中国地震台网观测报告

BULLETIN OF SEISMOLOGICAL OBSERVATIONS OF CHINESE STATIONS

1984

上册

国家地震局地球物理研究所编

地震出版社出版

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STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 5 1							
O=01 15 45.8			+/− 0.07 SEC				
LAT=37.50 N			+/− 1.81 KM				
LONG=141.57 E			+/− 1.31 KM				
DEPTH=40 KM			+/− 0.74 KM				
Ms (CHINA)=4.2/12, mb (NEIS)=5.3							
STATIONS USED=73, STAND DEV=1.26 SEC							
MDJ	11.5	311	EP	01 18 34.5	2.8		
			PP	01 18 43.5	3.0		
			S	01 20 41.0	0.5		
			LE	Ms=4.0		20.0	1.5
CN2	13.8	302	PC	01 19 02.4	0.5		
			AP	01 19 11.0	3.0		
			S	01 21 38.5	3.4		
			LE	Ms=4.2		17.0	1.7
SNY	14.5	292	EP	01 19 13.4	1.6		
			XP	01 19 24.4	1.9		
			S	01 21 52.0	− 1.1		
			LN	Ms=4.2		13.0	0.6
			LE			17.0	1.1
DL2	15.7	281	EP	01 19 30.0	2.2		
			XP	01 19 39.5	0.9		
			ES	01 22 28.0	6.0		
			LE	Ms=3.9		9.0	0.3
SSE	18.0	255	EP	01 19 55.4	− 0.9		
			S	01 23 11.8	− 2.0		
			LE	Ms=4.2		16.0	1.0
NJ2	19.4	260	PD	01 20 11.5	− 1.8		
			ES	01 23 44.0	− 1.7		
			LE	Ms=4.0		13.0	0.5
TIA	19.6	273	EP	01 20 13.1	− 2.2		
			ES	01 23 48.0	− 1.7		
			S_m N			11.0	0.5
			LN	Ms=4.2		14.0	0.5
			LE			14.0	0.7
BJI	19.9	285	EP	01 20 16.5	− 2.6		
			AP	01 20 26.0	− 0.3		
			(S)	01 23 50.0	− 7.3		
			LN	Ms=4.0		15.0	0.6
TIY	23.0	279	P	01 20 49.2	− 1.5		
			P_m Z			0.9	0.6
			ES	01 24 56.0	− 0.1		
			LE	Ms=4.2		13.0	0.6
QZH	23.2	243	EP	01 20 51.4	− 0.9		
			S	01 25 03.5	4.4		
			S_m E			9.0	0.3
			LE	Ms=4.3		20.0	1.0
BTO	24.6	287	EP	01 21 04.9	− 1.2		
XAN	26.6	272	PC	01 21 23.8	− 1.1		
GZH	28.2	247	IPD	01 21 40.0	1.3		
			ES	01 26 21.0	− 0.3		
LZH	30.1	278	P	01 21 55.5	− 0.8		
			P_m Z			1.0	0.1
GYA	31.4	259	PC	01 22 07.0	− 0.9		
			XP	01 22 23.0	3.7		
			S	01 27 10.0	− 3.3		
CD2	31.8	269	EP	01 22 10.0	− 1.1		
GTA	32.5	286	IPC	01 22 16.7	− 1.0		
QZN	33.2	245	P	01 22 24.7	1.1		
KMI	35.2	260	PC	01 22 39.5	− 0.8		
WMQ	40.7	296	PC	01 23 27.8	0.8		
			P_m Z			1.5	0.1
			ES	01 29 37.0	0.7		
LSA	42.3	274	EP	01 23 40.6	0.5		
1984 5 1							
O=04 05 41.9			+/− 0.11 SEC				
LAT=4.47 S			+/− 3.43 KM				
LONG=146.14 E			+/− 1.85 KM				
DEPTH=15 KM			+/− 1.23 KM				
Ms (CHINA)=5.1/19, Msz (NEIS)=5.1, mb (NEIS)=5.3							
STATIONS USED=50, STAND DEV=2.29 SEC							
QZH	39.7	318	EP	04 13 16.5	1.2		
			S	04 19 20.0	1.8		
			S_m E			13.0	0.8
			SS	04 22 06.0	0.8		
			LN	Ms=4.8		16.0	1.1
GZH	42.1	311	EP	04 13 37.5	1.7		
			S	04 19 57.0	1.7		
			ISS	04 23 04.5	8.1		
			LE	Ms=4.8		10.0	0.6
SSE	42.6	327	EP	04 13 43.8	3.8		
			ES	04 19 56.0	− 6.6		
			LN	Ms=4.8		14.0	0.9
QZN	42.7	304	EP	04 13 41.2	0.8		
			S	04 20 09.7	6.3		
			LN	Ms=5.0		14.0	1.4
			LE			14.0	0.6
NJ2	44.6	326	PR	04 13 57.0	0.8		
			AP	04 14 06.5	3.8		
			ES	04 20 29.0	− 2.8		
			LN	Ms=5.2		11.0	0.8

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE			12.0	1.3
TIA	48.7	328	EP	04 14 28.0	− 0.5		
			ES	04 21 27.0	− 3.1		
			S_mE			11.0	0.4
			LN	Ms=5.3		17.0	1.3
			LE			17.0	2.3
DL2	48.8	334	EP	04 14 29.0	0.4		
			ES	04 21 32.0	1.8		
			LN	Ms=5.1		12.0	0.8
			LE			12.0	1.0
GYA	49.0	310	P	04 14 32.2	1.2		
			S	04 21 34.0	− 0.6		
SNY	50.5	338	EP	04 14 43.4	1.7		
			S	04 21 53.5	− 0.5		
			LN	Ms=5.1		32.0	1.7
			LE			35.0	2.6
MDJ	51.1	344	EP	04 14 48.5	2.1		
			ES	04 22 00.0	− 2.5		
			SS	04 25 30.0	− 4.1		
			LE	Ms=4.9		32.0	1.9
KMI	51.4	307	EP	04 14 50.0	0.9		
			ES	04 22 06.0	− 1.4		
			S_mN			10.0	0.7
			LN	Ms=4.8		15.0	0.7
CN2	51.5	340	E(P)	04 14 46.0	− 3.9		
			P_mZ			4.0	0.5
			ES	04 21 59.0	−10.0		
			LN	Ms=5.1		12.0	0.9
			LE			12.0	0.6
XAN	52.0	320	EP	04 14 51.8	− 1.4		
BJI	52.2	330	EP	04 14 52.0	− 2.6		
			(S)	04 22 13.0	− 4.4		
			LE	Ms=4.9		14.0	0.7
TIY	52.4	326	EP	04 14 56.0	− 0.2		
			(S)	04 22 15.5	− 5.0		
			LE	Ms=5.0		14.0	0.9
CD2	53.6	313	EP	04 15 04.0	− 1.4		
			ES	04 22 38.0	0.7		
			LN	Ms=5.1		11.0	0.9
HHC	55.1	328	EP	04 15 15.2	− 1.2		
BTO	55.7	327	EP	04 15 21.0	0.0		
			ES	04 23 10.0	3.9		
			LN	Ms=5.1		18.0	1.1
			LE			18.0	0.9
LZH	56.5	319	P	04 15 27.0	0.4		
GTA	61.0	320	EP	04 15 57.0	− 1.1		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	04 24 10.5	− 4.7		
			LN	Ms=6.2		13.0	10.4
LSA	62.6	306	EP	04 16 10.6	1.3		
			ES	04 24 32.6	− 3.7		
			S_mN			10.0	0.5
			S_mE			8.0	0.3
WMQ	71.1	319	PC	04 17 02.5	0.1		
			PCP	04 17 19.5	− 2.1		
			S	04 26 24.2	6.5		
			S_mN			5.0	0.4
			PS	04 27 12.2			
KSH	77.7	311	P	04 17 40.0	− 0.8		
			XP	04 17 52.0	1.9		
			SKS	04 27 41.0	− 6.4		

