STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 1							
O=02 12 39.4			+/- 0.12 SEC				
LAT=10.17 S			+/- 1.41 KM				
LONG=123.27 E			+/- 2.77 KM				
DEPTH=56 KM			+/- 0.45 KM				
mb(NEIS)=4.5							
STATIONS USED=17, STAND DEV=2.05 SEC							
GYA	39.8	336	EP	02 20 09.6	0.1		
XAN	46.0	343	EP	02 20 58.0	- 1.9	46.0	
LZH	49.5	339	EP	02 21 26.5	- 0.7		
LSA	50.3	323	P	02 21 33.7	0.4		
GTA	53.9	337	P	02 22 00.0	- 0.3		
MDJ	54.8	5	EP	02 22 06.0	- 0.7		
1984 2 1							
O=06 10 37.0			+/- 0.18 SEC				
LAT=13.64 N			+/- 2.68 KM				
LONG=95.30 E			+/- 2.56 KM				
DEPTH=30 KM			+/- 0.16 KM				
Ms(CHINA)=4.8/6, mb(NEIS)=4.8							
STATIONS USED=32, STAND DEV=2.40 SEC							
KMI	13.4	30	EP	06 13 52.0	4.0		
			ES	06 16 19.0	1.7		
			S_mN			5.0	0.3
LSN	16.4	347	EP	06 14 31.7	3.9		
			ES	06 17 28.3	- 1.0		
GYA	16.6	38	P	06 14 30.0	0.4		
CD2	18.9	22	EP	06 14 58.2	0.6		
			ES	06 18 19.0	- 7.2		
			LN	Ms=4.4		10.0	0.9
LZH	23.6	17	EP	06 15 48.5	1.6		
			P_mZ			2.5	0.2
XAN	23.8	29	EP	06 15 47.0	- 1.1		
			ES	06 20 03.0	4.3		
			LN	Ms=4.7		10.0	1.1
			LE			12.0	1.2
WHN	24.3	43	EP	06 15 52.0	- 1.3		
GTA	26.0	7	P	06 16 10.8	1.5		
			LE			9.5	0.3
NJ2	28.3	45	PC	06 16 27.8	- 2.5		
			LN	Ms=4.9		8.0	0.9
			LE			9.0	1.0
BTO	29.8	22	EP	06 16 42.8	- 1.0		
WMQ	30.8	349	PC	06 16 55.0	2.4		
BJI	32.1	31	E(P)	06 17 02.0	- 1.7		
CN2	39.6	34	PD	06 16 06.0	- 1.9		

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 1							
O=07 28 27.2			+/- 0.12 SEC				
LAT=49.08 N			+/- 3.38 KM				
LONG=146.64 E			+/- 2.61 KM				
DEPTH=574 KM			+/- 0.65 KM				
mb(NEIS)=5.5							
STATIONS USED=165, STAND DEV=2.46 SEC							
MDJ	12.5	255	IPC	07 31 11.0	- 0.2		
			XP	07 33 06.0	1.1		
			IS	07 33 17.0	- 5.9		
			S_mN			6.0	18.6
			SCP	07 38 40.0	- 0.9		
			SCS	07 42 16.0	- 0.2		
CN2	15.5	258	PU	07 31 39.5	- 1.6		
			P_mZ			5.0	5.6
			XP	07 33 48.0	1.5		
			S	07 34 12.0	- 5.3		
			S_mE			8.0	34.0
			ISCP	07 38 44.0	- 2.0		
			ISCS	07 42 22.0	- 1.8		
SNY	17.7	254	IPU	07 32 03.0	1.1		
			P_mZ			4.0	7.2
			S	07 34 54.0	- 0.8		
			S_mN			6.5	1.8
			S_mE			6.0	3.3
			SCP	07 38 49.5	- 0.9		
			ISCS	07 42 29.3	- 0.8		
DL2	20.6	249	IPR	07 32 29.0	0.1		
			P_mN			4.0	1.1
			P_mE			4.0	1.1
			P_mZ			4.0	2.2
			XP	07 34 58.0	4.7		
			IS	07 35 41.5	- 1.6		
			S_mN			7.0	17.0
			S_mE			7.0	24.7
			SCS	07 42 35.5	- 4.2		
BJI	23.4	258	PD	07 32 54.5	0.2		
			P_mN			4.5	1.1
			P_mE			5.0	2.5
			P_mZ			4.5	3.1
			XP	07 35 33.0	6.1		
			S	07 36 26.0	- 2.3		
			S_mN			9.0	5.1
			S_mE			10.5	9.0
			SCS	07 42 49.0	- 1.3		
TIA	25.1	250	IPD	07 33 09.2	0.0		

