0.67km

STATIONS USED = 15, STAND DEV = 3.00s

 $M_s = 3.9 / 1, M_L = 4.2 / 4,$

KMI 4.7 94 ePg 02 18 14.0 2.1
Sn 02 18 58.0 1.8
Sg 02 19 10.5 -5.5
SMN $M_L = 4.8$ 1.5 1.45
SME 1.5 1.20
LSA 7.0 308 ePn 02 18 35.2 3.3
CD2 7.6 44 eP 02 18 44.0 1.5
LN $M_s = 3.9$ 8.0 0.70
GYA 8.2 82 eP 02 18 49.2 -1.8

1985 9 9

O=02 58 50.2 ± 0.14s

LAT=28.44 N ± 1.87km

LONG=140.60 E ± 2.21km

DEPTH= 27 km ± 0.32km

STATIONS USED = 55, STAND DEV = 1.70s

 $M_s = 5.0 / 24,$ $m_B = 5.8 / 25$

SSE 17.1 284 P 03 02 48.0 -0.7
PMZ $m_B = 5.8$ 8.0 3.58
SS 03 06 16.0 -0.8
LE $M_s = 4.8$ 11.0 2.10
MDJ 18.4 334 eP 03 03 04.0 -1.2

S 03 06 22.5 -3.2
LE $M_s = 4.9$ 12.0 2.20
DL2 18.9 308 P 03 03 12.0 0.5
eS 03 06 36.0 -1.9
SS 03 07 03.0 0.6
NJ2 19.1 286 +iP 03 03 15.0 0.8
PMZ $m_B = 5.9$ 7.0 4.30
iS 03 06 46.0 2.9
sS 03 07 00.0 6.0
LE $M_s = 4.8$ 10.0 1.40
SNY 19.2 318 eP 03 03 14.4 -1.1
PMZ $m_B = 5.4$ 11.0 1.98
eS 03 06 42.0 -3.8
LN $M_s = 5.1$ 12.0 1.20
LE 12.0 3.10
CN2 19.6 326 -P 03 03 17.0 -2.1
PMZ $m_B = 5.3$ 6.0 0.90
eS 03 06 44.0 -9.3
LN $M_s = 5.1$ 11.0 3.50
QZH 20.0 265 eP 03 03 22.5 -1.0
eS 03 06 58.0 -3.8
LN $M_s = 4.7$ 10.0 0.50
LE 10.0 0.90
TIA 21.3 297 -P 03 03 38.5 1.5
SMN 15.0 1.80
SME 15.0 3.30
LN $M_s = 4.8$ 17.0 1.50
LE 20.0 1.60
WHN 22.9 282 eP 03 03 54.0 0.5
PMZ $m_B = 5.9$ 6.0 3.50
LN $M_s = 4.8$ 10.0 1.20
BJI 23.2 306 eP 03 03 56.0 -0.1
ePPP 03 04 39.0
eS 03 07 56.0 -6.4
esS 03 08 13.0 -2.4
LN $M_s = 5.0$ 11.0 1.20
LE 15.0 1.76
GZH 25.1 264 +iP 03 04 14.0 -0.5
PMZ $m_B = 6.0$ 5.0 1.90
S 03 08 34.0 -0.2
SMN $m_B = 5.9$ 10.0 1.20
SME 11.0 3.80
TIY 25.3 299 eP 03 04 16.5 0.2
PMZ $m_B = 6.0$ 6.5 2.45
HHC 26.8 305 eP 03 04 30.0 -0.4
S 03 09 01.0 -1.0
LN $M_s = 5.1$ 10.0 1.10
LE 10.0 1.15
XAN 27.6 290 eP 03 04 37.0 -0.7
PMZ $m_B = 5.7$ 8.0 1.30

	eS	03 09 13.0	-3.1					LN	Ms=4.1	12.0	0.68
	LE	Ms=5.0	12.0	1.50	LSA	15.1	352	eP	05 31 49.4	-4.8	
BTO	27.8	304	eP	03 04 39.8	-0.1	QZN	16.2	72	eP	05 32 10.7	3.6
	PPP	03 05 35.0						eS	05 35 09.5	5.2	
	S	03 09 18.0	-0.9					LE	Ms=4.4	18.0	1.30
	SMN	m _B =5.5	11.0	0.70	GYA	16.9	44	P	05 32 17.6	0.5	
	SME		11.0	1.10				PMZ		1.2	0.070
	LN	Ms=4.9	12.0	0.80				S	05 35 26.0	4.3	
	LE		12.0	1.00	CD2	18.7	28	eP	05 32 36.2	-2.1	
QZN	29.6	258	P	03 04 56.0	0.3			eS	05 35 57.5	-4.0	
	PcP	03 08 04.0	4.3		GZH	20.5	63	P	05 32 57.5	-0.6	
	PP	03 05 51.5	-0.1		LZH	23.2	21	+iP	05 33 26.5	0.7	
	S	03 09 47.0	-0.3					PMZ		1.5	0.20
	sS	03 10 03.5	1.8					S	05 37 35.0	5.2	
	LN	Ms=5.0	16.0	1.70	XAN	23.8	33	-iP	05 33 30.2	-0.7	
GYA	30.1	274	P	03 05 01.0	0.5			PMZ		1.0	0.10
	PPP	03 06 05.0						pP	05 33 42.0	0.5	
	S	03 09 50.0	-5.7					sP	05 33 51.0	4.7	
	LN	Ms=5.0	14.0	1.40				S	05 37 45.0	5.8	
LZH	31.9	293	eP	03 05 15.5	-0.4			SMN	m _B =5.5	5.0	0.60
	PMZ	m _B =5.9	6.5	1.20				SME		7.0	0.60
	PP	03 06 22.0	1.0					LE	Ms=4.4	10.0	0.40
	eS	03 10 31.0	6.9		WHN	24.8	47	P	05 33 40.5	-0.2	
	LE	Ms=5.0	11.0	1.10	GTA	25.2	11	iP	05 33 46.1	0.8	
KMI	33.9	273	eP	03 05 35.0	1.6	QZH	25.6	63	iP	05 33 49.0	0.4
	PMZ	m _B =5.7	8.0	0.96	TIY	28.4	33	eP	05 34 13.4	-0.8	
	pP	03 05 45.0	3.6					S	05 38 57.0	1.3	
	PP	03 06 53.0	6.8					LE	Ms=4.5	11.0	0.40
	S	03 11 00.0	5.8		NJ2	28.8	49	-P	05 34 17.5	-0.4	
	sS	03 11 16.0	7.4		KSH	29.1	331	eP	05 34 23.0	2.3	
	LE	Ms=5.0	14.0	1.20				S	05 39 12.0	4.8	
GTA	35.3	299	P	03 05 45.6	0.0	WMQ	29.5	351	eP	05 34 24.0	0.1
	S	03 11 24.0	7.7					S	05 39 16.0	3.1	
LSA	43.0	284	P	03 06 52.0	2.2	BTO	29.5	26	P	05 34 23.8	-0.7
	eS	03 13 17.0	3.3		TIA	30.1	40	eP	05 34 27.5	-1.4	
WMQ	44.7	305	eP	03 07 03.0	0.0	SSE	30.1	52	+P	05 34 29.5	0.1
	S	03 13 44.5	8.2					PMZ		1.0	0.030
KSH	53.7	300	P	03 08 14.0	1.3	HHC	30.4	28	+iP	05 34 32.2	-0.1
	ePP	03 10 23.0	8.9		BJI	32.1	34	eP	05 34 47.0	0.2	
					SNY	37.5	38	eP	05 35 32.1	-0.8	
					CN2	39.8	37	-P	05 35 51.0	-0.9	

1985 9 9

O=05 28 21.2 ± 0.12s

LAT=14.67 N ± 2.05km

LONG= 93.57 E ± 1.75km

DEPTH= 43 km ± 0.42km

STATIONS USED = 78, STAND DEV= 1.78s

Ms=4.4/ 6, m_B=5.6/ 2

KMI 13.5 38 eP 05 31 33.0 0.2

sP 05 31 42.5 -4.1

eS 05 34 06.0 3.9

1985 9 9

O=09 33 11.8 ± 0.17s

LAT= 6.46 S ± 2.91km

LONG=149.93 E ± 2.94km

DEPTH= 10 km ± 0.44km

STATIONS USED = 78, STAND DEV= 2.75s

Ms=5.3/ 25, m_B=5.8/ 1

QZH 43.6 317 eP 09 41 24.0 5.3

			S	09 47 51.0	3.8				LE	Ms = 5.5	18.0	2.00
			LN	Ms = 5.2	16.0	1.70	BTO	59.5 325	eP	09 43 21.6	3.6	
SSE	46.4	325	eP	09 41 42.5	2.0				eS	09 51 30.0	3.9	
			eS	09 48 23.0	-4.4				LN	Ms = 5.3	18.0	1.20
			sS	09 48 46.0	9.2				LE		18.0	0.60
			SS	09 51 48.0	3.4		LZH	60.5 318	eP	09 43 25.0	0.0	
			LN	Ms = 5.4	16.0	2.00			S	09 51 40.0	2.4	
QZN	46.9	303	eP	09 41 44.0	-0.8				LE	Ms = 5.5	22.0	2.50
			PcP	09 43 19.0	1.8		GTA	65.0 319	eP	09 43 53.7	-1.2	
			S	09 48 33.0	-1.2				eS	09 52 34.0	-1.6	
			LE	Ms = 5.1	15.0	1.00	LSA	66.9 306	eP	09 44 03.4	-3.8	
NJ2	48.4	324	eP	09 42 00.9	4.3		WMQ	75.0 318	eP	09 44 56.0	-0.4	
			S	09 48 56.5	1.1				S	09 54 34.0	2.0	
WHN	50.2	319	eP	09 42 10.5	0.6				ScS	09 55 07.0	2.9	
TIA	52.4	326	eP	09 42 30.8	3.6				LN	Ms = 5.3	22.0	1.10
			SMN		30.0	2.00	KSH	81.8 311	P	09 45 36.0	2.4	
			SME		30.0	1.97						
			LN	Ms = 5.4	25.0	2.28						
			LE		30.0	2.00						
GYA	53.2	310	eP	09 42 36.2	3.2							
			S	09 50 05.0	3.7							
SNY	53.8	336	eP	09 42 37.2	0.2							
			LN	Ms = 5.3	35.0	2.64						
			LE		33.0	1.40	QZN	25.3 11	eP	10 41 42.8	3.8	
MDJ	54.0	342	eP	09 42 38.0	-1.1		KMI	31.0 356	eP	10 42 30.5	0.2	
			S	09 50 19.0	6.2		CD2	36.7 358	eP	10 43 19.0	-0.2	
			SME		26.0	1.30	XAN	40.0 5	P	10 43 46.4	-0.2	
CN2	54.7	338	eP	09 42 41.5	-2.5		CN2	52.9 19	eP	10 45 28.0	-0.5	
			eS	09 50 17.0	-5.9				PcP	10 46 36.3	0.7	
			LE	Ms = 5.2	12.0	0.80						
KMI	55.6	306	eP	09 42 50.0	-0.8							
			pP	09 43 02.0	5.9							
			eS	09 50 33.0	-2.3							
			LE	Ms = 5.2	18.0	1.10						
BJI	55.8	329	eP	09 42 51.0	-0.6							
			eS	09 50 37.0	0.0							
			SS	09 54 30.0	9.0							
			LN	Ms = 5.0	12.0	0.50	QZH	5.0 315	ePn	11 03 11.3	-0.4	
XAN	55.9	319	eP	09 42 51.0	-1.9				Sn	11 04 08.1	-1.6	
			eS	09 50 34.5	-4.7				Sg	11 04 33.9	-1.7	
			LN	Ms = 5.2	13.0	0.90			SMN	Ms = 3.7	0.5	0.080
			P	09 42 57.6	3.1				SME		0.5	0.10
			S	09 50 44.0	3.1		GZH	8.6 283	eP	11 04 03.5	-0.9	
			LN	Ms = 5.2	15.0	0.70			S	11 05 38.0	-3.1	
			LE		12.0	0.60	SSE	9.7 353	eP	11 04 23.0	4.1	
CD2	57.7	313	eP	09 43 04.4	-1.2		WHN	11.6 323	eP	11 04 49.0	3.3	
			eS	09 51 03.0	0.2		QZN	12.1 261	eP	11 04 48.8	-3.4	
			LN	Ms = 5.5	12.0	1.50	GYA	15.3 292	eP	11 05 35.0	0.7	
HHC	58.8	327	eP	09 43 17.0	3.7		XAN	17.3 319	eP	11 06 07.0	6.9	
			S	09 51 20.1	4.3		TIY	18.4 334	eP	11 06 13.3	0.1	

1985 9 9
 O = 10 36 18.2 ± 0.11s
 LAT = 5.99 S ± 1.34km
 LONG = 104.88 E ± 1.56km
 DEPTH = 85 km ± 0.33km
 STATIONS USED = 26, STAND DEV = 1.08s

1985 9 9
 O = 11 01 59.0 ± 0.17s
 LAT = 21.45 N ± 2.29km
 LONG = 122.49 E ± 2.03km
 DEPTH = 36 km ± 0.70km
 STATIONS USED = 30, STAND DEV = 2.29s

M_L = 4.0 / 5,

September, 1985



HHC	30.3	274	-P	04 41 08.0	0.2
TIY	31.2	268	eP	04 41 15.8	0.5
XAN	35.5	265	eP	04 41 52.2	-0.8
LZH	37.9	272	eP	04 42 13.5	0.3
GTA	39.0	279	P	04 42 23.1	0.8
CD2	40.9	265	eP	04 42 38.4	0.6
GYA	41.7	258	P	04 42 44.8	0.2

1985 9 10

O=04 50 11.7 ± 0.07s

LAT=13.68 N ± 1.28km

LONG=120.91 E ± 1.79km

DEPTH=142 km ± 0.57km

STATIONS USED = 57, STAND DEV= 1.41s

QZH	11.4	349	eP	04 52 50.6	-1.1
QZN	11.9	298	eP	04 52 57.4	-0.3
SSE	17.3	1	+P	04 54 07.0	0.5
			PMZ		1.0 0.030
WHN	17.8	341	-P	04 54 13.0	0.5
NJ2	18.4	354	+P	04 54 19.0	0.5
GYA	18.4	316	P	04 54 19.0	-0.1
KMI	20.5	306	+P	04 54 42.5	1.3
TIA	22.7	352	eP	04 55 02.8	0.7
XAN	23.0	334	P	04 55 04.6	-0.6
CD2	23.3	320	eP	04 55 08.4	0.3
TIY	25.1	344	+P	04 55 25.0	-0.2
			PMZ		1.0 0.040
BJI	26.6	352	eP	04 55 38.5	-0.4
LZH	27.1	329	+iP	04 55 43.0	-0.5
			PMZ		1.6 0.30
			eS	05 00 10.0	0.4
HHC	28.3	345	P	04 55 53.4	-0.9
BTO	28.5	342	eP	04 55 55.0	-1.0
GTA	31.7	328	eP	04 56 24.0	-0.3
LSA	31.8	305	eP	04 56 23.8	-1.9
WMQ	41.3	323	P	04 57 45.6	0.0
KSH	47.0	312	eP	04 58 32.0	0.7

1985 9 10

O=04 53 37.0 ± 0.22s

LAT= 4.68 S ± 2.31km

LONG= 76.74 W ± 2.44km

DEPTH=120 km ± 1.95km

STATIONS USED = 23, STAND DEV= 1.96s

GTA	145.3	5	iPKP	05 13 01.2	-0.5
TIY	146.1	347	ePKP	05 13 03.2	0.3
LZH	148.7	359	ePKP	05 13 08.5	1.1
SSE	148.8	329	iPKP	05 13 11.0	3.7
			sPKP	05 13 42.5	
NJ2	149.1	334	PKP	05 13 11.3	3.5

XAN	150.3	350	pPKP	05 13 42.8	3.5
			PKP	05 13 10.0	0.2

1985 9 10

O=06 39 01.3 ± 0.10s

LAT=27.25 N ± 1.78km

LONG=140.00 E ± 1.90km

DEPTH=505 km ± 0.49km

STATIONS USED = 107, STAND DEV= 1.39s

$m_B = 5.9 / 39$

SSE	16.9	288	-iP	06 42 29.5	-0.9
			PMZ		$m_B = 6.4$ 9.0 8.78
			sP	06 44 28.0	-2.0
			iS	06 45 18.0	-1.6
			SMN		14.0 19.3
			SME		14.0 61.4
			PcP	06 46 52.0	3.3
			ScP	06 49 36.0	0.8
			ScS	06 53 16.0	2.0
NJ2	19.0	290	-iP	06 42 51.0	0.0
			S	06 45 56.0	0.4
			SMN		$m_B = 6.0$ 12.0 37.3
			ScP	06 49 41.9	2.2
MDJ	19.2	337	-P	06 42 55.8	2.4
			sP	06 45 04.0	3.1
			iS	06 46 04.0	3.3
			SME		$m_B = 6.0$ 8.0 29.7
			ScP	06 49 42.0	1.8
			ScS	06 53 20.8	-0.6
DL2	19.3	312	iP	06 42 54.0	0.5
			sP	06 45 01.0	0.0
			iS	06 46 00.0	-0.8
			SMN		$m_B = 6.0$ 10.0 5.69
			SME		9.0 27.5
			ePcP	06 46 50.0	-2.7
			ScP	06 49 39.0	-1.3
			iScS	06 53 22.0	0.6
QZH	19.4	268	+iP	06 42 55.0	0.4
			PMZ		$m_B = 6.5$ 7.0 9.40
			sP	06 45 03.0	0.6
			iS	06 46 01.0	-1.7
SNY	19.8	321	-iP	06 42 58.9	0.1
			PMZ		$m_B = 6.1$ 10.0 4.70
			sP	06 45 10.0	1.8
			iS	06 46 08.0	-2.3
			SMN		24.0 18.4
			SME		20.0 40.4
CN2	20.3	328	-P	06 43 03.0	-0.2
			PMZ		$m_B = 5.9$ 8.0 2.40
			iSP	06 45 15.0	1.0

TIA	21.4	300	S	06 46 17.0	-0.3	QZN	28.9	260	iP	06 44 21.4	1.2			
			iPcP	06 46 56.0	1.3				sP	06 46 44.0	0.7			
			iScS	06 53 26.0	1.1				ScP	06 50 10.0	3.6			
			-P	06 43 13.4	0.0				S	06 48 32.0	-2.5			
			PMZ		17.0				6.70	SMN	$m_B=5.7$	9.5	2.20	
			sP	06 45 29.0	1.4				SME		10.0	6.40		
			ScP	06 49 45.7	0.4				ScS	06 53 55.0	-5.7			
			S	06 46 35.0	-0.6				GYA	29.7	276	-P	06 44 27.4	-0.2
			SMN	$m_B=5.4$	9.0				6.48	PMZ	$m_B=6.0$	4.0	2.00	
			SME		13.0				1.46	pP	06 45 56.0	8.3		
WHN	22.7	284	ScS	06 53 30.9	2.0	sP	06 46 55.0	4.0						
			iP	06 43 25.5	0.1	ScP	06 50 12.0	2.8						
			PMZ	$m_B=6.4$	8.0	7.70	S	06 48 45.0	-2.7					
			sP	06 45 43.0	0.1	SMN	$m_B=5.6$	8.0	2.50					
			ScP	06 49 49.0	0.4	SME		8.0	2.60					
			S	06 46 47.0	-9.9	PcS	06 51 02.0	4.7						
			SME	$m_B=5.6$	10.0	9.90	ScS	06 54 08.0	3.2					
			PcS	06 50 37.0	0.4	CD2	31.8	285	-iP	06 44 45.4	0.0			
			-P	06 43 31.5	-1.2	PMZ		0.4	0.30					
			sP	06 45 51.0	-0.5	pP	06 46 17.0	4.5						
BJI	23.5	309	ScP	06 49 50.0	-0.7	iS	06 49 18.0	-2.9						
			eS	06 47 07.0	-3.9	LZH	31.9	295	-iP	06 44 46.2	0.1			
			SMN	$m_B=5.3$	9.0	3.40	PMZ		1.6	1.70				
			SME		11.0	3.67	pP	06 46 14.5	1.3					
			ScS	06 53 37.0	-0.1	PP	06 46 18.0	0.1						
			P	06 43 41.0	-0.4	sP	06 47 13.0	2.5						
			PMZ		16.0	4.40	iS	06 49 20.0	-2.2					
			sP	06 46 02.0	0.9	SME	$m_B=5.7$	10.0	5.30					
			iS	06 47 23.0	-3.2	ScP	06 50 17.0	0.7						
			-iP	06 43 49.6	-0.3	PcS	06 51 04.0	-0.4						
GZH	24.5	266	PMZ			sS	06 51 59.0	0.6						
			sP	06 46 02.0	0.9	iScS	06 54 20.0	4.4						
			iS	06 47 23.0	-3.2	KMI	33.4	275	-iP	06 44 59.5	0.2			
			-iP	06 43 49.6	-0.3	PMZ	$m_B=6.2$	6.0	4.90					
			PMZ		1.2	0.30	pP	06 46 29.0	1.6					
			sP	06 46 09.5	-1.0	sP	06 47 25.0	0.7						
			S	06 47 35.0	-5.5	ScP	06 50 26.0	4.2						
			SMN	$m_B=5.5$	9.0	3.30	S	06 49 40.0	-5.0					
			SME		12.0	5.90	PcS	06 51 16.0	6.0					
			-iP	06 44 04.0	-0.5	sS	06 52 17.0	-6.6						
HHC	27.1	307	sP	06 46 26.0	-0.4	SS	06 52 28.0	-8.7						
			S	06 48 08.0	1.6	GTA	35.4	300	iP	06 45 16.0	0.0			
			SMN	$m_B=5.6$	8.0	3.71	PP	06 46 54.0	1.7					
			SME		8.0	3.65	PcP	06 47 34.5	2.5					
			-iP	06 44 07.5	-1.0	ScP	06 50 32.7	3.8						
			PMZ	$m_B=6.1$	7.0	3.90	S	06 50 12.0	-3.3					
			sP	06 46 30.0	-0.9	ScS	06 54 33.4	-1.1						
			S	06 48 10.0	-3.6	LSA	42.8	285	iP	06 46 15.8	0.0			
			SMN	$m_B=5.5$	11.0	3.80	iS	06 52 03.0	-1.3					
			SME		11.0	4.10	WMQ	44.9	306	+iP	06 46 32.5	0.2		
XAN	27.5	292	-iP	06 44 07.5	-1.0									
			PMZ	$m_B=6.1$	7.0	3.90								
			sP	06 46 30.0	-0.9									
			S	06 48 10.0	-3.6									
			SMN	$m_B=5.5$	11.0	3.80								
			SME		11.0	4.10								
			ScP	06 50 02.0	-0.3									
			PcS	06 50 48.0	-2.3									
			ScS	06 53 51.0	-3.4									
			P	06 44 12.8	-0.6									
BTO	28.1	306												

		pP	06 48 06.0	0.0			
		PP	06 48 29.0	4.5			
		sP	06 49 06.0	5.0			
		S	06 52 32.0	-0.7			
		ScS	06 55 30.0	-1.5			
KSH	53.8	300	+iP	06 47 40.0	1.3		
			S	06 54 40.0	5.9		
			ScS	06 56 35.0	2.9		

1985 9 10

O=08 57 30.5 ± 0.11s
 LAT=24.63 N ± 1.87km
 LONG=122.98 E ± 1.14km
 DEPTH=107 km ± 1.57km
 STATIONS USED = 50, STAND DEV = 2.22s

M_L=3.7/ 5,

QZH	4.0	275	-iP	08 58 29.0	-2.2		
			S	08 59 12.2	-5.0		
			SMN	M _L =3.5	0.3	0.10	
			SME		0.3	0.10	
SSE	6.6	347	+iP	08 59 06.0	-1.0		
			eS	09 00 19.0	-2.7		
			LN		10.0	0.20	
NJ2	8.2	335	-P	08 59 27.0	-1.9		
			eS	09 00 56.7	-4.1		
			LE		4.0	0.80	
WHN	9.7	309	P	08 59 48.3	0.3		
			LG ₁	09 02 30.3	-3.6		
			LN		4.0	0.80	
TIA	12.6	338	eP	09 00 29.0	1.8		
GYA	14.8	281	P	09 01 02.6	6.2		
XAN	15.4	311	P	09 01 04.0	0.4		
TIY	15.8	328	eP	09 01 11.5	2.6		
			eS	09 04 07.5	6.1		
			LE		6.0	0.30	
BJI	16.4	341	eP	09 01 17.0	1.3		
SNY	17.2	2	eP	09 01 25.6	0.5		
CD2	18.1	294	eP	09 01 38.4	1.7		
CN2	19.2	5	P	09 01 49.0	0.0		
BTO	19.3	329	eP	09 01 50.0	0.5		
LZH	20.0	309	eP	09 01 58.0	0.3		
GTA	24.5	313	eP	09 02 40.7	-0.4		

1985 9 10

O=08 58 01.5 ± 0.07s
 LAT=27.44 N ± 1.70km
 LONG=139.87 E ± 1.23km
 DEPTH=538 km ± 0.58km
 STATIONS USED = 32, STAND DEV = 1.64s

SSE	16.7	287	eP	09 01 26.8	-1.0		
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			eS	09 04 13.0	-1.7		
MDJ	19.0	337	eP	09 01 52.0	1.9		
			S	09 05 01.5	7.8		
TIA	21.2	300	eP	09 02 05.2	-5.0		
GYA	29.6	276	-P	09 03 25.0	0.2		
CD2	31.6	285	P	09 03 41.8	-0.5		
KMI	33.3	275	-P	09 03 57.0	0.5		

1985 9 10

O=10 46 12.7 ± 0.05s
 LAT= 6.62 S ± 0.87km
 LONG=150.06 E ± 0.74km
 DEPTH= 10 km ± 0.04km
 STATIONS USED = 9, STAND DEV = 1.57s

NJ2	48.6	324	eP	10 54 57.5	-1.7		
XAN	56.1	319	P	10 55 56.6	1.2		

1985 9 10

O=11 18 43.4 ± 0.29s
 LAT=26.52 N ± 2.69km
 LONG=141.10 E ± 4.03km
 DEPTH=510 km
 STATIONS USED = 30, STAND DEV = 1.83s

SSE	18.0	289	P	11 22 21.0	-2.8		
NJ2	20.2	291	+P	11 22 43.3	-0.7		
TIA	22.6	301	-P	11 23 05.0	-1.5		
WHN	23.8	286	P	11 23 14.2	-3.4		
BJI	24.7	309	eP	11 23 23.0	-2.6		
XAN	28.7	293	P	11 23 59.8	-1.0		
GYA	30.8	278	-P	11 24 19.4	0.7		
CD2	32.9	287	-iP	11 24 37.2	0.2		
GTA	36.6	301	P	11 25 07.7	-0.2		
WMQ	46.1	306	+iP	11 26 24.1	0.5		

1985 9 10

O=11 52 56.7 ± 0.21s
 LAT= 6.40 S ± 1.95km
 LONG=150.09 E ± 2.71km
 DEPTH= 32 km ± 1.13km
 STATIONS USED = 56, STAND DEV = 2.00s
 M_s=5.0/ 12,

QZH	43.7	317	eP	12 01 02.0	1.0		
			eS	12 07 24.0	-4.9		
			LN	M _s =5.1	18.0	1.40	
SSE	46.4	325	eP	12 01 22.0	-0.6		
			S	12 08 06.0	-0.7		
			LN	M _s =5.2	20.0	1.70	
NJ2	48.5	324	eP	12 01 40.6	2.0		
			ScP	12 06 58.4	3.4		
			S	12 08 37.5	1.8		

WHN	50.2	319	LE	Ms = 5.0	15.0	0.80									
			eP	12 01 52.5	0.4		DL2	18.7	308	LE	Ms = 4.7	12.0	1.67		
			eS	12 09 04.0	2.9					eP	14 23 39.5	1.0			
			LN	Ms = 5.0	14.0	0.60				eS	14 27 03.0	1.9			
TIA	52.5	326	eP	12 02 10.6	1.4					sS	14 27 18.0	-7.5			
			eS	12 09 26.0	-6.3					SS	14 27 30.0	2.5			
			LN	Ms = 4.2	20.0	0.10				LN	Ms = 4.8	11.0	1.20		
			LE		20.0	0.10	NJ2	18.9	286	LE		11.0	0.98		
GYA	53.3	310	eP	12 02 21.0	5.7					-P	14 23 42.0	0.6			
			S	12 09 46.0	3.9					PMZ	m _B = 5.7	7.0	2.70		
SNY	53.8	336	eP	12 02 19.8	1.0					LE	Ms = 4.6	10.0	1.00		
			S	12 09 50.0	1.2		SNY	19.0	318	-iP	14 23 42.0	-0.6			
			LN	Ms = 5.1	23.0	1.00				pP	14 23 50.5	-5.7			
			LE		18.0	0.53				LN	Ms = 4.8	10.0	1.20		
MDJ	54.0	342	P	12 02 20.0	-0.8					LE		9.0	0.87		
			S	12 09 52.5	0.2		CN2	19.4	326	-P	14 23 44.5	-1.7			
CN2	54.7	338	P	12 02 21.5	-4.2					PMZ	m _B = 5.2	6.0	0.70		
KMI	55.7	306	eP	12 02 31.0	-2.1					eS	14 27 09.0	-6.8			
BJI	55.8	329	eP	12 02 31.0	-2.5					LN	Ms = 5.0	11.0	2.40		
			eS	12 10 11.0	-6.1					QZH	19.8	265	+P	14 23 52.0	1.0
			LN	Ms = 4.9	17.0	0.57				PMZ	m _B = 5.6	7.0	2.20		
XAN	56.0	319	eP	12 02 33.2	-1.8					eS	14 27 26.0	0.8			
TIY	56.2	324	eP	12 02 40.8	4.3					sS	14 27 44.0	-3.2			
			eS	12 10 21.0	-1.5					LN	Ms = 4.6	12.0	0.78		
			LN	Ms = 4.9	14.0	0.40				LE		12.0	0.70		
			LE		15.0	0.30	TIA	21.0	297	eP	14 24 03.0	-0.9			
CD2	57.8	313	eP	12 02 46.4	-1.4					PMZ	m _B = 5.6	6.5	2.10		
			eS	12 10 37.0	-6.4					eS	14 27 51.8	2.7			
LZH	60.5	318	eP	12 03 05.5	-1.6					SMN	m _B = 5.5	10.0	0.50		
			eS	12 11 16.0	-3.6					SME		11.0	1.30		
GTA	65.0	319	eP	12 03 36.0	-0.8					LE	Ms = 4.6	11.0	0.95		
LSA	66.9	306	eP	12 03 47.7	-1.7				WHN	22.7	281	eP	14 24 20.5	0.0	
WMQ	75.1	318	eP	12 04 38.3	0.0					PMZ	m _B = 5.9	6.0	3.40		
			eS	12 14 12.0	-1.8					eS	14 28 24.5	4.8			
KSH	81.9	311	eP	12 05 17.0	1.4					SME	m _B = 6.1	10.0	4.86		
										LN	Ms = 4.8	11.0	1.30		
							BJI	23.0	306	eP	14 24 22.5	-0.3			
										ePPP	14 25 05.0				
										eS	14 28 22.0	-1.9			
										SME	m _B = 5.7	11.0	1.90		
							GZH	24.9	264	eP	14 24 43.0	1.2			
							TIY	25.1	299	eP	14 24 41.2	-1.9			
										PMZ	m _B = 5.8	6.0	1.70		
										LE	Ms = 4.5	13.0	0.60		
							HHC	26.6	305	-P	14 24 55.4	-1.7			
										S	14 29 21.0	-2.4			
										SMN	m _B = 5.2	10.0	0.66		
										SME		10.0	0.15		
										LN	Ms = 4.7	12.0	0.49		
										LE		12.0	0.58		
							XAN	27.4	289	P	14 25 04.0	-0.5			

1985 9 10

O = 14 19 23.8 ± 0.13s

LAT = 28.58 N ± 2.51km

LONG = 140.40 E ± 2.52km

DEPTH = 74 km ± 1.00km

STATIONS USED = 55, STAND DEV = 1.92s

Ms = 4.8 / 22, m_B = 5.6 / 23

SSE	16.9	283	-P	14 23 18.0	1.4				
			PMZ	m _B = 5.6	10.0	2.70			
			eS	14 26 23.0	2.4				
			SS	14 26 42.0	-0.6				
			LE	Ms = 4.6	10.0	1.20			
MDJ	18.2	335	-P	14 23 30.0	-2.8				
			S	14 26 44.0	-5.3				

	PMZ		$m_B = 5.6$	7.0	0.95	
	eS	14 29	36.0	-1.8		
	SME		$m_B = 5.4$	12.0	1.25	
	LE		$M_s = 4.8$	11.0	0.90	
BTO	27.6	304	+iP	14 25	08.5	1.9
	PcP	14 28	22.0	-0.1		
	S	14 29	46.0	5.5		
	SMN		$m_B = 5.4$	11.0	0.70	
	SME			11.0	1.00	
	LN		$M_s = 4.8$	12.0	0.50	
	LE			12.0	0.80	
QZN	29.5	258	eP	14 25	25.0	1.8
	S	14 30	16.0	5.9		
	LN		$M_s = 4.7$	11.0	0.70	
GYA	29.9	274	P	14 25	28.6	1.0
	PP	14 26	30.0	2.9		
LZH	31.6	293	eP	14 25	40.5	-2.1
	PP	14 26	46.0	-2.9		
	LE		$M_s = 4.8$	12.0	0.80	
CD2	31.8	283	eP	14 25	41.8	-2.2
KMI	33.7	273	eP	14 26	00.0	-0.4
	pP	14 26	10.0	-7.5		
	PP	14 27	18.0	3.7		
	eS	14 31	19.0	1.4		
	LE		$M_s = 4.6$	10.0	0.40	
GTA	35.1	299	eP	14 26	10.7	-1.5
WMQ	44.4	305	eP	14 27	30.9	1.3
	PP	14 29	14.0	-0.8		
	eS	14 33	58.0	-0.8		
KSH	53.5	300	+P	14 28	42.0	2.6

STATIONS USED = 27, STAND DEV = 1.24s

QZH	46.4	313	P	21 39	53.1	1.0
KMI	58.9	304	eP	21 41	26.0	0.3
CD2	60.6	310	eP	21 41	36.4	-0.9
LZH	63.1	315	eP	21 41	54.0	0.1
GTA	67.5	317	P	21 42	23.1	0.9
LSA	70.2	304	eP	21 42	38.1	-1.0

1985 9 11
 O = 00 47 19.1 ± 0.05s
 LAT = 7.17 S ± 0.88km
 LONG = 107.02 E ± 1.06km
 DEPTH = 53 km ± 0.04km

STATIONS USED = 20, STAND DEV = 0.96s

GYA	33.4	359	eP	00 53	56.6	1.1
CD2	38.0	355	eP	00 54	34.6	0.4
XAN	41.0	2	eP	00 54	59.6	0.3
CN2	53.4	17	+P	00 56	35.6	-0.7
WMQ	53.7	343	eP	00 56	37.5	-1.0

1985 9 11
 O = 01 57 20.6 ± 0.10s
 LAT = 40.47 N ± 2.10km
 LONG = 63.20 E ± 1.27km
 DEPTH = 32 km ± 0.18km

STATIONS USED = 38, STAND DEV = 1.79s
 $M_s = 4.2 / 2,$

KSH	9.9	92	eP	01 59	41.0	-2.5
WMQ	18.5	71	eP	02 01	34.5	-1.3
GTA	28.0	80	eP	02 03	11.6	0.8
CD2	34.0	93	eP	02 04	05.7	1.5
XAN	36.6	85	+P	02 04	26.4	0.1
GYA	38.5	98	eP	02 04	42.4	0.6
SNY	44.7	68	-P	02 05	32.6	0.2
CN2	45.3	64	+P	02 05	37.5	-0.3
GZH	45.4	97	eP	02 05	39.5	1.2

1985 9 11
 O = 02 44 00.6 ± 0.17s
 LAT = 28.37 N ± 3.18km
 LONG = 140.74 E ± 3.14km
 DEPTH = 34 km ± 0.83km