1984 5 1
O=07 48 27.2 +/− 0.19 SEC
LAT=32.35 N +/− 0.84 KM
LONG=101.85 E +/− 2.03 KM
DEPTH=18 KM +/− 0.02 KM
ML(CHINA)=3.1/1
STATIONS USED=4, STAND DEV=4.83 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
CD2	2.2	131	EPG	07 49 16.4	5.2		
			ESG	07 49 43.4	3.5		
			S_mN	ML=3.1		1.2	0.2
			S_mE			0.8	0.2
LZH	4.1	23	PG	07 49 42.5	0.9		
XAN	6.2	72	EPG	07 50 18.6	− 1.0		

1984 5 1
O=09 39 27.5 +/− 0.67 SEC
LAT=17.11 N +/− 1.95 KM
LONG=122.69 E +/− 2.98 KM
DEPTH=24 KM +/− 5.51 KM
Ms(CHINA)=3.8/5, mb(NEIS)=5.0
STATIONS USED=42, STAND DEV=1.40 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GZH	10.6	305	EP	09 41 59.0	− 2.3		
			LN	Ms=3.8		12.0	0.4
			LE			14.0	0.6
QZN	12.4	280	EP	09 42 22.2	− 3.1		
NJ2	15.3	347	EP	09 43 00.0	− 3.7		
			LE	Ms=3.6		10.0	0.2
TIA	19.7	346	PD	09 43 56.5	− 1.3		
KMI	20.2	296	PC	09 44 07.0	2.7		
XAN	20.9	326	P	09 44 10.9	− 0.2		
CD2	20.0	312	EP	09 44 23.2	0.6		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	09 48 25.0	5.2		
TIY	22.4	338	EP	09 44 28.9	2.5		
			ES	09 48 35.0	8.2		
			LE	Ms=4.1		14.0	0.6
BJI	23.5	347	EP	09 44 36.5	−0.7		
SNY	24.6	1	EP	09 44 48.3	0.3		
			ES	09 49 06.0	0.4		
LZH	25.2	322	P	09 44 54.0	0.1		
			P_mZ			1.5	0.09
HHC	25.5	340	P	09 44 57.6	1.0		
BTO	25.8	337	E(P)	09 45 02.0	2.5		
CN2	26.7	4	E(P)	09 45 08.5	1.1		
			ES	09 49 44.0	4.1		
			LE	Ms=4.2		14.0	0.5
MDJ	28.0	10	EP	09 45 20.0	0.6		
GTA	29.8	322	P	09 45 35.3	−0.4		
LSA	31.4	299	EP	09 45 49.4	−0.8		
WMQ	39.8	319	EP	09 47 01.5	0.8		

1984 5 1
O=15 35 17.5 +/− 0.03 SEC
LAT=39.71 N +/− 0.48 KM
LONG=118.63 E +/− 0.28 KM
DEPTH=12 KM +/− 0.18 KM
ML(CHINA)=3.3/8
STATIONS USED=8, STAND DEV=2.24 SEC

BJI	1.9	280	EPN	15 35 51.5	1.0		
			ESG	15 36 20.5	2.8		
			S_mN	ML=3.5		0.5	0.5
			S_mE			0.5	0.4
TIA	3.7	199	EPG	15 36 26.6	1.7		
			SG	15 37 13.0	−0.2		
			S_mN	ML=2.7		0.4	0.02
			S_mE			0.4	0.02
SNY	4.3	59	EPG	15 36 40.3	4.1		
			SN	15 37 12.5	−3.3		
			SG	15 37 35.3	2.7		
			S_mN	ML=3.6		0.8	0.1
			S_mE			0.8	0.1
TIY	5.2	249	EPG	15 36 55.0	1.9		
			ESG	15 38 01.0	−0.7		
			S_mN	ML=3.1		0.6	0.02
			S_mE			0.6	0.02
CN2	6.5	49	PG	15 37 17.8	1.2		
			ESG	15 38 36.8	−5.4		
			S_mN	ML=3.5		0.8	0.03
			S_mE			0.8	0.02

1984 5 1
O=16 02 49.5 +/− 0.08 SEC
LAT=36.49 N +/− 0.61 KM
LONG=71.13 E +/− 0.57 KM
DEPTH=239 KM +/− 0.67 KM
mb(NEIS)=4.3
STATIONS USED=16, STAND DEV=0.88 SEC

KSH	4.8	50	P	16 04 04.0	0.1		
			S	16 05 00.0	−1.8		
WMQ	14.6	54	PC	16 06 06.0	−1.0		
GTA	22.8	73	IPD	16 07 35.0	2.2		

1984 5 1
O=20 10 53.7 +/− 0.11 SEC
LAT=24.62 S +/− 1.40 KM
LONG=179.52 W +/− 1.77 KM
DEPTH=473 KM +/− 1.60 KM
STATIONS USED=8, STAND DEV=1.55 SEC

CN2	84.7	323	PD	20 22 38.8	0.1		
KMI	90.0	297	P	20 23 06.0	2.2		
CD2	91.8	303	EP	20 23 14.9	2.7		

1984 5 1
O=22 29 36.3 +/− 0.02 SEC
LAT=6.30 S +/− 2.73 KM
LONG=131.06 E +/− 1.31 KM
DEPTH=92 KM +/− 0.93 KM
mb(NEIS)=5.1
STATIONS USED=7, STAND DEV=0.42 SEC