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mN			6.0	0.8
			P_mE			6.0	0.9
			P_mZ			6.0	1.7
			XP	07 35 42.0	− 2.1		
			SCP	07 39 08.0	− 0.5		
			S	07 36 53.4	− 1.5		
			S_mN			9.0	3.9
			S_mE			9.0	6.8
			SCS	07 42 55.6	− 1.8		
HHC	26.0	264	PR	07 33 18.1	0.8		
			S	07 37 08.0	− 1.3		
SSE	26.3	236	PD	07 33 20.3	0.2		
			P_mN			1.2	0.1
			P_mE			1.2	0.07
			P_mZ			1.2	0.3
			XP	07 35 56.0	− 0.2		
			IS	07 37 12.0	− 2.3		
			S_mE			10.0	5.9
			ISCP	07 39 11.0	− 1.1		
			ISCS	07 43 02.2	− 0.5		
NJ2	26.9	241	PD	07 33 25.5	0.2		
			XP	07 36 04.0	2.1		
			S	07 37 21.5	− 2.0		
			S_mN			8.0	5.3
			S_mE			8.0	9.0
			SCP	07 38 13.0	− 0.8		
			SCS	07 43 05.0	− 0.4		
BTO	27.1	265	IPR	07 33 28.0	0.8		
			S	07 37 26.0	− 1.0		
TIY	27.1	258	IPR	07 33 28.0	0.8		
			IS	07 37 27.5	0.5		
			S_mN			6.5	5.5
			S_mE			6.0	7.8
			PCS	07 40 10.0	1.7		
			SCS	07 43 06.0	− 0.3		
WHN	30.6	244	IP	07 33 57.5	0.1		
			S	07 38 18.5	− 3.0		
			SCP	07 39 25.5	− 0.2		
			SCS	07 43 22.0	− 1.1		
XAN	31.6	255	IP	07 34 05.6	− 0.2		
			P_mN			4.0	0.9
			P_mE			4.0	0.8
			P_mZ			4.0	2.4
			XP	07 36 48.0	2.5		
			IS	07 38 31.6	− 5.0		
QZH	32.6	232	P	07 34 14.5	0.7		
			XP	07 37 01.0	6.9		
			S	07 38 50.5	− 0.7		
			S_mN			7.0	3.1
			S_mE			7.0	4.0
			SCP	07 39 32.5	0.3		
			SS	07 41 53.0	0.6		
			SCS	07 43 34.0	0.9		
LZH	33.6	263	IPD	07 34 24.5	1.6		
			P_mZ			0.5	2.5
			XP	07 37 05.0	1.5		
			S	07 39 06.0	− 1.8		
			S_mE			6.0	6.5
			SCP	07 39 36.0	0.0		
			SCS	07 43 40.0	1.3		
GTA	34.4	271	IPD	07 34 31.3	1.9		
			P_mZ			4.5	2.4
			SCP	07 39 39.3	0.5		
			S	07 39 18.0	− 1.6		
			S_mN			6.8	4.1
			S_mE			6.7	6.2
			XS	07 42 07.5	− 4.6		
			SCS	07 43 43.5	0.5		
			LE			9.0	3.4
GZH	36.9	237	IPC	07 34 50.2	0.6		
			PCP	07 36 56.2	0.4		
			XP	07 37 34.0	2.3		
			SCP	07 39 49.0	1.2		
			IS	07 39 51.0	− 5.1		
			S_mN			10.0	2.7
			S_mE			8.0	4.0
			SCS	07 43 59.0	2.3		
CD2	36.9	256	IPD	07 34 51.2	1.0		
			P_mZ			0.7	0.8
			AP	07 36 33.0	4.7		
			IS	07 39 54.0	− 3.1		
			S_mN			6.0	8.3
			S_mE			6.0	5.5
GYA	38.2	248	P	07 35 01.0	0.3		
			AP	07 36 43.0	3.5		
			S	07 40 12.0	− 4.0		
			S_mN			5.0	8.0
			S_mE			5.0	7.5
			SCS	07 44 02.0	− 2.5		
WMQ	40.1	285	IPD	07 35 17.0	1.5		
			P_mZ			5.0	9.0
			AP	07 36 57.5	2.0		