STATIONS USED = 53, STAND DEV = 2.47s
 $M_s = 4.8 / 26,$ $m_B = 5.5 / 24$

SSE	17.2	284	P	02 48	00.0	0.0
	PMZ		$m_B = 5.4$	10.0	1.66	
	eS	02 51	03.0	-5.8		
	sS	02 51	16.0	-4.9		
	SS	02 51	23.0	-6.6		
	LN		$M_s = 4.7$	10.0	1.40	

1985 9 10
 O = 14 39 46.4 ± 0.21s
 LAT = 10.37 N ± 3.32km
 LONG = 139.55 E ± 1.53km
 DEPTH = 33 km ± 0.19km

STATIONS USED = 21, STAND DEV = 1.48s

SSE	26.8	323	eP	14 45	24.5	-0.8
BJI	36.1	329	eP	14 46	45.0	-2.5
XAN	36.6	315	eP	14 46	50.8	-1.1
KMI	37.9	298	eP	14 47	04.0	1.5
CD2	39.0	307	eP	14 47	12.5	0.8
GTA	45.6	316	P	14 48	05.9	-0.3
WMQ	55.7	316	P	14 49	22.0	-0.7

1985 9 10
 O = 21 31 28.0 ± 0.10s
 LAT = 5.73 S ± 1.11km
 LONG = 154.53 E ± 1.24km
 DEPTH = 47 km ± 0.50km

MDJ	18.5	334	eP	02 48 12.0	-4.2			HHC	26.9	305	+P	02 49 41.0	-0.1		
DL2	19.0	308	eP	02 48 25.0	2.3						PP	02 50 25.0	-1.3		
			S	02 51 53.0	3.4						eS	02 54 13.0	-1.2		
			SMN	$m_B=5.8$	8.0	2.40					SMN	$m_B=5.5$	9.0	0.49	
			SME		7.0	1.30					SME		11.0	1.15	
			LN	$M_S=4.9$	11.0	2.10					LN	$M_S=4.9$	10.0	0.75	
NJ2	19.3	286	+P	02 48 26.5	1.2						LE		10.0	0.73*	
			PMZ	$m_B=5.5$	7.0	1.60		XAN	27.7	290	eP	02 49 47.6	-0.8		
			S	02 52 00.0	5.3						PMZ	$m_B=5.4$	7.0	0.60	
			LN	$M_S=4.8$	12.0	1.80					S	02 54 30.0	3.7		
SNY	19.4	318	+P	02 48 24.0	-2.5						SME		13.0	0.90	
			PMZ	$m_B=4.8$	12.0	0.60		BTO	28.0	304	P	02 49 50.0	-0.6		
			pP	02 48 35.0	0.6						PMZ	$m_B=5.6$	7.0	0.90	
			PP	02 48 36.0	-7.8						ePP	02 50 35.0	-5.0		
			S	02 51 58.0	0.7						eS	02 54 25.0	-6.1		
			SMN	$m_B=5.6$	8.0	1.10					SMN	$m_B=5.5$	8.0	0.90	
			SME		8.0	1.40					SME		8.0	0.50	
			LN	$M_S=5.1$	12.0	1.90					LN	$M_S=4.9$	13.0	0.60	
			LE		12.0	2.70					LE		13.0	1.10	
CN2	19.7	325	P	02 48 28.0	-2.0			QZN	29.7	259	eP	02 50 08.0	1.9		
			PMZ	$m_B=5.5$	5.0	1.20					S	02 54 57.0	-0.9		
			LN	$M_S=5.1$	10.0	2.60					LE	$M_S=4.8$	14.0	1.10	
QZH	20.1	265	+P	02 48 33.0	-1.2			GYA	30.3	275	eP	02 50 08.6	-2.5		
			PMZ	$m_B=5.5$	8.0	1.80					S	02 55 10.0	3.5		
			S	02 52 09.0	-3.7						LN	$M_S=4.8$	12.0	0.20	
			LN	$M_S=4.6$	10.0	0.79					LE		12.0	0.80	
TIA	21.4	297	eP	02 48 47.7	-0.2			CD2	32.2	284	eP	02 50 27.1	-0.6		
			PMZ	$m_B=5.5$	6.0	1.46					eS	02 55 32.0	-5.3		
			ePP	02 49 11.5	-0.3						LN	$M_S=5.3$	10.0	1.80	
			eS	02 52 34.8	-4.0			GTA	35.4	299	eP	02 50 56.1	-0.1		
			SMN	$m_B=5.6$	7.5	1.30					S	02 56 29.5	2.2		
			SME		7.5	0.90		WMQ	44.8	305	eP	02 52 14.0	0.5		
			LE	$M_S=4.7$	9.5	0.90					S	02 58 50.0	2.9		
WHN	23.1	282	eP	02 49 04.5	0.2						LE	$M_S=5.2$	15.0	1.40	
			PMZ	$m_B=5.7$	6.0	1.90		KSH	53.8	300	P	02 53 28.0	4.8		
			eS	02 53 04.0	-5.0										
			sS	02 53 24.0	0.2										
			LE	$M_S=4.8$	10.0	1.10									
BJI	23.3	306	eP	02 49 07.0	0.0										
			eS	02 53 08.0	-5.8										
			esS	02 53 24.0	-4.6										
			PMZ	$m_B=5.0$	8.0	0.50									
			LN	$M_S=4.8$	11.5	1.30									
GZH	25.2	264	P	02 49 24.0	-1.0										
			S	02 53 39.0	-6.1										
			SMN	$m_B=5.7$	10.0	0.90									
			SME		9.0	1.70									
TIY	25.4	299	eP	02 49 24.0	-3.1										
			S	02 53 58.5	10.0										
			LE	$M_S=4.6$	10.0	0.60									

1985 9 11

O = 03 07 30.5 ± 0.15s
 LAT = 52.79 N ± 2.58km
 LONG = 152.68 E ± 2.25km
 DEPTH = 538 km ± 0.37km
 STATIONS USED = 76, STAND DEV = 1.24s

MDJ	17.2	251	iP	03 11 03.0	1.0		
CN2	20.1	254	-iP	03 11 28.4	-1.0		
			sP	03 13 39.0	-6.8		
SNY	22.4	252	-iP	03 11 50.5	0.0		
DL2	25.5	249	P	03 12 17.3	-0.4		
BJI	27.9	258	eP	03 12 38.0	-1.1		
TIA	29.9	251	-P	03 12 56.2	-0.3		
HHC	30.2	263	+P	03 12 58.5	-0.2		

BTO	31.2	264	eP	03 13 08.0	0.1
SSE	31.5	239	+P	03 13 10.4	0.3
			PMZ		1.0 0.030
TIY	31.6	258	-P	03 13 11.2	0.0
			PMZ		0.8 1.50
NJ2	32.0	243	-P	03 13 14.0	-0.3
WHN	35.6	247	-P	03 13 44.0	-0.7
XAN	36.2	256	-iP	03 13 49.0	-0.5
LZH	37.8	264	-iP	03 14 04.0	1.0
			PMZ		1.0 0.20
GTA	38.2	271	iP	03 14 06.6	1.2
CD2	41.5	258	-iP	03 14 32.8	0.5
			PMZ		0.6 0.10
WMQ	42.8	285	+iP	03 14 43.7	1.2
			PMZ		1.0 0.90
			pP	03 16 21.2	1.7
			S	03 20 30.0	2.2
			SMN		2.0 0.10
GYA	43.1	251	-P	03 14 45.0	-0.1
			PP	03 16 34.0	-1.1
			S	03 20 30.0	-2.4
KMI	46.4	253	-P	03 15 10.5	-0.2
			pP	03 16 54.0	4.5

1985 9 11

O = 05 09 32.8 ± 0.06s
 LAT = 16.57 S ± 1.13km
 LONG = 176.01 E ± 1.09km
 DEPTH = 37 km ± 0.34km

STATIONS USED = 12, STAND DEV = 1.62s

CN2	75.8	325	eP	05 21 17.2	-0.3
TIY	80.5	314	eP	05 21 43.6	0.2
XAN	81.3	309	eP	05 21 47.7	0.2

1985 9 11

O = 08 37 35.6 ± 0.15s
 LAT = 11.15 S ± 2.57km
 LONG = 112.22 E ± 4.86km
 DEPTH = 33 km ± 0.17km

STATIONS USED = 27, STAND DEV = 2.52s

KMI	37.2	346	eP	08 44 47.5	1.1
GYA	37.8	352	P	08 44 55.6	4.7
CD2	42.6	349	eP	08 45 30.3	-0.5
SSE	42.9	11	eP	08 45 33.6	0.6
			sP	08 45 42.0	-4.3
XAN	45.0	356	eP	08 45 48.0	-2.6
BJI	51.1	4	eP	08 46 35.0	-2.3
GTA	51.6	348	P	08 46 40.8	-0.8
CN2	56.0	12	P	08 47 19.8	6.0
WMQ	59.1	339	eP	08 47 35.0	-0.8

1985 9 11

O = 08 57 44.7 ± 0.09s
 LAT = 8.02 S ± 1.54km
 LONG = 108.87 E ± 1.59km
 DEPTH = 96 km ± 0.08km

STATIONS USED = 33, STAND DEV = 1.22s

GYA	34.3	356	P	09 04 26.2	1.6
CD2	39.0	353	eP	09 05 04.5	0.7
NJ2	41.0	13	+P	09 05 21.6	1.7
XAN	41.8	0	P	09 05 27.7	0.7
TIA	44.7	10	eP	09 05 49.6	-0.4
TIY	45.6	4	P	09 05 58.0	0.4
GTA	47.9	351	iP	09 06 16.9	1.0
BJI	48.3	8	eP	09 06 18.5	0.0
SNY	51.4	14	-iP	09 06 41.0	-1.3
CN2	53.7	15	+P	09 06 57.6	-2.0
WMQ	55.1	341	+P	09 07 09.0	-0.4

1985 9 11

O = 10 22 15.7 ± 0.21s
 LAT = 28.18 N ± 3.19km
 LONG = 140.66 E ± 3.64km
 DEPTH = 26 km ± 0.94km

STATIONS USED = 46, STAND DEV = 3.01s

M_s = 4.8 / 25, m_B = 5.5 / 16

SSE	17.2	284	eP	10 26 17.0	1.3
			LN	M _s = 4.8	10.0 1.40
			LE		10.0 0.90
MDJ	18.6	335	eP	10 26 33.0	-0.9
			eS	10 30 00.0	2.2
DL2	19.1	309	eP	10 26 38.0	-1.4
			i	10 30 17.5	
			SMN	m _B = 5.7	8.0 1.70
			SME		7.0 1.70
NJ2	19.2	287	-P	10 26 40.0	-1.1
			PMZ	m _B = 5.4	4.0 0.70
			i	10 30 21.0	
			LN	M _s = 4.8	15.0 2.30
SNY	19.5	319	eP	10 26 44.0	0.4
			sP	10 26 53.0	-1.7
			i	10 30 22.0	
			LN	M _s = 5.0	11.0 1.80
			LE		11.0 1.80
CN2	19.8	326	+P	10 26 48.5	1.1
			PMZ	m _B = 5.1	4.0 0.40
			eS P	10 26 58.0	-0.7
			i	10 30 36.0	
			LN	M _s = 5.0	10.0 2.30
QZH	20.0	266	eP	10 26 45.0	-4.4

GTA	97.2	309	iP	18 01 02.9	0.2
KSH	115.4	307	PKP	18 06 13.0	1.9

1985 9 11

O=20 26 48.5 ± 0.06s
 LAT= 2.04 S ± 0.87km
 LONG=138.97 E ± 1.32km
 DEPTH= 32 km ± 0.08km
 STATIONS USED = 53, STAND DEV = 0.89s
 Ms=5.1/ 1,

QZN	35.5	307	eP	20 33 43.4	-0.9
			LN	Ms=5.1	12.0 1.10
			LE		12.0 0.80
SSE	37.0	334	+P	20 33 57.5	0.0
			PMZ		1.0 0.050
NJ2	38.9	332	+iP	20 34 13.8	0.7
GYA	42.1	314	+P	20 34 41.2	1.2
TIA	43.2	334	eP	20 34 47.3	-1.0
DL2	43.8	340	eP	20 34 53.5	0.4
KMI	44.3	310	+P	20 34 58.5	0.9
XAN	45.7	324	-P	20 35 08.0	-0.6
SNY	45.8	344	eP	20 35 09.0	-0.8
BJI	46.8	336	eP	20 35 16.0	-1.2
CD2	46.9	317	eP	20 35 18.6	0.7
MDJ	47.2	351	iP	20 35 21.0	0.6
CN2	47.2	347	-P	20 35 19.5	-1.1
BTO	50.0	331	eP	20 35 42.0	-0.2
LZH	50.1	323	-P	20 35 43.5	0.3
GTA	54.7	323	iP	20 36 17.3	-0.1
LSA	55.5	309	eP	20 36 22.6	-1.0
WMQ	64.6	321	eP	20 37 25.8	-0.1

1985 9 11

O=20 45 50.2 ± 0.07s
 LAT=39.36 N ± 1.60km
 LONG= 75.38 E ± 1.41km
 DEPTH= 26 km ± 0.46km
 STATIONS USED =100, STAND DEV = 1.52s
 Ms=6.6/ 40, m_B=6.1/ 15

KSH	0.5	78	iPg	20 45 58.8	-0.9
			Sg	20 46 04.1	-2.7
WMQ	10.2	60	eP	20 48 17.0	-2.0
			LG ₂	20 51 21.0	-7.2
			LN	Ms=6.5	8.0 170
LSA	16.2	122	P	20 49 38.1	0.2
GTA	18.9	82	iP	20 50 10.6	-0.9
LZH	22.7	89	+iP	20 50 52.8	1.1
			PMZ		2.5 2.10
			pP	20 50 58.0	-1.2
			PcP	20 54 50.0	6.0

			S	20 54 56.0	2.8
			sS	20 55 06.0	-0.5
			SMN	m _B =6.5	10.0 14.8
			LN	Ms=6.9	16.0 200
			LE		15.0 90.7
CD2	24.6	101	eP	20 51 12.2	2.1
			iS	20 55 36.0	8.7
			LE	Ms=6.6	10.0 66.6
BTO	26.5	76	+P	20 51 28.5	0.8
			PP	20 52 09.0	-1.3
			S	20 55 57.0	-0.3
			SMN	m _B =6.7	11.0 9.70
			SME		11.0 17.8
			LN	Ms=6.7	13.0 82.6
			LE		13.0 35.4
KMI	27.0	113	+P	20 51 33.0	0.2
			PMZ	m _B =5.7	4.0 0.70
			pP	20 51 44.0	3.6
			eS	20 56 07.0	-0.4
			sS	20 56 24.0	3.9
			SS	20 57 24.0	3.4
XAN	27.3	91	+P	20 51 35.0	-0.3
			eS	20 56 07.0	-4.9
			sS	20 56 22.0	-2.8
			LN	Ms=6.8	15.0 124
HHC	27.6	75	P	20 51 38.0	0.0
			PP	20 52 34.0	8.4
			LN	Ms=6.7	11.0 68.7
			LE		11.0 36.4
TIY	28.9	81	P	20 51 50.0	0.3
			LN	Ms=6.7	10.0 60.8
			LE		9.0 19.3
GYA	29.1	107	-P	20 51 52.0	0.6
			S	20 56 46.0	6.6
			LN	Ms=6.6	13.0 52.6
			LE		13.0 42.0
BJI	31.2	76	eP	20 52 10.0	0.0
			eS	20 57 18.0	4.4
			eSS	20 58 56.0	-3.1
			SMN	m _B =5.7	10.0 1.60
			SME		11.0 0.70
			LN	Ms=6.7	14.0 79.1
WHN	32.9	93	P	20 52 25.0	0.0
			eS	20 57 38.6	-1.9
			SMN	m _B =6.1	8.0 3.30
			LN	Ms=6.6	12.0 48.5
TIA	32.9	82	P	20 52 25.6	0.4
			eS	20 57 48.5	7.8
			SMN	m _B =5.8	9.0 1.20
			SME		10.0 1.50

LZH	27.2	328	+iP	22 12 43.5	0.1		
			PMZ			1.0	0.30
			eS	22 17 11.0	0.0		
SNY	28.2	4	eP	22 12 46.8	-5.5		
HHC	28.4	345	eP	22 12 54.2	0.2		
BTO	28.6	342	eP	22 12 54.9	-0.8		
CN2	30.3	6	eP	22 13 10.6	-0.6		
GTA	31.8	328	iP	22 13 24.4	0.2		
			PcP	22 16 13.0	1.6		
			ScP	22 19 44.7	4.1		
LSA	31.9	305	eP	22 13 25.1	-0.6		
WMQ	41.5	323	eP	22 14 46.0	0.5		

1985 9 11

O=23 04 56.2 ± 0.16s
 LAT=39.43 N ± 3.10km
 LONG= 75.35 E ± 0.63km
 DEPTH= 23 km ± 2.60km
 STATIONS USED = 18, STAND DEV= 3.52s
 Ms=4.2/ 1, ML=4.5/ 3,

KSH	0.5	87	iPg	23 05 04.2	-1.5		
			Sg	23 05 11.5	-1.3		
WMQ	10.2	61	eP	23 07 22.2	-2.8		
			S	23 09 20.5	0.8		
			LG ₂	23 10 26.0	-7.7		
			LN			2.0	0.20
GTA	18.9	82	eP	23 09 16.4	-1.6		
LZH	22.7	89	eP	23 10 02.5	4.3		
CD2	24.7	101	eP	23 10 18.6	1.8		
XAN	27.3	91	eP	23 10 36.0	-5.8		

1985 9 12

O=12 53 02.2 ± 0.07s
 LAT=45.41 S ± 0.85km
 LONG=167.41 E ± 0.85km
 DEPTH= 86 km ± 0.37km
 STATIONS USED = 13, STAND DEV= 1.16s

NJ2	88.8	320	+P	13 05 49.1	0.6		
WHN	89.6	316	eP	13 05 53.4	0.9		

1985 9 12

O=17 07 22.6 ± 0.19s
 LAT=28.09 N ± 1.01km
 LONG=140.36 E ± 2.04km
 DEPTH= 34 km ± 0.45km
 STATIONS USED = 9, STAND DEV= 1.60s

TIA	21.2	298	P	17 12 08.5	0.2		
WHN	22.8	282	eP	17 12 25.6	1.9		
TIY	25.3	299	eP	17 12 47.2	-0.5		
XAN	27.5	290	eP	17 13 07.0	-1.5		

GTA	35.3	299	P	17 14 15.3	-1.7		
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1985 9 12
 O=20 05 55.3 ± 0.14s
 LAT=39.30 N ± 1.75km
 LONG= 75.00 E ± 0.54km
 DEPTH= 11 km ± 1.51km
 STATIONS USED = 9, STAND DEV= 3.38s
 M_L=4.2/ 3,

KSH	0.8	78	+iPg	20 06 08.2	-1.1		
			Sg	20 06 17.7	-2.1		
			SME			M _L =3.7	0.5 2.63
WMQ	10.5	60	eP	20 08 29.2	-0.4		
			LG ₂	20 11 34.5	-8.3		
GTA	19.2	82	eP	20 10 22.1	0.1		

1985 9 12

O=20 28 43.4 ± 0.16s
 LAT=28.30 N ± 1.90km
 LONG=140.79 E ± 2.47km
 DEPTH= 34 km ± 0.23km
 STATIONS USED = 60, STAND DEV= 1.77s
 Ms=4.8/ 23, m_B=5.7/ 27

SSE	17.3	284	+P	20 32 45.0	1.3		
			PMZ			m _B =5.5	7.0 1.80
			SS	20 36 20.0	6.0		
			LN			M _s =4.8	12.0 1.80
			LE				12.0 0.90
MDJ	18.6	334	eP	20 32 58.0	-2.1		
			eS	20 36 18.0	-5.0		
			LE			M _s =4.7	11.0 1.49
DL2	19.1	309	+P	20 33 06.0	-0.5		
			eS	20 36 35.0	0.1		
			SMN			m _B =5.8	10.0 1.40
			SME				8.0 2.70
			sS	20 36 50.0	2.8		
			LN			M _s =4.6	8.0 0.80
NJ2	19.3	287	-P	20 33 09.0	0.2		
			PMZ			m _B =5.5	9.0 2.40
			eS	20 36 43.0	3.3		
SNY	19.5	318	-P	20 33 08.0	-2.3		
			PMZ			m _B =5.3	5.0 0.80
			S	20 36 40.0	-2.0		
			SMN			m _B =5.5	10.0 1.30
			SME				9.5 1.30
			LN			M _s =4.9	12.5 1.10
			LE				11.0 1.80
CN2	19.8	326	eP	20 33 09.0	-4.8		
			PMZ			m _B =5.2	6.0 0.80
			eS	20 36 42.0	-7.8		

			SMN	$m_B = 5.5$	9.0	1.00	GYA	30.3	275	+P	20 34 56.0	1.6
			SME		9.0	1.20				PP	20 36 00.0	6.7
			LN	$M_S = 5.0$	11.0	2.20				S	20 39 47.0	-3.2
QZH	20.1	266	+P	20 33 18.0	0.5					LN	$M_S = 4.9$	12.0 0.90
			S	20 36 55.0	-1.4					LE		12.0 0.70
			LN	$M_S = 4.7$	8.0	0.60	LZH	32.1	294	eP	20 35 09.0	-1.0
			LE		8.0	0.60				PMZ	$m_B = 5.8$	6.0 1.00
TIA	21.5	298	eP	20 33 29.9	-1.6					PP	20 36 19.0	2.7
			PMZ	$m_B = 5.7$	6.0	2.20				sS	20 40 33.0	-1.3
			S	20 37 29.0	6.7					LE	$M_S = 4.8$	11.0 0.70
			SMN	$m_B = 5.4$	11.0	0.40	CD2	32.2	284	eP	20 35 09.1	-2.0
			SME		11.0	1.40				eS	20 40 15.0	-6.1
			LE	$M_S = 4.6$	11.0	0.80				LN	$M_S = 5.1$	10.0 1.20
WHN	23.1	282	eP	20 33 48.0	0.2		KMI	34.0	274	+P	20 35 28.0	0.8
			PMZ	$m_B = 6.0$	6.0	3.80				PP	20 36 44.0	3.1
			SME	$m_B = 6.0$	10.0	5.10				eS	20 40 54.0	4.0
			LN	$M_S = 5.0$	10.0	1.60				LN	$M_S = 4.6$	10.0 0.40
BJI	23.4	306	eP	20 33 49.5	-1.1		GTA	35.5	299	eP	20 35 34.8	-4.9
			(S)	20 38 05.0	7.0					S	20 41 07.0	-4.3
			SMN	$m_B = 5.9$	8.0	1.90	LSA	43.2	284	eP	20 36 44.5	0.8
			SME		11.0	3.10	WMQ	44.9	305	eP	20 36 54.0	-3.0
GZH	25.2	264	P	20 34 09.0	0.7					PMZ	$m_B = 5.8$	6.0 0.80
			PMZ	$m_B = 5.8$	7.0	1.70				PP	20 38 40.0	-2.7
			SMN	$m_B = 5.7$	10.0	0.90				S	20 43 39.0	7.9
			SME		10.0	2.10	KSH	53.9	300	eP	20 38 08.0	1.4
TIY	25.5	299	eP	20 34 11.0	0.3		1985 9 13					
			PMZ	$m_B = 5.9$	6.0	2.00	O = 05 33 07.6 ± 0.10s					
			S	20 38 23.0	-9.6		LAT = 29.73 N ± 1.42km					
			sS	20 38 53.5	5.1		LONG = 84.04 E ± 1.27km					
			LE	$M_S = 4.8$	10.0	0.90	DEPTH = 32 km ± 0.12km					
HHC	27.0	305	eP	20 34 24.0	-0.7		STATIONS USED = 23, STAND DEV = 2.11s					
			S	20 38 55.0	-2.3		$M_S = 4.2 / 1,$					
			SMN	$m_B = 5.7$	10.0	0.66	GTA	16.2	49	iP	05 36 57.7	3.3
			SME		10.0	1.70	CD2	17.1	81	eP	05 37 07.0	1.3
			LN	$M_S = 5.0$	10.0	0.88				S	05 40 16.0	3.4
			LE		10.0	0.89	KMI	17.2	101	eP	05 37 06.0	-1.8
XAN	27.8	290	eP	20 34 30.0	-1.9		GYA	20.2	94	P	05 37 41.6	-1.4
			PMZ	$m_B = 5.7$	7.0	1.10	XAN	21.5	72	eP	05 37 55.8	-0.7
			eS	20 39 16.5	5.4		BTO	23.8	56	eP	05 38 19.0	0.5
			SME		13.0	1.40				eS	05 42 33.0	4.0
BTO	28.0	304	+iP	20 34 34.0	-0.2		CN2	35.6	55	-P	05 40 05.0	0.0
			ePP	20 35 22.0	-1.9		1985 9 13					
			eS	20 39 15.0	-0.2		O = 07 16 21.3 ± 0.14s					
			LN	$M_S = 4.8$	12.0	0.50	LAT = 25.72 N ± 1.32km					
			LE		12.0	0.70	LONG = 96.68 E ± 0.78km					
QZN	29.7	259	P	20 34 52.0	2.8		DEPTH = 23 km ± 1.46km					
			pP	20 35 05.0	6.5		STATIONS USED = 5, STAND DEV = 2.97s					
			PP	20 35 45.5	-0.4		$M_L = 3.6 / 1,$					
			S	20 39 45.0	3.7							
			SMN	$m_B = 5.3$	11.0	0.80						

KMI	5.5	95	ePg	07 17 57.5	-1.5		
TIA	20.4	54	eP	07 20 57.5	-2.0		
1985 9 13							
O = 10 49 06.1				± 0.07s			
LAT = 26.86 N				± 0.55km			
LONG = 104.16 E				± 0.57km			
DEPTH = 10 km				± 0.03km			
STATIONS USED = 5, STAND DEV = 3.16s							
M _L = 2.7 / 4,							
KMI	2.2	217	ePg	10 49 45.0	0.6		
GYA	2.3	100	Pg	10 49 45.2	-1.3		
			Sg	10 50 16.4	-1.0		
			SMN	M _L = 2.9	0.8	0.10	
			SME		0.8	0.070	
CD2	4.1	355	ePg	10 50 19.3	1.5		
			Sg	10 51 12.9	-0.1		
			SMN	M _L = 2.9	0.7	0.030	
			SME		0.7	0.020	
1985 9 13							
O = 11 13 29.4				± 0.10s			
LAT = 39.20 N				± 1.41km			
LONG = 75.05 E				± 0.98km			
DEPTH = 6 km				± 0.52km			
STATIONS USED = 13, STAND DEV = 4.43s							
M _L = 4.2 / 3,							
KSH	0.8	70	+iPg	11 13 39.9	-3.3		
			Sg	11 13 46.6	-6.9		
WMQ	10.5	60	eP	11 16 01.6	-2.9		
			S	11 17 57.8	-5.8		
			LN		2.5	0.20	
GTA	19.2	81	P	11 17 54.9	-1.5		
1985 9 13							
O = 12 53 33.9				± 0.11s			
LAT = 37.35 N				± 3.03km			
LONG = 142.08 E				± 2.88km			
DEPTH = 51 km				± 1.38km			
STATIONS USED = 35, STAND DEV = 2.41s							
M _s = 5.0 / 1, m _B = 5.7 / 2							
CN2	14.2	302	eP	12 56 57.6	3.9		
NJ2	19.8	261	eP	12 58 00.0	-3.0		
TIA	20.0	274	eP	12 58 02.8	-2.5		
BJI	20.4	286	eP	12 58 04.5	-4.6		
TIY	23.5	280	P	12 58 40.5	0.4		
WHN	23.9	262	P	12 58 44.8	0.4		
			LN	M _s = 5.0	10.0	1.60	
XAN	27.1	273	eP	12 59 12.0	-1.9		
GZH	28.5	248	P	12 59 28.0	1.3		

			PMZ	m _B = 5.7	7.0	1.10	
			SMN	m _B = 5.7	11.0	0.80	
			SME		10.0	1.70	
GYA	31.8	260	+P	12 59 55.0	-1.3		
CD2	32.2	270	eP	12 59 57.0	-2.8		
GTA	33.0	287	P	13 00 04.8	-1.8		
WMQ	41.2	297	eP	13 01 15.5	-0.1		
1985 9 13							
O = 13 21 19.3				± 0.09s			
LAT = 39.20 N				± 1.29km			
LONG = 75.42 E				± 1.25km			
DEPTH = 22 km				± 0.42km			
STATIONS USED = 23, STAND DEV = 3.75s							
M _L = 4.1 / 5,							
KSH	0.5	59	+iPg	13 21 28.6	-0.5		
			Sg	13 21 35.0	-1.3		
			SME	M _L = 3.6	0.5	3.16	
WMQ	10.3	59	eP	13 23 51.4	2.1		
			S	13 25 50.5	5.7		
			LG ₂	13 26 55.8	-3.3		
GTA	18.9	82	eP	13 25 40.2	-0.9		
CD2	24.6	101	eP	13 26 46.3	7.1		
1985 9 13							
O = 14 02 07.2				± 0.22s			
LAT = 28.35 N				± 2.60km			
LONG = 140.97 E				± 4.63km			
DEPTH = 66 km				± 1.82km			
STATIONS USED = 55, STAND DEV = 2.46s							
M _s = 4.9 / 25, m _B = 5.5 / 19							
SSE	17.4	284	P	14 06 06.0	-1.2		
			PMZ	m _B = 5.5	6.0	1.30	
			eS	14 09 12.0	-4.8		
			SS	14 09 32.0	-7.6		
			LN	M _s = 5.0	11.0	3.20	
			LE		11.0	1.10	
DL2	19.2	308	P	14 06 29.0	0.4		
			S	14 09 49.0	-7.3		
			LN	M _s = 4.8	11.0	1.30	
			LE		11.0	0.90	
NJ2	19.5	286	-P	14 06 31.5	0.1		
			PMZ	m _B = 5.4	7.0	1.50	
			eS	14 10 03.0	0.5		
SNY	19.5	318	eP	14 06 32.4	0.3		
			PMZ	m _B = 5.2	10.0	1.30	
			eS	14 10 04.0	0.0		
			LN	M _s = 5.0	12.0	1.50	
			LE		12.0	2.10	
CN2	19.8	325	-P	14 06 35.0	-0.3		

			LN	$M_s = 5.0$	11.0	2.20	GTA	35.6	299	P	14 09 00.0	-1.2			
QZH	20.3	266	-P	14 06 40.0	-0.1					cPP	14 10 19.9	-2.0			
			S	14 10 17.0	-1.7		WMQ	45.0	305	cP	14 10 18.0	-0.2			
TIA	21.6	297	cP	14 06 51.0	-2.5					PP	14 12 04.0	-0.3			
			PMZ	$m_B = 5.5$	6.5	1.50				S	14 16 59.5	9.2			
			SME	$m_B = 5.3$	11.0	0.97				sS	14 17 17.0	-2.2			
			LN	$M_s = 4.5$	10.0	0.10				LN	$M_s = 4.9$	10.0	0.50		
			LE		10.0	0.60	KSH	54.0	300	cP	14 11 29.0	1.3			
WHN	23.3	282	cP	14 07 11.3	1.4										
			cS	14 11 08.0	-5.8										
			SME	$m_B = 5.9$	10.0	3.30									
			LN	$M_s = 5.0$	10.0	1.60									
BJI	23.5	306	cP	14 07 13.0	0.8										
			cS	14 11 15.0	-3.0										
			SMN	$m_B = 5.8$	9.0	1.20									
			SME		11.0	1.90									
GZH	25.4	264	P	14 07 34.0	3.5		KSH	0.6	69	+iPg	17 32 16.3	1.3			
TIY	25.6	299	P	14 07 31.1	-1.3					Sg	17 32 24.3	1.5			
			LN	$M_s = 4.7$	11.0	0.50				SMN	$M_L = 4.0$	1.0	6.93		
			LE		10.5	0.50	WMQ	10.4	60	cP	17 34 34.0	-2.6			
HHC	27.1	305	P	14 07 46.0	-0.2					S	17 36 31.0	-2.5			
			SMN	$m_B = 5.5$	10.0	1.15				LG ₁	17 37 25.0	-5.0			
			SME		10.0	0.44				LN		2.0	0.030		
			LE	$M_s = 4.8$	11.0	0.89	GTA	19.0	82	cP	17 36 28.3	-0.6			
XAN	27.9	290	cP	14 07 51.0	-2.7										
			PMZ	$m_B = 5.5$	7.0	0.70									
			cS	14 12 33.0	1.5										
			SME		13.0	1.10									
BTO	28.1	304	cP	14 07 55.0	-0.7										
			PMZ	$m_B = 5.7$	7.0	1.10									
			cPP	14 08 50.0	2.3										
			SMN	$m_B = 5.3$	8.0	0.60									
			SME		8.0	0.30	QZH	3.0	292	iPn	17 47 35.5	0.0			
			LN	$M_s = 4.8$	13.0	0.60				Sn	17 48 09.5	-2.1			
			LE		13.0	0.90				SMN	$M_L = 3.8$	0.6	0.48		
QZN	29.9	259	cP	14 08 09.0	-2.3					SME		0.5	0.30		
			LN	$M_s = 4.8$	11.0	0.70				LN		3.0	2.20		
GYA	30.5	275	P	14 08 20.0	3.6					SME		3.0	1.80		
			S	14 13 18.0	7.3										
			LN	$M_s = 5.2$	12.0	1.70	GZH	7.6	266	cPn	17 48 45.0	5.2			
			LE		12.0	1.20				Sn	17 50 01.5	-6.1			
LZH	32.2	293	cP	14 08 34.0	2.3					LN		0.8	0.10		
			PP	14 09 41.0	1.2										
			LE	$M_s = 4.7$	9.0	0.50	NJ2	8.5	344	cP	17 48 53.1	-1.2			
CD2	32.3	284	cP	14 08 36.0	3.1		WHN	9.3	317	cP	17 49 02.8	-2.1			
			cS	14 13 44.0	2.6					QZN	12.0	248	cP	17 49 41.4	-0.6
			LN	$M_s = 5.2$	11.0	1.60				cS	17 51 47.3	-8.4			
KMI	34.2	274	cP	14 08 50.0	0.9		GYA	13.8	284	cP	17 50 13.0	6.8			
			cS	14 14 07.0	-3.4					S	17 52 44.4	5.7			
			LN	$M_s = 4.8$	10.0	0.60	XAN	15.0	315	cP	17 50 22.0	-0.3			
							BJI	16.8	345	P	17 50 44.0	-0.5			
							CD2	17.3	298	cP	17 50 55.3	3.6			



GTA	24.1	315	P	17 52 06.0	1.5		
1985 9 13							
O	= 18 34 20.4			± 0.08s			
LAT	= 23.98 N			± 1.20km			
LONG	= 122.58 E			± 1.22km			
DEPTH	= 31 km			± 0.45km			
STATIONS USED = 60, STAND DEV = 1.49s							
Ms=4.1/ 9, ML=4.4/ 9,							
QZH	3.8	286	iPn	18 35 16.9	0.2		
			Sn	18 35 57.3	-4.2		
			SMN	ML=5.0	0.5	2.80	
			SME		0.6	3.90	
			LN	Ms=3.6	10.0	1.30	
SSE	7.2	350	iP	18 36 05.8	-0.4		
			LG ₂	18 38 12.5	-5.3		
			SMN	ML=4.2	1.2	0.10	
			SME		1.2	0.10	
GZH	8.5	266	P	18 36 23.6	-1.1		
			S	18 37 51.0	-9.6		
			SMN	ML=4.5	0.8	0.10	
			SME		0.8	0.10	
NJ2	8.7	339	-P	18 36 26.3	-0.7		
			sP	18 36 37.3	-1.1		
			eS	18 38 02.0	-2.9		
			LN	Ms=4.1	12.0	1.20	
WHN	9.8	314	eP	18 36 42.3	-0.3		
			eS	18 38 31.0	-1.8		
			LN	Ms=4.1	12.0	0.99	
QZN	12.8	250	eP	18 37 25.0	1.3		
			eS	18 39 46.0	-0.5		
TIA	13.1	340	eP	18 37 26.0	-0.8		
GYA	14.6	283	P	18 37 47.6	0.4		
			S	18 40 36.0	7.5		
			SMN		1.4	0.090	
XAN	15.6	313	eP	18 37 59.0	-0.7		
			pP	18 38 05.3	-1.3		
			LN	Ms=3.9	12.0	0.30	
TIY	16.2	330	eP	18 38 11.0	3.2		
			LN	Ms=4.6	13.0	1.30	
			LE		13.0	0.60	
BJI	16.9	343	eP	18 38 18.0	1.6		
SNY	17.8	2	-iP	18 38 30.0	2.1		
CD2	18.1	297	-iP	18 38 31.5	0.5		
			eS	18 41 55.0	6.1		
HHC	19.2	334	eP	18 38 45.8	1.1		
BTO	19.6	330	eP	18 38 49.6	-0.1		
			eS	18 42 21.0	-3.6		
			LN	Ms=5.2	4.0	1.10	
			LE		4.0	0.70	