KMI	41.7	319	EP	22 37 18.0	0.2		
XAN	45.3	333	P	22 37 46.0	−0.9		
LSA	52.4	315	PC	22 38 42.7	0.1		
WMQ	63.4	326	P	22 39 58.9	−0.2		

1984 5 1
O=23 22 18.2 +/− 0.17 SEC
LAT=7.36 S +/− 0.72 KM
LONG=128.73 E +/− 0.71 KM
DEPTH=136 KM +/− 1.39 KM
STATIONS USED=8, STAND DEV=0.46 SEC

GZH	33.8	333	P	23 28 50.0	0.4		
CD2	44.9	329	P	23 30 21.8	0.0		
XAN	45.3	336	P	23 30 23.4	−0.8		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 5 1							
O=23 36 18.7			**+/− 0.06 SEC**				
LAT=24.78 N			**+/− 1.07 KM**				
LONG=115.85 E			**+/− 0.65 KM**				
DEPTH=0 KM			**+/− 0.40 KM**				
ML (CHINA)=3.2/6							
STATIONS USED=7, STAND DEV=2.51 SEC							
QZH	2.5	85	EPN	23 37 04.4	3.1		
			ESN	23 37 33.2	0.4		
			S_mN	ML=2.8		0.6	0.1
			S_mE			0.6	0.01
GZH	2.8	234	PGD	23 37 11.8	1.3		
			ISG	23 37 48.0	0.3		
			S_mN	ML=3.3		0.8	0.1
			S_mE			0.6	0.2
1984 5 2							
O=04 00 35.6			**+/− 0.37 SEC**				
LAT=2.63 N			**+/− 1.81 KM**				
LONG=127.05 E			**+/− 1.86 KM**				
DEPTH=44 KM			**+/− 3.07 KM**				
Ms (CHINA)=4.4/2, mb (NEIS)=5.1							
STATIONS USED=40, STAND DEV=1.16 SEC							
GZH	24.3	327	EP	04 05 51.0	0.7		
			ES	04 10 03.0	− 0.6		
NJ2	30.3	346	PD	04 06 46.0	0.9		
GYA	30.7	322	EP	04 06 48.4	− 0.9		
KMI	32.4	315	PD	04 07 03.5	− 0.5		
TIA	34.7	345	EP	04 07 23.4	0.1		
XAN	35.5	333	EP	04 07 28.6	− 2.3		
CD2	35.7	324	EP	04 07 31.5	− 1.0		
DL2	36.4	352	EP	04 07 39.0	0.5		
BJI	38.5	346	EP	04 07 55.5	− 0.4		
SNY	39.1	355	EP	04 08 01.7	0.6		
			LN	Ms=4.3		30.0	0.5
			LE			30.0	0.4
LZH	39.6	329	P	04 08 04.5	− 0.7		
			P_mZ			2.0	0.1
HHC	40.5	341	EP	04 08 12.4	− 0.4		
CN2	41.0	358	PD	04 08 16.5	− 0.2		
			ES	04 14 20.0	− 6.1		
			LE	Ms=4.5		15.0	0.5
MDJ	41.9	2	EP	04 08 24.5	0.8		
			ES	04 14 40.0	1.3		
LSA	43.4	312	EP	04 08 37.8	1.1		
GTA	44.2	329	P	04 08 42.2	− 0.6		
WMQ	53.8	325	PD	04 09 56.0	− 0.8		
1984 5 2							
O=09 03 32.8			**+/− 0.08 SEC**				
LAT=36.53 N			**+/− 0.39 KM**				
LONG=69.18 E			**+/− 0.46 KM**				
DEPTH=69 KM			**+/− 0.69 KM**				
mb (NEIS)=4.7							
STATIONS USED=14, STAND DEV=0.46 SEC							
KSH	6.1	59	EP	09 05 03.0	0.3		
			ES	09 06 07.0	− 5.2		
			LN			.6.0	13.4
WMQ	15.9	57	P	09 07 14.0	0.1		
LSA	19.6	104	EP	09 07 58.4	− 0.4		
GTA	24.3	73	IPD	09 08 45.8	0.8		
CD2	29.2	90	EP	09 09 30.3	− 0.1		
GYA	33.3	96	EP	09 10 06.6	− 0.1		
1984 5 2							
O=17 45 14.3			**+/− 0.28 SEC**				
LAT=34.40 N			**+/− 1.48 KM**				
LONG=25.06 E			**+/− 1.30 KM**				
DEPTH=69 KM			**+/− 2.34 KM**				
mb (NEIS)=4.5							
STATIONS USED=12, STAND DEV=0.81 SEC							
WMQ	48.5	59	EP	17 53 53.2	0.8		
CD2	64.7	68	EP	17 55 49.4	1.1		
CN2	73.7	47	EP	17 56 43.7	0.2		
1984 5 2							
O=18 59 05.4			**+/− 0.04 SEC**				
LAT=55.57 N			**+/− 0.83 KM**				
LONG=135.17 W			**+/− 2.64 KM**				
DEPTH=8 KM			**+/− 1.14 KM**				
Msz (NEIS)=4.0, mb (NEIS)=4.9							
STATIONS USED=5, STAND DEV=0.41 SEC							
CN2	60.0	304	PC	19 09 14.5	− 0.8		
NJ2	72.4	301	PC	19 10 35.0	0.0		
1984 5 2							
O=21 04 34.5			**+/− 0.02 SEC**				
LAT=21.20 N			**+/− 0.01 KM**				
LONG=120.70 E			**+/− 0.02 KM**				
DEPTH=33 KM							
ML (CHINA)=3.4/3							
STATIONS USED=8, STAND DEV=2.68 SEC							

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
QZH	4.2	332	EP	21 05 37.2	− 0.7		
			S	21 06 21.0	− 5.5		
			S_mN	ML = 3.4		0.8	0.08
			S_mE			0.8	0.08
			LE			12.0	0.4
GZH	7.1	286	EP	21 06 20.1	1.7		
			S	21 07 36.5	− 2.0		
			LN			0.7	0.02
			LE			0.7	0.02
GYA	13.9	294	EP	21 07 53.2	1.9		
CD2	18.0	305	EP	21 08 47.7	3.4		
BJI	19.2	349	P	21 08 57.5	− 0.8		