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			SCP	07 39 60.0	0.1		
			IS	07 40 42.0	− 0.6		
			S_mN			6.0	8.5
			S_mE			6.0	7.2
			ISCS	07 44 13.0	− 2.4		
			LN			8.0	5.2
			LE			8.0	3.8
KMI	41.6	251	IPD	07 35 28.5	0.4		
			PCP	07 37 10.0	− 1.1		
			IS	07 41 02.0	− 3.1		
			S_mE			7.0	8.4
			XS	07 44 04.0	− 0.8		
			SCS	07 44 24.0	− 0.8		
QZN	42.1	237	IPC	07 35 33.1	1.6		
			PCP	07 37 13.8	1.1		
			PP	07 37 22.1	1.0		
			SCP	07 40 02.0	− 6.0		
			S	07 41 13.0	1.8		
			S_mN			9.0	4.4
			S_mE			7.0	5.3
			XS	07 44 20.0	8.2		
			SCS	07 44 30.0	2.3		
			SS	07 44 38.0	4.8		
LSA	45.9	266	IPD	07 36 03.6	1.7		
			P_mZ			5.0	4.9
			AP	07 37 46.9	2.1		
			IS	07 42 07.4	1.2		
			S_mN			6.0	4.7
			S_mE			6.5	6.4
			SCS	07 44 53.4	1.0		
KSH	49.8	286	IPR	07 36 32.0	1.4		
			AP	07 38 19.0	2.8		
			IS	07 43 02.0	3.4		
			S_mE			5.0	6.2
			SCS	07 45 21.0	2.7		

1984 2 1

O = 09 50 47.4 +/− 0.11 SEC
LAT = 9.65 S + − 4.60 KM
LONG = 123.52 E +/− 1.84 KM
DEPTH = 37 KM +/− 1.87 KM
mb(NEIS) = 4.9
STATIONS USED = 12, STAND DEV = 0.49 SEC

CD2	44.6	335	EP	09 58 58.4	0.3		
XAN	45.6	342	PC	09 59 06.0	− 0.4		
LZH	49.1	338	EP	09 59 34.5	0.4		
BJI	49.9	352	E(P)	09 59 39.0	− 0.9		
LSA	50.0	322	P	09 59 41.2	− 0.1		
GTA	53.5	337	EP	10 00 07.8	0.3		
MDJ	54.3	5	EP	10 00 13.5	0.7		
WMQ	62.4	331	P	10 01 09.0	− 0.4		

1984 2 1

O = 12 16 17.4 +/− 0.13 SEC
LAT = 25.86 N +/− 1.36 KM
LONG = 104.13 E +/− 1.22 KM
DEPTH = 15 KM +/− 0.06 KM
Ms(CHINA) = 4.2/2, ML(CHINA) = 4.0/8
STATIONS USED = 13, STAND DEV = 2.13 SEC

KMI	1.5	240	PNC	12 16 42.0	− 1.7		
			PG	12 16 46.0	1.9		
			SG	12 17 03.5	0.3		
			LE	Ms = 4.1		5.0	4.1
GYA	2.4	74	PNC	12 16 58.0	1.5		
			SN	12 17 29.0	3.3		
			SG	12 17 39.0	7.7		
			S_mN	ML = 4.4		3.0	2.4
			S_mE			3.0	1.9
CD2	5.0	356	EPN	12 17 35.4	0.7		
			PG	12 17 53.2	3.8		
			ESG	12 19 03.6	8.1		
			S_mN	ML = 4.1		1.2	0.2
			S_mE			1.0	0.2
			LE	Ms = 4.3		6.0	2.1
QZN	8.6	141	EP	12 18 21.8	− 2.9		
GZH	8.8	106	EP	12 18 32.5	4.7		
			ES	12 19 60.0	− 8.3		
XAN	9.1	25	EP	12 18 29.0	− 3.2		
WHN	10.1	60	EP	12 18 45.5	− 0.5		

1984 2 1

O = 14 22 07.2 +/− 0.15 SEC
LAT = 34.62 N +/− 3.48 KM
LONG = 70.36 E +/− 2.01 KM
DEPTH = 33 KM +/− 0.11 KM
Ms(CHINA) = 5.9/38, Msz(NEIS) = 5.8, mb(NEIS) = 5.9
STATIONS USED = 139, STAND DEV = 2.45 SEC