CN2	19.9	6	eP	18 38 51.0	-1.6		
			eS	18 42 24.0	-6.1		
			LN	Ms=4.5	11.0	0.80	
LZH	20.2	311	eP	18 38 56.0	0.5		
			LE	Ms=4.2	16.0	0.60	
GTA	24.6	314	P	18 39 40.2	0.3		
WMQ	34.7	313	P	18 41 10.0	-0.2		
1985 9 13							
O	= 20 33 27.4			± 0.11s			
LAT	= 6.49 S			± 1.74km			
LONG	= 149.72 E			± 1.75km			
DEPTH	= 22 km			± 0.13km			
STATIONS USED = 19, STAND DEV = 2.30s							
XAN	55.8	319	eP	20 43 03.4	-2.4		
CD2	57.6	313	P	20 43 16.5	-1.9		
1985 9 13							
O	= 21 35 33.2			± 0.16s			
LAT	= 8.08 N			± 2.52km			
LONG	= 93.21 E			± 1.79km			
DEPTH	= 33 km			± 0.17km			
STATIONS USED = 48, STAND DEV = 1.81s							
Ms=4.7/ 1,							
QZN	19.5	54	eP	21 40 04.5	4.2		
			eS	21 43 37.0	4.1		
			LN	Ms=4.7	14.0	1.60	
LSA	21.6	355	P	21 40 21.9	-1.0		
GYA	22.3	33	eP	21 40 29.6	-0.1		
			S	21 44 30.0	2.5		
CD2	24.8	22	eP	21 40 53.8	0.2		
			eS	21 45 09.8	-1.5		
LZH	29.5	18	eP	21 41 36.0	-1.3		
XAN	29.6	27	eP	21 41 35.4	-2.6		
GTA	31.8	10	P	21 41 56.2	-0.9		
NJ2	33.7	41	-P	21 42 14.5	0.5		
TIY	34.3	28	eP	21 42 18.8	0.1		
KSH	34.9	336	eP	21 42 23.0	-0.9		
BTO	35.7	22	eP	21 42 30.0	-0.9		
WMQ	35.9	353	P	21 42 32.5	-0.5		
HHC	36.5	24	eP	21 42 38.0	0.2		
BJI	37.9	29	eP	21 42 50.0	0.8		
SNY	43.0	34	eP	21 43 30.4	-1.3		
CN2	45.4	33	+P	21 43 49.6	-1.0		
1985 9 14							
O	= 02 24 10.3			± 0.44s			
LAT	= 29.16 N			± 4.19km			
LONG	= 130.87 E			± 3.37km			
DEPTH	= 63 km						

STATIONS USED = 29, STAND DEV = 3.33s						
Ms = 4.2 / 5,						
SSE	8.6	285	eP	02 26 13.0	-1.8	
			eS	02 27 47.0	-3.0	
			LE			Ms = 3.7 20.0 0.98
CN2	15.2	345	+P	02 27 46.6	3.2	
			LN			Ms = 4.2 10.0 0.50
BJI	16.2	316	eP	02 27 56.5	0.6	
TIY	17.6	304	eP	02 28 12.8	0.0	
			eS	02 31 31.0	7.5	
			LN			Ms = 4.2 12.0 0.40
			LE			13.0 0.30
XAN	19.3	290	eP	02 28 31.3	-1.9	
HHC	19.6	312	eP	02 28 36.4	-0.1	
BTO	20.5	309	eP	02 28 46.0	-0.1	
			eS	02 32 24.0	-2.8	
			LN			Ms = 4.2 14.0 0.30
			LE			14.0 0.30
GYA	21.6	269	P	02 28 58.0	1.2	
CD2	23.5	281	eP	02 29 15.3	-0.5	
LZH	23.7	294	eP	02 29 21.0	2.9	
GTA	27.5	300	P	02 29 50.3	-3.1	

1985 9 14

O = 04 03 03.7 ± 0.05s

LAT = 33.08 N ± 0.37km

LONG = 109.71 E ± 0.71km

DEPTH = 10 km ± 0.07km

STATIONS USED = 15, STAND DEV = 2.83s

M_L = 3.5 / 7,

XAN	1.2	326	Pg	04 08 24.6	0.3	
			Sg	04 08 40.4	0.4	
WHN	4.7	121	ePn	04 09 12.0	-3.0	
			Pg	04 09 25.8	-0.7	
			eSn	04 10 07.3	-4.3	
			Sg	04 10 25.0	-5.7	
TIY	5.1	25	ePg	04 09 27.8	-6.6	
			Sg	04 10 42.3	-2.0	
			SMN			M _L = 3.4 0.6 0.040
			SME			0.9 0.040
CD2	5.5	248	Pn	04 09 26.3	0.2	
			Sn	04 10 28.6	-3.0	
LZH	5.7	303	eP	04 09 32.0	1.2	
			S	04 10 36.0	-0.5	
			SMN			M _L = 4.0 1.5 0.14
			SME			1.0 0.12
GYA	7.1	203	Pn	04 09 50.8	2.4	

1985 9 14

O = 08 00 13.4 ± 0.16s

LAT = 28.49 N ± 2.44km						
LONG = 140.63 E ± 2.58km						
DEPTH = 35 km ± 0.42km						
STATIONS USED = 65, STAND DEV = 2.11s						
Ms = 4.9 / 20, m _B = 5.7 / 15						
SSE	17.1	283	P	08 04 11.0	-0.3	
			PMZ			m _B = 5.4 10.0 1.90
			eS	08 07 10.0	-8.8	
			sS	08 07 32.0	1.0	
			LN			Ms = 4.7 10.0 1.10
			LE			10.0 0.90
MDJ	18.3	334	eP	08 04 28.0	0.8	
			eS	08 07 40.0	-7.6	
			LN			Ms = 4.5 14.0 1.00
DL2	18.9	308	P	08 04 34.4	0.7	
			LN			Ms = 4.8 10.0 1.70
NJ2	19.1	286	+P	08 04 37.5	0.8	
			PMZ			m _B = 5.6 7.0 2.20
SNY	19.2	318	-P	08 04 35.0	-2.7	
			i	08 07 53.0		
			LE			Ms = 4.9 10.0 1.80
CN2	19.5	325	eP	08 04 37.0	-4.1	
			LN			Ms = 5.0 10.0 2.40
QZH	20.0	265	eP	08 04 43.0	-3.1	
			S	08 08 16.0	-7.6	
WHN	22.9	282	eP	08 05 14.5	-1.4	
			eS	08 09 18.0	-1.6	
			SMN			m _B = 5.7 7.0 1.40
			SME			10.0 1.70
			esS	08 09 34.0	-0.6	
			LN			Ms = 4.7 12.0 1.10
GZH	25.1	264	P	08 05 38.0	1.0	
TIY	25.3	299	eP	08 05 37.0	-1.6	
			LN			Ms = 4.7 12.0 0.60
			LE			11.0 0.50
HHC	26.8	305	P	08 05 52.0	-0.5	
			S	08 10 14.0	-9.4	
			SME			m _B = 5.5 12.0 1.50
			LN			Ms = 4.9 11.0 0.97
			LE			12.0 0.50
XAN	27.6	290	eP	08 05 56.8	-3.2	
			PMZ			m _B = 5.5 7.0 0.66
			pP	08 06 04.0	-5.2	
			eS	08 10 35.0	-2.8	
			SME			13.0 0.86
			LN			Ms = 4.8 13.0 1.10
BTO	27.8	304	P	08 06 01.0	-1.1	
			ePP	08 06 53.0	2.1	
			S	08 10 30.5	-9.9	
			LN			Ms = 4.7 13.0 0.40

			LE		13.0	0.80
QZN	29.6	258	cP	08 06 18.5	0.3	
			PP	08 07 23.5	9.0	
			S	08 11 02.5	-6.9	
			LN	Ms=4.8	11.0	0.50
			LE		9.0	0.50
GYA	30.1	274	P	08 06 21.8	-1.1	
			S	08 11 08.0	-9.5	
			LN	Ms=5.1	12.0	1.30
			LE		12.0	0.80
LZH	31.9	293	cP	08 06 36.0	-2.2	
			PP	08 07 45.0	1.5	
			LE	Ms=4.9	9.0	0.70
CD2	32.0	283	cP	08 06 37.8	-1.7	
			LN	Ms=5.2	10.0	1.50
KMI	33.9	273	+P	08 06 57.0	1.2	
			PP	08 08 17.5	8.6	
			eS	08 12 09.0	-8.4	
GTA	35.3	299	P	08 07 05.7	-2.1	
WMQ	44.6	305	cP	08 08 23.5	-1.6	
			PP	08 10 18.0	7.6	
			eS	08 15 00.0	1.1	
			LE	Ms=5.3	10.0	1.10
KSH	53.7	300	cP	08 09 39.0	4.1	

LONG = 120.06 E ± 1.47km
 DEPTH = 65 km ± 2.89km
 STATIONS USED = 7, STAND DEV = 3.62s
 M_L = 3.4 / 3,

QZH	4.0	340	cP	13 57 30.8	-1.7
			S	13 58 12.9	-5.3
GZH	6.5	288	cP	13 58 06.5	-1.1
			cS	13 59 14.6	-6.6
CD2	17.6	307	P	14 00 39.0	4.9

1985 9 14
 O = 10 01 11.9 ± 0.13s
 LAT = 1.62 N ± 1.71km
 LONG = 126.36 E ± 2.93km
 DEPTH = 61 km ± 0.23km
 STATIONS USED = 59, STAND DEV = 1.86s

QZN	23.7	318	cP	10 06 19.8	0.7
NJ2	31.1	348	+P	10 07 27.8	0.9
GYA	31.1	324	P	10 07 27.0	-0.3
KMI	32.6	318	cP	10 07 41.0	0.3
XAN	36.1	335	+P	10 08 09.4	-1.2
CD2	36.1	326	cP	10 08 10.0	-0.6
DL2	37.4	354	-P	10 08 22.0	1.3
BJI	39.3	348	cP	10 08 37.5	0.3
SNY	40.1	357	cP	10 08 44.3	0.8
LZH	40.1	331	+iP	10 08 44.0	-0.1
CN2	42.0	359	cP	10 08 59.3	0.1
MDJ	42.9	3	cP	10 09 07.6	1.0
LSA	43.6	313	cP	10 09 12.1	-0.4
GTA	44.7	331	cP	10 09 21.5	0.1
WMQ	54.2	326	cP	10 10 33.5	-0.9

1985 9 14
 O = 13 56 32.1 ± 0.35s
 LAT = 21.17 N ± 3.45km

1985 9 14
 O = 15 13 29.2 ± 0.22s
 LAT = 12.05 N ± 4.46km
 LONG = 146.10 E ± 9.69km
 DEPTH = 39 km ± 2.62km
 STATIONS USED = 15, STAND DEV = 4.41s
 Ms = 4.4 / 1,

BJI	38.4	322	P	15 20 46.5	-2.4
GYA	39.7	297	cP	15 21 00.6	0.5
XAN	40.3	309	cP	15 21 03.0	-1.8
CD2	43.3	302	cP	15 21 28.0	-1.7
GTA	49.1	312	P	15 22 14.2	-1.2
WMQ	59.1	314	cP	15 23 26.5	-2.0

1985 9 15
 O = 01 29 22.7 ± 0.13s
 LAT = 4.10 S ± 1.86km
 LONG = 136.22 E ± 2.20km
 DEPTH = 9 km ± 0.16km
 STATIONS USED = 88, STAND DEV = 1.61s
 Ms = 6.1 / 34, m_B = 6.1 / 25

QZH	33.6	330	cP	01 36 04.0	-1.5
			sP	01 36 21.0	7.3
			S	01 41 18.0	-8.1
			LE	Ms=5.9	17.0 12.1
QZN	34.7	312	cP	01 36 15.5	0.4
			pP	01 36 22.0	1.6
			sP	01 36 27.5	4.3
			PP	01 37 33.5	2.3
			S	01 41 37.0	-6.3
			SMN	m _B = 6.0	8.0 1.90
			SME		12.0 1.90
			LN	Ms = 6.0	18.0 9.60
			LE		20.0 12.5
GZH	35.1	321	cP	01 36 21.0	2.7
			PP	01 37 39.0	2.9
			S	01 41 52.0	2.8
			SMN	m _B = 6.1	9.0 2.00
			SME		10.0 3.30
			LN	Ms = 5.8	14.0 4.20

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1985 9 15
 O=02 01 18.2 ± 0.24s
 LAT= 7.02 N ± 2.27km
 LONG=126.60 E ± 1.69km
 DEPTH= 94 km ± 2.33km
 STATIONS USED = 26, STAND DEV= 3.06s

QZN	20.2	308	eP	02 05 47.8	-0.1
GZH	20.4	323	eP	02 05 47.5	-2.8
XAN	31.5	331	eP	02 07 30.0	-3.4
CD2	32.0	321	eP	02 07 36.0	-1.8
BJI	34.2	346	P	02 07 56.5	-0.3
SNY	34.8	356	eP	02 08 09.6	7.8
LZH	35.6	327	eP	02 08 15.5	6.0

1985 9 15
 O=02 08 51.1 ± 0.13s
 LAT= 4.02 S ± 2.02km
 LONG=136.16 E ± 2.07km
 DEPTH= 9 km ± 0.11km
 STATIONS USED = 69, STAND DEV= 1.44s
 Ms=5.3/ 2,

QZN	34.6	312	P	02 15 42.6	-0.1
GZH	35.0	321	P	02 15 47.0	1.1
SSE	37.7	339	-iP	02 16 10.0	0.7
			PMZ		1.2 0.11
			sP	02 16 18.0	0.5
			PP	02 17 41.0	3.4
			S	02 22 02.0	3.3
NJ2	39.5	337	+P	02 16 24.6	0.7
WHN	40.2	330	P	02 16 30.0	0.1
			PMZ		1.2 0.10
GYA	41.6	318	+P	02 16 42.8	1.0
			PMZ		1.4 0.20
KMI	43.5	313	+P	02 16 58.5	1.2
TIA	43.8	338	eP	02 16 58.8	-0.7
XAN	45.8	328	+P	02 17 15.5	0.3
			PMZ		1.2 0.30
			eS	02 23 58.0	-0.4
CD2	46.5	321	eP	02 17 21.9	0.8
TIY	47.0	334	eP	02 17 25.1	0.0
SNY	47.0	347	-iP	02 17 24.9	-0.4
BJI	47.5	339	eP	02 17 28.0	-1.2
CN2	48.6	350	eP	02 17 36.0	-1.3
HHC	50.0	336	eP	02 17 48.0	-0.4
LZH	50.1	326	+iP	02 17 50.0	1.1
			PMZ		1.5 1.00
BTO	50.4	334	eP	02 17 50.6	-1.2
LSA	54.6	311	P	02 18 22.8	-0.4
			S	02 26 02.0	2.1

GTA	54.7	326	iP	02 18 23.8	0.5
WMQ	64.5	323	-iP	02 19 31.0	-0.1
			PMZ		1.5 0.40
			S	02 28 11.0	3.4
			SMN		2.5 0.10
KSH	70.1	314	P	02 20 07.0	0.3

1985 9 15
 O=02 42 53.4 ± 0.13s
 LAT= 4.03 S ± 2.26km
 LONG=136.22 E ± 2.46km
 DEPTH= 10 km ± 0.02km
 STATIONS USED = 101, STAND DEV= 1.58s
 Ms=6.1/ 35, m_B=6.3/ 18

QZH	33.5	330	eP	02 49 37.0	1.3
			S	02 54 54.0	-1.9
			LE		Ms=5.9 18.0 13.3
QZN	34.6	312	P	02 49 44.5	-0.9
			sP	02 50 03.0	9.4
			PP	02 51 06.5	5.2
			PcP	02 52 28.0	8.7
			iS	02 55 14.0	-0.1
			sS	02 55 19.0	-4.0
			ScP	02 55 59.0	-4.4
			LN		Ms=6.1 20.0 16.4
			LE		18.0 13.5
GZH	35.0	321	P	02 49 50.8	2.3
			PP	02 51 08.8	2.8
			iS	02 55 23.0	3.2
			SMN		m _B =6.2 12.0 4.80
			SME		9.0 2.20
			LN		Ms=5.9 14.0 7.70
			LE		12.0 5.30
SSE	37.8	339	P	02 50 11.3	-0.6
			PMZ		1.2 0.29
			sP	02 50 18.0	-2.1
			PP	02 51 42.0	1.8
			S	02 56 04.0	2.6
			sS	02 56 11.0	-0.4
			PcS	02 56 20.0	4.0
			eSS	02 58 40.0	4.0
			LE		Ms=6.5 16.0 36.7
NJ2	39.5	337	+P	02 50 27.0	0.6
			PP	02 52 04.5	3.8
			S	02 56 25.0	-2.7
			LE		Ms=6.1 14.0 12.8
WHN	40.2	330	P	02 50 33.0	0.5
			PP	02 52 12.0	3.4
			S	02 56 40.0	1.2
			SMN		m _B =6.6 10.0 10.9

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			LN		$M_s = 6.3$	20.0	23.1	BJI	47.6	339	eP	02 51 30.0	-1.7		
			LE			16.0	13.1				ePP	02 53 27.0	5.3		
GYA	41.7	318	P	02 50 44.6	0.1						cS	02 58 30.0	3.8		
			PP	02 52 31.0	7.4						SMN			1.0	5.10
			S	02 57 06.0	5.9						LN	$M_s = 6.2$		18.0	14.8
			SMN	$m_B = 6.3$		10.0	5.10				LE			19.0	8.10
			LN	$M_s = 6.0$		15.0	9.50	CN2	48.6	350	+P	02 51 38.1	-1.6		
			LE			15.0	3.90				PMZ	$m_B = 6.1$		5.0	1.40
KMI	43.5	313	+P	02 51 00.0	0.1						PP	02 53 34.0	2.4		
			pP	02 51 05.0	-0.1						cS	02 58 40.0	-0.7		
			S	02 57 30.0	2.4						LN	$M_s = 6.0$		15.0	5.90
			sS	02 57 35.0	-2.7						LE			15.0	5.70
			LN	$M_s = 5.9$		18.0	9.40	HHC	50.0	336	+P	02 51 50.8	-0.2		
TIA	43.8	338	eP	02 51 00.9	-1.1						PP	02 53 50.5	4.4		
			PMZ	$m_B = 6.1$		5.0	1.70				S	02 59 06.0	6.2		
			ePP	02 52 51.0	5.6						SMN	$m_B = 6.2$		12.0	3.68
			S	02 57 37.5	5.7						LN	$M_s = 6.2$		20.0	12.0
			SMN			13.0	2.50				LE			18.0	9.55
			SME			10.0	0.80	LZH	50.1	326	P	02 51 52.0	0.5		
			SS	03 00 48.0	7.8						PMZ			1.0	1.10
			LN	$M_s = 5.8$		16.0	4.97				iS	02 59 06.0	3.9		
			LE			14.0	3.20				SMN			14.0	5.10
DL2	44.8	344	+P	02 51 11.0	1.2			BTO	50.5	334	P	02 51 53.0	-1.4		
			PP	02 53 00.0	5.0						PMZ	$m_B = 6.0$		7.0	1.50
			S	02 57 51.0	5.3						PP	02 53 49.0	-1.2		
			SME			1.1	2.70				S	02 59 04.0	-2.0		
			LN	$M_s = 6.2$		18.0	11.9				SMN	$m_B = 6.3$		10.0	3.60
			LE			15.0	9.20				SME			10.0	1.50
XAN	45.8	328	+iP	02 51 17.0	-0.8						ScS	03 01 43.0	1.4		
			iS	02 58 02.5	1.4						LN	$M_s = 6.1$		17.0	8.30
			SMN	$m_B = 6.5$		10.0	7.77				LE			17.0	6.70
			LN	$M_s = 6.1$		15.0	8.70	LSA	54.6	311	eP	02 52 25.0	-0.9		
			LE			18.0	7.87				S	03 00 03.0	0.2		
CD2	46.5	321	eP	02 51 23.3	-0.4			GTA	54.7	326	iP	02 52 25.8	-0.1		
			sP	02 51 33.0	1.2						S	03 00 09.0	5.5		
			S	02 58 15.3	4.6			WMQ	64.5	323	P	02 53 33.0	-0.6		
			SMN			16.0	11.3				PP	02 56 01.5	5.0		
			LN	$M_s = 6.1$		15.0	9.40				iS	03 02 14.5	2.7		
TIY	47.0	334	eP	02 51 25.0	-2.7						SMN			2.5	0.40
			PMZ			1.4	0.20	KSH	70.2	314	eP	02 54 11.0	1.7		
			S	02 58 14.0	-3.8						ePP	02 56 55.0	9.8		
			SMN	$m_B = 6.2$		12.0	3.46				LN	$M_s = 6.4$		20.0	13.1
			SME			9.0	1.70								
			LN	$M_s = 6.2$		17.0	12.8								
			LE			19.0	10.5								
SNY	47.1	347	eP	02 51 26.9	-0.9										
			PP	02 53 23.0	5.6										
			S	02 58 21.0	2.8										
			SMN	$m_B = 6.2$		10.0	3.20								
			SME			10.0	1.90								

1985 9 15

O = 03 01 51.6 ± 0.11s

LAT = 3.81 S ± 1.64km

LONG = 136.39 E ± 1.76km

DEPTH = 11 km ± 0.18km

STATIONS USED = 46, STAND DEV = 1.23s

$M_s = 5.8 / 1,$

			S	11 46 57.0	1.3					eS	12 26 09.5	4.9		
			SME	$m_B = 5.4$	6.0	0.50				LN	$M_S = 4.2$	13.0	0.70	
SNY	82.7	319	-iP	11 37 02.1	-0.2					LE		15.0	0.90	
			PMZ			3.0	1.50		SSE	17.4	244	cP	12 25 01.0	3.2
			sP	11 38 26.0	-2.9					sP	12 25 12.5	3.4		
			S	11 47 03.0	7.2					LE	$M_S = 4.5$	10.0	0.80	
WHN	83.5	305	iP	11 37 07.0	0.5				BJI	17.8	277	cP	12 25 03.5	0.4
			PMZ			1.5	0.10			cS	12 28 25.0	6.5		
			ipP	11 38 10.0	3.3					SMN	$m_B = 4.7$	8.0	0.33	
TIA	84.1	311	-P	11 37 09.3	-0.1					LE	$M_S = 4.1$	13.0	0.40	
BJI	86.6	314	-iP	11 37 21.5	-0.1				TIA	18.0	264	cP	12 25 06.8	1.4
			esP	11 38 45.5	-3.0					S	12 28 31.0	8.8		
GYA	88.0	299	-P	11 37 29.0	0.5					SMN		15.0	0.70	
			PMZ			1.2	0.13			SME		15.0	0.50	
			sP	11 39 04.0	8.7					LE	$M_S = 4.3$	15.0	0.87	
			PS	11 49 27.0					NJ2	18.5	250	-P	12 25 12.5	0.8
TIY	88.1	311	-iP	11 37 29.3	0.3					S	12 28 27.0	-6.7		
			PMZ			1.4	0.48			LE	$M_S = 4.6$	13.0	1.20	
			sS	11 49 27.5	-9.3				TIY	21.2	272	cP	12 25 42.0	1.3
XAN	89.1	306	-iP	11 37 34.3	0.4					S	12 29 35.0	6.0		
			pP	11 38 41.0	6.4					LN	$M_S = 4.4$	11.0	0.30	
			S	11 48 02.0	4.6					LE		11.0	0.50	
HHC	90.1	314	+iP	11 37 38.0	-0.3				HHC	21.2	281	P	12 25 41.0	-0.3
KMI	90.8	296	-P	11 37 43.0	1.3				BTO	22.4	281	cP	12 25 52.0	-1.2
			PMZ	$m_B = 5.6$	4.0	0.70				cPPP	12 26 28.0			
			eS	11 48 12.0	-2.3					cS	12 29 51.0	-2.1		
BTO	91.0	313	-iP	11 37 43.0	0.3					LN	$M_S = 4.5$	15.0	0.30	
			ePP	11 41 27.0	3.6					LE		15.0	0.90	
			eSKS	11 47 45.0	-2.3				WHN	22.6	253	cP	12 25 53.0	-1.9
			S	11 48 14.0	-0.2					LN	$M_S = 4.6$	14.0	0.90	
CD2	92.0	302	P	11 37 48.3	1.1				XAN	25.1	266	cP	12 26 18.0	-1.1
LZH	93.8	307	-iP	11 37 56.5	1.1					cS	12 30 45.0	5.7		
			PMZ			1.5	0.30			LE	$M_S = 4.5$	12.0	0.60	
GTA	97.9	309	iP	11 38 14.0	-0.2				LZH	28.2	273	cP	12 26 46.5	-1.7
WMQ	107.8	311	P	11 38 56.5	-1.5				GTA	30.3	282	P	12 27 04.8	-2.2
KSH	116.0	305	cPKP	11 43 19.0	0.1				CD2	30.3	263	P	12 27 04.3	-2.8
			PP	11 44 26.0	-4.2					cS	12 32 03.5	-1.2		
									GYA	30.5	253	P	12 27 05.6	-2.7
									WMQ	38.1	293	P	12 28 19.5	5.3
1985 9 15														
O = 12 20 55.2 ± 0.12s														
LAT = 40.21 N ± 2.44km														
LONG = 139.49 E ± 2.25km														
DEPTH = 28 km ± 0.74km														
STATIONS USED = 59, STAND DEV = 2.41s														
$M_S = 4.4 / 15, M_L = 4.3 / 1, m_B = 4.7 / 1$														
CN2	11.0	294	P	12 23 33.3	-1.3									
			esP	12 23 44.0	-1.4									
			eS	12 25 36.0	-2.2									
			LE	$M_S = 4.2$	14.0	1.20								
SNY	12.1	283	cP	12 23 48.3	-0.9									
1985 9 15														
O = 12 35 14.6 ± 0.12s														
LAT = 4.06 S ± 2.04km														
LONG = 136.40 E ± 2.68km														
DEPTH = 8 km ± 0.24km														
STATIONS USED = 27, STAND DEV = 1.99s														
GYA	41.8	318	P	12 43 07.0	-0.1									
KMI	43.7	313	+P	12 43 24.0	1.4									
XAN	45.9	328	+P	12 43 39.0	-1.2									
CD2	46.7	320	cP	12 43 46.0	-0.2									

LZH	50.2	325	eP	12 44 14.0	0.1				
GTA	54.8	326	iP	12 44 47.9	-0.4				
WMQ	64.7	323	P	12 45 55.0	-0.9				
1985 9 15									
O	14 22 13.2			± 0.17s					
LAT	0.15 N			± 1.94km					
LONG	120.45 E			± 2.79km					
DEPTH	81 km			± 0.99km					
STATIONS USED = 39, STAND DEV = 1.91s									
GZH	23.8	344	eP	14 27 21.0	1.3				
GYA	29.3	334	eP	14 28 14.6	3.7				
NJ2	31.8	357	eP	14 28 32.8	0.7				
CD2	34.4	334	eP	14 28 53.0	-2.4				
XAN	35.4	343	eP	14 29 01.0	-2.5				
TIY	38.1	350	P	14 29 26.4	0.2				
BJI	39.9	355	eP	14 29 41.0	0.0				
SNY	41.6	4	+P	14 29 54.8	-0.1				
GTA	43.4	337	iP	14 30 10.6	0.7				
			PcP	14 31 57.0	0.1				
CN2	43.7	5	eP	14 30 10.6	-1.5				
WMQ	52.4	330	P	14 31 19.5	-0.3				

1985 9 15									
O	17 30 59.7			± 0.13s					
LAT	16.84 S			± 2.76km					
LONG	173.77 W			± 2.87km					
DEPTH	79 km			± 0.44km					
STATIONS USED = 62, STAND DEV = 1.47s									
Ms	5.3 / 5,			m _B = 5.8 / 6					
QZH	77.9	301	+P	17 42 50.0	-1.3				
			pP	17 43 10.5	-1.1				
			S	17 52 39.0	3.5				
			LN	Ms = 5.0	12.0	0.30			
SSE	78.5	307	eP	17 42 48.0	-6.9				
			SKS	17 52 48.0	-8.5				
			LE	Ms = 5.5	36.0	2.80			
NJ2	80.8	307	eP	17 43 07.0	0.2				
			S	17 53 09.0	3.2				
GZH	81.5	297	eP	17 43 12.0	1.1				
			eS	17 53 10.0	-5.5				
CN2	82.0	320	-P	17 43 12.3	-0.9				
			esP	17 43 44.0	1.5				
			eS	17 53 15.0	-4.9				
			LE	Ms = 5.2	23.0	0.80			
SNY	82.1	318	+P	17 43 14.3	0.4				
			pP	17 43 39.0	4.7				
			S	17 53 17.0	-2.6				
			sS	17 54 00.0	3.5				
			LN	Ms = 5.4	34.0	1.60			

WHN	83.6	304	eP	17 43 22.5	1.0				
			eSKS	17 53 32.5	0.4				
			S	17 53 35.6	0.8				
			SME	m _B = 5.9	6.0	0.60			
			PS	17 54 46.0					
			sS	17 54 15.5	3.6				
TIA	83.9	311	eP	17 43 23.3	0.4				
			SKS	17 53 40.0	6.2				
			SMN		20.0	0.90			
			SME		20.0	0.90			
BJI	86.2	314	eP	17 43 34.5	0.1				
			epP	17 43 56.0	0.9				
			SKS	17 53 52.0	2.6				
			eS	17 54 08.0	6.2				
			SMN	m _B = 5.7	9.0	0.60			
			SME		9.0	0.40			
TIY	87.9	310	P	17 43 43.5	0.7				
			pP	17 44 04.5	1.1				
GYA	88.4	298	P	17 43 47.0	1.8				
			pP	17 44 10.8	5.0				
			S	17 54 12.0	-8.9				
			sS	17 54 53.0	-5.5				
XAN	89.2	306	eP	17 43 48.8	0.0				
			eS	17 54 32.0	2.0				
HHC	89.7	313	P	17 43 52.0	0.5				
BTO	90.7	312	eP	17 43 56.5	0.3				
			pP	17 44 18.0	1.2				
			SKS	17 54 17.0	-0.7				
			S	17 54 42.0	-0.2				
			sS	17 55 22.0	2.2				
			SMN	m _B = 6.0	7.0	0.90			
			SME		7.0	0.40			
KMI	91.3	296	-P	17 44 02.5	3.5				
			PMZ	m _B = 6.0	8.0	0.90			
			pP	17 44 22.5	2.9				
CD2	92.3	301	eP	17 44 04.3	1.2				
LZH	93.8	306	eP	17 44 11.0	0.8				
			eSKS	17 54 40.0	5.1				
			eS	17 55 20.0	9.1				
GTA	97.8	309	P	17 44 28.9	0.4				

1985 9 15									
O	22 58 41.8			± 0.14s					
LAT	10.80 S			± 2.56km					
LONG	119.41 E			± 3.86km					
DEPTH	39 km			± 0.19km					
STATIONS USED = 78, STAND DEV = 2.03s									
Ms	4.3 / 1,								
QZN	31.1	342	P	23 04 59.5	0.3				
GZH	34.2	350	+iP	23 05 26.6	0.6				

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			PMZ	$m_B = 5.6$	7.0	0.79		
CD2	32.1	284	eP	03 12 48.0	0.2			
			S	03 17 58.0	4.7			
			LN	$M_s = 5.1$	10.0	1.20		
KMI	34.0	273	eP	03 13 04.0	0.0			
			PMZ	$m_B = 5.5$	8.0	0.60		
			S	03 18 28.0	5.8			
			LN	$M_s = 4.7$	14.0	0.60		
GTA	35.4	299	eP	03 13 14.3	-1.8			
WMQ	44.7	305	P	03 14 33.0	-0.3			

1985 9 16

O = 03 06 23.7 ± 0.26s
 LAT = 25.23 N ± 0.99km
 LONG = 97.59 E ± 1.33km
 DEPTH = 9 km ± 1.44km
 STATIONS USED = 9, STAND DEV = 3.16s

$M_L = 3.9 / 4,$

KMI	4.7	90	ePg	03 07 51.0	4.5
			Sg	03 08 47.5	-2.5
LSA	7.2	309	eP	03 08 14.4	1.3
GYA	8.3	80	eP	03 08 31.3	4.3

1985 9 16

O = 07 08 22.0 ± 0.37s
 LAT = 21.03 S ± 5.42km
 LONG = 173.19 W ± 3.12km
 DEPTH = 29 km ± 1.09km
 STATIONS USED = 30, STAND DEV = 1.81s

NJ2	83.7	308	eP	07 20 52.0	1.6
CN2	85.5	320	P	07 20 57.8	-1.6
WHN	86.4	304	eP	07 21 07.0	3.2
TIA	87.0	311	eP	07 21 06.4	-0.2
BJI	89.5	314	eP	07 21 18.0	-0.4
GYA	90.8	298	P	07 21 28.4	3.3
TIY	91.0	310	eP	07 21 26.3	0.5
XAN	92.1	306	+P	07 21 30.3	-0.3
HHC	93.0	313	eP	07 21 35.0	0.1
BTO	93.9	312	eP	07 21 40.0	0.8

1985 9 16

O = 07 28 23.6 ± 0.07s
 LAT = 6.95 S ± 1.11km
 LONG = 129.47 E ± 1.37km
 DEPTH = 112 km ± 0.12km
 STATIONS USED = 46, STAND DEV = 0.94s

SSE	38.7	349	eP	07 35 38.5	0.4
			pP	07 36 01.0	-2.3
			sP	07 36 13.0	-3.6
GYA	39.9	327	P	07 35 49.6	1.0

			pP	07 36 15.0	1.2
WHN	40.0	340	-P	07 35 51.3	2.0
			pP	07 36 12.5	-2.1
NJ2	40.1	346	+P	07 35 51.5	1.6
KMI	41.2	322	+P	07 36 00.0	1.0
CD2	45.0	328	-P	07 36 29.8	-0.1
			eS	07 42 54.1	-5.4
XAN	45.2	336	+P	07 36 30.4	-1.0
			pP	07 36 51.0	-5.8
			ScP	07 41 51.0	0.8
			eS	07 42 58.0	-4.3
TIY	47.2	342	P	07 36 47.3	0.0
BJI	48.3	346	eP	07 36 56.0	-0.2
LZH	49.1	332	eP	07 37 02.5	0.2
			PMZ		1.5 0.20
CN2	50.6	356	P	07 37 13.4	-0.4
			pP	07 37 37.8	-2.1
LSA	51.8	317	eP	07 37 22.3	-0.7
GTA	53.7	332	iP	07 37 36.4	-0.2
WMQ	63.1	327	P	07 38 41.5	-0.5

1985 9 16

O = 21 51 07.8 ± 0.07s
 LAT = 8.54 N ± 1.08km
 LONG = 58.50 E ± 0.37km
 DEPTH = 10 km ± 0.14km
 STATIONS USED = 9, STAND DEV = 0.52s

XAN	52.7	54	eP	22 00 25.0	-0.6
TIY	56.5	50	P	22 00 53.1	-0.2
BJI	60.0	49	eP	22 01 17.5	0.2

1985 9 17

O = 01 57 05.6 ± 0.14s
 LAT = 9.44 N ± 2.21km
 LONG = 126.86 E ± 3.61km
 DEPTH = 34 km ± 0.35km
 STATIONS USED = 17, STAND DEV = 2.31s

QZN	19.0	302	eP	02 01 27.6	-0.1
NJ2	23.7	343	+P	02 02 18.1	2.7
XAN	29.5	329	eP	02 03 07.3	-2.0
BJI	31.9	344	eP	02 03 31.0	0.4