1984 5 3
O = 07 59 12.9 +/− 0.43 SEC
LAT = 5.61 S +/− 3.10 KM
LONG = 154.56 E +/− 2.68 KM
DEPTH = 148 KM +/− 3.60 KM
mb(NEIS) = 5.1
STATIONS USED = 44, STAND DEV = 2.62 SEC

NJ_2	50.6	320	EP	08 08 00.0	1.1		
DL_2	53.8	328	EP	08 08 23.2	0.6		
TIA	54.4	322	EP	08 08 26.6	− 0.7		
MDJ	54.8	338	EP	08 08 30.5	0.3		
CN_2	55.8	334	PD	08 08 36.0	− 1.1		
GYA	56.3	306	P	08 08 41.8	0.9		
BJI	57.5	325	EP	08 08 49.0	− 0.6		
XAN	58.4	315	IPD	08 08 55.4	− 0.4		
KMI	58.9	303	PD	08 09 00.0	0.7		
CD2	60.6	310	IPD	08 09 11.4	0.6		
LZH	63.0	315	PD	08 09 28.0	0.8		
			P_mZ			2.0	0.07
GTA	67.4	316	IPD	08 09 51.6	− 3.9		
LSA	70.1	304	IPD	08 10 13.7	1.4		

1984 5 3
O = 09 32 56.1 +/− 0.21 SEC
LAT = 4.22 S +/− 1.42 KM
LONG = 152.15 E +/− 1.30 KM
DEPTH = 180 KM +/− 1.72 KM
mb(NEIS) = 5.3
STATIONS USED = 42, STAND DEV = 1.47 SEC

SSE	45.9	322	E(P)	09 41 04.2	1.6		
QZN	47.6	300	EP	09 41 17.8	1.7		
DL_2	51.3	329	EP	09 41 44.8	0.3		
TIA	51.9	323	PC	09 41 48.2	− 0.2		
MDJ	52.7	339	EP	09 41 54.0	− 0.3		
CN_2	53.5	336	PD	09 42 00.4	− 0.2		
GYA	53.5	307	P	09 42 02.4	1.5		
BJI	55.1	326	(P)	09 42 08.0	− 3.8		
XAN	55.8	316	EP	09 42 15.6	− 1.3		
KMI	56.1	303	PC	09 42 21.0	1.3		
CD_2	57.9	310	EP	09 42 32.5	0.7		
LZH	60.4	315	PD	09 42 49.5	0.4		
			P_mZ			1.5	0.05
LSA	67.4	304	PD	09 43 35.8	0.7		
WMQ	74.9	317	P	09 44 20.0	0.5		

1984 5 3
O = 10 02 17.7 +/− 0.37 SEC
LAT = 9.71 S +/− 2.44 KM
LONG = 74.45 W +/− 1.44 KM
DEPTH = 56 KM +/− 3.40 KM
mb(NEIS) = 4.8
STATIONS USED = 15, STAND DEV = 2.55 SEC

BJI	148.4	344	PKP	10 21 57.0	1.6		
GTA	150.0	8	IPKP	10 22 04.4	6.2		
TIA	151.6	340	EPKP	10 22 07.0	6.5		

1984 5 3
O = 10 17 27.2 +/− 0.58 SEC
LAT = 2.69 N +/− 3.41 KM
LONG = 127.05 E +/− 3.30 KM
DEPTH = 45 KM +/− 4.80 KM
Ms(CHINA) = 4.5/7, mb(NEIS) = 5.2
STATIONS USED = 45, STAND DEV = 2.64 SEC

QZN	23.4	315	EP	10 22 34.1	1.0		
GZH	24.2	327	EP	10 22 40.6	− 0.7		
			AP	10 22 50.0	− 2.4		
			S	10 27 01.0	6.9		
			S_mE			7.0	0.5
SSE	28.8	349	EP	10 23 24.0	0.6		
			ES	10 28 14.0	5.2		
NJ_2	30.2	346	EP	10 23 37.2	1.2		
GYA	30.7	322	P	10 23 40.4	0.0		
			ES	10 28 42.4	3.4		
KMI	32.3	315	PD	10 23 55.0	− 0.1		
TIA	34.6	345	EP	10 24 14.7	0.4		
			ES	10 29 48.2	8.4		
			LN	Ms = 4.4		17.0	0.6
XAN	35.5	333	EP	10 24 20.1	− 1.8		
CD_2	35.7	324	EP	10 24 22.6	− 0.9		