KSH	6.6	41	P	14 23 48.0	4.4		
			ES	14 25 02.0	2.4		
			LE	Ms = 5.9		5.0	57.0
WMQ	16.3	50	EP	14 25 52.6	− 2.3		
			LG_1	14 30 47.0	9.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE	Ms=5.9		10.0	34.2
LSA	18.3	99	PD	14 26 18.7	− 1.8		
			LN	Ms=5.9		12.5	29.0
			LE			12.5	23.5
GTA	23.9	69	P	14 27 21.0	1.3		
			P_mN			6.0	6.8
			S	14 31 33.0	1.5		
			S_mE			10.0	10.5
			LE	Ms=5.8		12.0	20.5
LZH	27.3	77	EP	14 27 51.5	0.4		
			P_mZ			1.6	0.4
			AP	14 27 56.0	− 4.0		
			PP	14 28 35.0	− 2.9		
			S	14 32 27.0	0.0		
			LN	Ms=5.8		8.0	5.9
			LE			11.0	11.1
CD2	28.3	88	EP	14 27 59.6	− 0.3		
			PP	14 28 55.0	4.5		
			S	14 32 37.0	− 5.4		
			S_mN			6.0	2.4
			LN	Ms=6.0		13.0	24.3
KMI	29.5	99	PC	14 28 10.0	− 1.4		
			P_mZ			6.0	2.0
			LN	Ms=5.8		12.0	13.0
XAN	31.7	79	EP	14 28 30.0	− 0.7		
			PCP	14 31 19.5	− 1.8		
			S	14 33 37.0	− 0.4		
			S_mN			10.0	1.8
			S_mE			10.0	1.5
			SS	14 35 27.0	− 0.6		
			LN	Ms=6.0		10.0	10.8
			LE			10.0	10.0
BTO	31.8	67	EP	14 28 31.3	0.0		
			ES	14 33 35.0	− 3.4		
			XS	14 33 50.0	− 3.5		
			LN	Ms=5.8		12.0	7.4
			LE			12.0	10.5
GYA	32.2	94	P	14 28 33.2	− 1.5		
			S	14 33 38.0	− 6.6		
			LN	Ms=5.8		11.0	10.1
			LE			11.0	5.3
HHC	32.9	66	PD	14 28 43.8	2.4		
			PP	14 30 00.0	8.5		
			LN	Ms=5.9		10.0	12.0
TIY	33.9	72	EP	14 28 49.5	− 0.1		
			XP	14 29 03.5	0.7		
			PP	14 29 06.0	3.0		
			S	14 34 13.0	1.6		
			S_mE			9.0	3.3
			LN	Ms=5.9		11.0	11.6
BJI	36.5	67	EP	14 29 12.0	0.2		
			P_mN			6.0	0.6
			P_mE			7.0	1.5
			P_mZ			7.0	2.3
			EPP	14 30 37.0	0.9		
			EPCP	14 31 38.0	3.2		
			ESCP	14 35 21.5	3.9		
			S	14 34 50.0	− 1.6		
			S_mN			8.5	1.0
			S_mE			7.5	1.7
			ESS	14 37 20.5	2.8		
			ESCS	14 39 28.5	5.8		
			LN	Ms=5.9		11.5	10.7
			LE			11.0	3.9
WHN	37.1	83	P	14 29 16.6	0.1		
TIA	37.9	73	IPD	14 29 25.1	2.0		
			AP	14 29 36.0	3.6		
			ES	14 35 09.0	− 3.2		
			S_mN			9.0	3.9
			S_mE			9.0	6.8
			XS	14 35 26.0	− 1.6		
			LN	Ms=5.9		15.0	13.8
			LE			10.0	1.4
GZH	39.1	95	PD	14 29 34.0	0.6		
			P_mZ			7.0	2.1
			PP	14 31 10.0	2.7		
			IS	14 35 33.0	2.1		
			LN	Ms=5.9		12.0	7.3
			LE			11.0	7.4
NJ2	40.3	79	PC	14 29 44.0	0.7		
			PP	14 31 19.0	− 1.1		
			SCP	14 35 36.5	4.6		
			LN	Ms=5.9		13.0	11.3
DL2	40.9	68	PR	14 29 49.5	1.5		
			P_mE			7.0	2.4
			P_mZ			7.0	3.0
			SCP	14 35 35.3	1.2		
			ES	14 35 57.5	0.2		
			LN	Ms=5.9		14.0	11.3
			LE			10.0	2.0
SNY	41.9	63	IPU	14 29 56.0	− 0.2		
			P_mZ			10.0	2.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			PCP	14 31 51.0	− 0.7		
			PCS	14 35 44.6	2.6		
			S	14 36 10.0	− 2.1		
			ESCS	14 40 00.0	6.4		
			LN	Ms=6.1		14.3	16.9
			LE			11.0	3.3
SSE	42.5	79	PU	14 30 02.0	0.7		
			P_mZ			1.2	0.08
			EPP	14 31 48.0	5.1		
			IS	14 36 24.0	2.8		
			SCS	14 39 52.0	− 5.4		
			LN	Ms=6.1		14.0	15.6
QZH	42.6	89	IPU	14 30 07.0	4.5		
			P_mZ			7.0	1.9
			EPP	14 31 49.0	4.8		
			S	14 36 31.0	7.8		
			LN	Ms=6.0		15.0	11.7
			LE			15.0	7.0
CN2	43.0	60	EP	14 30 06.3	1.0		
			P_mZ			6.0	3.1
			AP	14 30 17.3	2.6		
			PCP	14 31 56.0	0.6		
			ES	14 36 27.0	− 1.3		
			ESS	14 39 36.0	2.0		
			LE	Ms=6.0		12.0	11.3
MDJ	45.8	58	EP	14 30 28.5	0.3		
			PP	14 32 18.0	2.6		
			S	14 37 13.0	3.7		
			PCS	14 36 00.0	2.0		
			LE	Ms=6.1		12.0	13.6