1985 9 17

O = 03 23 57.1 ± 0.14s
 LAT = 28.53 N ± 3.14km
 LONG = 140.39 E ± 3.01km
 DEPTH = 34 km ± 1.21km
 STATIONS USED = 52, STAND DEV = 2.20s

$M_s = 4.7 / 14,$ $m_B = 5.6 / 19$

SSE	16.9	283	P	03 27 52.0	-0.3
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			PP	21 16 00.0	3.1		
			S	21 19 43.0	-1.0		
			SME	$m_B = 5.5$	10.0	1.30	
			LE	$M_S = 4.8$	10.0	0.86	
XAN	28.1	290	eP	21 15 14.8	-2.7		
			eS	21 19 54.0	-4.1		
			SME	$m_B = 5.2$	12.0	0.75	
BTO	28.3	304	P	21 15 18.0	-1.6		
			PMZ	$m_B = 5.8$	6.0	1.10	
			S	21 19 57.0	-3.8		
			SMN	$m_B = 5.5$	8.0	0.80	
			SME		8.0	0.40	
			LN	$M_S = 4.8$	13.0	0.50	
			LE		13.0	0.90	
QZN	30.0	259	eP	21 15 36.0	1.5		
			SP	21 15 50.0			
			PP	21 16 31.5	-0.8		
			eS	21 20 29.0	0.5		
			LN	$M_S = 4.8$	10.0	0.70	
GYA	30.6	275	P	21 15 40.0	0.1		
			S	21 20 39.0	2.1		
			LN	$M_S = 5.1$	12.0	1.30	
			LE		12.0	0.80	
CD2	32.5	284	eP	21 15 54.0	-2.6		
			eS	21 21 08.0	0.1		
			LN	$M_S = 5.2$	10.0	1.45	
GTA	35.8	299	eP	21 16 23.5	-1.6		
WMQ	45.1	305	P	21 17 45.0	2.8		
			PMZ	$m_B = 5.7$	6.0	0.70	
			PP	21 19 28.0	0.0		
			S	21 24 20.0	2.7		
			LN	$M_S = 5.1$	10.0	0.80	
KSH	54.2	300	eP	21 18 52.0	0.4		

1985 9 17
 O = 22 08 52.5 ± 0.17s
 LAT = 36.47 N ± 1.92km
 LONG = 93.01 E ± 1.35km
 DEPTH = 10 km
 STATIONS USED = 6, STAND DEV = 3.98s
 $M_L = 3.5 / 3,$

GTA	6.1	59	Pn	22 10 22.8	-0.8		
			Pg	22 10 42.7	2.1		
			SMN	$M_L = 3.9$	1.0	0.080	
			SME		1.0	0.070	
WMQ	8.4	333	eP	22 10 55.8	-1.6		
			SMN	$M_L = 3.5$	0.8	0.010	

1985 9 17
 O = 22 13 46.9 ± 0.08s

LAT = 8.17 S ± 1.62km
 LONG = 118.78 E ± 2.38km
 DEPTH = 31 km ± 0.18km
 STATIONS USED = 15, STAND DEV = 1.95s

NJ2	40.0	0	eP	22 21 25.4	4.6		
CD2	41.4	340	eP	22 21 32.0	-0.8		
XAN	43.0	348	eP	22 21 44.0	-1.7		
BJI	48.0	357	eP	22 22 27.5	1.9		
GTA	50.5	341	eP	22 22 44.4	-0.4		

1985 9 17
 O = 22 32 40.9 ± 0.15s
 LAT = 3.44 S ± 1.78km
 LONG = 146.27 E ± 2.45km
 DEPTH = 30 km ± 0.41km
 STATIONS USED = 23, STAND DEV = 2.20s

GZH	41.6	311	eP	22 40 29.0	1.1		
SNY	49.6	338	eP	22 41 32.4	0.9		
KMI	50.9	306	eP	22 41 42.5	0.5		
XAN	51.3	320	eP	22 41 43.0	-1.6		
BJI	51.3	330	eP	22 41 48.0	3.0		
CD2	53.0	313	eP	22 41 57.0	-0.6		
BTO	54.9	327	eP	22 42 10.0	-2.1		
GTA	60.3	320	P	22 42 49.0	-1.0		

1985 9 18
 O = 00 10 34.0 ± 0.07s
 LAT = 31.65 N ± 1.36km
 LONG = 49.38 E ± 0.94km
 DEPTH = 33 km ± 0.08km
 STATIONS USED = 68, STAND DEV = 0.91s
 $M_S = 5.2 / 11,$ $m_B = 5.3 / 1$

KSH	22.9	63	P	00 15 39.0	2.2		
WMQ	32.4	57	P	00 17 03.3	0.1		
			PP	00 18 14.0	3.3		
			S	00 22 20.0	6.8		
			LN	$M_S = 5.2$	10.0	1.50	
LSA	35.8	82	P	00 17 34.0	0.7		
			S	00 23 15.5	8.7		
			LE	$M_S = 4.9$	14.0	0.90	
GTA	41.3	65	P	00 18 20.1	1.3		
			PP	00 20 04.0	6.7		
CD2	46.1	76	eP	00 18 57.4	0.3		
			eS	00 25 46.0	6.0		
			LN	$M_S = 5.1$	25.0	1.70	
KMI	47.0	84	+P	00 19 04.5	-0.2		
			PMZ		2.0	0.20	
			pP	00 19 14.5	0.6		
			S	00 25 56.0	3.7		
BTO	48.9	62	P	00 19 20.0	0.4		

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			eS	00 26 20.0	-0.7				LN	Ms=5.0	15.0	2.60
			LN			17.0	0.90	SNY	23.7 263	-P	01 32 24.0	-0.2
			LE			17.0	1.00			S	01 36 31.0	0.3
XAN	49.5	70	+P	00 19 22.8	-0.8					sS	01 36 52.0	-1.6
			pP	00 19 30.0	-2.9					LN	Ms=5.0	13.0 1.30
			eS	00 26 32.0	4.1					LE		15.0 2.00
			LN			12.0	0.75	DL2	26.5 259	eP	01 32 51.5	0.4
			LE			11.0	0.45	BJI	29.4 266	eP	01 33 16.0	-1.1
GYA	49.9	81	+P	00 19 26.0	-0.8					eS	01 38 05.0	-0.1
			pP	00 19 37.6	1.6					LE	Ms=4.7	11.0 0.60
			S	00 26 30.0	-2.3			TIA	31.0 259	eP	01 33 29.3	-2.0
HHC	50.1	61	eP	00 19 28.0	-0.2					S	01 38 30.0	0.5
			eS	00 26 30.0	-6.2					LN	Ms=4.9	32.0 1.75
			LN			12.0	0.35			LE		35.0 1.90
TIY	51.4	65	P	00 19 37.5	-0.5			SSE	31.9 247	P	01 33 39.0	-0.1
BJI	53.7	61	eP	00 19 55.0	-0.2					PP	01 34 40.5	-4.6
			S	00 27 30.5	6.1					eS	01 38 40.0	-4.3
			LN			12.0	0.68			LE	Ms=4.8	20.0 1.30
WHN	54.9	73	P	00 20 03.5	-0.6			HHC	32.0 271	+P	01 33 39.0	-0.9
			pP	00 20 13.5	-0.2					S	01 38 40.0	-4.6
			eS	00 27 38.5	-3.4					LN	Ms=5.3	14.0 1.75
			LN			12.0	0.60			LE		14.0 2.30
			LE			14.0	0.78	NJ2	32.6 251	+P	01 33 44.6	-1.0
TIA	55.4	65	P	00 20 07.1	-0.6					PcP	01 36 30.3	0.4
QZN	55.5	88	P	00 20 09.1	0.8					eS	01 38 55.5	-0.5
GZH	56.8	82	eP	00 20 14.8	-2.8					LE	Ms=5.1	19.0 2.30
NJ2	58.0	70	-P	00 20 25.9	-0.6			BTO	33.1 272	eP	01 33 49.0	-0.7
			eS	00 28 20.0	-3.5					epP	01 34 01.0	-2.0
			LE			12.0	0.76			eS	01 39 04.0	0.6
DL2	58.0	61	eP	00 20 25.0	-1.6					LN	Ms=5.4	14.0 1.70
SNY	58.6	57	eP	00 20 29.6	-1.3					LE		14.0 2.50
CN2	59.4	55	-P	00 20 35.0	-1.3			TIY	33.1 265	P	01 33 49.3	-0.6
			pP	00 20 45.0	-0.8					PMZ		1.2 0.060
SSE	60.2	70	eP	00 20 41.4	-0.4					pP	01 34 10.0	6.8
			PMZ			1.0	0.030			S	01 39 05.0	2.4
			eS	00 29 07.0	-0.8					LE	Ms=4.5	12.0 0.40
			LE			7.0	0.70	WHN	36.5 254	eP	01 34 17.0	-1.3
								XAN	37.6 263	eP	01 34 27.0	-1.0
										PP	01 35 54.0	-2.5
										PcP	01 36 44.6	0.3
										LE	Ms=5.1	17.0 1.67
								QZH	38.0 243	P	01 34 31.0	-0.1
										S	01 40 16.0	-1.5
								LZH	39.6 270	eP	01 34 45.0	-0.1
										PMZ		2.0 0.10
								GTA	40.3 277	P	01 34 50.6	-0.2
										PP	01 36 30.0	2.6
										PcP	01 36 54.2	1.3
										ScP	01 40 39.0	3.3
										ScS	01 44 50.8	2.6

1985 9 18

O=01 27 16.6 ± 0.12s
 LAT=49.75 N ± 3.54km
 LONG=155.79 E ± 2.57km
 DEPTH=57 km ± 0.65km
 STATIONS USED = 83, STAND DEV = 1.58s
 Ms=5.0/14, mb=5.6/1

CN2	21.5	266	-P	01 32 00.8	-2.3		
			pP	01 32 12.0	-3.7		
			PP	01 32 27.0	-0.7		
			eS	01 35 46.0	-6.8		
			SS	01 36 22.0	-8.2		

GZH	42.5	247	+P	01 35 08.6	0.3		
			eS	01 41 27.0	1.3		
			LN			Ms=5.0	16.0 1.10
CD2	42.9	264	P	01 35 12.0	-0.2		
			eS	01 41 30.0	-2.6		
			LE			Ms=5.1	20.0 1.48
GYA	44.1	257	-P	01 35 22.6	0.7		
			pP	01 35 36.0	0.4		
			S	01 41 49.0	0.3		
WMQ	45.6	290	eP	01 35 31.4	-1.8		
			S	01 42 14.0	4.8		
			SME				2.0 0.040
			LN			Ms=5.3	18.0 1.99
KMI	47.6	259	+P	01 35 50.0	0.8		
			pP	01 36 04.0	1.2		
			eS	01 42 35.0	-4.2		
			LE			Ms=5.0	13.0 0.70
QZN	47.7	247	P	01 35 50.8	0.9		
			PP	01 37 39.5	-0.7		
			eS	01 42 45.0	4.6		
			SMN			m _B =5.6	11.0 0.80
			SME				10.0 0.40
LSA	51.9	273	eP	01 36 23.0	0.2		

1985 9 18

O=02 15 52.8 ± 0.12s
 LAT= 3.37 S ± 1.74km
 LONG=146.38 E ± 2.26km
 DEPTH= 32 km ± 0.22km
 STATIONS USED = 57, STAND DEV= 1.51s
 Ms=5.2/ 9,

GZH	41.6	311	P	02 23 40.8	1.0		
QZN	42.3	303	eP	02 23 43.5	-1.9		
			eS	02 30 05.0	1.0		
			SS	02 33 15.0	8.1		
			LN			Ms=4.8	11.0 0.40
NJ2	43.9	326	eP	02 23 59.0	0.6		
			S	02 30 33.0	6.7		
			LE			Ms=5.0	15.0 0.80
WHN	45.5	320	eP	02 24 12.5	0.9		
			eS	02 30 51.0	0.0		
			sS	02 31 03.0	-3.4		
			LN			Ms=5.4	21.0 2.80
TIA	47.9	328	eP	02 24 30.1	-0.5		
			S	02 31 29.0	4.7		
			SMN				25.0 1.00
			SME				25.0 0.60
GYA	48.5	310	eP	02 24 36.6	1.4		
SNY	49.5	338	eP	02 24 42.9	-0.1		
			S	02 31 50.0	3.3		

			sS	02 32 04.0	0.8		
			LN			Ms=5.2	32.0 1.80
			LE				28.0 1.20
CN2	50.6	340	+P	02 24 50.0	-1.1		
			pP	02 24 58.0	-2.3		
			eS	02 31 57.0	-5.4		
			LN			Ms=5.3	17.0 1.50
XAN	51.3	320	+P	02 24 55.6	-0.8		
BJI	51.3	330	eP	02 24 56.0	-0.6		
			eS	02 32 10.0	-2.5		
			LN			Ms=5.2	19.0 1.47
TIY	51.6	326	eP	02 24 58.6	-0.2		
			S	02 32 20.5	5.3		
			LE			Ms=5.4	20.0 2.40
CD2	53.0	313	+P	02 25 09.6	0.2		
			eS	02 32 40.0	4.1		
			LE			Ms=5.2	16.0 1.20
HHC	54.3	328	P	02 25 18.8	-0.1		
BTO	54.9	327	+P	02 25 23.0	-0.7		
			eS	02 32 59.0	-3.1		
			LN			Ms=5.3	20.0 1.30
			LE				20.0 1.00
LZH	55.8	319	+P	02 25 30.0	-0.1		
			PMZ				1.5 0.060
GTA	60.3	320	iP	02 26 02.0	0.2		
WMQ	70.4	319	P	02 27 06.5	0.0		

1985 9 18

O=02 35 26.2 ± 0.07s
 LAT= 3.41 S ± 0.91km
 LONG=146.18 E ± 1.86km
 DEPTH= 32 km ± 0.22km
 STATIONS USED = 26, STAND DEV= 1.17s

TIA	47.9	328	eP	02 44 02.6	-0.8		
KMI	50.8	306	-P	02 44 28.5	2.2		
XAN	51.2	320	+P	02 44 28.6	-0.4		
BJI	51.3	331	eP	02 44 29.0	-0.5		
CD2	52.9	313	P	02 44 42.8	0.9		
HHC	54.2	328	P	02 44 51.8	0.1		
BTO	54.9	327	eP	02 44 56.0	-0.5		
GTA	60.2	320	P	02 45 35.0	0.5		
WMQ	70.3	319	P	02 46 39.5	0.2		

1985 9 18

O=03 59 09.7 ± 0.11s
 LAT= 4.22 N ± 1.63km
 LONG= 76.80 W ± 1.53km
 DEPTH= 96 km ± 0.92km
 STATIONS USED = 13, STAND DEV= 1.93s

CD2	145.1	359	PKP	04 18 37.4	0.4		
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			S	13 18 14.0	2.5		
			SMN	$m_B = 5.4$	8.0	0.70	
			SME		8.0	0.40	
			LN	$M_s = 4.7$	13.0	0.40	
			LE		13.0	0.70	
QZN	29.6	258	eP	13 13 51.0	-1.7		
			eS	13 18 50.5	8.9		
			LN	$M_s = 4.5$	11.0	0.40	
CD2	32.0	283	eP	13 14 11.9	-1.8		
			eS	13 19 24.0	4.9		
			LN	$M_s = 5.1$	10.0	1.30	
GTA	35.2	299	eP	13 14 39.0	-2.9		
WMQ	44.6	305	P	13 15 59.0	-0.2		

1985 9 18

O = 16 08 52.4 ± 0.23s

LAT = 19.37 N ± 3.96km

LONG = 120.86 E ± 2.66km

DEPTH = 50 km ± 1.88km

STATIONS USED = 19, STAND DEV = 2.78s

$M_L = 3.7 / 2,$

QZH	5.9	340	eP	16 10 16.5	-3.5		
			eS	16 11 23.3	-3.2		
			SMN	$M_L = 3.4$	0.3	0.020	
			SME		0.5	0.040	
GZH	7.9	299	P	16 10 44.0	-3.8		
QZN	10.4	270	+P	16 11 17.3	-4.8		
			eS	16 13 12.4	-5.2		
GYA	14.9	301	eP	16 12 22.0	0.7		
KMI	17.7	292	eP	16 12 59.0	1.4		
XAN	18.1	326	eP	16 13 01.8	0.0		
CD2	19.3	310	eP	16 13 15.6	-0.2		
TIY	19.7	340	eP	16 13 21.0	0.3		
BJI	21.0	350	eP	16 13 33.0	-1.2		
SNY	22.5	5	eP	16 13 48.1	-1.1		
CN2	24.7	8	eP	16 14 08.3	-1.9		

1985 9 18

O = 16 10 55.5 ± 0.15s

LAT = 39.26 N ± 1.99km

LONG = 75.31 E ± 0.59km

DEPTH = 5 km ± 1.60km

STATIONS USED = 8, STAND DEV = 3.95s

$M_L = 4.2 / 3,$

KSH	0.6	69	-iPg	16 11 05.1	-0.5		
			Sg	16 11 11.5	-1.5		
WMQ	10.3	60	eP	16 13 24.0	-4.0		
			LN			2.0	0.080

1985 9 18

O = 19 20 40.8	± 0.05s
LAT = 17.97 S	± 1.30km
LONG = 178.53 W	± 1.41km
DEPTH = 559 km	± 0.48km
STATIONS USED = 19, STAND DEV = 1.23s	
MDJ	78.2 325 eP 19 31 43.5 -1.1
CN2	80.0 322 +P 19 31 53.8 -0.4
XAN	86.2 307 eP 19 32 25.0 -0.1

1985 9 18

O = 23 53 18.0 ± 0.10s

LAT = 47.80 N ± 3.19km

LONG = 154.03 E ± 1.79km

DEPTH = 33 km ± 0.35km

STATIONS USED = 28, STAND DEV = 2.14s

$M_s = 4.3 / 2,$

MDJ	17.2 268 eP	23 57 20.0	2.5
		sP	23 57 30.0 0.4
		LE	$M_s = 4.2$ 12.0 0.60
CN2	20.3 269 -P	23 57 51.4	-2.3
		sP	23 58 01.0 -5.6
		eS	24 01 26.0 -8.8
		LE	$M_s = 4.4$ 13.0 0.70
SNY	22.3 266 eP	23 58 14.8	0.3
BJI	28.1 268 eP	23 59 09.5	0.1
NJ2	30.9 252 +P	23 59 35.0	0.8
CD2	41.6 265 eP	24 01 05.3	0.3
GYA	42.6 257 P	24 01 13.0	0.1
KMI	46.1 259 eP	24 01 40.0	-1.2
		pP	24 01 49.0 -1.3

1985 9 19

O = 02 34 28.3 ± 0.14s

LAT = 24.21 N ± 2.32km

LONG = 125.40 E ± 1.88km

DEPTH = 35 km ± 0.54km

STATIONS USED = 19, STAND DEV = 2.52s

QZH	6.2 278 eP	02 35 58.0	-2.6
XAN	17.4 308 eP	02 38 29.6	-0.7

1985 9 19

O = 08 06 20.0 ± 0.07s

LAT = 18.08 S ± 1.88km

LONG = 175.62 W ± 2.39km

DEPTH = 298 km ± 0.71km

STATIONS USED = 32, STAND DEV = 1.36s

MDJ	79.9 324 eP	08 17 57.0	-0.9
NJ2	80.1 308 eP	08 18 00.0	0.9
CN2	81.8 321 -P	08 18 11.0	3.1
TIY	87.4 311 eP	08 18 36.1	0.5

LAT = 18.58 N		± 6.91km									
LONG = 102.24 W		± 7.66km									
DEPTH = 12 km		± 2.48km									
STATIONS USED = 70,		STAND DEV = 4.12s									
Ms = 8.4 / 22,											
MDJ	101.4	325	-iP	13 31 42.0	0.2						
			PMZ			16.0	32.0				
			pP	13 31 51.0	3.4						
			PP	13 35 51.0	-1.9						
			SKS	13 42 18.0	-0.3						
			S	13 43 12.0	-4.6						
CN2	104.1	326	+P	13 31 54.0	0.0						
			PP	13 36 13.0	-0.2						
			eS	13 43 36.0	-5.4						
			LN			Ms=8.4	18.0	580			
SNY	106.5	326	ePdif	13 32 03.6	-0.7						
			PP	13 36 23.0	-8.0						
			S	13 44 06.0	6.9						
			LN			Ms=8.3	37.0	536			
			LE				33.0	786			
DL2	109.6	325	ePdif	13 32 16.0	-2.1						
			PP	13 36 48.0	-6.5						
			LN			Ms=8.4	20.0	393			
			LE				23.0	667			
BJI	111.6	329	Pdif	13 32 30.0	3.3						
			PP	13 37 12.0	3.9						
			eS	13 44 48.0	4.8						
			LE			Ms=8.4	21.0	708			
HHC	113.1	333	Pdif	13 32 35.5	2.1						
			PP	13 37 21.0	1.3						
			LN			Ms=8.1	16.0	221			
			LE				16.0	87.0			
BTO	113.9	334	Pdif	13 32 39.0	1.8						
			PP	13 37 28.0	2.3						
TIA	114.0	326	Pdif	13 32 40.0	2.5						
			PP	13 37 26.0	-0.3						
			eSKS	13 43 42.0	5.3						
			LE			Ms=8.3	16.0	424			
TIY	115.2	330	PKP	13 36 31.5	0.8						
			PP	13 37 38.0	3.3						
			LN			Ms=8.6	20.0	643			
			LE				20.0	635			
SSE	115.4	319	Pdif	13 32 48.0	4.6						
			PP	13 37 42.0	6.3						
			SKS	13 43 47.0	7.7						
			LN			Ms=8.6	16.0	469			
			LE				16.0	587			
NJ2	116.1	322	Pdif	13 32 49.0	2.4						
			LE			Ms=8.2	20.0	347			
WMQ	117.2	352	Pdif	13 32 56.0	4.2						
			PKP	13 36 31.0	-2.5						
			PP	13 37 48.0	-1.0						
			LN			Ms=8.5	18.0	594			
GTA	118.7	341	Pdif	13 33 01.2	2.7						
			PKP	13 36 31.0	-5.4						
			PP	13 38 01.5	2.0						
			LN			Ms=8.4	21.5	613			
WHN	119.8	324	Pdif	13 33 06.0	3.1						
			PKP	13 36 42.0	3.5						
			PP	13 38 10.0	4.0						
			S	13 45 51.0	1.4						
			LE			Ms=8.3	30.0	697			
XAN	119.8	330	ePdif	13 33 07.0	3.8						
			ePKP	13 36 41.4	2.9						
			sPKP	13 36 55.0							
			LN			Ms=8.5	42.0	435			
			LE				40.0	1321			
LZH	120.3	336	ePdif	13 33 07.0	1.7						
			PKP	13 36 41.0	1.6						
			PP	13 38 08.0	-1.2						
			LN			Ms=8.6	17.0	600			
			LE				18.0	536			
QZH	121.2	316	Pdif	13 33 10.0	0.7						
			PKP	13 36 47.0	5.7						
			LE			Ms=8.4	22.0	607			
KSH	122.3	2	Pdif	13 33 18.0	4.1						
			PKP	13 36 50.0	6.8						
			PP	13 38 27.0	4.0						
			LE			Ms=8.1	30.0	413			
CD2	124.8	333	Pdif	13 33 31.0	5.9						
			iPKP	13 36 55.0	6.9						
GZH	125.9	319	Pdif	13 33 36.0	6.0						
			PKP	13 36 54.0	3.7						
			PP	13 38 46.0	-1.8						
			SKS	13 44 04.0	4.7						
			LN			Ms=8.3	18.0	345			
			LE				17.0	68.3			
GYA	127.2	327	PKP	13 36 59.0	5.0						
			PP	13 38 58.0	2.7						
			LN			Ms=8.5	19.0	512			
			LE				19.0	333			
KMI	130.2	330	Pdif	13 33 54.0	4.9						
			PKP	13 37 03.0	4.5						
			sPKP	13 37 13.0							
			SKS	13 44 09.0	1.9						
			LE			Ms=8.4	20.0	543			
LSA	130.3	345	ePKP	13 37 04.0	3.7						
			PP	13 39 18.0	1.8						
			LN			Ms=8.0	24.0	236			
QZN	131.1	318	Pdif	13 34 00.0	7.1						

PKP	13 37 07.0	6.8		
PP	13 39 19.0	-3.0		
i	13 51 19.0			
SS	13 56 56.0	6.4		
LN	Ms=8.3	28.0	240	
LE		27.0	412	

1985 9 19

O=18 35 40.0 ± 0.10s

LAT=28.22 N ± 1.80km

LONG=140.97 E ± 2.02km

DEPTH= 39 km ± 0.75km

STATIONS USED = 28, STAND DEV= 1.59s

NJ2	19.5	287	-P	18 40 08.8	1.9
TIA	21.7	298	-P	18 40 29.5	0.2
BJI	23.6	306	eP	18 40 49.0	0.7
TIY	25.7	299	P	18 41 09.5	1.1
HHC	27.2	305	P	18 41 21.8	-0.5
XAN	28.0	290	eP	18 41 28.8	-0.8
BTO	28.2	304	eP	18 41 31.5	-0.3
GYA	30.5	275	P	18 41 52.0	0.1
CD2	32.4	284	eP	18 42 08.6	-0.1
GTA	35.7	299	P	18 42 36.8	-0.5
WMQ	45.0	305	P	18 43 55.3	0.8

1985 9 19

O=17 24 22.7 ± 0.04s

LAT=36.24 N ± 4.98km

LONG= 21.74 E ± 3.68km

DEPTH= 43 km ± 2.13km

STATIONS USED = 52, STAND DEV= 0.81s

WMQ	49.9	60	P	17 33 14.5	0.1
LSA	57.5	75	P	17 34 10.0	-0.9
GTA	59.9	61	iP	17 34 27.1	-0.2
LZH	64.2	63	+iP	17 34 56.5	0.3
			PMZ		1.0 0.060
BTO	66.4	56	eP	17 35 10.6	0.2
CD2	66.6	68	eP	17 35 11.4	0.0
HHC	67.3	55	iP	17 35 16.0	-0.1
KMI	68.7	74	+P	17 35 24.0	-0.8
XAN	68.8	63	+iP	17 35 25.4	-0.1
TIY	69.5	58	P	17 35 29.4	0.1
BJI	70.8	54	eP	17 35 37.0	-0.3
GYA	71.0	71	+P	17 35 38.8	-0.2
TIA	73.5	57	+P	17 35 52.9	-0.3
CN2	74.5	47	+iP	17 35 59.0	-0.3
SNY	74.5	49	+iP	17 35 59.3	0.0
MDJ	76.4	44	eP	17 36 11.5	1.3
NJ2	77.0	60	-P	17 36 13.3	0.1

1985 9 19

O=19 17 42.8 ± 0.16s

LAT=39 15 N ± 2.17km

LONG= 75.19 E ± 0.92km

DEPTH= 17 km ± 1.89km

STATIONS USED = 14, STAND DEV= 3.35s

M_L=4.4 / 4,

KSH	0.7	64	+iPg	19 17 55.0	-0.4
			Sg	19 18 01.7	-3.1
WMQ	10.5	60	P	19 20 14.6	-1.1
			LN		1.5 0.10
GTA	19.1	81	eP	19 22 05.9	-1.5

1985 9 19

O=18 07 48.0 ± 0.09s

LAT=27.81 N ± 0.87km

LONG=103.46 E ± 0.80km

DEPTH= 5 km

STATIONS USED = 9, STAND DEV= 2.22s

M_L=3.1 / 5,

CD2	3.1	5	ePn	18 08 40.0	2.0
			Pg	18 08 45.3	2.5
GYA	3.2	114	Pn	18 08 38.8	-0.1
			Pg	18 08 47.8	4.0
			Sg	18 09 32.3	5.4
			SMN	M _L =2.9	0.8 0.050
			SME		0.8 0.030
XAN	7.8	36	ePn	18 09 41.6	-0.8
			Sn	18 11 06.0	-7.4
			Sg	18 11 50.6	-1.2

1985 9 19

O=19 37 58.7 ± 0.13s

LAT=27.97 N ± 2.60km

LONG=140.90 E ± 3.06km

DEPTH= 38 km ± 1.13km

STATIONS USED = 55, STAND DEV= 1.89s

M_s=4.5 / 9, m_B=5.4 / 1

MDJ	18.9	334	eP	19 42 15.0	-4.1
DL2	19.4	309	P	19 42 23.0	-1.4
NJ2	19.5	287	+P	19 42 26.8	1.0
			S	19 46 00.0	2.0
			sS	19 46 20.0	8.4
			LN	M _s =4.3	12.0 0.50
SNY	19.8	319	eP	19 42 37.0	8.4
CN2	20.1	326	eP	19 42 34.4	2.2
			pP	19 42 47.0	5.6
			eS	19 46 12.0	0.9
			LE	M _s =4.7	11.0 1.10
QZH	20.2	267	eP	19 42 34.0	0.8

			S	19 46 13.0	0.7				SSE	17.4	284	P	00 30 07.0	1.9			
			SS	19 46 46.0	4.2							eS	00 33 16.0	1.8			
			LE	Ms=4.3	10.0	0.40						sS	00 33 35.0	4.1			
TIA	21.7	298	-P	19 42 48.3	-0.4							LN	Ms=4.7	10.0	0.45		
			S	19 46 49.0	8.0							LE		10.0	1.20		
			LN	Ms=4.4	14.0	0.50			MDJ	18.7	334	eP	00 30 24.5	3.1			
			LE		11.0	0.30			DL2	19.3	309	eP	00 30 27.2	-0.4			
WHN	23.3	283	P	19 43 05.5	1.3							eS	00 34 06.0	9.8			
			S	19 47 10.6	1.1				NJ2	19.5	287	+P	00 30 29.0	-0.6			
			SME	m _B =5.4	12.0	1.20						PMZ	m _B =5.4	4.0	0.79		
BJI	23.7	307	eP	19 43 07.0	-1.1							S	00 34 08.0	8.2			
			eS	19 47 11.0	-6.1							LN	Ms=4.7	11.0	0.95		
			LN	Ms=4.3	11.0	0.40						LE		12.5	1.10		
TIY	25.7	299	P	19 43 27.4	-0.4				SNY	19.6	318	+P	00 30 35.0	3.6			
			LN	Ms=4.5	11.0	0.40						eS	00 34 12.5	8.4			
			LE		12.0	0.40						LN	Ms=5.0	11.0	1.40		
HHC	27.3	306	P	19 43 40.6	-1.4							LE		11.0	1.76		
XAN	28.0	290	eP	19 43 47.0	-1.6				CN2	19.9	326	-P	00 30 38.4	3.6			
BTO	28.3	304	eP	19 43 50.0	-1.4							LN	Ms=5.0	11.0	2.40		
			ePP	19 44 41.0	-1.2				QZH	20.2	266	-P	00 30 36.0	-1.8			
			S	19 48 30.0	-2.7							pP	00 30 49.0	-0.6			
			LN	Ms=4.6	14.0	0.40						S	00 34 23.0	7.2			
			LE		15.0	0.50						l	Ms=4.5	16.0	1.10		
GYA	30.4	275	P	19 44 10.0	-0.3				TIA	21.6	298	-P	00 30 51.8	-0.4			
LZH	32.3	294	eP	19 44 25.0	-1.8							esP	00 31 17.8	7.2			
			PMZ			1.5	0.070		WHN	23.2	282	eP	00 31 08.0	-0.1			
CD2	32.4	284	P	19 44 26.9	-0.6							SME	m _B =5.9	12.0	3.40		
			eS	19 49 41.0	2.9							LN	Ms=5.0	11.0	1.70		
			LN	Ms=4.9	12.0	0.90			BJI	23.6	307	eP	00 31 10.5	-0.7			
KMI	34.2	274	eP	19 44 41.5	-1.5							epP	00 31 31.0	7.2			
GTA	35.8	299	iP	19 44 55.4	-1.2							eS	00 35 14.0	-3.7			
LSA	43.3	285	eP	19 46 00.4	0.5							LN	Ms=4.8	11.0	0.97		
WMQ	45.1	305	P	19 46 12.8	-1.1							LE		13.0	1.03		
									GZH	25.3	265	eP	00 31 30.0	1.8			
												S	00 35 55.0	7.9			
												SMN	m _B =5.6	12.0	0.88		
												SME		11.0	1.77		
									TIY	25.6	299	P	00 31 31.0	-0.1			
												LN	Ms=4.8	13.5	1.10		
												LE		12.0	0.69		
									HHC	27.1	305	eP	00 31 45.0	-0.1			
												S	00 36 25.0	8.4			
												LE	Ms=4.8	14.0	1.30		
									XAN	27.9	290	eP	00 31 50.4	-1.8			
												eS	00 36 30.0	-0.2			
												SME	m _B =5.1	11.0	0.50		
												LE	Ms=4.8	12.0	1.00		
									BTO	28.2	304	+P	00 31 54.5	-0.1			
												ePP	00 32 46.0	0.7			
												eS	00 36 41.0	6.5			

1985 9 19

O=20 38 38.3 ± 0.41s

LAT=22.27 S ± 2.69km

LONG=68.95 W ± 1.40km

DEPTH=83 km ± 3.60km

STATIONS USED = 22, STAND DEV = 3.11s

WMQ 151.1 36 PKP 20 58 22.0 5.0

XAN 168.1 9 ePKP 20 58 35.6 -0.3

1985 9 20

O=00 26 04.6 ± 0.13s

LAT=28.18 N ± 1.96km

LONG=140.91 E ± 2.28km

DEPTH=55 km ± 0.46km

STATIONS USED = 66, STAND DEV = 1.86s

Ms=4.8/19, m_B=5.5/4

CN2	20.1	326	P	02 46 27.0	-1.9
TIA	21.7	298	cP	02 46 44.6	-0.7
BJI	23.7	307	cP	02 47 03.0	-1.7
TIY	25.7	300	P	02 47 25.8	1.4
XAN	28.0	291	cP	02 47 44.3	-0.8
GYA	30.4	275	cP	02 48 09.6	2.9
CD2	32.4	284	cP	02 48 24.3	0.3
GTA	35.8	299	P	02 48 52.0	-1.2

1985 9 20

O=03 06 19.9 ± 0.14s

LAT=28.20 N ± 2.09km

LONG=141.11 E ± 2.91km

DEPTH= 48 km ± 1.09km

STATIONS USED = 19, STAND DEV = 2.26s

Ms=4.3/ 4, m_B=5.5/ 1

SSE	17.6	284	cP	03 10 22.0	-1.0
			S	03 13 34.0	0.3
			SS	03 13 57.0	0.7
			LE	Ms=4.3	16.0 0.86
DL2	19.4	308	cP	03 10 41.0	-3.9
QZH	20.4	266	+P	03 10 55.5	-0.1
			S	03 14 39.0	3.2
TIA	21.8	298	cP	03 11 08.9	-0.7
WHN	23.4	282	cP	03 11 28.0	2.2
			S	03 15 37.0	5.9
			SME	m _B =5.5	12.0 1.40
TIY	25.8	299	cP	03 11 48.5	0.0
			LN	Ms=4.3	15.0 0.45
XAN	28.1	290	cP	03 12 08.8	-0.9
			cS	03 16 51.0	1.5
			LN	Ms=4.4	11.0 0.32
CD2	32.5	284	P	03 12 49.0	0.2
			cS	03 18 02.5	3.2
			LN	Ms=4.8	11.0 0.70
GTA	35.8	299	P	03 13 16.2	-1.1
WMQ	45.2	305	P	03 14 34.0	-0.3

1985 9 20

O=03 13 04.9 ± 0.12s

LAT=27.98 N ± 3.07km

LONG=140.93 E ± 2.74km

DEPTH= 38 km ± 1.17km

STATIONS USED = 39, STAND DEV = 2.14s

Ms=4.6/ 9, m_B=5.6/ 1

NJ2	19.5	287	+P	03 17 32.5	0.3
			S	03 21 10.0	5.5
			LN	Ms=4.5	11.0 0.50
			LE		11.0 0.70
SNY	19.8	319	cP	03 17 38.4	3.5