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STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
DL2	36.4	352	EP	10 24 31.0	1.5		
TIY	37.3	340	EP	10 24 37.0	− 0.7		
			S	10 30 20.0	− 2.3		
			LN	Ms=4.9		19.0	1.8
BJI	38.5	346	EP	10 24 47.0	0.1		
SNY	39.1	355	EP	10 24 53.0	0.9		
			ES	10 30 50.0	1.4		
			LE	Ms=4.5		20.0	0.8
LZH	39.6	329	EP	10 24 56.0	− 0.2		
			P_mZ			2.0	0.09
CN2	41.0	358	PC	10 25 07.5	− 0.2		
			ES	10 31 14.0	− 2.6		
			LE	Ms=4.5		15.0	0.5
MDJ	41.8	2	EPC	10 25 15.7	1.1		
LSA	43.4	312	P	10 25 28.4	0.6		
			AP	10 25 38.3	− 0.8		
			ES	10 31 51.8	− 1.0		
GTA	44.1	329	EP	10 25 33.6	− 0.2		
WMQ	53.8	325	P	10 26 46.5	− 1.4		
KSH	59.0	315	EP	10 27 25.0	− 0.3		
1984 5 3							
O = 11 41 57.0			**+/− 0.08 SEC**				
LAT = 22.10 N			**+/− 1.88 KM**				
LONG = 121.17 E			**+/− 1.67 KM**				
DEPTH = 28 KM			**+/− 0.87 KM**				
mb(NEIS) = 4.8, ML (CHINA) = 3.9/3							
STATIONS USED = 21, STAND DEV = 1.69 SEC							
QZH	3.7	320	PN	11 42 53.7	0.1		
			SN	11 43 33.4	− 3.4		
			S_mN	ML=3.7		0.4	0.2
			S_mE			0.4	0.2
			LN			4.0	0.7
			LE			4.0	0.7
GZH	7.3	279	EPN	11 43 42.0	− 2.6		
			SN	11 44 58.7	− 8.8		
			S_mE			13.0	0.7
NJ2	10.1	348	EP	11 44 22.2	− 1.6		
GYA	13.9	291	P	11 45 15.0	0.0		
			S	11 47 53.0	3.0		
TIA	14.5	346	EP	11 45 24.6	2.2		
TIY	17.3	336	EP	11 46 02.0	3.7		
CD2	17.9	303	EP	11 46 07.0	1.5		
			ES	11 49 24.0	2.4		
BJI	18.4	347	P	11 46 12.0	0.2		
LZH	20.5	316	PC	11 46 37.5	1.2		
			P_mZ			1.5	0.07
GTA	25.1	318	EP	11 47 20.7	− 0.6		
1984 5 3							
O = 12 28 53.0			**+/− 0.41 SEC**				
LAT = 8.61 S			**+/− 2.10 KM**				
LONG = 111.32 E			**+/− 2.07 KM**				
DEPTH = 104 KM			**+/− 3.40 KM**				
mb(NEIS) = 5.7							
STATIONS USED = 87, STAND DEV = 1.40 SEC							
QZN	27.5	356	EP	12 34 34.7	2.7		
			PCP	12 37 50.8	3.5		
			S	12 39 07.0	3.2		
			LE			13.0	0.5
GZH	31.6	3	EP	12 35 08.8	0.8		
			ES	12 40 20.0	12.0		
			LN			10.0	0.4
QZH	34.1	11	EP	12 35 28.0	− 1.9		
			ES	12 40 44.5	− 2.9		
			LN			18.0	1.1
			LE			18.0	0.9
KMI	34.6	346	EP	12 35 35.5	1.4		
			PCP	12 38 09.0	3.0		
			ES	12 41 00.0	5.1		
			LE			16.0	3.1
GYA	35.2	352	P	12 35 40.2	1.2		
			PCP	12 38 10.4	2.6		
			S	12 41 10.0	6.1		
CD2	40.0	349	EP	12 36 19.9	0.8		
			S	12 42 19.5	2.7		
SSE	40.6	13	PD	12 36 25.8	1.5		
			P_mN			0.8	0.07
			P_mE			0.8	0.04
			P_mZ			0.8	0.3
			PCP	12 38 26.4	1.8		
			S	12 42 32.0	5.9		
			LN			24.0	1.3
NJ2	41.1	9	IPD	12 36 30.0	1.8		
			XP	12 36 48.0	− 1.5		
			PCP	12 38 28.0	1.9		
			SCP	12 42 12.8	8.0		
			S	12 42 34.0	0.9		
			S_mN			9.0	0.4
			LN			13.0	0.4
XAN	42.5	357	IPU	12 36 39.5	− 0.3		
			AP	12 37 00.0	− 3.6		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			PCP	12 38 33.0	2.2		
			ES	12 42 56.0	2.1		
LSA	42.8	333	P	12 36 42.4	− 0.1		
			AP	12 37 01.8	− 4.1		
			ES	12 42 59.8	1.1		
TIA	44.9	6	EP	12 36 58.5	− 1.0		
			EPP	12 38 40.8	− 5.2		
			SCP	12 42 27.0	6.7		
			ES	12 43 29.0	− 0.2		
			LE			16.5	1.0
LZH	45.0	351	EP	12 37 00.5	0.1		
			PmZ			1.0	0.2
			PCP	12 38 42.0	2.6		
			ES	12 43 36.0	5.1		
TIY	46.1	1	IPU	12 37 09.0	0.1		
			PmZ			1.0	0.2
			AP	12 37 35.5	2.6		
			(S)	12 43 51.0	4.8		
			LE			13.0	0.6
DL2	48.2	10	PU	12 37 25.0	− 0.5		
			PCP	12 38 53.0	2.2		
			ES	12 44 18.0	1.8		
			LN			6.0	0.6
BJI	48.6	4	EP	12 37 28.0	− 0.4		
			PCP	12 38 54.5	2.3		
			SCP	12 42 42.5	6.8		
			ES	12 44 25.0	3.5		
			SmN			5.5	0.2
			LN			16.0	0.3
			LE			16.0	0.3
GTA	49.0	348	IPC	12 37 32.0	0.7		
			IPCP	12 38 55.8	2.4		
			SCP	12 42 44.7	7.5		
			S	12 44 33.6	7.0		
			SCS	12 47 16.7	7.7		
BTO	49.0	358	IPD	12 37 32.0	0.6		
			ES	12 44 30.0	3.2		
			LN			15.0	0.4
			LE			15.0	0.2
HHC	49.2	0	PU	12 37 34.0	0.8		
			PCP	12 38 56.0	1.6		
SNY	51.4	11	PU	12 37 48.4	− 1.6		
			PmZ			0.8	0.3
			ES	12 44 55.0	− 5.6		
			LN			27.0	0.9
			LE			27.0	1.0
CN2	53.7	12	IPC	12 38 04.9	− 2.1		
			PmZ			3.0	0.3
			PCP	12 39 12.0	1.0		
			SCP	12 43 04.0	6.5		
			S	12 45 31.0	− 0.7		
			SCS	12 47 47.0	5.3		
			LE			17.0	0.9
MDJ	55.5	15	PD	12 38 19.1	− 0.8		
WMQ	56.4	339	PC	12 38 26.0	− 0.6		
			PmZ			1.5	0.08
			PCP	12 39 23.0	1.6		
			ES	12 46 12.0	4.1		
			SCS	12 48 08.0	7.1		
KSH	58.0	328	EP	12 38 36.0	− 1.6		
			PCP	12 39 30.0	2.5		
			S	12 46 32.0	3.7		