1984 2 1
O=14 59 02.9 +/− 0.10 SEC
LAT=6.26 S +/− 0.94 KM
LONG=147.02 E +/− 0.80 KM
DEPTH=38 KM +/− 0.83 KM
mb(NEIS)=4.7
STATIONS USED=28, STAND DEV=1.27 SEC

SSE	44.6	327	PD	15 07 08.7	0.2		
			P_mZ			0.5	0.02
NJ2	46.6	326	PC	15 07 24.3	0.0		
XAN	53.9	329	EP	15 08 18.4	− 1.5		
BJI	54.1	330	E(P)	15 08 20.5	− 1.1		
CD2	55.5	314	EP	15 08 31.2	− 0.2		
GTA	63.0	320	P	15 09 23.0	− 0.1		
WMQ	73.0	319	EP	15 10 25.5	− 0.1		

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

1984 2 1
O=17 20 16.3 +/− 0.10 SEC
LAT=25.82 N +/− 1.13 KM
LONG=104.13 E +/− 0.90 KM
DEPTH=10 KM +/− 0.05 KM
ML(CHINA)=3.6/9
STATIONS USED=10, STAND DEV=1.75 SEC

KMI	1.4	241	PNC	17 20 40.5	− 2.4		
			PG	17 20 45.5	3.0		
			SG	17 21 03.5	2.2		
			S_mN	ML=3.5		1.0	0.7
			S_mE			1.0	0.5
GYA	2.4	73	PN	17 20 57.0	0.8		
			PG	17 21 07.0	7.5		
			SN	17 21 29.0	3.1		
			SG	17 21 39.0	8.4		
			S_mN	ML=4.2		3.0	1.6
			S_mE			3.0	1.2
CD2	5.1	356	EPN	17 21 36.0	1.3		
			PG	17 21 58.2	9.2		
			ESG	17 23 03.5	8.0		
			S_mN	ML=3.6		1.0	0.07
			S_mE			1.0	0.07
			LE			6.5	1.0
XAN	9.2	25	EP	17 22 29.0	− 3.2		

1984 2 2
O=03 21 09.6 +/− 0.06 SEC
LAT=44.31 N +/− 1.58 KM
LONG=147.47 E +/− 0.88 KM
DEPTH=185 KM +/− 1.04 KM
mb(NEIS)=4.4
STATIONS USED=13, STAND DEV=0.91 SEC

BJI	23.5	270	EP	03 26 02.5	− 1.4
TIY	27.1	268	EP	03 26 37.2	− 0.2
CD2	36.7	263	EP	03 28 01.0	0.3
GYA	37.3	255	P	03 28 05.0	− 0.7

1984 2 2
O=11 30 32.6 +/− 0.16 SEC
LAT=10.05 S +/− 2.87 KM
LONG=115.08 E +/− 3.93 KM
DEPTH=32 KM +/− 0.31 KM
Msz(NEIS)=4.8, mb(NEIS)=5.4
STATIONS USED=68, STAND DEV=2.78 SEC

QZN	29.3	349	P	11 36 35.4	0.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
KMI	37.0	341	EP	11 37 42.0	0.7		
			ES	11 43 25.5	1.0		
GYA	37.2	347	P	11 37 43.2	0.0		
WHN	40.4	359	PD	11 38 09.5	0.1		
SSE	41.3	7	EP	11 38 17.0	− 0.3		
NJ2	42.0	4	PD	11 38 22.6	− 0.4		
CD2	42.1	345	EP	11 38 27.3	3.1		
			P_mZ			1.0	0.4
			S	11 44 38.0	− 4.0		
XAN	44.2	352	EP	11 38 39.2	− 1.9		
LSA	45.7	330	PD	11 38 53.3	− 0.4		
TIA	46.0	2	EP	11 38 54.0	− 1.6		
			PCP	11 40 32.7	1.2		
LZH	47.1	347	IPC	11 39 03.5	− 0.5		
			P_mZ			2.0	0.4
TIY	47.6	357	EP	11 39 06.0	− 1.7		
BJI	49.8	1	EP	11 39 22.0	− 3.1		
BTO	50.6	355	EP	11 39 29.5	− 1.6		
HRC	50.7	356	EP	11 39 32.0	− 0.2		
GTA	51.2	344	IPC	11 39 35.3	− 0.4		
			PCP	11 40 52.0	1.9		
SNY	52.2	8	EP	11 39 40.0	− 3.0		
CN2	54.4	9	PD	11 39 56.0	− 3.4		
			PCP	11 41 02.3	0.2		
MDJ	56.0	12	EP	11 40 08.3	− 2.4		
WMQ	59.1	337	PC	11 40 31.0	− 2.0		
KSH	61.2	326	EP	11 40 46.0	− 1.2		
			ES	11 48 51.0	−12.4		