QZH	20.2	267	+P	03 17 37.0	-2.6
			S	03 21 15.0	-3.9
			SS	03 21 46.0	-2.5
			LN	Ms=4.2	11.0 0.40
TIA	21.7	298	cP	03 17 53.4	-1.7
WHN	23.3	283	cP	03 18 11.5	0.9
			S	03 22 18.5	2.5
			SME	m _B =5.6	11.0 1.90
			LN	Ms=4.8	10.0 1.00
BJI	23.7	307	cP	03 18 13.0	-1.4
TIY	25.7	299	cP	03 18 33.5	-0.6
			LE	Ms=4.6	10.5 0.60
HHC	27.3	306	+P	03 18 46.6	-1.7
			S	03 23 20.0	-2.3
			LE	Ms=4.5	11.0 0.50
XAN	28.0	290	cP	03 18 54.0	-0.9
			cS	03 23 31.0	-4.2
			LE	Ms=4.6	11.0 0.50
BTO	28.3	304	cP	03 18 56.9	-0.8
			cS	03 23 39.0	-1.1
			LN	Ms=4.5	14.0 0.40
			LE		14.0 0.40
GYA	30.5	275	P	03 19 18.6	1.9
CD2	32.4	284	cP	03 19 34.0	0.2
			LN	Ms=5.0	12.0 1.10
GTA	35.8	299	P	03 20 01.2	-1.7
WMQ	45.2	305	P	03 21 19.5	-0.7

1985 9 20

O=03 41 14.7 ± 0.15s

LAT=28.13 N ± 3.49km

LONG=140.72 E ± 3.31km

DEPTH= 28 km ± 1.22km

STATIONS USED = 30, STAND DEV = 2.75s

Ms=4.4/ 6, m_B=5.1/ 2

DL2	19.2	309	cP	03 45 40.0	0.9
NJ2	19.3	287	cP	03 45 34.5	-6.2
			S	03 49 04.0	-7.1
			SME	m _B =4.9	10.0 0.47
			LE	Ms=4.3	12.0 0.50
QZH	20.1	266	cP	03 45 51.0	2.2
			S	03 49 34.0	6.8
			LN	Ms=4.1	11.0 0.30
TIA	21.5	298	cP	03 46 03.6	-0.2
WHN	23.1	282	cP	03 46 20.5	0.9
			S	03 50 28.5	4.1
			SME	m _B =5.3	11.0 1.20
			LN	Ms=4.6	10.0 0.66
BJI	23.5	307	cP	03 46 22.0	-1.2
			cS	03 50 31.0	-0.5

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TIY	25.5	299	cP	03 46 43.0	0.0		
			S	03 51 12.0	6.4		
			LN			Ms=4.6	12.0 0.58
			LE				12.0 0.40
HHC	27.0	306	-iP	03 46 56.8	-0.4		
XAN	27.8	290	cP	03 47 03.8	-0.2		
			eS	03 51 43.0	-0.8		
			LE			Ms=4.3	12.0 0.30
BTO	28.1	304	cP	03 47 05.3	-1.4		
			eS	03 51 49.0	0.5		
			LN			Ms=4.5	13.0 0.40
			LE				13.0 0.30
GYA	30.3	275	cP	03 47 26.3	0.2		
CD2	32.2	284	cP	03 47 42.6	-0.5		
WMQ	44.9	305	P	03 49 21.5	-8.0		

1985 9 20

O=05 53 53.6 ± 0.09s
 LAT=36.30 N ± 1.58km
 LONG= 71.27 E ± 1.39km
 DEPTH=129 km ± 0.72km
 STATIONS USED = 22, STAND DEV = 2.45s

M_L=4.5/ 2,

WMQ	14.6	54	P	05 57 14.5	-1.2		
			S	05 59 53.5	-0.9		
			LN				1.5 0.10
GTA	22.7	73	P	05 58 48.6	3.2		
CD2	27.5	92	P	05 59 28.0	-2.4		

1985 9 20

O=14 30 46.0 ± 0.20s
 LAT=28.33 N ± 3.24km
 LONG=140.95 E ± 6.25km
 DEPTH= 33 km ± 2.74km
 STATIONS USED = 35, STAND DEV = 2.66s

M_s=4.6/ 12, m_B=5.5/ 13

SSE	17.4	284	+P	14 34 48.0	0.1		
			PMZ			m _B =5.2	10.0 1.30
			S	14 38 01.0	3.0		
			sS	14 38 12.0	1.5		
			eSS	14 38 22.0	2.3		
			LN			Ms=4.6	10.0 0.90
			LE				10.0 0.60
MDJ	18.6	334	P	14 35 04.0	0.9		
			S	14 38 28.0	2.3		
DL2	19.2	308	cP	14 35 07.0	-3.1		
NJ2	19.4	286	+P	14 35 14.5	1.7		
			PMZ			m _B =5.5	5.5 1.40
			S	14 38 48.0	3.6		
			LN			Ms=4.6	11.0 0.70

			LE				12.0 0.80
SNY	19.5	318	-P	14 35 13.0	-0.7		
			eS	14 38 50.0	2.9		
			LE			Ms=4.7	10.0 1.10
CN2	19.8	325	P	14 35 16.0	-1.0		
			PMZ			m _B =5.2	4.5 0.50
			eS	14 38 56.0	2.4		
			LN			Ms=4.9	10.0 1.80
QZH	20.3	266	cP	14 35 22.0	0.4		
			PP	14 35 43.0	1.4		
			S	14 39 09.0	7.2		
TIA	21.6	297	cP	14 35 30.0	-5.2		
			PMZ			m _B =5.4	6.0 1.10
			eS	14 39 23.0	-4.7		
			SMN			m _B =5.5	8.0 1.10
			SME				8.0 0.40
			LN			Ms=4.4	12.0 0.60
WHN	23.3	282	cP	14 35 51.5	-0.1		
			PMZ			m _B =5.6	6.0 1.50
			S	14 40 00.0	2.9		
			SMN			m _B =5.8	7.0 1.90
			LN			Ms=4.9	10.0 1.40
BJI	23.5	306	cP	14 35 55.0	0.9		
			PMZ			m _B =4.9	6.0 0.30
			eS	14 40 03.0	0.7		
			SMN			m _B =5.6	7.0 1.10
			SME				10.0 1.10
			LN			Ms=4.8	10.0 0.95
			LE				11.0 0.56
GZH	25.4	264	cP	14 36 12.0	-0.2		
TIY	25.6	299	cP	14 36 13.1	-1.2		
			PMZ			m _B =5.8	5.0 1.30
			LN			Ms=4.6	14.0 0.40
			LE				12.0 0.56
HHC	27.1	305	cP	14 36 24.0	-4.2		
			S	14 40 59.0	-2.5		
			LN			Ms=4.7	11.0 0.50
			LE				11.0 0.49
XAN	27.9	290	cP	14 36 32.6	-3.0		
			eS	14 41 13.0	-2.7		
			SME			m _B =5.0	12.0 0.50
			LN			Ms=4.5	13.0 0.57
CD2	32.3	284	cP	14 37 11.8	-3.1		

1985 9 20

O=15 01 26.5 ± 0.09s
 LAT=24.73 N ± 1.59km
 LONG=122.13 E ± 1.34km
 DEPTH= 31 km ± 1.18km
 STATIONS USED = 92, STAND DEV = 1.90s

$M_s = 5.8 / 26,$		$m_B = 5.7 / 10$					
QZH	3.2	275	ePn	15 02 15.5	0.0		
			Pg	15 02 26.0	2.4	HHC	18.3 334
			Sn	15 02 51.8	-2.6		
			Sg	15 03 12.5	4.6		
			LE	$M_s = 5.2$	6.0	40.0	
SSE	6.4	353	+iPn	15 02 59.0	-0.1		
			PMZ		0.8	0.45	
			Sn	15 04 17.0	4.0		
			LN	$M_s = 5.5$	11.0	31.4	
			LE		10.0	42.0	
NJ2	7.8	339	iPn	15 03 18.8	-0.2		
			Sn	15 04 44.3	-4.5		
GZH	8.2	260	-iP	15 03 26.3	-0.1		
			S	15 04 52.4	-6.4		
			LN	$M_s = 5.3$	16.0	28.6	
			LE		16.0	6.67	
TIA	12.2	341	cP	15 04 17.6	-4.0		
			cS	15 06 44.3	6.3		
			SS	15 06 59.0	6.7		
			LN	$M_s = 5.8$	11.0	23.9	
			LE		10.0	26.0	
QZN	12.7	246	cP	15 04 27.8	-0.7		
			S	15 06 57.5	7.7		
			LN	$M_s = 5.4$	11.0	9.50	
			LE		10.0	9.10	
GYA	14.1	280	-P	15 04 47.0	0.9		
			pP	15 04 57.0	4.1		
			S	15 07 16.8	-4.8		
			LN	$M_s = 6.0$	10.0	24.8	
			LE		10.0	26.4	
DL2	14.1	358	P	15 04 48.0	1.1		
XAN	14.8	312	cP	15 04 54.0	-1.3		
			LN	$M_s = 5.9$	13.0	33.7	
TIY	15.4	330	cP	15 05 03.0	0.0		
			LE	$M_s = 5.8$	12.0	27.6	
BJI	16.1	343	cP	15 05 14.0	2.0		
			sP	15 05 25.0	1.4		
			cS	15 08 18.0	8.9		
			SMN	$m_B = 6.3$	12.0	19.4	
			LN	$M_s = 5.8$	12.0	23.5	
SNY	17.1	4	+P	15 05 26.0	1.1		
			PMZ	$m_B = 5.5$	5.0	1.10	
			sP	15 05 33.0	-3.7		
			S	15 08 39.0	6.8		
			LN	$M_s = 5.9$	10.0	18.0	
			LE		10.0	10.5	
CD2	17.4	295	cP	15 05 28.9	0.4		
KMI	17.6	275	-P	15 05 32.0	0.5		
			sP	15 05 40.0	-3.0		
			cS	15 08 46.5	1.8		
			LE	$M_s = 6.2$	11.0	45.0	
			P	15 05 42.4	1.8		
			PMZ	$m_B = 5.9$	6.0	3.86	
			PP	15 05 55.0	-0.4		
			S	15 09 08.0	7.5		
			SMN	$m_B = 5.7$	10.0	1.77	
			SME		10.0	3.10	
			LN	$M_s = 5.9$	10.0	17.8	
			LE		10.0	5.70	
			+iP	15 05 48.0	1.8		
			sP	15 05 53.0	-4.8		
			PP	15 06 03.0	1.2		
			iS	15 09 14.0	2.4		
			SMN	$m_B = 5.7$	8.0	1.80	
			SME		8.0	2.20	
			LN	$M_s = 5.9$	11.0	15.5	
			LE		11.0	14.4	
			+iP	15 05 51.0	0.0		
			PMZ		3.0	1.80	
			pP	15 05 55.0	-3.4		
			cS	15 09 19.0	-1.8		
			SMN	$m_B = 5.7$	6.0	2.00	
			sS	15 09 25.0	-7.4		
			LN	$M_s = 6.0$	11.5	27.3	
			cP	15 05 55.0	2.0		
			PMZ	$m_B = 5.7$	7.0	2.46	
			pP	15 05 59.0	-1.3		
			cS	15 09 29.5	4.8		
			SME	$m_B = 5.8$	9.0	3.20	
			LE	$M_s = 5.7$	10.0	12.6	
			-P	15 06 08.3	0.9		
			pP	15 06 11.5	-4.2		
			sP	15 06 15.5	-4.3		
			S	15 09 55.0	3.0		
			LE	$M_s = 6.0$	14.0	27.4	
			iP	15 06 39.3	1.1		
			P	15 07 16.8	-0.3		
			S	15 12 02.0	5.7		
			LN	$M_s = 5.8$	16.0	13.8	
			+P	15 08 09.4	0.1		
			PMZ		1.5	0.080	
			pP	15 08 13.4	-4.7		
			PP	15 09 25.5	2.9		
			ScP	15 14 29.0	0.9		
			S	15 13 36.0	5.8		
			LN	$M_s = 4.0$	11.0	0.10	
			cP	15 09 13.0	1.4		

1985 9 20

O = 15 22 53.3 ± 0.10s
 LAT = 24.61 N ± 1.06km
 LONG = 122.13 E ± 1.24km
 DEPTH = 5 km ± 0.69km
 STATIONS USED = 11, STAND DEV = 2.26s

$M_L = 3.9 / 4,$

QZH	3.2	277	cPn	15 23 48.5	3.5		
			Pg	15 23 59.5	9.1		
			SMN	$M_L = 3.9$	0.8	0.45	
			SME		0.8	0.45	
SSE	6.5	353	Pn	15 24 31.3	1.2		
			SME	$M_L = 3.9$	1.0	0.067	
CN2	19.3	7	P	15 27 24.6	2.2		

1985 9 20

O = 15 48 43.9 ± 0.16s
 LAT = 21.63 N ± 1.37km
 LONG = 111.69 E ± 1.16km
 DEPTH = 2 km ± 0.43km
 STATIONS USED = 8, STAND DEV = 3.20s

$M_L = 4.1 / 3,$

GZH	2.1	46	Pn	15 49 16.6	-3.8		
			Pg	15 49 21.0	-0.1		
			Sg	15 49 46.0	-3.9		
			SMN	$M_L = 4.1$	0.4	1.10	
			SME		0.4	1.70	
QZN	3.1	214	Pn	15 49 34.9	0.6		
			Sn	15 50 16.9	2.8		
			Sg	15 50 26.9	5.4		
			SMN	$M_L = 3.7$	0.4	0.25	
			SME		0.4	0.30	
GYA	6.6	317	Pn	15 50 25.6	2.6		
			Pg	15 50 47.2	5.9		
			Sn	15 51 39.4	-2.2		
			Sg	15 52 12.0	-0.2		
			SMN	$M_L = 4.4$	1.2	0.20	
			SME		1.2	0.20	
XAN	12.6	349	cP	15 51 50.4	3.1		

1985 9 20

O = 16 05 57.0 ± 0.15s
 LAT = 24.32 N ± 1.91km
 LONG = 122.36 E ± 2.06km
 DEPTH = 5 km ± 1.34km
 STATIONS USED = 8, STAND DEV = 4.01s

$M_L = 3.4 / 2,$

QZH	3.5	281	cPn	16 06 53.3	1.2		
			cSn	16 07 31.1	-4.6		
			SMN	$M_L = 3.2$	0.5	0.10	
			SME		0.5	0.040	

1985 9 20

O = 18 01 03.3 ± 0.10s
 LAT = 26.44 S ± 2.45km
 LONG = 177.24 W ± 2.06km
 DEPTH = 138 km ± 0.96km
 STATIONS USED = 27, STAND DEV = 1.67s

NJ2	84.2	310	+P	18 13 20.6	-0.7		
MDJ	85.8	325	-cP	18 13 29.5	0.5		
CN2	87.4	322	+P	18 13 36.3	-0.7		
TIA	87.8	313	cP	18 13 37.8	-1.0		
BJI	90.6	315	cP	18 13 51.0	-1.0		
TIY	91.7	312	P	18 13 58.0	0.6		
XAN	92.3	307	cP	18 13 59.6	-0.2		
KMI	92.6	297	cP	18 14 02.5	0.8		
CD2	94.5	302	cP	18 14 11.3	1.1		

1985 9 20

O = 20 03 35.2 ± 0.09s
 LAT = 27.40 N ± 0.93km
 LONG = 103.53 E ± 0.80km
 DEPTH = 26 km ± 0.51km
 STATIONS USED = 10, STAND DEV = 3.40s

$M_L = 2.9 / 4,$

KMI	2.4	198	cPn	20 04 14.0	0.8		
GYA	3.0	108	Pn	20 04 21.3	0.3		
			Pg	20 04 28.0	0.6		
			Sg	20 05 03.8	-4.1		
			SMN	$M_L = 3.0$	1.0	0.070	
			SME		1.0	0.040	
CD2	3.5	3	cPn	20 04 31.4	2.8		
			Pg	20 04 40.3	3.0		
			Sg	20 05 26.6	1.3		
XAN	8.1	34	cP	20 05 31.3	-2.7		
			S	20 07 01.8	-3.4		

1985 9 21

O = 01 37 12.8 ± 0.19s
 LAT = 18.13 N ± 4.67km
 LONG = 101.37 W ± 6.32km
 DEPTH = 18 km ± 1.44km
 STATIONS USED = 73, STAND DEV = 3.73s

$M_s = 7.8 / 22,$

MDJ	102.2	325	+P	01 51 08.0	-1.1		
			PMZ			24.0	22.9
			PP	01 55 15.0	-7.4		
			SKS	02 01 46.0	0.9		
			S	02 02 41.0	-5.4		
			LN	$M_s = 7.6$	14.0	82.4	
CN2	104.9	327	+P	01 51 20.0	-1.2		

LONG = 100.99 E ± 0.32km
 DEPTH = 11 km ± 0.14km
 STATIONS USED = 5, STAND DEV = 2.48s
 $M_L = 3.0 / 1,$
 CD2 2.4 94 Pn 04 19 46.4 -0.3
 Pg 04 19 48.3 -1.0
 Sg 04 20 21.4 -0.5

1985 9 21
 O = 04 51 35.8 ± 0.07s
 LAT = 28.11 N ± 1.44km
 LONG = 140.72 E ± 1.59km
 DEPTH = 21 km ± 0.36km
 STATIONS USED = 13, STAND DEV = 1.82s
 TIA 21.5 298 eP 04 56 26.1 0.3
 XAN 27.8 290 eP 04 57 25.8 -0.2
 CD2 32.2 284 eP 04 58 05.3 0.2
 GTA 35.6 299 P 04 58 33.3 -0.8
 WMQ 44.9 305 P 04 59 51.5 -0.1

1985 9 21
 O = 05 20 54.4 ± 0.18s
 LAT = 28.81 N ± 4.62km
 LONG = 140.83 E ± 4.95km
 DEPTH = 21 km ± 2.10km
 STATIONS USED = 31, STAND DEV = 3.15s
 $M_s = 4.8 / 10,$ $m_B = 5.4 / 10$
 SSE 17.2 282 P 05 24 57.0 1.9
 PMZ $m_B = 5.4$ 7.0 1.30
 LN $M_s = 4.7$ 12.0 1.77
 MDJ 18.1 333 eP 05 25 10.0 2.9
 LE $M_s = 4.7$ 11.0 1.50
 DL2 18.8 307 eP 05 25 15.0 -0.5
 PMZ $m_B = 5.3$ 6.0 0.80
 S 05 28 50.0 9.0
 SMN $m_B = 5.6$ 8.0 1.67
 SME 6.0 1.10
 LN $M_s = 4.8$ 12.0 1.80
 SNY 19.1 317 eP 05 25 18.0 -0.9
 S 05 28 41.0 -6.3
 LN $M_s = 4.9$ 12.0 1.30
 LE 12.0 1.86
 NJ2 19.2 285 +P 05 25 18.8 -1.4
 PMZ $m_B = 5.7$ 5.0 1.70
 QZH 20.2 264 +P 05 25 28.0 -3.0
 PMZ $m_B = 5.4$ 6.5 1.30
 S 05 29 14.0 2.6
 SMN $m_B = 5.4$ 6.0 1.00
 LN $M_s = 4.3$ 11.0 0.50
 TIA 21.3 296 eP 05 25 38.9 -3.2

WHN 23.1 281 eP 05 25 58.0 -1.8
 LN $M_s = 5.0$ 11.0 1.70
 BJI 23.1 305 eP 05 26 02.0 1.4
 PMZ $m_B = 5.1$ 6.0 0.50
 TIY 25.3 298 eP 05 26 24.0 2.6
 PMZ $m_B = 5.8$ 5.0 1.30
 S 05 30 40.5 -2.3
 LE $M_s = 6.6$ 17.0 91.8
 HHC 26.7 304 eP 05 26 32.0 -3.0
 XAN 27.7 289 P 05 26 40.6 -2.8
 S 05 31 30.0 8.2
 LN $M_s = 4.8$ 11.0 0.68
 LE 13.0 0.86
 BTO 27.8 303 eP 05 26 43.6 -1.0
 GTA 35.3 298 P 05 27 50.0 -0.7
 WMQ 44.6 304 P 05 29 06.5 -1.2
 KSH 53.7 300 eP 05 30 11.0 -6.7

1985 9 21
 O = 07 31 47.8 ± 0.11s
 LAT = 28.26 N ± 2.07km
 LONG = 140.86 E ± 2.22km
 DEPTH = 68 km ± 0.62km
 STATIONS USED = 66, STAND DEV = 1.61s
 $M_s = 4.6 / 15,$ $m_B = 5.4 / 7$
 SSE 17.3 284 P 07 35 48.0 1.1
 S 07 38 52.0 -3.2
 sS 07 39 16.0 -1.8
 SS 07 39 21.0 2.5
 LN $M_s = 4.5$ 14.0 1.20
 DL2 19.2 309 P 07 36 09.0 0.1
 S 07 39 46.0 9.6
 LN $M_s = 4.7$ 12.0 1.30
 NJ2 19.4 287 +P 07 36 11.0 -0.2
 PMZ $m_B = 5.4$ 4.0 0.80
 sP 07 36 34.0 0.4
 cS 07 39 44.0 2.4
 SMN $m_B = 5.5$ 10.0 1.20
 SME 12.0 0.90
 LE $M_s = 4.6$ 13.0 1.30
 SNY 19.5 318 eP 07 36 13.4 0.7
 S 07 39 49.0 5.1
 LN $M_s = 4.7$ 11.0 0.79
 LE 11.5 1.20
 CN2 19.8 325 eP 07 36 10.5 -5.6
 pP 07 36 25.0 -4.9
 cS 07 39 50.0 -1.0
 LE $M_s = 4.4$ 11.0 0.60
 QZH 20.2 266 eP 07 36 18.0 -1.6
 cS 07 39 55.0 -2.8

LE Ms=5.1 10.0 0.68
KSH 54.4 300 cP 19 12 47.0 4.0
cS 19 20 23.0 7.3

1985 9 22

O=00 06 42.6 ± 0.13s
LAT=28.14 N ± 2.72km
LONG=140.86 E ± 2.35km
DEPTH= 33 km ± 1.12km
STATIONS USED = 32, STAND DEV = 2.25s

Ms=4.2 / 3,

m_B=5.1 / 1

NJ2 19.4 287 +P 00 11 10.6 1.4
LE Ms=4.2 11.0 0.40

TIA 21.6 298 cP 00 11 31.4 -0.6

WHN 23.2 282 cP 00 11 50.0 2.1

cS 00 16 02.0 8.0

SME m_B=5.1 10.0 0.66

LN Ms=4.4 10.0 0.44

BJI 23.6 307 cP 00 11 47.0 -4.2

cS 00 16 05.0 5.1

LN Ms=4.0 12.0 0.20

XAN 27.9 290 +P 00 12 31.6 -0.6

BTO 28.2 304 cP 00 12 34.0 -0.7

cS 00 17 20.0 3.2

GYA 30.4 275 cP 00 12 54.0 -0.3

CD2 32.3 284 cP 00 13 11.0 -0.3

GTA 35.6 299 P 00 13 39.6 -0.5

1985 9 22

O=01 39 12.2 ± 0.12s

LAT=28.11 N ± 2.12km

LONG=140.85 E ± 1.66km

DEPTH= 15 km ± 0.25km

STATIONS USED = 50, STAND DEV = 1.74s

Ms=4.5 / 13,

m_B=5.3 / 2

SSE 17.4 285 P 01 43 12.0 -3.9

SS 01 46 42.0 -6.1

LN Ms=4.4 12.0 0.90

NJ2 19.4 287 +P 01 43 41.5 0.4

S 01 47 12.0 -1.6

LN Ms=4.3 12.0 0.60

SNY 19.6 319 +P 01 43 46.5 3.0

LN Ms=4.8 12.0 0.97

LE 12.0 1.30

QZH 20.2 266 cP 01 43 50.0 0.8

cS 01 47 29.0 -1.2

LN Ms=4.3 10.0 0.40

TIA 21.6 298 cP 01 44 04.0 -0.1

cS 01 48 01.0 2.6

SMN m_B=5.0 9.5 0.60

LN Ms=4.4 11.5 0.60
WHN 23.2 282 cP 01 44 22.0 2.0
cS 01 48 27.0 -0.5

SME m_B=5.5 10.0 1.80

LN Ms=4.7 10.0 0.80

BJI 23.6 307 cP 01 44 22.0 -1.4

cS 01 48 33.0 -0.7

cSS 01 49 19.0 -1.6

LN Ms=4.7 13.0 0.70

LE 13.0 0.70

TIY 25.6 299 P 01 44 43.0 -0.3

S 01 49 15.5 7.7

LN Ms=4.5 12.0 0.40

LE 12.0 0.30

XAN 27.9 290 cP 01 45 03.4 -0.9

S 01 49 46.0 0.9

LE Ms=4.6 11.0 0.50

BTO 28.2 304 P 01 45 06.0 -0.9

cPP 01 45 54.0 -2.6

cS 01 49 44.0 -6.7

LN Ms=4.5 14.0 0.40

LE 14.0 0.40

GYA 30.4 275 P 01 45 27.0 0.6

CD2 32.3 284 cP 01 45 42.8 -0.6

cS 01 50 50.0 -5.8

LN Ms=5.1 12.0 1.40

GTA 35.7 299 +cP 01 46 11.8 -0.5

cS 01 51 46.5 -1.4

LN Ms=4.7 13.0 0.60

LSA 43.3 285 cP 01 47 15.0 -0.9

WMQ 45.0 305 P 01 47 28.0 -1.8

KSH 54.1 300 cP 01 48 39.0 -0.1

1985 9 22

O=02 43 35.5 ± 0.15s

LAT=28.30 N ± 2.44km

LONG=141.03 E ± 2.39km

DEPTH= 45 km ± 0.56km

STATIONS USED = 65, STAND DEV = 2.13s

Ms=4.8 / 20,

m_B=5.4 / 5

SSE 17.5 284 cP 02 47 38.0 0.4

SS 02 51 02.0 -7.9

LE Ms=4.6 12.0 1.20

MDJ 18.7 334 cP 02 47 54.0 1.6

S 02 51 22.0 7.3

LE Ms=4.7 14.0 1.80

NJ2 19.5 286 +P 02 48 02.6 0.4

PMZ m_B=5.6 4.0 1.20

S 02 51 41.0 7.1

LN Ms=4.7 12.0 1.50

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SNY	19.6	318	+P	02 48 09.3	6.3					pP	02 50 35.5	4.4		
			cPP	02 48 30.0	8.9					eS	02 55 46.0	3.2		
			LN	$M_s=5.0$	12.0	1.50				LN	$M_s=5.0$	14.0	1.20	
			LE		12.0	1.98	GTA	35.7	299	P	02 50 31.1	-1.1		
CN2	19.9	325	-P	02 48 10.0	3.8					S	02 56 06.5	2.7		
			eS	02 51 52.0	9.5					LN	$M_s=5.0$	14.0	1.10	
			LE	$M_s=4.9$	12.0	2.30	LSA	43.4	284	cP	02 51 36.0	-0.2		
QZH	20.3	266	cP	02 48 08.5	-2.3					eS	02 58 04.0	3.2		
			S	02 51 54.0	3.4		WMQ	45.0	305	P	02 51 48.5	-0.8		
			LE	$M_s=4.3$	15.0	0.58	KSH	54.1	300	cP	02 52 59.0	0.3		
TIA	21.7	297	cP	02 48 24.4	0.0									
			eS	02 52 23.0	6.7									
			SMN	$m_B=5.3$	10.0	0.85	1985 9 22							
			LN	$M_s=4.6$	10.5	0.77	O=03 22 01.5 ± 0.05s							
			LE		11.0	0.48	LAT=27.99 N ± 1.08km							
							LONG=140.91 E ± 1.09km							
							DEPTH=35 km ± 0.25km							
							STATIONS USED = 11, STAND DEV = 1.39s							
WHN	23.3	282	cP	02 48 40.5	-0.2		CD2	32.4	284	cP	03 28 32.0	1.4		
			S	02 52 47.5	1.9		GTA	35.8	299	P	03 28 58.3	-1.4		
			SME	$m_B=5.8$	10.0	2.65	1985 9 22							
			LN	$M_s=4.8$	11.0	1.30	O=05 15 42.3 ± 0.10s							
							LAT=8.92 S ± 1.62km							
							LONG=122.36 E ± 2.14km							
							DEPTH=98 km ± 0.45km							
							STATIONS USED = 75, STAND DEV = 1.47s							
							$m_B=5.7 / 1$							
BJI	23.6	306	cP	02 48 41.5	-1.7		QZN	30.4	336	cP	05 21 48.6	1.0		
			eS	02 52 54.0	3.3		GZH	33.0	345	cP	05 22 11.0	0.6		
			SME	$m_B=5.2$	12.0	0.78	QZH	33.9	354	-P	05 22 17.8	0.1		
			LN	$M_s=4.7$	12.0	0.80	GYA	38.3	337	P	05 22 56.6	1.0		
			LE		14.0	0.89				pP	05 23 20.0	2.1		
GZH	25.5	265	cP	02 49 07.0	5.8					ScP	05 28 46.8	2.0		
			eS	02 53 30.0	7.5									
TIY	25.7	299	cP	02 49 03.0	-0.4		KMI	38.9	331	cP	05 23 01.5	1.4		
			LN	$M_s=4.8$	13.0	0.80				pP	05 23 26.0	3.7		
			LE		12.0	0.80	SSE	39.8	358	P	05 23 09.4	1.7		
HHC	27.2	305	P	02 49 16.5	-0.7					PMZ		1.2	0.090	
			LE	$M_s=4.7$	12.0	0.80	WHN	40.0	349	cP	05 23 10.5	1.3		
XAN	28.0	290	cP	02 49 23.0	-1.7		NJ2	40.9	355	+P	05 23 17.0	0.5		
			S	02 54 08.0	5.0		CD2	43.4	336	P	05 23 38.0	0.5		
			LN	$M_s=4.8$	11.0	0.50	XAN	44.6	344	+P	05 23 46.0	-0.8		
			LE		11.0	0.68				pP	05 24 09.7	0.3		
BTO	28.2	304	cP	02 49 26.0	-0.7		TIA	45.2	354	cP	05 23 50.0	-1.3		
			cPP	02 50 17.0	-0.2		TIY	47.3	349	P	05 24 07.1	-1.3		
			S	02 54 08.0	1.4		LSA	48.7	323	cP	05 24 15.5	-4.4		
			LN	$M_s=4.8$	13.0	0.60				eS	05 31 12.0	-2.7		
			LE		15.0	0.90				SME	$m_B=5.7$	4.0	0.40	
GYA	30.5	275	P	02 49 47.0	-0.2		BJI	49.0	354	cP	05 24 21.0	-0.7		
			S	02 54 45.0	1.9		SNY	50.5	1	cP	05 24 31.3	-1.6		
			LN	$M_s=5.0$	12.0	1.00								
			LE		12.0	0.60								
LZH	32.3	293	cP	02 50 02.0	-0.6									
			LE	$M_s=4.8$	12.0	0.70								
CD2	32.4	284	cP	02 50 03.3	-0.5									
			eS	02 55 14.0	0.1									
			LN	$M_s=5.1$	13.0	1.80								
KMI	34.3	274	cP	02 50 20.5	0.6									

	S	08 36 44.0	0.2				
	LN		Ms=4.9	12.0	0.57		
KSH	54.4 300 cP	08 31 19.0	4.5				
1985 9 22							
	O=09 39 45.9		± 0.86s				
	LAT=25.46 N		± 5.45km				
	LONG= 97.90 E		± 5.92km				
	DEPTH= 15 km						
	STATIONS USED = 7,		STAND DEV= 3.70s				
	Ms=3.8/ 1, ML=3.6/ 4,						
KMI	4.4 93 cPg	09 41 02.5	-1.4				
	Sg	09 42 05.0	1.3				
	LN		Ms=3.8	6.0	0.96		
GYA	8.0 81 cP	09 41 49.6	5.4				
1985 9 22							
	O=11 19 08.3		± 0.14s				
	LAT=24.49 N		± 0.38km				
	LONG=121.97 E		± 0.92km				
	DEPTH= 28 km		± 1.72km				
	STATIONS USED = 9,		STAND DEV= 2.86s				
	ML=3.5/ 3,						
QZH	3.1 279 cPn	11 19 55.5	-0.3				
	Sn	11 20 30.0	-3.6				
	Sg	11 20 38.5	-7.3				
SSE	6.6 354 cPn	11 20 48.5	4.4				
	LE			1.0	0.030		
1985 9 22							
	O=13 34 28.7		± 0.09s				
	LAT= 7.13 S		± 1.66km				
	LONG=130.34 E		± 1.79km				
	DEPTH= 75 km		± 0.27km				
	STATIONS USED = 54,		STAND DEV= 1.17s				
QZN	32.9 322 cP	13 40 58.4	0.0				
NJ2	40.5 345 +P	13 42 02.8	0.9				
WHN	40.5 339 cP	13 42 03.3	1.3				
GYA	40.5 326 -P	13 42 03.0	0.5				
	PcP	13 44 05.8	2.1				
KMI	41.8 321 cP	13 42 14.0	0.7				
CD2	45.6 327 cP	13 42 43.3	-0.3				
XAN	45.7 335 P	13 42 43.0	-1.4				
TIY	47.6 341 cP	13 42 54.6	-5.1				
BJI	48.7 346 cP	13 43 08.0	0.0				
SNY	49.1 353 cP	13 43 11.0	0.0				
LZH	49.7 332 cP	13 43 16.0	0.4				
HHC	50.8 342 P	13 43 23.8	-0.1				
CN2	50.9 355 +iP	13 43 23.8	-0.8				
	PcP	13 44 40 0	0.3				

GTA	54.2 331 +iP	13 43 50.0	0.2				
	PcP	13 44 54.1	1.8				
WMQ	63.7 327 -iP	13 44 55.0	-0.2				
1985 9 22							
	O=18 23 12.2		± 0.07s				
	LAT=12.76 N		± 2.72km				
	LONG= 44.41 W		± 2.12km				
	DEPTH= 6 km		± 0.32km				
	STATIONS USED = 52,		STAND DEV= 1.23s				
	Ms=5.7/ 8,		m _B =6.4/ 1				
GTA	118.3 31 PKP	18 42 02.1	0.3				
	PP	18 43 20.5	-0.9				
LSA	119.9 45 cPKP	18 42 03.0	-2.1				
BTO	121.9 23 cPKP	18 42 08.0	-0.6				
	LN		Ms=5.8	20.0	0.80		
	LE			20.0	1.00		
HHC	122.2 21 PKP	18 42 10.0	0.7				
LZH	122.9 31 cPKP	18 42 10.0	-0.7				
CN2	123.0 9 cPKP	18 42 10.3	-0.3				
	PP	18 43 50.0	-2.8				
	PPMZ		m _B =6.4	5.0	0.50		
BJI	124.5 18 cPKP	18 42 14.0	0.5				
SNY	124.6 11 cPKP	18 42 14.3	0.6				
	PP	18 44 04.0	0.6				
	cSKS	18 49 15.0	-7.4				
	LN		Ms=5.7	19.0	0.50		
	LE			19.0	0.89		
TIY	125.3 22 cPKP	18 42 15.4	0.2				
	LN		Ms=5.7	17.0	0.60		
	LE			18.0	0.70		
CD2	126.9 35 PKP	18 42 19.3	1.0				
	PP	18 44 14.3	-4.1				
XAN	127.0 28 cPKP	18 42 18.6	0.1				
	PP	18 44 12.5	-6.6				
	LN		Ms=5.9	18.0	1.10		
	LE			16.0	0.75		
TIA	128.3 19 cPKP	18 42 21.0	0.1				
	cPP	18 44 31.0	3.0				
	cSS	19 01 46.0	6.1				
	LN		Ms=5.8	20.0	1.10		
	LE			20.0	0.80		
KMI	130.6 40 cPKP	18 42 20.5	-5.1				
	PKS	18 45 53.0					
	LE		Ms=5.9	20.0	1.50		
GYA	131.9 36 +PKP	18 42 30.0	2.0				
	PP	18 44 48.0	-3.7				
WHN	132.3 25 cPKP	18 42 28.5	-0.2				
NJ2	132.6 19 PKP	18 42 31.3	2.0				
	LE		Ms=5.7	20.0	0.89		