1984 5 3

O = 13 08 40.6 +/− 0.05 SEC
LAT = 2.66 N +/− 1.59 KM
LONG = 127.05 E +/− 0.88 KM
DEPTH = 26 KM +/− 0.57 KM
Ms (CHINA) = 4.1/4, mb (NEIS) = 5.4
STATIONS USED = 63, STAND DEV = 0.89 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
QZN	23.4	315	EP	13 13 49.5	0.8		
			S	13 17 50.5	− 6.3		
			LE	Ms = 4.0		13.0	0.4
QZH	23.6	340	EP	13 13 50.0	− 0.5		
			XP	13 14 05.0	2.8		
			S	13 17 56.0	− 4.1		
			LE	Ms = 4.4		20.0	1.4
GZH	24.3	327	EP	13 13 56.5	− 0.4		
			XP	13 14 12.0	3.4		
			ES	13 18 09.0	− 2.5		
			SmN			9.0	0.3
SSE	28.8	349	PD	13 14 40.4	1.3		
			PmZ			1.4	0.05
NJ2	30.2	346	PU	13 14 52.0	0.2		
GYA	30.7	322	P	13 14 55.6	− 0.5		
			PCP	13 17 54.8	1.8		
			S	13 19 55.0	− 1.4		
KMI	32.4	315	PD	13 15 10.5	− 0.3		
TIA	34.6	345	EP	13 15 30.3	0.2		
XAN	35.5	333	EP	13 15 35.8	− 1.9		
CD2	35.7	324	EP	13 15 38.4	− 0.9		
DL2	36.4	352	PU	13 15 46.5	1.2		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	13 21 24.0	− 0.9		
TIY	37.4	340	P	13 15 53.5	0.0		
BJI	38.5	346	EP	13 16 03.0	0.3		
SNY	39.1	355	IPC	13 16 09.1	1.2		
			ES	13 22 05.0	− 1.1		
			XS	13 22 19.0	− 0.8		
			LN	Ms=4.1		26.0	0.4
LZH	39.6	329	PC	13 16 11.5	− 0.5		
			P_mZ			1.7	0.2
HHC	40.5	341	EP	13 16 19.0	− 0.6		
BTO	40.8	340	EP	13 16 22.5	0.6		
CN_2	41.0	358	PC	13 16 23.6	0.1		
MDJ	41.8	2	PC	13 16 31.7	1.2		
LSA	43.4	312	P	13 16 43.8	0.2		
			AP	13 16 53.8	2.4		
			ES	13 23 04.8	− 5.5		
GTA	44.2	329	IPC	13 16 49.5	− 0.1		
			PCP	13 18 35.0	1.1		
WMQ	53.8	325	PC	13 18 02.5	− 1.2		

1984 5 3
O=13 17 59.8 +/− 0.18 SEC
LAT=30.57 N +/− 0.61 KM
LONG=78.57 E +/− 0.80 KM
DEPTH=58 KM +/− 1.50 KM
mb(NEIS)=4.5
STATIONS USED=10, STAND DEV=0.57 SEC

GYA	25.0	92	P	13 23 21.2	1.1		
XAN	25.8	74	EP	13 23 27.4	− 0.6		
CN_2	39.1	56	PD	13 25 23.0	− 0.5		

1984 5 3
O=20 31 22.7 +/− 0.07 SEC
LAT=12.00 N +/− 8.00 KM
LONG=85.10 W +/− 2.39 KM
DEPTH=51 KM +/− 2.42 KM
mb(NEIS)=4.5
STATIONS USED=7, STAND DEV=1.36 SEC

BJI	124.6	340	(PKP)	20 50 26.0	8.4		
QZN	145.8	334	EPKP	20 50 59.6	2.8		

1984 5 4
O=00 24 21.9 +/− 0.45 SEC
LAT=55.52 S +/− 2.07 KM
LONG=146.67 E +/− 2.03 KM
DEPTH=24 KM +/− 3.75 KM

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			Ms(CHINA)=5.5/1, Msz(NEIS)=5.4, mb(NEIS)=5.2				
			STATIONS USED=15, STAND DEV=1.09 SEC				
KMI	88.6	321	PD	00 37 15.5	0.1		
			ES	00 48 04.0	4.7		
			S_mN			7.0	0.4
CD2	93.6	324	EP	00 37 41.6	3.4		
TIA	94.8	336	EP	00 37 42.8	− 1.0		

1984 5 4
O=01 48 40.2 +/− 0.08 SEC
LAT=73.52 N +/− 1.83 KM
LONG=7.08 E +/− 1.04 KM
DEPTH=39 KM +/− 0.67 KM
Msz(NEIS)=4.2, mb(NEIS)=4.4
STATIONS USED=10, STAND DEV=1.72 SEC

CN_2	55.8	50	EP	01 58 17.0	1.1		
TIA	61.0	60	EP	01 58 53.4	0.6		

1984 5 4
O=02 00 02.3 +/− 0.02 SEC
LAT=73.51 N +/− 0.48 KM
LONG=7.23 E +/− 0.38 KM
DEPTH=11 KM +/− 0.21 KM
Msz(NEIS)=4.2, mb(NEIS)=4.8
STATIONS USED=17, STAND DEV=0.49 SEC

WMQ	45.9	83	EP	02 08 29.0	1.3		
CN_2	55.7	50	PC	02 09 41.0	− 0.9		
XAN	60.9	68	EP	02 10 18.5	0.1		
TIA	61.0	60	EP	02 10 18.4	− 0.3		

1984 5 4
O=02 08 13.4 +/− 0.30 SEC
LAT=2.65 N +/− 1.75 KM
LONG=126.95 E +/− 1.49 KM
DEPTH=55 KM +/− 2.50 KM
Ms(CHINA)=4.1/2, mb(NEIS)=5.2
STATIONS USED=54, STAND DEV=1.14 SEC