1984 2 2

O= 14 40 53.6 +/− 0.05 SEC
LAT=40.84 N +/− 1.04 KM
LONG=71.12 E +/− 0.55 KM
DEPTH=35 KM +/− 0.09 KM
Ms(CHINA)=4.1/1,mb(NEIS)=4.5,ML(CHINA)=4.6/2
STATIONS USED=14, STAND DEV=0.98 SEC

KSH	4.0	108	EP	14 41 55.5	1.6		
			S	14 42 34.5	− 5.6		
			S_mN	ML=4.4		0.7	0.9
			S_mE			0.6	0.6
WMQ	12.6	70	E(P)	14 43 55.0	1.1		

1984 2 2

O=15 00 21.9 +/− 0.07 SEC
LAT=40.93 N +/− 1.32 KM
LONG=73.13 E +/− 1.23 KM
DEPTH=31 KM +/− 0.27 KM
Ms(CHINA)=4.2/2,mb(NEIS)=4.7,ML(CHINA)=5.2/4
STATIONS USED=27, STAND DEV=1.37 SEC

KSH	2.6	123	EPN	15 01 05.0	1.8		
			I	15 01 44.0			
			S_mE	ML=5.5		2.0	21.6
WMQ	11.2	70	EP	15 03 00.0	− 2.6		
			LE	Ms=4.3		6.0	0.9
LSA	18.5	121	EP	15 04 38.5	0.9		
GTA	20.4	85	P	15 04 59.8	0.3		
			LG_2	15 11 20.5	−15.4		
			LE	Ms=4.1		10.5	0.4
LZH	24.4	91	EP	15 05 40.3	0.8		
CD2	26.6	102	EP	15 06 01.1	1.2		
XAN	29.1	92	P	15 06 21.0	− 1.1		
TIY	30.4	83	EP	15 06 33.5	− 0.3		
GYA	31.2	107	P	15 06 45.6	4.6		
TIA	34.4	83	EP	15 07 09.2	0.1		

1984 2 2

O= 15 15 29.6 +/− 0.18 SEC
LAT=42.98 N +/− 4.29 KM
LONG=71.47 E +/− 2.41 KM
DEPTH=33 KM +/− 0.29 KM
Ms(CHINA)=4.2/3, mb(NEIS)=5.1
STATIONS USED=54, STAND DEV=3.37 SEC