QZN 139.5 39 ePKP 18 42 43.5 1.6
 PP 18 45 35.0 -4.0
 LN Ms=5.7 15.0 0.70

1985 9 22

O=21 18 18.4 ± 0.06s

LAT= 3.79 N ± 0.81km

LONG=126.49 E ± 1.54km

DEPTH= 32 km ± 0.03km

STATIONS USED = 22, STAND DEV = 0.92s

GZH 23.0 328 eP 21 23 22.5 0.7
 NJ2 29.0 347 eP 21 24 18.0 0.2
 XAN 34.3 334 P 21 25 02.4 -1.5
 TIY 36.1 341 eP 21 25 19.3 -0.7
 BJI 37.3 347 eP 21 25 29.0 -0.5
 SNY 38.0 356 -P 21 25 35.8 0.5
 CN2 39.9 359 eP 21 25 50.0 -1.0
 GTA 42.9 329 P 21 26 16.4 -0.1

1985 9 22

O=23 17 50.1 ± 0.16s

LAT=28.25 N ± 3.21km

LONG=140.95 E ± 2.79km

DEPTH= 52 km ± 0.90km

STATIONS USED = 53, STAND DEV = 2.66s

Ms=4.8/21, m_B=5.5/16

SSE 17.4 284 +iP 23 21 50.0 -1.1
 PMZ m_B=5.4 8.0 1.40
 S 23 25 00.0 0.0
 sS 23 25 14.0 -2.9
 SS 23 25 22.0 -0.5
 LN Ms=4.8 12.0 1.50
 LE 12.0 1.20
 MDJ 18.7 334 eP 23 22 03.5 -3.2
 LE Ms=4.7 11.0 1.29
 DL2 19.3 308 +P 23 22 14.0 0.8
 S 23 25 50.0 8.7
 SMN m_B=5.8 8.0 0.80
 SME 7.0 2.26
 LN Ms=4.8 10.0 1.10
 LE 7.0 0.80
 NJ2 19.5 287 +P 23 22 16.0 0.4
 PMZ m_B=5.4 7.0 1.50
 S 23 25 54.0 7.9
 SMN m_B=5.7 8.0 2.00
 LN Ms=4.9 11.0 1.80
 SNY 19.6 318 P 23 22 12.0 -4.9
 LN Ms=4.9 11.0 1.48
 LE 11.0 1.30
 CN2 19.9 325 -P 23 22 16.0 -4.3

PMZ m_B=5.1 5.0 0.50
 cS 23 25 58.0 1.9
 LN Ms=4.9 10.0 1.80
 QZH 20.3 266 +P 23 22 22.5 -1.5
 PMZ m_B=5.5 6.0 1.40
 pP 23 22 44.0 8.5
 S 23 26 07.5 4.8
 LN Ms=4.4 9.0 0.50
 TIA 21.6 298 eP 23 22 32.9 -5.1
 PMZ m_B=5.4 6.5 1.20
 S 23 26 36.0 7.7
 SMN m_B=5.6 7.5 1.10
 SME 6.0 0.40
 LN Ms=4.6 10.0 0.75
 LE 10.5 0.44
 WHN 23.3 282 eP 23 22 53.5 -0.7
 S 23 26 58.0 0.1
 SME m_B=5.7 10.0 1.90
 LN Ms=4.8 10.0 1.20
 BJI 23.6 306 P 23 22 54.0 -2.9
 cS 23 27 07.0 3.4
 SMN m_B=5.3 12.0 0.70
 SME 12.0 0.50
 LN Ms=4.8 12.0 1.10
 LE 12.0 0.70
 GZH 25.4 265 -P 23 23 19.0 4.5
 SMN m_B=5.6 10.0 0.55
 SME 10.0 1.50
 TIY 25.6 299 eP 23 23 16.0 -1.0
 S 23 27 31.5 -6.5
 LE Ms=4.5 10.5 0.50
 HHC 27.1 305 -P 23 23 30.5 -0.4
 S 23 28 02.0 -0.6
 SME 13.0 1.90
 LE Ms=4.8 11.0 0.89
 XAN 27.9 290 eP 23 23 35.0 -3.2
 S 23 28 20.0 4.4
 LN Ms=4.7 11.0 0.69
 BTO 28.2 304 eP 23 23 39.8 -0.6
 cPP 23 24 28.0 -3.0
 S 23 28 21.0 1.6
 SMN m_B=5.4 8.0 0.70
 SME 8.0 0.30
 LN Ms=4.7 13.0 0.50
 LE 13.0 0.60
 QZN 29.9 259 eP 23 23 58.0 2.7
 S 23 28 54.0 7.8
 sS 23 29 16.0 7.2
 SME m_B=5.2 10.0 0.60
 GYA 30.4 275 eP 23 24 00.6 0.0

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		S	23 28 59.0	3.6			
LZH	32.2	294	eP	23 24 18.0	1.8		
CD2	32.4	284	eP	23 24 15.5	-1.8		
		S	23 29 27.0	1.7			
		LN	Ms=5.0	11.0	1.20		
KMI	34.2	274	+P	23 24 35.0	1.7		
		eS	23 29 57.0	1.9			
		LN	Ms=4.7	10.0	0.47		
GTA	35.7	299	eP	23 24 43.0	-2.8		
		ePP	23 26 04.5	-1.7			
		S	23 30 20.0	3.5			
		SMN		3.0	0.49		
		LN	Ms=4.8	13.0	0.75		
WMQ	45.0	305	P	23 26 02.0	-1.0		
		LN	Ms=5.0	10.0	0.60		
KSH	54.1	300	P	23 27 13.0	0.6		

1985 9 22

O = 23 55 00.1 ± 0.12s
 LAT = 28.19 N ± 2.80km
 LONG = 141.14 E ± 2.49km
 DEPTH = 36 km ± 0.81km
 STATIONS USED = 50, STAND DEV = 1.89s
 Ms = 4.7 / 12, m_B = 5.2 / 2

SSE	17.6	284	P	23 59 08.0	3.8		
DL2	19.4	308	P	23 59 26.0	-0.3		
		S	24 03 04.0	6.7			
		LN	Ms=4.7	12.0	1.10		
		LE		10.0	0.50		
NJ2	19.6	287	+P	23 59 29.3	0.5		
		S	24 03 08.0	5.3			
		LN	Ms=4.7	11.0	1.20		
SNY	19.7	318	eP	23 59 30.3	0.4		
		i	24 03 19.0				
		LN	Ms=4.7	12.0	0.80		
		LE		11.0	0.97		
QZH	20.4	266	+P	23 59 36.0	-1.0		
		pP	23 59 55.0	9.0			
		S	24 03 22.0	3.4			
		LN	Ms=4.1	12.0	0.34		
TIA	21.8	298	eP	23 59 50.6	-0.5		
		i	24 03 52.0				
		LN	Ms=4.8	15.0	1.40		
		LE		18.0	1.10		
WHN	23.4	282	eP	24 00 11.6	4.3		
		i	24 04 26.0				
		SME	m _B = 5.5	10.0	1.60		
		LN	Ms=4.7	10.0	0.80		
BJI	23.7	306	eP	24 00 09.0	-1.0		
		eS	24 04 25.0	5.4			

		eSS	24 05 10.0	1.2			
		SME	m _B = 4.9	11.0			
		LN	Ms=4.7	12.0	0.70		
		LE		12.0	0.80		
TIY	25.8	299	eP	24 00 29.5	-0.6		
		S	24 05 02.5	8.5			
		LE	Ms=4.4	11.0	0.37		
HHC	27.3	305	P	24 00 43.0	-0.9		
		S	24 05 18.0	-0.5			
		LE	Ms=4.8	15.0	1.20		
XAN	28.1	290	eP	24 00 49.6	-1.7		
		eS	24 05 34.0	1.5			
		LN	Ms=4.7	11.0	0.68		
BTO	28.4	304	eP	24 00 50.0	-3.4		
		S	24 05 34.0	-1.3			
		LN	Ms=4.5	13.0	0.40		
		LE		13.0	0.30		
GYA	30.6	275	P	24 01 12.4	-1.2		
CD2	32.5	284	eP	24 01 29.8	-0.6		
		eS	24 06 50.0	7.7			
GTA	35.8	299	P	24 01 58.0	-0.8		
		S	24 07 33.4	1.0			
		LN	Ms=4.9	13.0	0.79		
WMQ	45.2	305	-P	24 03 15.5	-0.4		

1985 9 23

O = 03 01 23.8 ± 0.07s
 LAT = 3.21 N ± 2.18km
 LONG = 65.30 E ± 1.53km
 DEPTH = 11 km ± 0.20km
 STATIONS USED = 54, STAND DEV = 1.12s
 Ms = 5.0 / 6, m_B = 5.6 / 3

LSA	36.0	40	P	03 08 27.4	-0.2		
		eS	03 14 08.0	1.9			
		LN	Ms=5.0	17.5	1.59		
KSH	37.4	14	eP	03 08 41.0	2.1		
		PP	03 10 11.0	5.2			
		S	03 14 31.0	5.6			
KMI	42.1	55	eP	03 09 19.5	1.3		
		S	03 15 42.0	5.6			
WMQ	45.0	23	+P	03 09 43.0	0.9		
		S	03 16 25.0	5.7			
		SMN	m _B = 5.6	7.0	0.58		
		LN	Ms=5.2	24.0	1.20		
		LE		20.0	1.30		
CD2	45.5	49	eP	03 09 46.3	0.3		
GYA	45.9	56	P	03 09 48.4	-0.2		
		S	03 16 37.0	5.9			
GTA	47.7	36	P	03 10 04.0	0.6		
		S	03 17 04.6	6.9			

BTO	50.6	334	eP	05 17 08.5	-3.2		
			PP	05 19 05.0	-2.6		
			eS	05 24 19.5	-6.1		
			LN	Ms=5.1	23.0	0.60	
			LE		23.0	1.30	
LSA	54.9	311	P	05 17 43.3	-0.4		
			S	05 25 25.0	3.0		
			SME		3.0	0.30	
GTA	54.9	326	+iP	05 17 43.8	0.3		
			S	05 25 24.5	2.4		
WMQ	64.7	323	-P	05 18 50.7	-0.4		
			S	05 27 32.0	3.1		
			SMN	m _B =5.8	8.0	0.86	
KSH	70.4	314	+P	05 19 28.0	1.2		

LAT= 3.14 N		± 3.06km					
LONG= 65.32 E		± 1.51km					
DEPTH= 10 km		± 0.08km					
STATIONS USED = 34, STAND DEV= 1.19s							
m _B =5.4 / 2							
LSA	36.0	40	eP	05 47 20.4	0.5		
KSH	37.4	14	eP	05 47 33.0	1.7		
			eS	05 53 19.0	-0.6		
KMI	42.1	55	eP	05 48 11.0	0.7		
WMQ	45.1	23	P	05 48 36.0	1.6		
			S	05 55 19.0	6.8		
			SMN	m _B =5.4	8.0	0.50	
GYA	45.9	56	+P	05 48 40.4	-0.3		
XAN	50.9	48	P	05 49 18.6	-0.9		
			S	05 56 38.0	4.2		
			SME	m _B =5.3	9.0	0.40	
WHN	53.7	54	eP	05 49 40.0	-0.3		
TIY	55.1	45	P	05 49 49.9	-1.0		
HHC	56.0	41	eP	05 49 55.4	-1.9		
TIA	57.9	49	eP	05 50 10.0	-0.8		
BJI	58.7	44	eP	05 50 16.0	-0.7		
CN2	66.6	43	eP	05 51 07.3	-1.5		

1985 9 23

O=05 24 36.4 ± 0.08s

LAT= 3.94 S ± 1.16km

LONG=136.57 E ± 1.65km

DEPTH= 14 km ± 0.30km

STATIONS USED = 50, STAND DEV= 1.12s

QZN	34.8	312	eP	05 31 28.5	-0.9		
NJ2	39.6	336	eP	05 32 09.0	-0.2		
WHN	40.3	330	eP	05 32 17.0	1.4		
GYA	41.8	318	P	05 32 28.3	0.1		
KMI	43.7	313	eP	05 32 44.0	0.2		
TIA	43.9	337	eP	05 32 45.4	0.6		
XAN	45.9	328	+P	05 33 00.4	-0.6		
CD2	46.7	320	eP	05 33 07.3	0.0		
TIY	47.1	334	eP	05 33 09.9	-0.7		
BJI	47.6	339	eP	05 33 14.0	-0.3		
CN2	48.6	349	eP	05 33 19.0	-2.8		
MDJ	48.7	353	eP	05 33 23.3	0.2		
LZH	50.2	325	eP	05 33 35.0	0.3		
			PMZ		1.5	0.090	
GTA	54.8	325	+iP	05 34 09.3	0.2		
WMQ	64.7	323	P	05 35 16.5	-0.3		
KSH	70.4	314	eP	05 35 53.0	0.3		

1985 9 23

O=07 45 48.0 ± 0.06s

LAT=41.98 N ± 1.55km

LONG=143.25 E ± 0.95km

DEPTH= 66 km ± 0.85km

STATIONS USED = 38, STAND DEV= 1.40s

Ms=3.8 / 1,

MDJ	10.3	289	eP	07 48 16.5	1.0		
CN2	13.2	284	+P	07 48 54.3	0.1		
			eS	07 51 20.0	0.2		
			LE	Ms=3.8	16.0	0.40	
BJI	20.5	274	eP	07 50 21.0	-2.2		
TIA	21.0	263	eP	07 50 26.8	-2.0		
XAN	28.0	265	P	07 51 35.4	-0.3		
GTA	32.8	280	P	07 52 18.1	0.6		
CD2	33.4	264	eP	07 52 22.8	0.2		
WMQ	40.1	292	P	07 53 19.5	0.3		

1985 9 23

O=05 37 19.7 ± 0.05s

LAT=52.24 N ± 1.98km

LONG=169.76 W ± 0.94km

DEPTH= 35 km ± 0.40km

STATIONS USED = 21, STAND DEV= 2.88s

XAN	58.9	287	eP	05 47 18.4	0.1		
GTA	60.3	297	P	05 47 28.3	0.1		

1985 9 23

O=14 26 09.1 ± 0.15s

LAT= 9.68 S ± 1.45km

LONG=159.84 E ± 1.67km

DEPTH= 29 km ± 0.68km

STATIONS USED = 31, STAND DEV= 1.69s

NJ2	57.1	318	eP	14 36 00.0	4.5		
CN2	61.7	332	-P	14 36 28.6	1.0		
BJI	63.9	324	eP	14 36 40.5	-1.4		

XAN	65.0	315	eP	14 36 47.4	-1.8
KMI	65.5	303	eP	14 36 53.0	0.3
CD2	67.2	309	eP	14 37 03.0	-0.4
GTA	74.0	316	P	14 37 45.0	0.4

1985 9 23

O=16 33 06.5 ± 0.10s

LAT=36.59 N ± 1.57km

LONG= 67.86 E ± 4.42km

DEPTH= 11 km ± 3.32km

STATIONS USED = 10, STAND DEV= 3.72s

KSH	7.0	63	Pn	16 34 54.3	4.5
WMQ	16.8	58	P	16 37 08.4	5.1
LSA	20.6	103	eP	16 37 52.5	2.9
GTA	25.3	74	P	16 38 39.1	4.2

1985 9 23

O=17 28 41.0 ± 0.04s

LAT=17.79 S ± 1.06km

LONG= 13.73 W ± 0.76km

DEPTH= 9 km ± 0.03km

STATIONS USED = 20, STAND DEV= 0.79s

GTA	119.1	54	ePKP	17 47 31.4	-0.3
XAN	126.6	61	ePKP	17 47 46.3	0.3
TIY	129.1	56	ePKP	17 47 51.5	0.6
BJI	131.6	52	ePKP	17 47 57.0	1.5
			SME		4.5 0.20
CN2	137.0	44	ePKP	17 48 06.3	0.7

1985 9 23

O=22 35 01.5 ± 0.14s

LAT=14.68 S ± 1.48km

LONG=167.27 E ± 1.42km

DEPTH=187 km ± 1.77km

STATIONS USED = 12, STAND DEV= 1.41s

CN2	69.6	329	P	22 45 51.4	-1.5
TIY	73.2	317	eP	22 46 14.4	-0.2
GTA	82.6	314	P	22 47 06.8	0.7

1985 9 23

O=23 33 46.6 ± 0.11s

LAT=13.29 N ± 0.85km

LONG=144.32 E ± 0.60km

DEPTH=121 km ± 0.98km

STATIONS USED = 31, STAND DEV= 1.99s

BJI	36.3	322	eP	23 40 41.0	0.0
TIY	37.4	316	eP	23 40 50.4	0.8
GYA	37.6	296	P	23 40 54.0	2.3
XAN	38.2	309	eP	23 40 56.0	-0.2
BTO	40.5	319	eP	23 41 16.0	0.4

CD2	41.2	302	eP	23 41 22.0	0.7
GTA	47.0	312	P	23 42 08.5	0.7
			pP	23 42 35.3	0.2
WMQ	57.0	314	P	23 43 22.0	-0.3

1985 9 24

O=01 37 08.7 ± 0.14s

LAT=28.62 N ± 3.17km

LONG=140.53 E ± 2.93km

DEPTH= 99 km ± 1.53km

STATIONS USED = 63, STAND DEV= 2.14s

				$m_B=5.5/19$			
SSE	17.0	283	-iP	01 41 03.0	1.6		
			PMZ		$m_B=5.5$	6.0	1.50
			i	01 44 18.0			
			sS	01 44 31.0	3.6		
			SS	01 44 39.0	9.4		
			LN			10.0	1.10
MDJ	18.2	334	eP	01 41 12.0	-4.3		
			eS	01 44 34.0	1.3		
			PMZ		$m_B=5.2$	8.0	0.90
			SME		$m_B=5.3$	8.0	0.66
DL2	18.7	308	-P	01 41 23.0	0.6		
			PMZ		$m_B=5.4$	7.0	1.50
			LN			11.0	1.30
			LE			9.0	0.80
NJ2	19.0	286	+P	01 41 28.0	2.4		
			PMZ		$m_B=5.7$	6.0	2.30
			i	01 45 04.5			
			sS	01 45 17.0	1.8		
			LN			11.0	0.80
			LE			10.0	0.90
SNY	19.1	318	eP	01 41 27.4	1.3		
			sS	01 45 12.0	-4.4		
			LN			12.0	1.10
			LE			11.0	1.85
CN2	19.4	325	-P	01 41 28.5	-1.0		
			PMZ		$m_B=5.3$	5.0	0.80
			eS	01 44 59.5	1.0		
			LN			11.0	2.10
QZH	19.9	265	+P	01 41 35.0	-0.2		
			PP	01 41 58.0	-0.6		
			i	01 45 20.0			
			LN			8.0	0.40
			LE			6.5	0.36
TIA	21.1	297	eP	01 41 45.8	-1.7		
			PMZ		$m_B=5.6$	6.0	1.70
			i	01 45 46.8			
			SMN		$m_B=5.4$	9.0	0.67
			SME			10.0	0.60

DEPTH = 11 km \pm 0.63km
STATIONS USED = 46, STAND DEV = 1.52s

LSA	39.5	32	eP	05 41 18.0	-0.5
KMI	43.8	48	eP	05 41 54.5	1.1
GYA	47.5	49	P	05 42 29.0	6.5
CD2	48.0	42	eP	05 42 26.5	-0.2
WMQ	50.2	18	P	05 42 43.8	0.6
GTA	51.5	31	P	05 42 53.3	-0.4
XAN	53.4	42	eP	05 43 05.0	-2.4
WHN	55.4	49	eP	05 43 21.0	-1.0
TIY	57.8	41	P	05 43 39.5	-0.1
BTO	58.1	37	eP	05 43 41.0	-0.1
NJ2	59.5	50	-P	05 43 51.4	0.4
BJI	61.6	40	eP	05 44 05.0	-0.1
DL2	64.6	44	eP	05 44 23.0	-2.5
CN2	69.4	40	+P	05 44 55.2	-0.6
MDJ	72.5	41	eP	05 45 14.8	0.6

1985 9 24

O = 08 31 04.4 \pm 0.03sLAT = 32.23 N \pm 0.24kmLONG = 104.96 E \pm 0.28kmDEPTH = 10 km \pm 0.09km

STATIONS USED = 6, STAND DEV = 4.59s

 $M_L = 3.3 / 1,$

CD2	1.7	218	ePn	08 31 33.3	-0.9
			Pg	08 31 34.1	0.2
			Sg	08 31 58.0	1.3
XAN	3.8	60	ePg	08 32 10.3	-1.0
			Sg	08 33 00.0	-2.9

1985 9 24

O = 08 41 50.1 \pm 0.14sLAT = 14.35 S \pm 0.68kmLONG = 167.39 E \pm 1.87kmDEPTH = 208 km \pm 0.76km

STATIONS USED = 22, STAND DEV = 1.03s

MDJ	68.0	332	eP	08 52 29.6	0.2
CN2	69.4	329	eP	08 52 37.0	-0.8
KMI	74.2	302	eP	08 53 08.0	1.3
GTA	82.5	314	P	08 53 52.5	0.9

1985 9 24

O = 15 37 46.4 \pm 0.10sLAT = 28.14 N \pm 1.53kmLONG = 140.83 E \pm 1.64kmDEPTH = 58 km \pm 0.33km

STATIONS USED = 84, STAND DEV = 1.50s

 $M_S = 4.6 / 16,$ $m_B = 5.0 / 2$

SSE	17.3	285	eP	15 41 47.0	1.0
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			esS	15 45 10.0	-1.8		
			SS	15 45 20.0	3.5		
			LE	$M_S = 4.5$	10.0	0.80	
MDJ	18.7	334	eP	15 42 07.0	3.9		
DL2	19.2	309	-P	15 42 08.0	-0.8		
			S	15 45 36.0	-0.4		
			LN	$M_S = 4.6$	11.0	1.00	
NJ2	19.4	287	-P	15 42 11.5	0.9		
			PMZ		1.2	0.20	
			LN	$M_S = 4.5$	12.0	0.60	
			LE		13.0	0.60	
SNY	19.6	319	+P	15 42 12.6	-0.2		
			eS	15 45 48.0	2.8		
			LN	$M_S = 4.7$	13.0	0.70	
			LE		13.0	1.20	
CN2	19.9	326	+P	15 42 16.0	-0.3		
			eS	15 45 53.0	1.0		
			LE	$M_S = 4.8$	11.0	1.40	
QZH	20.1	266	+P	15 42 19.5	0.9		
TIA	21.6	298	-P	15 42 33.3	0.0		
			PMZ	$m_B = 5.1$	6.0	0.60	
			LN	$M_S = 4.4$	13.0	0.58	
BJI	23.5	307	eP	15 42 51.0	-1.4		
			esP	15 43 15.0	3.0		
			eS	15 47 08.0	9.6		
			SME	$m_B = 5.0$	10.0	0.36	
			LN	$M_S = 4.5$	12.0	0.47	
			LE		13.0	0.40	
GZH	25.3	265	+P	15 43 10.0	0.9		
TIY	25.6	299	-iP	15 43 12.5	0.2		
			S	15 47 42.0	9.5		
			LN	$M_S = 4.5$	12.0	0.40	
			LE		12.0	0.40	
HHC	27.1	306	+iP	15 43 25.8	-0.6		
			LN	$M_S = 4.6$	12.0	0.20	
			LE		12.0	0.55	
XAN	27.9	290	P	15 43 32.4	-0.9		
			eS	15 48 11.0	0.3		
			LN	$M_S = 4.6$	14.0	0.70	
BTO	28.2	304	eP	15 43 35.5	-0.4		
			S	15 48 18.0	3.8		
			LN	$M_S = 4.6$	13.0	0.60	
			LE		13.0	0.30	
QZN	29.7	259	eP	15 43 47.5	-2.3		
			pP	15 43 55.0	-8.5		
			eS	15 48 33.0	-7.2		
			SS	15 50 08.0	-9.3		
GYA	30.4	275	P	15 43 54.8	-0.6		
			eS	15 48 50.0	-0.1		
			LN	$M_S = 4.9$	15.0	1.40	

WMQ	44.9	305	eP	17 10 41.0	-1.1		
			PMZ		$m_B = 5.7$	7.0	0.77
			PP	17 12 20.0	-7.8		
			S	17 17 22.0	5.7		
KSH	54.0	300	eP	17 11 52.0	0.3		
			eS	17 19 29.0	5.1		

1985 9 24

O = 18 18 02.5 ± 0.16s
 LAT = 36.21 N ± 1.36km
 LONG = 123.36 E ± 1.96km
 DEPTH = 8 km
 STATIONS USED = 16, STAND DEV = 4.43s

$M_L = 3.9 / 11,$

DL2	3.0	333	ePn	18 18 50.4	-0.6		
			eSn	18 19 30.0	0.6		
			Sg	18 19 40.9	3.8		
			SMN		$M_L = 3.9$	0.6	0.50
			SME			0.6	0.45
TIA	5.0	272	ePg	18 19 27.5	-4.1		
			SMN		$M_L = 3.9$	1.0	0.20
			SME			0.7	0.10
SSE	5.4	200	ePn	18 19 23.3	-0.6		
			Sg	18 20 58.3	6.2		
			SMN		$M_L = 3.8$	1.0	0.089
SNY	5.6	2	+Pn	18 19 25.1	-1.5		
			Sg	18 21 04.6	6.3		
			SMN		$M_L = 4.2$	1.2	0.20
			SME			1.2	0.20
BJI	6.8	306	ePn	18 19 52.3	8.9		
CN2	7.7	11	ePn	18 20 00.0	4.0		
			eSn	18 21 26.0	-0.5		
			eSg	18 22 02.6	-2.6		
			SMN		$M_L = 4.1$	1.0	0.050
			SME			1.0	0.080
CD2	17.2	258	eP	18 22 08.1	3.4		

1985 9 24

O = 19 44 40.5 ± 0.32s
 LAT = 16.10 S ± 5.29km
 LONG = 177.36 E ± 4.29km
 DEPTH = 84 km ± 1.02km
 STATIONS USED = 12, STAND DEV = 2.84s

NJ2	73.7	311	eP	19 56 09.0	1.3		
CN2	76.2	324	-P	19 56 21.8	-0.1		
TIY	81.1	313	eP	19 56 55.0	6.1		
XAN	82.0	309	eP	19 56 51.0	-2.5		

1985 9 24

O = 20 28 51.7 ± 0.08s

LAT = 6.41 S ± 1.34km
 LONG = 130.08 E ± 1.62km
 DEPTH = 145 km ± 0.11km
 STATIONS USED = 93, STAND DEV = 1.08s

$m_B = 6.0 / 24$

QZN	32.2	322	+iP	20 35 07.5	-1.0		
			pP	20 35 43.0	4.0		
			sP	20 35 59.0	2.9		
			PP	20 36 26.0	6.0		
			ScP	20 41 23.0	1.2		
			iS	20 40 08.0	-1.9		
			SMN		$m_B = 5.7$	9.0	2.10
			SME			8.0	1.40
			sS	20 41 02.0	-1.9		
			PcS	20 41 36.5	-0.2		
			SS	20 42 08.5	-5.5		
			ScS	20 45 21.0	1.3		
QZH	33.1	341	+iP	20 35 16.0	-0.3		
			pP	20 35 49.0	1.9		
			iS	20 40 20.0	-4.1		
			LE			11.0	0.89
GZH	33.6	331	+P	20 35 19.0	-1.3		
			sP	20 36 09.0	1.0		
			PP	20 36 40.0	3.4		
			S	20 40 26.0	-4.4		
			SMN		$m_B = 5.5$	10.0	1.20
			SME			10.0	1.10
SSE	38.3	348	+iP	20 36 00.0	0.3		
			pP	20 36 40.0	8.8		
			eS	20 41 41.0	-1.8		
			SME		$m_B = 5.9$	12.0	3.60
			sS	20 42 47.0	9.2		
			SS	20 44 30.0	2.5		
			LN			20.0	1.20
NJ2	39.7	345	+P	20 36 11.0	-0.8		
			PMZ		$m_B = 5.7$	6.0	0.96
			S	20 42 00.0	-3.8		
			sS	20 43 02.5	2.6		
GYA	39.8	326	+P	20 36 13.0	0.4		
			PMZ		$m_B = 6.0$	4.0	1.20
			pP	20 36 49.8	5.7		
			sP	20 37 05.0	4.2		
			S	20 42 00.0	-4.9		
			SMN		$m_B = 6.0$	8.0	2.10
			SME			8.0	1.00
KMI	41.1	321	+P	20 36 25.0	1.5		
			PMZ		$m_B = 6.0$	4.0	1.30
			sP	20 37 17.0	5.3		
			ScP	20 41 57.5	2.8		
			PcS	20 42 16.0	6.3		

			S	20 42 25.5	1.1						SME	$m_B = 6.1$	6.0	1.60	
TIA	44.1	345	eP	20 36 47.3	-0.3						LE		10.0	0.50	
			PMZ	$m_B = 5.6$	6.0	0.70	HHC	50.0	342	+iP	20 37 34.0	0.2			
			eS	20 43 05.3	-3.8					pP	20 38 09.0	2.7			
			SMN	$m_B = 5.8$	6.0	0.90				S	20 44 30.0	-1.2			
			SME		8.0	0.70				SMN	$m_B = 6.2$	7.0	1.10		
CD2	44.9	327	+iP	20 36 53.6	0.0					SME		9.0	2.20		
			PMZ	$m_B = 6.0$	5.0	1.46				ScS	20 47 08.0	1.8			
			PP	20 38 42.0	1.4					LN		11.0	0.48		
			iS	20 43 15.0	-4.9					LE		12.0	0.50		
			SME	$m_B = 6.1$	6.0	2.00	CN2	50.2	356	+iP	20 37 34.0	-0.8			
			LN		12.0	1.60				PMZ	$m_B = 5.7$	5.0	0.60		
XAN	44.9	335	iP	20 36 53.6	-0.7					pP	20 38 10.0	2.6			
			PMZ	$m_B = 5.8$	5.0	1.00				sP	20 38 22.0	-1.8			
			pP	20 37 28.0	1.7					ScP	20 42 31.6	-0.4			
			sP	20 37 46.0	3.1					iS	20 44 30.0	-4.3			
			PP	20 38 46.0	4.6					SME	$m_B = 6.0$	7.0	1.60		
			ScP	20 42 11.0	0.9		BTO	50.3	340	cP	20 37 35.3	-0.6			
			iS	20 43 15.5	-5.6					pP	20 38 10.0	1.5			
			SMN	$m_B = 6.2$	7.0	2.40				sP	20 38 27.0	2.1			
			SME		7.0	1.60				PP	20 39 35.0	1.2			
			sS	20 44 14.0	-3.3					S	20 44 34.0	-1.1			
DL2	45.8	351	+P	20 37 00.0	-0.8					SMN	$m_B = 6.0$	8.0	0.90		
			PMZ	$m_B = 5.9$	7.0	1.50				SME		8.0	1.60		
			S	20 43 30.0	-1.7					sS	20 45 33.0	-0.4			
			SMN	$m_B = 6.3$	7.0	1.60				ScS	20 47 10.0	1.9			
			SME		7.0	2.46				SS	20 48 10.0	2.2			
TIY	46.9	341	P	20 37 09.6	0.0					LN		12.0	0.50		
			PMZ	$m_B = 6.0$	5.0	1.30				LE		12.0	0.40		
			PP	20 39 02.0	0.8		MDJ	50.8	360	+iP	20 37 40.0	0.3			
			iS	20 43 47.0	-1.8					pP	20 38 11.0	-1.4			
			SME	$m_B = 6.1$	7.0	1.99				sP	20 38 29.0	0.2			
			sS	20 44 50.0	4.8					PcP	20 38 56.0	2.0			
			LN		13.0	0.33				PP	20 39 39.0	0.8			
BJI	48.0	346	+P	20 37 18.0	0.0					iS	20 44 42.0	-1.2			
			epP	20 37 49.0	-1.5					ScS	20 47 13.0	1.5			
			esP	20 38 09.0	2.1		LSA	51.8	316	iP	20 37 47.4	-0.6			
			eS	20 44 00.0	-3.8					cS	20 44 54.6	-3.6			
			esS	20 44 56.0	-4.6					SME		2.0	0.80		
			ScS	20 46 54.0	1.4					GTA	53.5	331	+iP	20 38 02.4	2.4
SNY	48.4	353	+iP	20 37 21.0	-0.1					PcP	20 39 03.5	-0.6			
			pP	20 37 52.0	-1.6					ScP	20 42 48.3	1.9			
			sP	20 38 10.0	-0.1					S	20 45 12.8	-6.0			
			iS	20 44 08.0	-1.5					sS	20 46 23.3	5.6			
			SME		16.0	3.30				ScS	20 47 31.3	1.0			
			sS	20 45 05.0	-1.3					LN		13.0	0.70		
LZH	48.9	332	+iP	20 37 26.0	0.4					WMQ	62.9	327	-iP	20 39 05.5	-0.2
			PMZ		2.5	0.70				PMZ	$m_B = 6.1$	5.0	1.30		
			pP	20 37 59.0	1.0					pP	20 39 40.0	0.4			
			iS	20 44 15.0	-2.7					PP	20 41 24.0	-2.6			

	ScP	20 43 28.0	0.0		
	S	20 47 21.0	-0.5		
	sS	20 48 22.0	0.1		
	LN			24.0	1.76
KSH	67.6 317 +iP	20 39 37.0	1.3		
	PP	20 42 04.0	-3.7		
	S	20 48 23.0	4.7		

1985 9 24

O=21 16 47.1 ± 0.05s
 LAT=27.97 N ± 1.51km
 LONG=129.78 E ± 1.20km
 DEPTH= 78 km ± 1.02km
 STATIONS USED = 15, STAND DEV= 1.05s

BJI	16.5 320 eP	21 20 36.0	1.1		
XAN	18.9 294 P	21 21 02.6	-1.3		
GYA	20.6 271 eP	21 21 23.8	1.2		
CD2	22.8 284 eP	21 21 44.4	-0.2		
KMI	24.3 270 -P	21 22 00.0	0.7		
GTA	27.3 302 P	21 22 25.8	-1.1		

1985 9 24

O=22 39 54.4 ± 0.06s
 LAT=21.22 N ± 1.24km
 LONG=146.13 E ± 1.40km
 DEPTH= 33 km ± 0.15km
 STATIONS USED = 52, STAND DEV= 0.93s
 Ms=4.6/ 1,

SSE	24.4 299 eP	22 45 10.8	-0.4		
	eS	22 49 26.0	-0.3		
	sS	22 49 36.5	-4.4		
NJ2	26.6 300 +P	22 45 31.0	-0.8		
MDJ	27.0 333 eP	22 45 37.5	1.5		
DL2	27.4 315 eP	22 45 40.3	0.7		
SNY	28.0 322 eP	22 45 43.4	-1.2		
	eS	22 50 30.0	4.8		
CN2	28.3 327 eP	22 45 48.0	0.3		
	S	22 50 30.0	0.1		
	LE			Ms=4.6	15.0 0.70
TIA	29.4 307 P	22 45 55.8	-1.1		
TIY	33.4 307 eP	22 46 32.8	0.3		
XAN	35.2 299 eP	22 46 46.0	-1.6		
HHC	35.2 312 eP	22 46 48.0	0.1		
BTO	36.2 311 eP	22 46 57.0	0.7		
CD2	39.1 293 eP	22 47 20.8	0.3		
LZH	39.6 301 eP	22 47 26.0	0.7		
GTA	43.4 305 P	22 47 55.3	-0.8		
WMQ	53.0 309 P	22 49 12.0	1.2		

1985 9 25

O=01 47 02.9 ± 0.08s
 LAT=39.33 N ± 1.38km
 LONG= 75.34 E ± 1.16km
 DEPTH= 11 km ± 0.42km
 STATIONS USED = 38, STAND DEV= 2.02s
 Ms=4.5/ 3, M_L=4.6/ 2,

KSH	0.5 75 iPg	01 47 14.0	1.7		
	Sg	01 47 21.3	2.0		
WMQ	10.3 60 eP	01 49 32.0	-1.9		
	S	01 51 21.0	-8.9		
	LN			2.0	0.46
LSA	16.2 122 eP	01 50 53.3	0.8		
GTA	18.9 82 P	01 51 25.8	-0.7		
	LN			Ms=4.4	11.0 0.65
LZH	22.7 89 eP	01 52 07.5	0.7		
	PMZ			1.5	0.30
CD2	24.6 101 eP	01 52 27.3	2.2		
	eS	01 56 44.0	0.2		
BTO	26.5 76 eP	01 52 43.6	0.8		
	eS	01 57 14.0	-1.2		
	LN			Ms=4.5	14.0 0.50
	LE			14.0	0.30
KMI	27.0 113 eP	01 52 48.5	0.7		
	eS	01 57 22.0	-1.9		
	LN			Ms=4.8	10.0 0.75
XAN	27.3 91 eP	01 52 50.4	0.0		