QZN	23.4	315	EP	02 13 19.0	1.1		
QZH	23.6	340	EP	02 13 20.0	− 0.1		
			ES	02 17 26.0	− 1.3		
			LE	Ms=4.0		10.0	0.2
GZH	24.2	328	EP	02 13 26.8	0.5		
NJ_2	30.2	346	EP	02 14 22.4	1.1		
GYA	30.7	322	P	02 14 24.6	− 0.7		
KMI	32.3	315	EP	02 14 39.0	− 0.9		
TIA	34.6	345	EP	02 15 00.0	0.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
XAN	35.5	333	EP	02 15 05.6	− 1.4		
CD2	35.6	324	EP	02 15 07.6	− 0.8		
DL2	36.4	352	P	02 15 15.8	0.9		
TIY	37.4	340	EP	02 15 22.8	− 0.1		
BJI	38.5	346	EP	02 15 32.0	− 0.2		
SNY	39.1	356	PC	02 15 38.1	0.6		
			S	02 21 40.0	6.6		
LZH	39.5	330	EP	02 15 41.5	0.3		
			PmZ			1.5	0.07
CN2	41.0	358	EP	02 15 52.5	− 0.6		
MDJ	41.9	2	EP	02 16 01.0	0.9		
LSA	43.3	312	EP	02 16 13.6	1.0		
GTA	44.1	329	IPC	02 16 18.8	0.0		
WMQ	53.7	325	IPD	02 17 32.4	− 0.4		
1984 5 4							
O = 02 21 12.6			+/−	**0.08 SEC**			
LAT = 73.52 N			+/−	**1.68 KM**			
LONG = 7.78 E			+/−	**1.36 KM**			
DEPTH = 11 KM			+/−	**0.74 KM**			
Ms (CHINA) = 4.9/3, Msz (NEIS) = 4.8, mb (NEIS) = 5.0							
STATIONS USED = 44, STAND DEV = 1.67 SEC							
WMQ	45.8	83	P	02 29 38.5	1.8		
			ES	02 36 29.0	8.9		
			LN	Ms = 4.6		13.0	0.4
KSH	46.5	97	EP	02 29 45.0	2.7		
GTA	53.3	75	EP	02 30 35.0	0.6		
CN2	55.6	51	EP	02 30 50.6	− 0.7		
			ES	02 38 32.0	− 3.8		
			LE	Ms = 4.9		18.0	0.9
BJI	57.0	60	EP	02 30 59.0	− 2.2		
LZH	57.5	72	EP	02 31 05.0	0.0		
TIY	58.2	64	EP	02 31 10.2	0.1		
			LN	Ms = 4.9		16.0	0.8
DL2	59.4	56	EP	02 31 17.0	− 1.0		
LSA	59.9	87	EP	02 31 18.0	− 4.3		
XAN	60.8	68	EP	02 31 27.6	− 0.1		
TIA	60.8	60	EP	02 31 28.3	0.2		
CD2	62.3	74	(P)	02 31 40.0	1.8		
NJ2	65.2	60	EP	02 31 53.8	− 3.3		
GYA	67.3	73	P	02 32 11.2	0.5		
KMI	67.5	77	EP	02 32 13.0	1.0		
1984 5 4							
O = 03 56 56.4			+/−	**0.34 SEC**			
LAT = 6.51 S			+/−	**1.29 KM**			
LONG = 152.70 E			+/−	**1.63 KM**			
DEPTH = 31 KM			+/−	**2.79 KM**			
Ms (CHINA) = 4.6/8, mb (NEIS) = 5.6							
STATIONS USED = 63, STAND DEV = 0.93 SEC							
SSE	48.0	322	EP	04 05 36.0	0.7		
			ES	04 12 32.0	1.3		
GZH	48.4	308	EP	04 05 38.5	0.1		
			S	04 12 42.0	5.7		
QZN	49.3	301	EP	04 05 46.7	1.9		
NJ2	50.1	321	PD	04 05 51.0	− 0.3		
			PmZ			5.0	0.3
			ES	04 13 00.0	0.2		
			LN	Ms = 4.5		12.0	0.3
DL2	53.6	329	EP	04 06 17.0	− 0.5		
TIA	54.0	324	EP	04 06 19.4	− 1.4		
			ES	04 13 54.0	0.4		
			SmN			7.0	0.6
			LN	Ms = 4.9		13.0	0.3
SNY	55.0	333	PU	04 06 27.3	− 0.3		
			PmZ			7.0	0.4
			S	04 14 08.5	2.3		
			SmN			8.0	0.4
			SmE			8.0	0.2
			SS	04 17 54.0	5.8		
			LE	Ms = 4.6		29.0	0.7
MDJ	55.0	339	PC	04 06 27.8	0.1		
			ES	04 14 04.0	− 2.3		
GYA	55.4	308	P	04 06 32.6	2.0		
			S	04 14 18.0	6.3		
CN2	55.8	336	PD	04 06 32.4	− 1.3		
			PmZ			4.0	0.4
			ES	04 14 13.0	− 4.5		
			LE	Ms = 4.7		15.0	0.5
BJI	57.3	327	EP	04 06 43.0	− 1.0		
			PmN			6.0	0.2
			PmE			6.0	0.2
			PmZ			7.0	0.3
			ES	04 14 34.0	− 2.6		
			SmN			8.0	0.7
			SmE			7.5	0.3
XAN	57.8	317	P	04 06 47.3	− 0.6		
			ES	04 14 40.0	− 3.7		
TIY	57.8	322	EP	04 06 47.6	− 0.4		
			LE			15.0	0.6
KMI	57.9	304	PD	04 06 49.0	0.4		
			ES	04 14 50.0	5.0		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S_mE			10.0	0.4
CD_2	59.8	311	EP	04 07 02.0	0.3		
			ES	04 15 13.0	3.4		
BTO	61.1	323	EP	04 07 10.0	− 0.8		
			S	04 15 29.0	2.3		
LZH	62.4	316	EP	04 07 19.5	0.0		
			P_mZ			2.0	0.1
GTA	66.8	317	IPD	04 07 49.2	0.9		
LSA	69.1	305	EP	04 08 02.0	− 1.0		
			ES	04 17 06.0	0.1		
WMQ	76.9	317	P	04 08 48.6	0.0		
			P_mZ			2.5	0.2
			ES	04 18 35.0	1.2		
			S_mN			7.0	0.6
KSH	83.9	310	PD	04 09 27.0	1.0		
			S	04 19 52.0	5.0		
			S_mN			6.0	1.7

1984 5 4
O = 05 14 41.4 +/− 0.07 SEC
LAT = 36.24 N +/− 1.65 KM
LONG = 141.81 E +/− 0.91 KM
DEPTH = 50 KM +/− 1.04 KM
Ms (CHINA) = 4.1/3, mb (NEIS) = 4.5
STATIONS USED = 15, STAND DEV = 1.28 SEC

DL2	16.2	285	E(P)	05 18 29.0	1.4		
			LN	Ms = 4.3		12.0	0.6
			LE			14.0	0.9
TIA	19.9	277	EP	05 19 10.3	− 1.5		
			LN	Ms = 4.1		14.0	0.5
			LE			12.0	0.3
BJI	20.5	288	(P)	05 19 15.0	− 2.9		

1984 5 4
O = 06 42 38.9 +/− 0.08 SEC
LAT = 16.98 S +/− 1.63 KM
LONG = 174.41 E +/− 1.09 KM
DEPTH = 18 KM +/− 0.64 KM
mb (NEIS) = 5.0
STATIONS USED = 19, STAND DEV = 1.72 SEC

MDJ	73.6	328	EP	06 54 16.0	2.0
DL2	74.3	319	EP	06 54 18.0	0.0
CN2	75.2	325	EP	06 54 22.4	− 0.9
TIA	75.7	315	EP	06 54 28.8	3.1
BJI	78.4	318	P	06 54 38.5	− 2.6

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ

1984 5 4
O = 12 30 22.1 +/− 0.55 SEC
LAT = 27.88 N +/− 0.47 KM
LONG = 100.97 E +/− 0.96 KM
DEPTH = 0 KM
ML (CHINA) = 2.9/2
STATIONS USED = 4, STAND DEV = 4.07 SEC

KMI	3.2	149	EPG	12 31 16.5	−3.3		
			SG	12 32 01.5	0.2		
CD2	3.9	38	PG	12 31 30.4	− 2.3		
			ESG	12 32 26.2	2.7		
			S_mN	ML = 3.1		0.8	0.02
			S_mE			1.0	0.07