KSH	4.9	134	EP	15 16 46.0	2.9		
			ES	15 17 41.0	1.5		
			S_mN			2.0	24.0
WMQ	11.8	80	PD	15 18 20.0	0.6		
			LG_1	15 21 41.5	0.0		
			LG_2	15 21 54.0	− 6.3		
			LN			4.0	1.4
LSA	20.6	123	EP	15 20 09.6	0.4		
			ES	15 23 58.5	5.2		
GTA	21.6	89	IPC	15 20 19.3	0.4		
			LG_2	15 27 03.5	−18.3		
			LE	Ms=4.1		10.0	0.4
LZH	25.8	94	EP	15 21 00.5	0.7		
			LE	Ms=4.2		15.0	0.5
CD2	28.3	104	EP	15 21 23.4	0.7		
XAN	30.4	94	PC	15 21 40.7	− 0.9		
KMI	31.2	114	PC	15 21 48.0	− 0.6		
			ES	15 26 48.0	− 3.8		
TIY	31.4	85	EP	15 21 50.4	− 0.2		
			LE	Ms=4.4		10.0	0.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GYA	33.0	108	P	15 22 04.0	− 0.3		
BJI	33.3	79	EP	15 22 06.5	− 0.3		
CN2	38.6	69	EP	15 22 52.0	− 0.1		
NJ2	38.7	90	EP	15 22 52.0	− 0.3		
QZN	40.1	114	EP	15 23 04.4	− 0.1		
MDJ	41.2	66	EP	15 23 14.0	0.6		
1984 2 2							
O=17 36 29.4			+/−	0.17 SEC			
LAT=34.75 N			+/−	4.05 KM			
LONG=70.37 E			+/−	2.73 KM			
DEPTH=33 KM			+/−	1.02 KM			
mb(NEIS)=5.0							
STATIONS USED=38, STAND DEV=3.46 SEC							
KSH	6.5	42	EP	17 38 10.0	4.6		
			ES	17 39 22.0	2.6		
			LG_2	17 39 60.0	− 3.8		
			LN			4.0	9.0
WMQ	16.2	50	P	17 40 14.5	− 1.6		
LSA	18.3	100	EP	17 40 38.9	− 4.1		
GTA	23.9	70	P	17 41 42.8	1.3		
LZH	27.2	77	EP	17 42 12.5	− 0.6		
CD2	28.2	88	EP	17 42 21.0	− 1.0		
XAN	31.7	80	EP	17 42 50.2	− 2.5		
GYA	32.2	94	P	17 42 54.6	− 2.4		
TIY	33.9	72	EP	17 43 10.6	− 0.9		
BJI	36.5	67	EP	17 43 33.5	− 0.2		
WHN	37.1	83	EP	17 43 38.0	− 0.6		
TIA	37.8	73	EP	17 43 44.9	− 0.2		
1985 2 2							
O=21 13 01.2			+/−	0.22 SEC			
LAT=3.66 N			+/−	3.22 KM			
LONG=98.45 E			+/−	1.93 KM			
DEPTH=53 KM			+/−	1.63 KM			
mb(NEIS)=4.4							
STATIONS USED=14, STAND DEV=2.41 SEC							
KMI	21.7	10	EP	21 17 54.0	3.7		
GYA	24.0	18	P	21 18 15.4	3.0		
LSA	26.8	345	EP	21 18 37.4	− 1.8		
CD2	27.6	9	EP	21 18 44.6	− 1.1		
XAN	31.8	16	(P)	21 19 21.2	− 1.9		
GTA	35.6	1	P	21 19 54.8	− 1.5		
BJI	39.6	21	EP	21 20 29.5	− 0.1		
CN2	46.6	26	EP	21 21 24.0	− 2.1		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 3							
O=02 26 01.0			+/−	0.11 SEC			
LAT=29.85 N			+/−	1.92 KM			
LONG=100.01 E			+/−	1.09 KM			
DEPTH=24 KM			+/−	0.12 KM			
Ms(CHINA)=4.0/5, mb(NEIS)=4.9, ML(CHINA)=3.9/6							
STATIONS USED=14, STAND DEV=2.21 SEC							
CD2	3.4	70	EPN	02 26 56.8	2.7		
			PG	02 27 03.8	0.6		
			ESG	02 27 50.7	2.9		
			S_mN	ML=3.8		0.9	0.3
			S_mE			0.9	0.3
			LN	Ms=4.3		6.5	4.1
KMI	5.3	152	EPN	02 27 21.0	0.0		
			ESG	02 28 39.0	− 7.8		
			LN	Ms=3.8		8.0	0.9
GYA	6.8	118	PN	02 27 42.0	0.2		
			LN	Ms=4.0		9.0	1.2
LZH	7.0	26	EPG	02 28 11.0	2.3		
			LN	Ms=4.0		6.0	0.8
LSA	7.7	271	EPN	02 27 53.9	− 1.3		
XAN	8.6	58	PC	02 28 05.1	− 2.8		
			LG	02 30 31.0			
			LN	Ms=4.0		8.0	0.7
			LE			8.0	0.4
CN2	24.5	48	EP	02 31 19.4	− 1.1		
1984 2 3							
O=04 50 26.4			+/−	0.26 SEC			
LAT=17.64 N			+/−	4.36 KM			
LONG=147.31 E			+/−	5.65 KM			
DEPTH=51 KM			+/−	1.42 KM			
Ms(CHINA)=5.0/23, Msz(NEIS)=5.2, mb(NEIS)=5.2							
STATIONS USED=71, STAND DEV=4.29 SEC							
SSE	27.2	304	EP	04 56 10.0	2.1		
			ES	05 00 47.0	5.3		
			LE	Ms=4.7		11.0	1.3
NJ2	29.4	304	EP	04 56 29.5	1.8		
			LN	Ms=5.1		10.0	1.5
			LE			11.5	1.9
MDJ	30.7	334	EP	04 56 41.0	1.7		
			S	05 01 46.0	8.3		
			LN	Ms=5.0		12.0	2.2
DL2	30.8	318	EP	04 56 43.0	3.1		
			ES	05 01 45.5	6.7		
			LN	Ms=5.0		13.0	2.1