1985 9 25

O=06 20 59.1 ± 0.10s
 LAT=37.81 N ± 2.89km
 LONG=142.18 E ± 1.65km
 DEPTH= 50 km ± 1.22km
 STATIONS USED = 23, STAND DEV= 2.50s

NJ2	20.0 260 +P	06 25 28.6	-1.4		
TIA	20.1 273 P	06 25 29.8	-1.4		
BJI	20.3 284 eP	06 25 31.0	-3.0		
TIY	23.5 279 eP	06 26 06.0	0.5		
XAN	27.1 272 eP	06 26 39.3	-0.6		
GYA	32.0 260 eP	06 27 24.0	0.9		
CD2	32.3 269 eP	06 27 25.3	-0.6		
WMQ	41.0 296 P	06 28 39.9	0.0		

1985 9 25

O=07 06 45.7 ± 0.03s
 LAT=12.54 N ± 0.75km
 LONG= 44.37 W ± 0.80km
 DEPTH= 11 km ± 0.05km
 STATIONS USED = 13, STAND DEV= 0.88s
 Ms=5.7/ 1,

TIY	125.5 23 PKP	07 25 49.8	1.4		
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September, 1985

LN Ms = 5.7 14.0 0.58
 LE 14.0 0.36
 XAN 127.2 28 PKP 07 25 52.5 0.9

1985 9 25
 O = 08 11 57.8 ± 0.16s
 LAT = 39.35 N ± 1.68km
 LONG = 75.32 E ± 1.47km
 DEPTH = 23 km ± 1.80km
 STATIONS USED = 17, STAND DEV = 3.84s

M_L = 3.5 / 3,
 KSH 0.5 78 iPg 08 12 07.8 -0.1
 Sg 08 12 17.8 2.4
 WMQ 10.3 60 cP 08 14 24.0 -3.5
 LN 2.5 0.10

1985 9 25
 O = 12 09 56.6 ± 0.14s
 LAT = 9.55 N ± 2.54km
 LONG = 84.15 W ± 2.07km
 DEPTH = 27 km ± 1.67km
 STATIONS USED = 22, STAND DEV = 1.91s

WMQ 126.4 7 cPKP 12 28 57.0 -1.4
 BJI 127.2 340 cPKP 12 29 00.0 0.1
 TIY 130.5 343 cPKP 12 29 06.8 0.5
 GYA 142.7 344 cPKP 12 29 29.5 0.8
 KMI 144.9 349 +PKP 12 29 32.0 -0.6
 QZN 148.4 334 cPKP 12 29 43.5 5.2

1985 9 25
 O = 13 47 44.5 ± 0.18s
 LAT = 11.95 N ± 2.18km
 LONG = 143.67 E ± 2.62km
 DEPTH = 27 km ± 0.24km
 STATIONS USED = 43, STAND DEV = 1.84s

TIA 34.0 320 cP 13 54 27.3 -1.3
 CN2 35.4 337 cP 13 54 42.3 1.6
 BJI 37.0 324 cP 13 54 53.0 -1.3
 TIY 37.9 318 cP 13 55 02.0 0.2
 XAN 38.5 311 +P 13 55 06.3 -0.6
 HHC 40.3 321 cP 13 55 21.5 0.0
 KMI 40.8 295 cP 13 55 26.5 0.6
 BTO 41.1 320 cP 13 55 28.5 0.2
 cS 14 01 38.0 -1.6
 LZH 43.2 311 cP 13 55 44.0 -1.3
 PMZ 1.5 0.050
 WMQ 57.4 315 -iP 13 57 33.5 -0.4
 KSH 65.3 308 P 13 58 28.0 0.9
 cS 14 06 59.0 -9.1

1985 9 25
 O = 14 39 21.3 ± 0.17s
 LAT = 28.37 N ± 2.19km
 LONG = 140.83 E ± 3.28km
 DEPTH = 33 km ± 0.72km
 STATIONS USED = 53, STAND DEV = 1.87s

M_s = 4.7 / 15, m_B = 5.6 / 14
 SSE 17.3 284 -P 14 43 21.0 -0.8
 PMZ m_B = 5.5 8.0 2.10
 S 14 46 26.0 -4.9
 sS 14 46 42.0 -1.2
 SS 14 46 48.0 -4.4
 LN Ms = 4.5 10.0 0.90

MDJ 18.5 334 cP 14 43 35.0 -2.4
 DL2 19.1 308 cP 14 43 44.0 -0.2
 PMZ m_B = 5.5 7.0 1.76
 LN Ms = 4.6 11.0 1.00
 NJ2 19.3 286 +P 14 43 47.0 0.1
 PMZ m_B = 5.6 7.0 1.90
 S 14 47 20.0 2.7
 LN Ms = 4.3 12.0 0.60

SNY 19.4 318 iP 14 43 47.0 -0.9
 sP 14 43 56.0 -4.3
 LN Ms = 4.8 12.0 0.97
 LE 12.0 1.56
 CN2 19.7 325 -P 14 43 49.0 -2.3
 PMZ m_B = 5.2 5.0 0.60
 cS 14 47 20.0 -7.1
 LN Ms = 4.8 11.0 1.60

QZH 20.2 265 +iP 14 43 56.0 0.2
 cS 14 47 39.0 3.2
 TIA 21.5 297 cP 14 44 06.8 -2.6
 PPMZ 6.0 1.70
 cS 14 48 02.0 1.0
 SMN m_B = 5.2 9.0 0.50
 SME 10.0 0.60
 LN Ms = 4.4 9.0 0.30
 LE 10.0 0.30

WHN 23.1 282 cP 14 44 27.0 1.1
 BJI 23.4 306 cP 14 44 27.0 -1.4
 PMZ m_B = 5.2 7.0 0.80
 cS 14 48 28.0 -7.9
 SME m_B = 5.6 12.0 2.30
 csS 14 48 42.0 -8.3
 GZH 25.3 264 +P 14 44 50.0 3.4
 S 14 49 09.0 1.7
 SME m_B = 5.6 10.0 1.60

TIY 25.5 299 cP 14 44 47.5 -1.1
 PMZ m_B = 5.8 6.0 1.49
 S 14 49 01.0 -9.6

HHC	27.0	305	LE	Ms=4.2	12.5	0.29
			+P	14 45 01.8	-0.7	
			S	14 49 34.0	-1.2	
			SMN	m _B =5.6	11.0	0.48
			SME		11.0	1.60
XAN	27.8	290	LE	Ms=4.8	8.0	0.60
			cP	14 45 08.0	-1.9	
			S	14 49 57.5	9.1	
			LN	Ms=4.7	10.0	0.60
BTO	28.0	304	+iP	14 45 12.5	0.4	
			PMZ	m _B =5.7	7.0	1.10
			eS	14 49 52.0	-1.1	
			LN	Ms=4.6	14.0	0.50
			LE		14.0	0.40
QZN	29.8	259	P	14 45 29.5	1.9	
			PP	14 46 31.5	7.0	
			S	14 50 28.0	7.9	
			PcS	14 52 07.0	-5.3	
			LN	Ms=4.8	13.0	0.90
LZH	32.1	293	cP	14 45 46.0	-2.0	
CD2	32.2	284	cP	14 45 48.5	-0.7	
			eS	14 50 54.0	-5.4	
GTA	35.5	299	P	14 46 16.0	-1.6	
			PP	14 47 35.0	-2.4	
			S	14 51 49.5	0.1	
			LN	Ms=4.8	14.0	0.70
WMQ	44.9	305	P	14 47 35.0	0.1	
			PP	14 49 22.0	1.5	
			S	14 54 14.0	5.0	
			SMN	m _B =5.4	8.0	0.50
			LN	Ms=4.8	10.0	0.40
KSH	53.9	300	cP	14 48 48.0	3.5	
			eS	14 56 21.0	4.5	

1985 9 25
 O=16 29 16.4 ± 0.47s
 LAT=54.68 N ± 0.54km
 LONG=159.79 W ± 0.80km
 DEPTH= 25 km ± 3.28km
 STATIONS USED = 48, STAND DEV= 0.77s

CN2	47.8	289	-P	16 37 53.5	-0.6
SNY	50.1	289	P	16 38 13.0	0.8
BJI	55.4	292	cP	16 38 51.0	-0.4
HHC	57.3	296	-iP	16 39 05.0	0.0
BTO	58.2	296	cP	16 39 11.8	-0.1
TIY	59.1	293	P	16 39 18.0	0.2
NJ2	59.7	284	cP	16 39 21.5	-0.6
XAN	63.7	292	cP	16 39 48.0	-1.0
GTA	64.3	302	P	16 39 52.0	-0.9
WMQ	66.4	313	-P	16 40 06.0	-0.2

CD2	68.9	294	cP	16 40 22.5	0.5
GYA	70.8	289	P	16 40 34.5	0.7
LSA	76.3	302	cP	16 41 05.3	-1.1

1985 9 25
 O=18 04 21.8 ± 0.06s
 LAT=12.52 N ± 0.83km
 LONG=143.43 E ± 0.84km
 DEPTH= 22 km ± 0.13km
 STATIONS USED = 19, STAND DEV= 0.95s

BJI	36.4	324	cP	18 11 26.5	-0.8
TIY	37.3	318	P	18 11 35.5	0.5
XAN	38.0	310	cP	18 11 39.3	-1.1
CD2	40.9	303	cP	18 12 05.0	0.6
GTA	46.9	313	-P	18 12 52.8	0.0

1985 9 25
 O=20 50 51.6 ± 0.05s
 LAT=59.78 N ± 0.82km
 LONG=154.73 W ± 0.60km
 DEPTH=183 km ± 0.66km
 STATIONS USED = 52, STAND DEV= 0.83s

CN2	48.7	289	+iP	20 59 20.0	0.1
			cpP	21 00 03.0	2.9
SNY	51.1	288	+iP	20 59 38.8	0.7
BJI	56.0	292	cP	21 00 14.0	0.0
HHC	57.5	296	+P	21 00 24.8	0.3
BTO	58.4	297	cP	21 00 31.0	0.2
TIY	59.6	293	P	21 00 39.8	0.6
NJ2	61.2	285	-P	21 00 49.5	0.0
GTA	63.8	304	+iP	21 01 07.5	0.2
XAN	64.3	294	+P	21 01 09.5	-0.5
CD2	69.3	296	cP	21 01 41.8	0.4
GYA	71.7	291	P	21 01 56.5	0.4

1985 9 25
 O=22 27 15.5 ± 0.11s
 LAT=28.01 N ± 0.52km
 LONG=140.72 E ± 1.04km
 DEPTH= 35 km ± 0.36km
 STATIONS USED = 9, STAND DEV= 0.77s

XAN	27.8	290	cP	22 33 03.8	-0.4
CD2	32.2	284	cP	22 33 43.3	0.1
GTA	35.6	299	P	22 34 11.8	-0.6

1985 9 25
 O=22 31 17.0 ± 0.07s
 LAT=28.13 N ± 1.36km
 LONG=141.00 E ± 1.30km
 DEPTH= 35 km ± 0.16km

STATIONS USED = 11, STAND DEV = 1.23s

TIA	21.7	298	eP	22 36 07.0	-0.4
XAN	28.0	290	eP	22 37 06.0	-1.5
CD2	32.4	284	+iP	22 37 48.0	1.5
GTA	35.8	299	P	22 38 14.0	-1.2

1985 9 26
 O=00 17 35.1 ± 0.08s
 LAT=38.62 N ± 1.16km
 LONG= 74.75 E ± 1.46km
 DEPTH= 17 km ± 0.92km

STATIONS USED = 18, STAND DEV = 2.85s
 $M_L = 3.9 / 2,$

KSH	1.3	49	Pg	00 17 57.8	-0.1
			Sg	00 18 14.5	-0.6
WMQ	11.0	58	P	00 20 13.5	-2.3
			LN		2.0 0.020
GTA	19.5	80	eP	00 22 03.7	-0.7

1985 9 26
 O=03 15 54.6 ± 0.47s
 LAT=28.09 N ± 2.44km
 LONG=141.05 E ± 5.00km
 DEPTH= 79 km ± 1.56km

STATIONS USED = 22, STAND DEV = 3.93s
 $M_s = 4.4 / 8,$ $m_B = 5.3 / 2$

SSE	17.5	285	eP	03 20 04.0	8.6
			eS	03 23 14.0	8.1
MDJ	18.9	334	eP	03 20 13.5	2.3
NJ2	19.6	287	+P	03 20 19.3	0.0
			pP	03 20 28.0	-6.5
			S	03 24 00.0	9.3
			LE	$M_s = 4.4$	11.0 0.60
SNY	19.8	318	eP	03 20 22.0	1.0
			eS	03 24 03.0	8.4
			LN	$M_s = 4.7$	12.0 0.85
			LE		12.0 1.10
TIA	21.8	298	eP	03 20 37.5	-4.1
			eS	03 24 41.0	8.3
			SMN	$m_B = 5.3$	7.0 0.50
WHN	23.4	282	eP	03 21 01.0	3.7
			pP	03 21 08.0	-6.7
			SMN	$m_B = 5.4$	7.0 0.57
			LN	$M_s = 4.8$	8.0 0.80
BJI	23.7	307	eP	03 21 03.0	2.6
			LN	$M_s = 4.4$	11.0 0.46
TIY	25.8	299	P	03 21 17.0	-3.3
			LE	$M_s = 4.2$	12.0 0.30
HHC	27.3	305	eP	03 21 34.5	0.2
XAN	28.1	290	eP	03 21 41.5	0.2

BTO	28.3	304	eP	03 21 44.8	1.1
			eS	03 26 28.0	4.5
			LN	$M_s = 4.4$	13.0 0.30
			LE		13.0 0.30
QZN	29.9	259	eP	03 22 01.5	3.8
			LN	$M_s = 4.6$	10.0 0.40
CD2	32.5	284	eP	03 22 18.5	-1.7
GTA	35.8	299	eP	03 22 46.0	-2.8
WMQ	45.2	305	eP	03 24 04.0	-1.9

1985 9 26
 O=06 41 13.9 ± 0.96s
 LAT=39.85 N ± 2.53km
 LONG= 74.49 E ± 7.65km
 DEPTH= 14 km

STATIONS USED = 7, STAND DEV = 5.60s
 $M_L = 3.5 / 3,$

KSH	1.2	108	Pg	06 41 32.0	-3.7
WMQ	10.6	64	P	06 43 55.0	5.8
			LN		1.5 0.030

1985 9 26
 O=07 27 46.1 ± 0.13s
 LAT=34.69 S ± 3.39km
 LONG=178.44 W ± 2.75km
 DEPTH= 20 km ± 0.64km

STATIONS USED = 96, STAND DEV = 1.14s
 $M_s = 6.9 / 22,$ $m_B = 6.9 / 11$

QZH	84.1	306	+iP	07 40 17.5	-0.4
			S	07 50 38.0	-1.1
			SS	07 56 14.0	3.2
			LN	$M_s = 6.9$	26.0 42.7
QZN	86.5	296	+iP	07 40 30.0	0.2
			SP	07 40 54.5	
			PP	07 43 49.0	-3.5
			PPP	07 44 51.0	
			SKS	07 50 44.5	-6.7
			PS	07 52 08.5	
			LN	$M_s = 6.9$	20.0 16.1
			LE		29.0 37.5
GZH	86.5	301	+P	07 40 30.5	0.7
			PMZ	$m_B = 6.7$	10.0 7.10
			S	07 50 54.0	-8.5
			SMN		15.0 11.4
			LN	$M_s = 6.7$	41.0 27.3
			LE		37.0 30.1
SSE	86.7	312	+iP	07 40 30.0	-0.5
			PMZ	$m_B = 6.7$	5.0 3.20
			PP	07 43 54.0	0.1

LONG = 71.84 W ± 4.29km							SME		$m_B = 5.3$	10.0	1.10	
DEPTH = 53 km ± 1.25km							LE		$M_S = 4.7$	10.0	1.20	
STATIONS USED = 37, STAND DEV = 2.07s							CN2	19.9 326	+P	17 13 59.0	0.2	
WMQ	161.1	51	PKP	08 53 24.0	1.2			PMZ	$m_B = 5.1$	4.5	0.40	
CN2	163.2	312	cPKP	08 53 21.0	-3.7			cS		17 17 37.0	1.2	
KMI	170.3	150	PKP	08 53 32.5	2.1			LN	$M_S = 4.9$	10.0	1.80	
NJ2	170.9	263	cPKP	08 53 34.0	3.5		QZH	20.2 266	P	17 13 56.5	-5.1	
BJI	170.9	317	cPKP	08 53 31.0	0.5			S		17 17 36.0	-4.7	
GTA	171.2	47	PKP	08 53 31.4	0.6		TIA	21.6 298	cP	17 14 09.8	-6.3	
TIA	172.2	292	cPKP	08 53 31.5	0.2			cS		17 18 15.0	6.8	
GYA	172.7	169	PKP	08 53 33.5	1.8			SMN	$m_B = 5.3$	8.0	0.80	
CD2	175.4	125	cPKP	08 53 34.3	1.9			LE	$M_S = 4.4$	9.5	0.50	
LZH	175.7	54	cPKP	08 53 35.0	2.3		WHN	23.2 282	P	17 14 36.0	3.9	
XAN	179.3	302	cPKP	08 53 34.3	1.2			PMZ	$m_B = 5.7$	6.0	1.90	
1985 9 26									PP	17 15 10.0	7.4	
O = 14 10 28.2 ± 0.07s									SME	$m_B = 5.4$	10.0	1.10
LAT = 35.96 N ± 0.19km									LN	$M_S = 4.7$	10.0	0.80
LONG = 81.46 E ± 0.59km							BJI	23.5 307	cP	17 14 34.0	-1.3	
DEPTH = 29 km ± 0.90km									cS		17 18 48.0	4.7
STATIONS USED = 5, STAND DEV = 4.10s									cSS		17 19 37.0	6.0
$M_L = 3.6 / 2,$									SME	$m_B = 5.5$	12.0	1.60
KSH	5.6	310	ePn	14 11 51.0	1.2			LN	$M_S = 4.8$	12.0	1.20	
			Sg	14 13 22.5	-0.5		TIY	25.6 299	P	17 14 55.0	-0.2	
WMQ	9.2	29	P	14 12 41.5	-0.6			PMZ	$m_B = 5.8$	5.5	1.40	
			S	14 14 31.8	6.5			S		17 19 24.5	7.0	
			SME		0.8	0.010		LN	$M_S = 4.7$	12.0	0.70	
1985 9 26									LE		11.0	0.40
O = 17 09 27.4 ± 0.26s							HHC	27.1 305	P	17 15 08.0	-1.3	
LAT = 28.19 N ± 2.83km									S		17 19 40.0	-2.4
LONG = 140.84 E ± 4.90km									SMN	$m_B = 5.4$	9.0	0.40
DEPTH = 35 km ± 1.04km									SME		10.0	0.77
STATIONS USED = 46, STAND DEV = 2.37s									LE	$M_S = 4.8$	11.0	0.89
$M_S = 4.7 / 17,$							XAN	27.9 290	cP	17 15 12.5	-3.8	
$m_B = 5.4 / 13$									cS		17 19 56.0	0.1
SSE	17.3	284	+P	17 13 30.0	1.7		BTO	28.1 304	+P	17 15 18.0	-0.8	
			PMZ	$m_B = 5.4$	8.0	1.40		PMZ	$m_B = 5.5$	7.0	0.70	
			cS	17 16 41.0	2.7			S		17 20 00.0	0.8	
			LN	$M_S = 4.6$	10.0	1.00		SMN	$m_B = 5.3$	8.0	0.60	
MDJ	18.7	334	+P	17 13 44.0	-1.2			SME		8.0	0.20	
			S	17 17 11.5	3.0			LN	$M_S = 4.6$	13.0	0.30	
			LE	$M_S = 4.7$	13.0	1.60		LE		13.0	0.50	
DL2	19.2	309	cP	17 13 51.0	-0.3		GYA	30.4 275	P	17 15 40.5	1.9	
NJ2	19.4	287	+P	17 13 53.0	-0.4			S		17 20 35.0	0.5	
			PMZ	$m_B = 5.7$	5.5	1.90		LN	$M_S = 4.9$	14.0	1.20	
			cS	17 17 26.0	1.2		LZH	32.2 294	cP	17 15 53.0	-1.5	
			LN	$M_S = 4.7$	12.0	1.50	CD2	32.3 284	cP	17 15 55.8	0.3	
SNY	19.6	319	P	17 13 50.0	-5.3			S		17 21 13.0	8.3	
			sP	17 14 02.0	-6.4			LN	$M_S = 5.0$	10.0	1.10	
			S	17 17 32.0	3.7		KMI	34.1 274	cP	17 16 09.0	-2.4	
								cS		17 21 30.0	-4.3	

		LN		Ms=4.7	14.0	0.60
GTA	35.6	299	cP	17 16 23.0	-1.2	
WMQ	45.0	305	P	17 17 41.5	0.0	
		S		17 24 20.0	4.0	
		SMN		m _B =5.5	8.0	0.58
		LN		Ms=5.1	10.0	0.40
		LE			10.0	0.56
KSH	54.0	300	cP	17 18 54.0	3.0	
			cS	17 26 30.0	6.8	

DEPTH = 28 km ± 0.47km					
STATIONS USED = 37, STAND DEV = 2.23s					
Ms=4.6 / 7,					
SSE	11.7	262	P	23 59 26.8	0.9
			PMZ		1.5 0.090
			LN	Ms=4.6	14.0 1.40
			LE		14.0 2.50

1985 9 26

O = 17 35 27.0 ± 0.13s

LAT = 9.50 S ± 1.92km

LONG = 120.13 E ± 3.18km

DEPTH = 32 km ± 0.40km

STATIONS USED = 10, STAND DEV = 3.54s

CD2	43.1	339	cP	17 43 23.5	-3.2
XAN	44.6	347	cP	17 43 34.5	-3.9
BJI	49.4	356	cP	17 44 23.0	6.7

MDJ	11.9	342	cP	23 59 26.5	-1.0
CN2	12.6	328	cP	23 59 45.0	6.9
			cS	24 01 55.0	-4.0
NJ2	13.5	268	cP	23 59 48.8	-0.3
			LN	Ms=4.3	8.0 0.70
TIA	14.8	286	cP	24 00 05.5	-0.5
			cS	24 02 57.0	7.3
			LN	Ms=4.6	25.0 3.97
BJI	16.3	299	cP	24 00 28.0	2.4
WHN	17.6	266	P	24 00 42.0	0.3
			LE	Ms=4.3	10.0 0.49
TIY	18.7	290	cP	24 00 55.5	0.1
			pP	24 01 09.0	6.9
			LN	Ms=4.3	13.0 0.49
			LE		13.0 0.47

1985 9 26

O = 18 35 00.2 ± 0.08s

LAT = 5.29 S ± 0.70km

LONG = 150.72 E ± 0.41km

DEPTH = 190 km ± 0.72km

STATIONS USED = 28, STAND DEV = 0.82s

NJ2	47.9	323	-iP	18 43 23.3	1.5
WHN	49.8	318	cP	18 43 37.0	1.0
GYA	53.1	309	P	18 44 01.5	1.0
CN2	53.9	338	cP	18 44 06.0	-0.7
BJI	55.2	328	cP	18 44 14.5	-1.3
XAN	55.6	318	+P	18 44 18.0	-0.6
CD2	57.5	312	-P	18 44 33.0	0.7
HHC	58.3	326	P	18 44 37.5	-0.2
BTO	59.0	325	cP	18 44 42.3	-0.3
GTA	64.6	318	+iP	18 45 20.4	0.1

HHC	19.9	298	cP	24 01 09.0	-0.5
BTO	21.0	297	cP	24 01 18.5	-2.4
			LN	Ms=5.0	17.0 3.70
			LE		17.0 0.60
XAN	21.5	279	cP	24 01 26.5	0.5
			eS	24 05 10.0	-8.2
GYA	25.3	262	P	24 02 03.8	0.7
LZH	25.5	285	-P	24 02 06.0	0.8
			LN	Ms=5.0	9.0 1.10
			LE		8.0 0.50
CD2	26.3	273	cP	24 02 14.0	1.2
KMI	29.1	262	+P	24 02 38.0	0.3
WMQ	37.8	300	P	24 03 51.3	-1.6

1985 9 26

O = 22 54 28.3 ± 0.17s

LAT = 3.44 S ± 1.33km

LONG = 145.59 E ± 2.78km

DEPTH = 40 km ± 0.57km

STATIONS USED = 13, STAND DEV = 2.01s

XAN	50.8	320	cP	23 03 26.5	-1.0
CD2	52.5	314	cP	23 03 39.5	-0.6

1985 9 27

O = 02 06 28.3 ± 0.07s

LAT = 46.86 N ± 3.45km

LONG = 153.64 E ± 1.67km

DEPTH = 36 km ± 0.95km

STATIONS USED = 28, STAND DEV = 1.55s

MDJ	16.9	271	cP	02 10 24.5	0.4
CN2	20.0	272	+P	02 11 01.5	0.5
BJI	27.8	270	cP	02 12 18.5	1.7
CD2	41.2	265	P	02 14 12.8	0.7
GYA	42.1	258	P	02 14 14.3	-4.8

1985 9 26

O = 23 56 37.0 ± 0.17s

LAT = 33.44 N ± 2.06km

LONG = 134.79 E ± 2.20km

1985 9 27

O = 03 39 06.9 ± 0.18s

LAT = 9.76 S		± 1.72km						SME		m _B = 6.7		10.0 9.30	
LONG = 159.96 E		± 2.44km						sS		03 57 28.8		-0.3	
DEPTH = 26 km		± 0.63km						SS		04 01 13.0		2.3	
STATIONS USED = 104,		STAND DEV = 1.56s						LE		M _s = 6.5		18.0 19.5	
M _s = 6.6 / 20,		m _B = 6.7 / 23						DL2		60.1 326		+iP 03 49 14.0 -1.1	
QZH	53.1	311	+iP	03 48 24.0	-0.6			MDJ	60.7	336	+iP	03 49 18.8	-0.1
			pP	03 48 32.0	-0.8						pP	03 49 27.0	-0.1
			S	03 55 49.5	-1.2						sP	03 49 30.0	-0.6
			LE	M _s = 6.5	22.0	31.6					PcP	03 50 03.0	1.1
SSE	55.1	319	+iP	03 48 39.0	-0.3						ScP	03 54 00.0	0.1
			PMZ	m _B = 6.9	5.0	8.20					S	03 57 28.0	-3.4
			pP	03 48 48.0	0.4			TIA	60.9	321	cP	03 49 19.5	-1.2
			PcP	03 49 40.0	0.2						PP	03 51 31.0	-5.3
			S	03 56 15.0	-2.7						cS	03 57 33.0	-3.0
			ScS	03 58 26.0	3.6						SMN	m _B = 6.0	11.0 1.40
			LN	M _s = 6.6	20.0	20.4					SME		8.5 1.50
			LE		22.0	28.8					LN	M _s = 6.1	17.5 7.59
GZH	56.1	306	+iP	03 48 47.5	0.7						LE		14.0 1.80
			pP	03 48 56.0	0.9			SNY	61.2	330	+iP	03 49 21.5	-1.1
			S	03 56 30.5	-1.0						PMZ	m _B = 6.8	7.0 8.20
			SMN			13.0 6.40					pP	03 49 30.0	-0.9
			SME			10.0 3.77					sP	03 49 34.0	-0.3
			LN	M _s = 6.5	20.0	14.8					PcP	03 50 06.0	1.9
			LE			19.0 17.4					S	03 57 37.5	-0.9
QZN	57.1	300	+iP	03 48 55.0	1.1						SMN	m _B = 6.5	10.0 4.10
			pP	03 49 02.0	-0.2						SME		10.0 4.45
			sP	03 49 10.0	4.3						sS	03 57 55.0	1.7
			PcP	03 49 53.0	5.3						ScS	03 59 14.0	6.5
			i	03 50 17.0							SS	04 01 46.0	6.0
			PP	03 50 59.0	-2.5						LN	M _s = 6.7	16.0 20.8
			PPMZ			10.0 3.50					LE		16.0 14.4
			PPP	03 52 29.0				CN2	61.8	332	+iP	03 49 26.0	-0.7
			PcS	03 53 52.0	4.9						PMZ	m _B = 6.9	6.0 9.20
			iS	03 56 51.5	5.7						pP	03 49 34.5	-0.5
			sS	03 57 02.0	2.6						LN	M _s = 6.8	17.0 36.1
			ScS	03 58 45.0	8.1			GYA	63.0	306	+P	03 49 35.0	0.2
			SS	04 00 44.0	9.3						pP	03 49 43.0	0.0
			LN	M _s = 6.5	18.0	10.0					sP	03 49 51.0	4.6
			LE		20.0	19.8					S	03 58 06.0	5.0
NJ2	57.2	318	+iP	03 48 54.5	-0.2						LN	M _s = 6.6	19.0 18.4
			PMZ	m _B = 6.9	6.0	10.0					LE		19.0 14.3
			iPP	03 51 00.0	-2.5			BJI	64.0	324	+iP	03 49 40.0	-0.9
			S	03 56 45.0	-1.0						cS	03 58 16.0	1.7
			sS	03 56 54.0	-6.9						SMN	m _B = 6.4	9.0 3.00
			LN	M _s = 6.6	18.0	24.5					SME		8.0 2.45
WHN	59.4	314	+iP	03 49 09.0	-0.7						LN	M _s = 6.6	16.0 20.3
			PMZ	m _B = 6.8	6.0	7.98		TIY	64.8	320	+iP	03 49 46.0	-0.5
			sP	03 49 20.0	-1.5						PMZ	m _B = 6.8	7.0 8.66
			PP	03 51 24.0	2.1						pP	03 49 54.5	-0.3
			S	03 57 16.0	1.7						S	03 58 28.0	4.7

		S	07 58 06.0	-8.2						S	10 33 19.0	-3.0			
		LE		$M_s=4.8$	14.0	1.00				LE		$M_s=6.2$	17.0	4.90	
LZH	32.2	294	eP	07 53 33.0	-0.2					WHN	85.9	305	+P	10 22 59.0	1.3
CD2	32.3	284	eP	07 53 32.0	-2.1					PMZ		$m_B=6.5$	8.0	3.80	
KMI	34.1	274	eP	07 53 50.0	0.1					SKS	10 33 21.5	4.7			
GTA	35.7	299	P	07 54 01.7	-1.2					S	10 33 29.0	2.9			
LSA	43.3	284	P	07 55 08.5	1.9					SS	10 39 06.0	-1.2			
WMQ	45.0	305	-iP	07 55 20.0	-0.2					LE		$M_s=5.8$	17.0	2.20	
KSH	54.1	300	eP	07 56 29.0	-0.6					TIA	86.6	311	cP	10 23 01.0	-0.5
										PMZ		$m_B=6.4$	10.0	3.20	
										S	10 33 25.0	-8.4			
										SMN		$m_B=6.0$	11.0	0.90	
										SME			11.0	1.20	
										SS	10 39 10.0	-7.7			
										LN		$M_s=5.8$	17.0	1.40	
										LE			17.0	1.40	
										BJI	89.2	314	cP	10 23 14.0	0.2
										PMZ		$m_B=6.5$	6.0	2.10	
										epP	10 23 25.0	1.6			
										SKS	10 33 40.0	2.1			
										eS	10 34 03.5	4.4			
										SMN		$m_B=6.3$	12.0	2.70	
										SME			11.0	2.58	
										LN		$M_s=5.9$	17.0	1.90	
										LE			17.0	1.57	
										GYA	90.1	298	+P	10 23 19.0	0.7
										SKS	10 33 52.0	8.5			
										S	10 34 12.0	6.1			
										LN		$M_s=6.1$	18.0	2.30	
										LE			18.0	3.00	
										TIY	90.6	311	P	10 23 20.5	-0.2
										PMZ		$m_B=6.3$	6.0	1.20	
										pP	10 23 33.0	2.8			
										SMN		$m_B=6.2$	11.0	1.69	
										SME			11.0	2.20	
										LN		$M_s=6.1$	18.0	3.00	
										LE			17.0	2.10	
										XAN	91.5	306	+iP	10 23 24.5	-0.4
										PMZ		$m_B=6.4$	9.0	2.10	
										SKS	10 33 51.0	-0.9			
										S	10 34 24.0	5.4			
										SMN		$m_B=6.7$	11.0	4.50	
										SME			11.0	5.40	
										LN		$M_s=6.0$	16.0	1.88	
										LE			18.0	1.97	
										HHC	92.7	313	P	10 23 30.0	-0.1
										KMI	92.8	296	+P	10 23 32.0	1.1
										pP	10 23 40.0	-0.3			
										PP	10 27 13.0	-1.7			
										S	10 34 33.0	3.3			

1985 9 27

O=10 10 19.2 ± 0.17s

LAT=22.08 S ± 3.71km

LONG=174.69 W ± 3.16km

DEPTH= 33 km ± 0.48km

STATIONS USED = 81, STAND DEV = 1.24s

$M_s=6.0/17,$

$m_B=6.4/16$

QZH	79.9	302	eP	10 22 26.5	-0.5									
			LN		$M_s=6.1$	16.0	2.90							
			LE			16.0	3.40							
SSE	81.1	309	-iP	10 22 33.0	-0.4									
			PMZ		$m_B=6.2$	12.0	3.40							
			S	10 32 38.0	-0.1									
			SKS	10 32 45.0	0.9									
			sS	10 32 56.0	0.4									
			LN		$M_s=6.0$	20.0	2.46							
			LE			18.0	2.97							
GZH	83.2	298	+P	10 22 45.0	0.7									
			PMZ		$m_B=6.4$	10.0	4.00							
			LE		$M_s=6.2$	20.0	6.88							
NJ2	83.3	308	+iP	10 22 44.5	-0.2									
			PMZ		$m_B=6.2$	11.0	2.60							
			S	10 33 00.0	-0.4									
			LN		$M_s=5.9$	20.0	3.50							
MDJ	83.6	324	+P	10 22 46.0	-0.4									
			S	10 33 04.0	0.3									
			SME		$m_B=6.6$	11.0	5.50							
			LE		$M_s=6.2$	18.0	6.30							
QZN	84.3	293	P	10 22 47.0	-3.1									
			PP	10 26 03.0	-2.7									
			S	10 33 15.5	4.6									
			LN		$M_s=6.0$	16.0	1.40							
			LE			16.0	2.80							
DL2	85.0	315	P	10 22 52.0	-1.5									
SNY	85.4	319	+P	10 22 54.8	-0.7									
			S	10 33 18.0	-3.7									
			LN		$M_s=5.9$	19.0	1.30							
			LE			18.0	2.35							
CN2	85.4	321	+iP	10 22 54.5	-1.2									
			PMZ		$m_B=6.6$	6.0	3.70							

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BTO	93.6	312	LN	Ms=5.9	18.0	2.30
			+P	10 23 34.0	-0.4	
			PMZ	m _B =6.5	7.0	1.60
			S	10 34 35.0	-1.6	
			LN	Ms=6.1	18.0	3.40
			LE		18.0	1.80
CD2	94.2	302	P	10 23 38.0	0.8	
LZH	96.2	306	eP	10 23 47.5	1.3	
			PMZ		2.0	0.20
			LN	Ms=5.8	18.0	1.10
			LE		20.0	1.90
GTA	100.4	308	P	10 24 06.2	1.1	
WMQ	110.3	310	Pdif	10 24 49.5	0.5	
KSH	118.3	304	ePKP	10 29 07.0	2.4	
			PP	10 30 24.0	-0.4	

KMI	2.3	217	ePn	16 30 38.0	-1.0	
			Sn	16 31 09.0	0.5	
			SME		6.0	0.40
			LN		2.5	0.30
			LE		2.0	0.30
CD2	4.0	354	ePn	16 31 04.5	1.8	
			Pg	16 31 14.5	3.1	
			Sg	16 32 08.5	2.6	
XAN	8.2	29	eP	16 32 00.5	-2.0	