1984 5 4
O = 13 21 52.6 +/− 0.02 SEC
LAT = 2.24 N +/− 0.31 KM
LONG = 126.53 E +/− 0.97 KM
DEPTH = 33 KM +/− 0.42 KM
mb (NEIS) = 4.5
STATIONS USED = 4, STAND DEV = 0.48 SEC

BJI	38.8	347	EP	13 29 16.0	− 0.1
MDJ	42.3	3	EP	13 29 44.5	− 0.6

1984 5 4
O = 14 00 01.2 +/− 0.05 SEC
LAT = 7.56 S +/− 0.59 KM
LONG = 128.32 E +/− 1.01 KM
DEPTH = 150 KM +/− 0.21 KM
mb (NEIS) = 4.8
STATIONS USED = 11, STAND DEV = 0.88 SEC

CD2	44.9	329	EP	14 08 03.0	− 0.2
BJI	48.7	347	P	14 08 31.0	−1.5
CN2	51.2	357	EP	14 08 50.4	− 1.3

1984 5 4
O = 14 10 22.0 +/− 0.34 SEC
LAT = 42.56 N +/− 1.04 KM
LONG = 149.25 E +/− 1.48 KM
DEPTH = 21 KM +/− 2.83 KM
mb (NEIS) = 4.7
STATIONS USED = 8, STAND DEV = 0.67 SEC

BJI	24.9	275	P	14 15 44.0	− 1.2
TIA	25.5	266	EP	14 15 51.2	0.0
CD_2	37.8	267	EP	14 17 40.8	1.2

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 5 4							
O = 14 19 51.2			+/−	0.22 SEC			
LAT = 19.64 S			+/−	1.01 KM			
LONG = 169.08 E			+/−	0.98 KM			
DEPTH = 58 KM			+/−	1.81 KM			
mb(NEIS) = 4.9							
STATIONS USED = 9, STAND DEV = 0.64 SEC							
CN2	74.7	328	PD	14 31 26.4	− 0.9		
KMI	78.4	302	EP	14 31 49.0	0.9		
1984 5 4							
O = 17 12 51.9			+/−	0.13 SEC			
LAT = 34.97 N			+/−	7.53 KM			
LONG = 135.55 E			+/−	2.72 KM			
DEPTH = 14 KM			+/−	2.37 KM			
mb(NEIS) = 4.8							
STATIONS USED = 10, STAND DEV = 2.81 SEC							
MDJ	10.7	336	EP	17 15 29.5	1.9		
CN2	11.8	321	EP	17 15 40.0	− 2.7		
			(S)	17 17 52.0	− 3.3		
			LN			13.0	0.4
BJI	16.2	293	P	17 16 42.0	1.2		
HHC	19.8	294	EP	17 17 24.0	− 1.0		
CD2	26.9	270	(P)	17 18 30.8	− 4.3		
GTA	28.7	289	P	17 18 48.2	− 3.0		
1984 5 4							
O = 17 36 58.5			+/−	0.17 SEC			
LAT = 57.83 S			+/−	1.29 KM			
LONG = 65.60 W			+/−	4.10 KM			
DEPTH = 8 KM			+/−	1.77 KM			
Msz(NEIS) = 4.9, mb(NEIS) = 5.5							
STATIONS USED = 14, STAND DEV = 4.34 SEC							
LSA	147.6	140	EPKP	17 56 42.0	− 0.4		
KSH	149.2	109	EPKP	17 56 51.0	6.3		
CD2	152.1	160	EPKP	17 56 52.4	3.4		
NJ2	154.0	188	EPKP	17 57 07.4	15.8		
WMQ	158.3	118	EPKP	17 56 57.0	− 0.3		
TIA	158.3	185	EPKP	17 57 01.5	4.2		
1984 5 4							
O = 19 35 22.9			+/−	0.03 SEC			
LAT = 26.92 N			+/−	1.13 KM			
LONG = 129.38 E			+/−	0.73 KM			
DEPTH = 44 KM			+/−	0.44 KM			
STATIONS USED = 4, STAND DEV = 0.85 SEC							
BJI	17.1	323	P	19 39 19.0	− 1.1		
CD2	22.8	286	EP	19 40 23.0	0.3		
1984 5 4							
O = 21 35 01.9			+/−	0.03 SEC			
LAT = 37.92 N			+/−	0.70 KM			
LONG = 29.26 E			+/−	0.42 KM			
DEPTH = 22 KM			+/−	0.26 KM			
mb(NEIS) = 4.6							
STATIONS USED = 12, STAND DEV = 0.60 SEC							
WMQ	43.8	63	EP	21 43 07.4	− 1.0		
CD2	60.4	72	EP	21 45 12.0	− 0.5		
BJI	64.9	57	P	21 45 41.0	− 1.3		
1984 5 4							
O = 23 03 18.6			+/−	0.28 SEC			
LAT = 59.24 N			+/−	2.17 KM			
LONG = 153.22 W			+/−	1.66 KM			
DEPTH = 100 KM			+/−	2.29 KM			
mb(NEIS) = 4.8							
STATIONS USED = 36, STAND DEV = 2.02 SEC							
MDJ	47.0	287	EP	23 11 42.0	− 0.1		
CN2	49.6	290	IPC	23 12 02.0	− 0.3		
SNY	52.0	289	PC	23 12 21.3	0.9		
BJI	56.9	292	P	23 12 56.0	− 0.3		
HHC	58.4	297	P	23 13 07.0	0.1		
GTA	64.8	304	IPD	23 13 49.3	− 0.2		
XAN	65.2	295	P	23 13 51.4	− 0.7		
WMQ	65.7	316	EP	23 13 55.4	− 0.2		
CD2	70.2	297	EP	23 14 22.6	− 0.6		
GYA	72.6	292	P	23 14 38.0	0.4		
LSA	76.7	306	PC	23 15 03.2	1.4		
1984 5 5							
O = 02 19 46.8			+/−	0.11 SEC			
LAT = 28.86 N			+/−	1.41 KM			
LONG = 96.00 E			+/−	1.03 KM			
DEPTH = 12 KM			+/−	0.30 KM			
Ms(CHINA) = 4.1/3, ML (CHINA) = 4.5/2							
STATIONS USED = 16, STAND DEV = 2.06 SEC							
LSA	4.3	282	PNC	02 20 55.3	0.8		
			PG	02 21 06.2	0.7		
			SN	02 21 45.2	− 0.9		
			SG	02 22 03.8	1.7		
			LN			1.0	0.1
CD2	7.0	71	EPN	02 21 35.0	2.5		