1985 9 27

O=12 10 07.9 ± 0.10s

LAT=4.40 N ± 1.78km

LONG=124.99 E ± 2.83km

DEPTH=33 km ± 0.13km

STATIONS USED = 22, STAND DEV = 2.07s

XAN	33.1	335	+P	12 16 41.5	-1.6	
CD2	33.1	325	eP	12 16 42.8	-0.6	
BJI	36.4	349	eP	12 17 10.0	-1.2	
WMQ	51.2	326	P	12 19 10.5	-0.2	

1985 9 27

O=16 39 48.1 ± 0.10s

LAT=34.54 N ± 4.24km

LONG=26.53 E ± 2.60km

DEPTH=59 km ± 1.51km

STATIONS USED = 83, STAND DEV = 1.54s

Ms=5.5 / 11, m_B=5.7 / 7

KSH	39.4	68	eP	16 47 14.0	-0.4	
			eS	16 53 11.0	-0.5	
			LN	Ms=5.5	8.0	1.80
WMQ	47.3	60	-P	16 48 18.5	-0.2	
			sP	16 48 36.0	-3.1	
			PP	16 50 12.5	3.7	
			S	16 55 09.5	3.8	
			LN	Ms=5.6	32.0	6.30
			LE		32.0	3.20

1985 9 27

O=13 11 55.0 ± 0.08s

LAT=11.35 N ± 1.08km

LONG=140.45 E ± 0.87km

DEPTH=32 km ± 0.11km

STATIONS USED = 16, STAND DEV = 1.04s

CN2	34.8	341	-P	13 18 45.3	-0.2	
GYA	35.2	300	P	13 18 50.3	1.7	
BJI	35.7	327	eP	13 18 53.0	-0.2	
CD2	39.1	306	eP	13 19 22.5	0.9	
WMQ	55.6	316	P	13 21 30.8	0.0	

GTA	57.3	62	P	16 49 32.6	-0.2	
			S	16 57 25.0	4.0	
LZH	61.5	64	eP	16 50 00.5	-1.2	
			S	16 58 18.0	2.7	
			LE	Ms=5.1	42.0	2.00
CD2	63.6	69	eP	16 50 15.0	-0.6	
			S	16 58 45.0	3.4	
			sS	16 59 03.0	-5.3	
BTO	64.1	57	eP	16 50 19.3	0.3	
			pP	16 50 32.0	-1.7	
			S	16 58 43.0	-5.1	
			sS	16 59 15.0	0.1	
			LN	Ms=5.2	17.0	0.70
			LE		17.0	0.50

1985 9 27

O=16 30 01.0 ± 0.04s

LAT=26.93 N ± 0.55km

LONG=104.24 E ± 0.39km

DEPTH=10 km ± 0.16km

STATIONS USED = 9, STAND DEV = 2.08s

M_L=3.2 / 2,

GYA	2.2	102	Pn	16 30 39.0	0.6	
			Sg	16 31 08.5	-1.9	
			SMN	M _L =3.4	1.0	0.28
			SME		1.0	0.20

HHC	65.0	56	eP	16 50 25.0	-0.3	
			S	16 59 05.5	5.6	
			SMN	m _B =5.9	6.0	0.70
			SME		7.0	0.60
KMI	65.4	76	+P	16 50 26.5	-1.1	
			PMZ	m _B =5.7	5.0	0.50
			pP	16 50 38.5	-3.7	
			sP	16 50 42.0	-6.3	
			S	16 59 04.0	0.0	
XAN	66.1	64	-iP	16 50 31.5	-0.5	

		S	19 08 33.0	-1.7			
		SMN	$m_B = 5.6$	11.0	0.48		
		SME		11.0	1.55		
		LE	$M_s = 4.7$	11.0	0.77		
XAN	27.8	290	eP	19 04 06.5	-2.4		
			eS	19 08 49.0	-0.1		
			SME		13.0	1.10	
BTO	28.0	304	+iP	19 04 11.0	0.1		
			PMZ	$m_B = 5.7$	7.0	1.20	
			eS	19 08 48.0	-4.7		
			LN	$M_s = 4.6$	13.0	0.50	
			LE		13.0	0.50	
QZN	29.8	259	eP	19 04 25.5	-1.3		
			PP	19 05 28.0	4.6		
			eS	19 09 18.0	-3.2		
			eSS	19 10 58.0	2.0		
			LN	$M_s = 4.7$	12.0	0.70	
GYA	30.3	274	P	19 04 33.0	1.3		
			S	19 09 36.0	7.3		
LZH	32.1	293	eP	19 04 45.0	-2.0		
CD2	32.2	284	eP	19 04 48.8	0.5		
KMI	34.1	274	+P	19 05 05.5	0.9		
			PMZ	$m_B = 5.6$	6.0	0.56	
			eS	19 10 28.0	-0.5		
			sS	19 10 44.0	3.5		
GTA	35.5	299	P	19 05 14.7	-1.9		
WMQ	44.8	305	P	19 06 31.5	-2.3		
			PMZ	$m_B = 5.7$	6.0	0.78	
			PP	19 08 16.0	-3.2		
			S	19 13 00.0	-8.7		
			LN	$M_s = 4.9$	8.0	0.40	
KSH	53.9	300	eP	19 07 43.0	-0.5		

1985 9 27

O = 21 23 33.4 ± 0.21s
 LAT = 23.22 N ± 1.72km
 LONG = 120.16 E ± 2.07km
 DEPTH = 25 km
 STATIONS USED = 9, STAND DEV = 3.73s

 $M_L = 3.4 / 4,$

QZH	2.2	321	ePn	21 24 10.5	1.0		
			Sn	21 24 34.5	-3.5		
			Sg	21 24 41.5	-2.3		
			SMN	$M_L = 3.5$	0.2	0.40	
			SME		0.2	0.30	

1985 9 28

O = 00 06 24.5 ± 0.09s
 LAT = 36.42 N ± 1.65km
 LONG = 71.16 E ± 1.34km

DEPTH = 82 km ± 0.34km
 STATIONS USED = 40, STAND DEV = 2.25s
 $M_L = 5.0 / 1,$

KSH	4.9	50	eP	00 07 40.0	2.9		
WMQ	14.6	55	P	00 09 46.5	-2.4		
			S	00 12 24.0	-5.0		
GTA	22.8	74	P	00 11 23.5	2.5		
CD2	27.6	92	eP	00 12 08.0	1.5		
BTO	30.5	70	eP	00 12 33.0	0.3		
XAN	30.8	83	eP	00 12 35.0	-0.1		
GYA	31.7	98	P	00 12 43.3	0.1		

1985 9 28

O = 00 22 44.8 ± 0.04s
 LAT = 28.14 N ± 0.68km
 LONG = 141.05 E ± 0.89km
 DEPTH = 35 km ± 0.13km

STATIONS USED = 22, STAND DEV = 0.53s

NJ2	19.6	287	+P	00 27 13.2	0.2		
BJI	23.7	307	eP	00 27 54.5	0.0		
TIY	25.8	299	eP	00 28 15.0	0.5		
HHC	27.3	305	P	00 28 28.0	-0.5		
XAN	28.1	290	eP	00 28 35.0	-0.6		
BTO	28.3	304	eP	00 28 38.3	0.4		
GYA	30.5	275	P	00 28 57.5	-0.3		
CD2	32.5	284	eP	00 29 14.3	-0.4		
GTA	35.8	299	P	00 29 43.2	-0.1		
WMQ	45.2	305	P	00 31 01.0	0.5		

1985 9 28

O = 04 20 39.1 ± 0.05s
 LAT = 6.49 S ± 0.88km
 LONG = 129.85 E ± 1.27km
 DEPTH = 178 km ± 0.13km

STATIONS USED = 35, STAND DEV = 0.90s

GYA	39.7	326	P	04 27 56.5	0.2		
NJ2	39.7	345	-P	04 27 55.8	-0.4		
KMI	41.0	321	+P	04 28 08.0	0.9		
CD2	44.8	328	P	04 28 36.8	-0.5		
XAN	44.9	335	+P	04 28 37.5	-0.7		
BJI	48.0	346	eP	04 29 02.0	-0.2		
SNY	48.4	354	+P	04 29 04.5	-1.1		
CN2	50.2	356	-P	04 29 18.0	-1.2		
LSA	51.7	316	eP	04 29 31.3	0.2		
GTA	53.5	331	+iP	04 29 43.9	0.3		
WMQ	62.9	327	P	04 30 49.0	-0.1		
KSH	67.5	317	eP	04 31 21.0	2.2		

1985 9 28

O = 05 09 40.7 ± 0.13s

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LAT=27.89 S ± 6.85km
 LONG=176.40 W ± 2.32km
 DEPTH= 38 km ± 0.90km
 STATIONS USED = 25, STAND DEV = 1.93s

NJ2	85.7	310	cP	05 22 17.5	-0.2
MDJ	87.4	325	cP	05 22 26.0	0.1
SNY	88.8	320	-iP	05 22 31.5	-1.1
CN2	89.0	322	-P	05 22 32.5	-1.2
BJI	92.1	315	cP	05 22 48.0	-0.3
TIY	93.3	311	(P)	05 23 00.5	7.0
XAN	93.7	307	cP	05 22 55.5	-0.1
KMI	94.0	296	cP	05 22 57.5	0.7

1985 9 28
 O=05 50 39.8 ± 0.12s
 LAT=21.07 S ± 3.18km
 LONG=174.08 W ± 2.17km
 DEPTH= 30 km ± 0.39km
 STATIONS USED = 39, STAND DEV = 1.46s
 Ms=5.1/ 2, m_B=5.9/ 1

NJ2	83.1	308	-P	06 03 05.8	1.0
			sP	06 03 17.5	-0.1
MDJ	83.1	323	+P	06 03 05.0	0.0
			S	06 13 28.0	7.7
			sS	06 13 37.0	0.0
CN2	85.0	321	+P	06 03 14.0	-0.6
			PMZ	m _B =5.9	4.0 0.50
			eS	06 13 40.0	-0.9
			LE	Ms=5.0	18.0 0.40
SNY	85.0	318	+P	06 03 14.0	-0.6
			eS	06 13 31.0	-9.9
			LN	Ms=5.2	19.0 0.48
			LE		19.0 0.40
BJI	88.9	314	cP	06 03 34.0	0.6
GYA	90.1	298	P	06 03 40.3	0.9
TIY	90.4	310	P	06 03 42.8	2.2
XAN	91.4	306	cP	06 03 45.5	0.2
HHC	92.4	313	cP	06 03 50.5	0.6
KMI	92.9	296	+P	06 03 53.5	1.2
BTO	93.3	312	cP	06 03 54.0	-0.2

1985 9 28
 O=09 20 21.1 ± 0.12s
 LAT=28.14 N ± 2.97km
 LONG=140.95 E ± 2.25km
 DEPTH= 14 km ± 0.72km
 STATIONS USED = 47, STAND DEV = 2.14s
 Ms=4.4/ 9, m_B=4.7/ 2

SSE	17.4	285	cP	09 24 28.0	2.1
			sS	09 27 52.0	5.6

			LN	Ms=4.3			
NJ2	19.5	287	+P	09 24 52.5	1.5		
			S	09 28 30.0	5.5		
			LN	Ms=4.3		12.0	0.50
SNY	19.7	318	cP	09 24 53.3	0.4		
			eS	09 28 27.0	-1.9		
			LN	Ms=4.6		10.0	0.60
			LE			12.0	0.90
TIA	21.7	298	-P	09 25 13.5	-0.3		
			S	09 29 16.0	8.1		
			SMN	m _B =4.7		8.5	0.26
			LE	Ms=4.1		10.5	0.26
WHN	23.3	282	cP	09 25 30.5	0.7		
			eS	09 29 37.5	-0.5		
			LE	Ms=4.5		10.0	0.55
BJI	23.6	307	cP	09 25 31.5	-1.5		
			esS	09 29 48.0	-5.3		
			SME	m _B =4.8		12.0	0.40
			LN	Ms=4.3		13.0	0.46
TIY	25.7	299	cP	09 25 53.0	0.1		
			cS	09 30 21.0	2.1		
			LN	Ms=4.6		12.0	0.58
			LE			12.0	0.30
XAN	28.0	290	cP	09 26 13.5	-0.5		
			eS	09 30 54.0	-2.3		
			LE	Ms=5.5		12.0	5.00
BTO	28.2	304	cP	09 26 15.3	-1.1		
			eS	09 30 57.0	-3.7		
			LN	Ms=4.4		13.0	0.30
			LE			13.0	0.30
GYA	30.5	275	P	09 26 36.0	-0.2		
CD2	32.4	284	cP	09 26 52.0	-1.1		
GTA	35.7	299	-iP	09 27 20.9	-1.0		
			PP	09 28 47.9	6.1		
			eS	09 32 51.0	-6.9		
WMQ	45.1	305	P	09 28 38.0	-1.3		

1985 9 28
 O=11 49 23.4 ± 0.06s
 LAT=28.05 N ± 1.37km
 LONG=140.90 E ± 1.11km
 DEPTH= 31 km ± 0.30km
 STATIONS USED = 18, STAND DEV = 1.31s

NJ2	19.5	287	cP	11 53 51.5	0.7
TIA	21.7	298	P	11 54 14.5	0.8
BJI	23.6	307	P	11 54 31.0	-2.0
XAN	28.0	290	cP	11 55 12.5	-1.2
CD2	32.4	284	cP	11 55 54.0	1.3
WMQ	45.1	305	P	11 57 39.0	-0.1

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1985 9 28
O = 12 11 02.5 ± 0.15s
LAT = 28.01 N ± 2.94km
LONG = 140.90 E ± 3.08km
DEPTH = 45 km ± 1.31km
STATIONS USED = 60, STAND DEV = 2.36s
Ms = 4.8 / 12, m_B = 5.1 / 3

SSE	17.4	285	P	12 15 05.0	0.9		
			sS	12 18 28.0	-1.0		
			LE		Ms=4.6	9.0	0.96
MDJ	18.9	334	eP	12 15 30.0	8.1		
			sS	12 19 04.0	2.0		
			LE		Ms=4.8	16.0	2.20
NJ2	19.5	287	+P	12 15 28.5	-0.3		
			S	12 19 06.0	5.7		
			LN		Ms=4.4	11.0	0.70
SNY	19.7	319	eP	12 15 29.0	-2.4		
			S	12 19 06.0	0.5		
			LN		Ms=4.8	11.0	0.99
			LE			11.0	1.20
CN2	20.1	326	eP	12 15 37.5	2.5		
QZH	20.2	266	eP	12 15 38.0	1.6		
TIA	21.7	298	+P	12 15 51.8	0.1		
			sS	12 19 54.5	-7.2		
			SMN		m _B =5.0	8.0	0.40
			LN		Ms=4.5	11.0	0.60
WHN	23.3	283	P	12 16 08.5	1.3		
			S	12 20 15.5	3.8		
			SME		m _B =5.6	11.0	1.90
			LE		Ms=4.8	14.0	1.40
BJI	23.7	307	eP	12 16 09.5	-1.4		
			eS	12 20 22.0	2.9		
			SMN		m _B =5.1	12.0	0.47
			SME			13.0	0.40
			LN		Ms=4.5	11.0	0.50
			LE			13.0	0.49
TIY	25.7	299	P	12 16 30.0	-0.7		
			eS	12 20 48.0	-5.8		
			LE		Ms=4.7	12.0	0.80
HHC	27.2	306	P	12 16 43.5	-1.3		
			S	12 21 15.0	-2.9		
			LE		Ms=4.8	17.0	1.30
XAN	28.0	290	eP	12 16 49.8	-1.8		
			eS	12 21 31.0	0.2		
			LE		Ms=5.6	11.0	5.40
BTO	28.3	304	+P	12 16 53.5	-0.8		
			eS	12 21 35.0	-0.7		
			LN		Ms=4.8	13.0	0.80
			LE			12.0	0.70
GYA	30.4	275	P	12 17 13.0	-0.4		

LZH	32.3	294	eP	12 17 28.5	-1.2		
CD2	32.4	284	eP	12 17 29.3	-1.2		
KMI	34.2	274	+P	12 17 46.0	-0.1		
			eS	12 23 08.0	-0.4		
			LN			Ms=4.8	13.0 0.70
GTA	35.7	299	-iP	12 17 58.4	-1.1		
WMQ	45.1	305	P	12 19 16.3	-0.5		
KSH	54.1	300	eP	12 20 27.0	1.0		

1985 9 28
O = 12 18 56.1 ± 0.26s
LAT = 28.41 N ± 2.17km
LONG = 141.07 E ± 3.89km
DEPTH = 34 km ± 0.40km
STATIONS USED = 22, STAND DEV = 2.94s
Ms = 4.8 / 5, m_B = 5.7 / 9

NJ2	19.5	286	+P	12 23 24.0	0.3		
			PMZ			m _B =5.8	6.0 3.20
			S	12 27 00.0	3.7		
			LN			Ms=4.8	11.0 1.50
SNY	19.5	318	eP	12 23 23.8	0.0		
			eS	12 26 54.0	-3.3		
			SMN			m _B =5.4	12.0 1.20
			SME				12.0 1.56
			LN			Ms=4.9	11.0 1.49
			LE				12.0 1.44
CN2	19.8	325	eP	12 23 23.0	-3.9		
TIA	21.6	297	eP	12 23 43.8	-1.9		
WHN	23.3	282	P	12 24 05.0	2.5		
			PMZ			m _B =5.9	6.0 3.00
			eS	12 28 14.0	4.7		
			SME			m _B =5.8	10.0 2.87
			LE			Ms=4.8	12.0 1.40
BJI	23.5	306	eP	12 24 03.0	-1.5		
			PMZ			m _B =5.3	6.0 0.70
			S	12 28 17.0	4.8		
			SME			m _B =5.5	10.0 1.50
			LN			Ms=4.7	12.0 0.90
TIY	25.6	299	P	12 24 25.0	0.2		
			PMZ			m _B =5.8	6.0 1.49
			S	12 28 57.5	9.7		
			LN			Ms=4.7	11.0 0.65
			LE				11.0 0.60
XAN	28.0	290	eP	12 24 44.0	-2.3		
WMQ	45.0	305	P	12 27 10.3	-0.4		
			PMZ			m _B =5.7	6.0 0.70
			PP	12 28 59.0	2.6		
			S	12 33 51.0	5.4		
			SMN			m _B =5.6	7.0 0.58

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1985 9 28
O=14 50 14.4 ± 0.07s
LAT=41.58 N ± 1.42km
LONG= 22.26 E ± 0.93km
DEPTH= 8 km ± 0.19km
STATIONS USED = 51, STAND DEV= 1.01s
Ms=5.4 / 5,

KSH	40.3	75	eP	14 57 57.0	2.2		
WMQ	47.0	64	P	14 58 49.5	0.9		
			PP	15 00 43.0	4.9		
			eS	15 05 40.0	0.1		
			LN	Ms=5.5	13.0	2.40	
GTA	57.1	64	P	15 00 04.0	-0.4		
LZH	61.5	66	eP	15 00 33.5	-1.6		
BTO	63.2	58	eP	15 00 46.0	-0.2		
			eS	15 09 13.0	-3.7		
			LN	Ms=5.2	15.0	0.60	
			LE		15.0	0.40	
HHC	64.0	58	P	15 00 51.8	0.1		
			S	15 09 31.0	5.2		
			LN	Ms=5.5	12.0	0.50	
			LE		12.0	1.00	
XAN	66.1	65	P	15 01 05.0	-0.1		
TIY	66.4	60	P	15 01 06.5	-0.2		
			LN	Ms=5.4	14.0	0.96	
			LE		13.0	0.47	
KMI	66.9	76	+P	15 01 09.5	-1.0		
BJI	67.4	56	eP	15 01 13.0	-0.1		
			LN	Ms=5.4	14.0	0.89	
			LE		14.0	0.66	
GYA	69.0	73	P	15 01 22.5	-0.7		
TIA	70.3	59	P	15 01 31.0	0.0		
CN2	70.6	48	-P	15 01 32.5	-0.5		
			eS	15 10 42.0	-4.1		
SNY	70.8	51	+P	15 01 33.8	-0.2		
NJ2	74.0	61	eP	15 01 52.3	-0.7		

1985 9 28
O=21 17 49.7 ± 0.06s
LAT=15.92 S ± 1.35km
LONG=172.78 W ± 1.73km
DEPTH= 34 km ± 0.13km
STATIONS USED = 8, STAND DEV= 1.38s

CN2	81.9	320	+P	21 30 07.3	-0.6		
TIY	88.0	310	P	21 30 39.3	0.5		

1985 9 28
O=21 36 20.8 ± 0.15s
LAT=27.22 N ± 1.24km
LONG=103.67 E ± 1.39km

DEPTH= 19 km ± 0.51km
STATIONS USED = 13, STAND DEV= 3.90s
M_L=2.9 / 5,

KMI	2.3	202	Pg	21 37 01.0	0.0		
			Sg	21 37 31.0	-0.6		
			SME	M _L =3.3	1.5	0.19	
GYA	2.8	105	Pn	21 37 08.3	3.2		
			Pg	21 37 18.5	8.4		
			Sg	21 37 50.5	2.2		
			SMN	M _L =3.1	1.0	0.10	
			SME		1.0	0.070	
CD2	3.7	1	ePn	21 37 18.0	0.7		
			Pg	21 37 28.8	3.0		
			Sg	21 38 13.5	-2.6		
XAN	8.2	32	P	21 38 18.0	-3.5		
			S	21 39 48.0	-5.8		

1985 9 29
O=00 11 00.2 ± 0.20s
LAT=28.09 N ± 3.58km
LONG=141.08 E ± 4.02km
DEPTH= 41 km ± 1.03km
STATIONS USED = 34, STAND DEV= 2.75s
Ms=4.6 / 12, m_B=5.2 / 4

SSE	17.6	285	P	00 15 04.0	0.3		
			S	00 18 21.0	6.2		
			csS	00 18 28.0	-1.4		
			LN	Ms=4.7	10.0	1.27	
MDJ	18.9	334	eP	00 15 22.0	2.1		
			S	00 18 54.0	9.5		
			LE	Ms=4.6	12.0	1.10	
DL2	19.4	309	eP	00 15 26.0	-0.2		
NJ2	19.6	287	+P	00 15 30.0	1.7		
			iS	00 19 09.0	7.0		
			LN	Ms=4.6	13.0	1.30	
SNY	19.8	318	+P	00 15 30.0	0.0		
			PP	00 15 50.0	1.5		
			S	00 19 06.0	1.2		
			LE	Ms=4.7	10.0	1.00	
CN2	20.1	325	+P	00 15 33.0	-0.3		
			eS	00 19 17.0	5.2		
			LN	Ms=4.7	10.0	1.10	
TIA	21.8	298	eP	00 15 46.5	-4.2		
			PMZ	m _B =5.0	5.0	0.40	
			S	00 19 49.5	6.1		
			SMN	m _B =5.2	7.0	0.50	
			LE	Ms=4.0	11.0	0.20	
WHN	23.4	282	eP	00 16 02.5	-4.1		
			S	00 20 20.0	7.5		
			SME	m _B =5.4	12.0	1.20	

GYA	55.6	270	-P	07 15 37.5	0.3				
1985 9 29									
O=	13 24 50.1			± 0.19s					
LAT=	12.45 N			± 2.08km					
LONG=	144.03 E			± 1.75km					
DEPTH=	37 km			± 1.15km					
STATIONS USED = 16, STAND DEV = 2.56s									
NJ2	30.3	314	eP	13 31 04.0	3.9				
BJI	36.8	323	eP	13 31 58.0	1.0				
WMQ	57.3	314	eP	13 34 30.5	-7.0				
1985 9 29									
O=	15 53 41.5			± 0.11s					
LAT=	11.28 N			± 1.42km					
LONG=	140.07 E			± 1.34km					
DEPTH=	32 km			± 0.07km					
STATIONS USED = 43, STAND DEV = 1.13s									
Ms=4.9 / 1,									
SSE	26.4	321	eP	15 59 16.8	-0.1				
			S	16 03 44.0	-1.2				
NJ2	28.5	320	eP	15 59 35.0	-1.0				
SNY	33.7	338	-P	16 00 22.8	0.7				
CN2	34.8	341	+P	16 00 30.3	-1.2				
GYA	34.9	300	+P	16 00 34.0	1.3				
BJI	35.6	328	eP	16 00 38.0	-0.5				
TIY	36.1	321	P	16 00 43.3	0.1				
XAN	36.3	314	eP	16 00 44.0	-0.9				
KMI	37.9	296	eP	16 01 00.0	1.9				
HHC	38.7	325	eP	16 01 05.0	0.4				
CD2	38.9	306	eP	16 01 06.8	0.9				
BTO	39.4	323	eP	16 01 11.3	0.6				
			LN			Ms=4.9	14.0	0.60	
			LE				14.0	0.60	
WMQ	55.4	316	+iP	16 03 15.5	-0.3				
1985 9 29									
O=	21 50 24.2			± 0.18s					
LAT=	28.31 N			± 2.86km					
LONG=	140.79 E			± 3.82km					
DEPTH=	37 km			± 0.93km					
STATIONS USED = 42, STAND DEV = 2.39s									
Ms=4.7 / 10, m _B =5.5 / 11									
SSE	17.3	284	+P	21 54 24.0	-0.2				
			PMZ			m _B =5.5	8.0	2.00	
			eSS	21 57 53.0	-1.2				
			LN			Ms=4.7	11.0	1.60	
MDJ	18.6	334	eP	21 54 36.0	-4.5				
			S	21 57 56.0	-6.3				
			LE			Ms=4.4	12.0	0.80	
NJ2	19.3	287	-P	21 54 50.0	0.8				
			PMZ			m _B =5.7	6.0	2.50	
			iS	21 58 28.0	8.3				
			SME			m _B =5.4	6.0	1.00	
			LN			Ms=4.7	12.0	1.40	
SNY	19.5	318	-P	21 54 50.0	-0.7				
			sP	21 55 00.0	-4.0				
			PP	21 55 07.0	-1.2				
			S	21 58 21.0	-1.0				
			SMN			m _B =5.4	11.0	1.20	
			SME				11.0	1.20	
			LE			Ms=4.6	10.0	0.95	
CN2	19.8	325	eP	21 54 47.5	-6.7				
			PMZ			m _B =5.2	5.0	0.60	
			LE			Ms=4.8	11.0	1.60	
QZH	20.1	266	+iP	21 54 55.0	-3.0				
			PP	21 55 21.0	3.5				
			S	21 58 36.0	-0.5				
TIA	21.5	298	eP	21 55 07.3	-4.6				
			PMZ			m _B =5.5	6.0	1.46	
			S	21 59 00.0	-2.2				
			SMN			m _B =5.0	10.0	0.30	
			SME				10.0	0.38	
BJI	23.4	306	eP	21 55 31.0	0.0				
			eS	21 59 42.0	4.0				
			SME			m _B =5.5	11.0	1.70	
TIY	25.5	299	eP	21 55 50.0	-1.0				
			PMZ			m _B =5.9	6.0	1.99	
			LN			Ms=4.7	11.0	0.40	
			LE				10.0	0.69	
HHC	27.0	305	eP	21 56 05.8	0.7				
			S	22 00 44.0	6.8				
			SME			m _B =5.5	10.0	1.30	
			LN			Ms=4.7	11.0	0.70	
XAN	27.8	290	eP	21 56 10.0	-2.3				
			eS	22 00 52.0	0.9				
			LN			Ms=4.5	12.0	0.50	
BTO	28.0	304	+iP	21 56 15.0	0.4				
GYA	30.3	275	eP	21 56 35.0	0.2				
LZH	32.1	293	eP	21 56 52.0	1.6				
CD2	32.2	284	eP	21 56 51.5	0.0				
			S	22 01 59.0	-1.1				
			LN			Ms=5.0	10.0	1.10	
KMI	34.0	274	eP	21 57 05.0	-2.6				
			PMZ			m _B =5.7	4.0	0.50	
			sS	22 02 41.0	-5.1				
GTA	35.5	299	P	21 57 15.7	-4.4				
			PP	21 58 39.5	-0.3				
WMQ	44.9	305	P	21 58 35.0	-2.4				
			PP	22 00 22.0	-1.0				

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	S	22 05 19.0	8.0		
	LE	Ms=4.9	10.0	0.50	
KSH	53.9 300 +P	21 59 49.0	2.1		
1985 9 30					
	O=01 48 27.0	± 0.12s			
	LAT=39.31 N	± 1.02km			
	LONG=117.99 E	± 1.44km			
	DEPTH= 13 km	± 0.41km			
	STATIONS USED = 11,	STAND DEV= 4.74s			
	ML=3.2/ 9,				
TIA	3.2 193 ePn	01 49 15.4	-1.6		
	ePg	01 49 24.3	1.4		
	Sn	01 49 53.7	-2.8		
	Sg	01 50 05.1	-1.2		
	SMN	ML=2.8	0.4	0.030	
	SME		0.4	0.030	
CN2	7.2 49 ePg	01 50 43.0	9.3		
	eSg	01 52 10.4	-1.2		
	SMN	ML=3.5	0.6	0.020	
	SME		0.6	0.020	
1985 9 30					
	O=01 58 44.1	± 0.10s			
	LAT=27.99 N	± 2.59km			
	LONG=140.93 E	± 2.15km			
	DEPTH= 54 km	± 1.41km			
	STATIONS USED = 50,	STAND DEV= 2.07s			
	Ms=4.6/ 10,				
NJ2	19.5 287 +P	02 03 11.0	0.9		
	sS	02 07 00.0	1.3		
	LN	Ms=4.6	15.0	1.40	
SNY	19.8 319 eP	02 03 16.8	4.1		
	eS	02 06 55.0	7.9		
	LN	Ms=4.8	11.0	0.90	
	LE		11.0	1.20	
QZH	20.2 266 P	02 03 20.0	2.5		
	eS	02 06 59.0	2.7		
	LN	Ms=4.4	11.0	0.56	
TIA	21.7 298 eP	02 03 32.3	-0.5		
WHN	23.3 283 eP	02 03 50.0	1.7		
BJI	23.7 307 eP	02 03 49.0	-3.1		
	LN	Ms=4.4	12.0	0.50	
TIY	25.7 299 eP	02 04 11.3	-0.5		
	LN	Ms=4.5	11.0	0.39	
	LE		11.0	0.37	
HHC	27.3 306 P	02 04 25.0	-0.9		
	S	02 08 57.0	-1.4		
	LN	Ms=4.8	16.0	1.40	
XAN	28.0 290 +P	02 04 31.3	-1.3		

	eS	02 09 08.0	-3.3		
	LN	Ms=4.6	13.0	0.68	
BTO	28.3 304 eP	02 04 34.0	-1.4		
	eS	02 09 11.0	-5.2		
	LN	Ms=4.5	13.0	0.40	
	LE		13.0	0.30	
GYA	30.5 275 P	02 04 53.8	-0.6		
LZH	32.3 294 eP	02 05 09.5	-1.2		
	LE	Ms=4.6	15.0	0.60	
CD2	32.4 284 eP	02 05 10.8	-0.7		
	eS	02 10 22.5	1.8		
	LN	Ms=5.0	14.0	1.30	
GTA	35.8 299 eP	02 05 39.0	-1.5		
WMQ	45.1 305 P	02 06 57.5	-0.3		
KSH	54.2 300 eP	02 08 08.0	1.0		
1985 9 30					
	O=04 51 04:3	± 0.10s			
	LAT= 8.08 N	± 1.65km			
	LONG=137.30 E	± 2.00km			
	DEPTH= 32 km	± 0.17km			
	STATIONS USED = 37,	STAND DEV= 1.11s			
NJ2	29.4 327 -P	04 57 08.0	1.1		
XAN	36.8 319 P	04 58 10.8	-0.2		
BJI	37.0 333 eP	04 58 13.5	0.4		
CN2	37.1 346 +P	04 58 14.0	0.4		
CD2	38.7 311 eP	04 58 27.8	0.7		
BTO	40.5 327 eP	04 58 44.0	1.8		
LZH	41.3 317 eP	04 58 50.0	0.8		
GTA	45.8 319 +iP	04 59 26.0	0.4		
WMQ	55.9 318 P	05 00 41.5	-0.4		
1985 9 30					
	O=09 17 16.3	± 0.18s			
	LAT=28.19 N	± 3.09km			
	LONG=140.77 E	± 3.15km			
	DEPTH= 14 km	± 0.72km			
	STATIONS USED = 43,	STAND DEV= 2.80s			
	Ms=4.6/ 15,				
	mB=5.2/ 5				
SSE	17.3 284 eP	09 21 22.0	3.0		
	S	09 24 30.0	1.0		
	LN	Ms=4.5	10.0	0.90	
MDJ	18.7 334 P	09 21 34.0	-2.4		
	S	09 25 08.0	7.2		
	LE	Ms=4.7	13.0	1.60	
DL2	19.2 309 P	09 21 43.0	0.7		
	S	09 25 19.0	7.1		
NJ2	19.3 287 +P	09 21 47.0	2.7		
	iS	09 25 26.0	9.6		
	LN	Ms=4.6	12.0	1.20	

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DEPTH = 71 km ± 1.32km
STATIONS USED = 21, STAND DEV = 2.72s

CN2	14.8	312	-P	15 04 18.0	3.9
XAN	26.1	278	eP	15 06 15.0	-1.2
WMQ	41.4	299	P	15 08 31.0	3.2

1985 9 30
O = 16 19 47.7 ± 0.09s
LAT = 17.01 N ± 2.11km
LONG = 93.80 E ± 1.56km
DEPTH = 15 km ± 0.60km
STATIONS USED = 38, STAND DEV = 2.29s

GYA	15.2	50	P	16 23 29.3	5.4
CD2	16.5	31	eP	16 23 41.0	-0.1
LZH	21.0	23	eP	16 24 33.0	-0.4
XAN	21.7	36	eP	16 24 39.3	-1.3
GTA	22.9	12	P	16 24 53.1	0.4
TIY	26.3	35	eP	16 25 25.0	-0.4
KSH	27.2	329	eP	16 25 36.0	2.5
WMQ	27.2	350	P	16 25 34.0	0.6
BTO	27.4	28	eP	16 25 34.3	-0.6

1985 9 30
O = 22 33 16.1 ± 0.26s
LAT = 27.96 N ± 1.67km
LONG = 140.77 E ± 3.18km
DEPTH = 29 km ± 0.54km
STATIONS USED = 18, STAND DEV = 1.59s

NJ2	19.4	287	eP	22 37 45.0	2.2
TIA	21.6	298	eP	22 38 06.0	-0.1
BJI	23.6	307	eP	22 38 23.5	-2.1
			S	22 42 41.0	6.9
TIY	25.6	300	eP	22 38 45.3	0.0
HHC	27.2	306	eP	22 38 58.5	-1.0
XAN	27.9	291	eP	22 39 05.0	-1.0
BTO	28.2	305	eP	22 39 06.5	-2.5
GYA	30.3	275	eP	22 39 31.0	3.3
CD2	32.3	284	eP	22 39 44.8	-0.1
GTA	35.7	299	P	22 40 13.8	-0.4
WMQ	45.1	305	P	22 41 31.0	-0.7

1985 9 30
O = 23 11 55.8 ± 0.10s
LAT = 27.92 N ± 2.03km
LONG = 140.86 E ± 1.92km
DEPTH = 35 km ± 0.54km
STATIONS USED = 28, STAND DEV = 1.74s
Ms = 4.2 / 2, m_B = 5.4 / 2

NJ2	19.5	288	+P	23 16 25.0	2.0
			PMZ	m _B = 5.6	5.0 1.40

			S	23 20 00.0	5.0
			LE	Ms = 4.3	9.0 0.40
CN2	20.1	326	eP	23 16 32.3	2.5
			eS	23 20 05.0	-4.2
			LE	Ms = 4.1	10.0 0.30
TIA	21.7	298	eP	23 16 45.8	-0.3
WHN	23.3	283	eP	23 17 00.0	-1.4
			S	23 21 00.0	-6.9
			SME	m _B = 5.2	9.0 0.60
BJI	23.7	307	eP	23 17 05.0	-0.5
			S	23 21 22.0	7.7
TIY	25.7	300	eP	23 17 25.0	-0.2
HHC	27.3	306	+P	23 17 39.0	-0.4
XAN	28.0	291	eP	23 17 44.5	-1.4
BTO	28.3	305	eP	23 17 48.0	-0.8
CD2	32.4	284	eP	23 18 24.5	-0.2
GTA	35.8	299	P	23 18 53.7	-0.3
WMQ	45.1	305	P	23 20 11.3	-0.1