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A ° μ
SNY	31.5	324	PD	04 56 46.4	0.2		
			S	05 01 47.0	− 2.9		
			LN	Ms=5.2		15.0	2.9
			LE			15.0	2.6
CN2	31.9	329	PU	04 56 49.5	− 0.5		
			P_mZ			3.0	0.5
			ES	05 01 57.0	0.2		
			LN	Ms=5.2		13.0	3.2
TIA	32.5	310	EP	04 56 54.8	0.3		
			S	05 02 05.0	0.2		
			LN	Ms=5.0		15.0	1.6
			LE			15.0	1.7
BJI	34.9	316	EP	04 57 16.0	0.1		
			LN	Ms=4.8		13.0	1.2
TIY	36.5	310	EP	04 57 30.5	1.4		
			S	05 03 12.0	4.6		
			XS	05 03 32.0	3.1		
			LN	Ms=4.8		13.0	1.1
XAN	38.0	303	EP	04 57 41.6	0.3		
			ES	05 03 35.0	5.4		
			SCS	05 07 54.0	8.4		
			LN	Ms=5.0		11.0	1.2
			LE			14.0	1.0
GYA	38.5	290	P	04 57 50.0	3.7		
			S	05 03 49.0	10.2		
			LN	Ms=4.8		12.0	0.9
BTO	39.4	313	EP	04 57 54.4	1.1		
CD2	41.6	296	EP	04 58 14.0	2.6		
			ES	05 04 31.5	7.4		
			LN	Ms=5.2		10.0	1.5
KMI	42.0	288	EP	04 58 17.0	1.9		
			PPP	05 00 29.0			
			S	05 04 37.0	6.3		
			LN	Ms=5.1		18.0	2.4
LZH	42.5	304	EP	04 58 20.0	0.9		
			ES	05 04 44.0	6.2		
			LE	Ms=5.5		16.0	5.0
GTA	46.4	307	P	04 58 51.6	1.2		
			ES	05 05 37.0	3.0		
			SCS	05 08 45.5	8.6		
			LN	Ms=4.8		13.0	0.7
LSA	52.4	294	P	04 59 38.0	1.4		
			ES	05 07 01.6	3.7		
WMQ	56.2	311	PC	05 00 04.5	0.6		
			P_mZ			1.5	0.1
			S	05 07 55.0	6.9		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LN	Ms=5.3		15.0	2.0
KSH	64.7	305	EP	05 01 04.0	1.6		
			ES	05 09 35.0	− 2.9		
1984 2 3							
O=07 20 30.6			+/− 0.19 SEC				
LAT=18.02 N			+/− 3.36 KM				
LONG=120.76 E			+/− 3.66 KM				
DEPTH=86 KM			+/− 2.85 KM				
mb(NEIS)=4.2, ML(CHINA)=3.9/5							
STATIONS USED=16, STAND DEV=3.99 SEC							
QZH	7.2	344	EP	07 22 14.2	− 0.7		
			ES	07 23 27.2	− 8.4		
			S_mN	ML=3.6		0.4	0.02
			S_mE			0.5	0.03
GZH	8.6	307	EP	07 22 32.0	− 2.1		
			IS	07 24 12.5	2.5		
QZN	10.4	277	EP	07 22 58.6	− 0.2		
			ES	07 24 53.2	− 1.2		
XAN	19.1	328	EP	07 24 49.8	− 0.1		
CD2	20.1	312	EP	07 25 00.9	1.2		
BJI	22.3	350	EP	07 25 21.5	− 0.5		
1984 2 3							
O=08 29 47.3			+/− 0.32 SEC				
LAT=29.37 S			+/− 1.96 KM				
LONG=71.26 W			+/− 0.33 KM				
DEPTH=26 KM			+/− 2.76 KM				
Msz(NEIS)=5.2, mb(NEIS)=5.6							
STATIONS USED=48, STAND DEV=1.83 SEC							
KSH	151.3	60	PKPC	08 49 40.0	6.2		
MDJ	157.5	318	EPKP	08 49 41.3	− 0.9		
WMQ	157.9	43	PKP_1	08 49 42.5	− 0.2		
			PKP_2	08 50 16.4			
CN2	160.4	321	EPKP	08 49 43.3	− 2.2		
LSA	164.7	84	PKP	08 49 50.6	0.3		
GTA	167.6	33	PKP_1	08 49 52.5	0.3		
			PKP_2	08 50 58.8			
BJI	167.7	332	PKP	08 49 51.0	− 1.1		
TIA	170.2	316	EPKP	08 49 53.0	− 0.6		
XAN	175.3	358	EPKP	08 49 55.0	− 1.0		
CD2	175.4	69	EPKP	08 49 56.2	0.2		
GYA	176.6	147	EPKP	08 49 56.6	0.2		
1984 2 3							
O=08 33 18.4			+/− 0.31 SEC				

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT=11.75 S			**+/-**	**9.80 KM**			
LONG=116.10 E			**+/-**	**5.99 KM**			
DEPTH=39 KM			**+/-**	**4.04 KM**			
mb(NEIS)=4.9							
STATIONS USED=9. STAND DEV=0.73 SEC							
GYA	39.1	346	P	08 40 41.0	0.1		
CD2	41.0	344	EP	08 41 24.4	- 0.3		
XAN	46.0	351	EP	08 41 40.0	- 0.7		
LSA	47.7	330	EP	08 41 53.6	- 0.7		
GTA	58.1	344	EP	08 42 35.6	0.6		
1984 2 3							
O=15 30 22.1			**+/-**	**0.14 SEC**			
LAT=31.45 N			**+/-**	**2.98 KM**			
LONG=142.04 E			**+/-**	**3.32 KM**			
DEPTH=31 KM			**+/-**	**1.37 KM**			
Ms(CHINA)=4.2/2, mb(NEIS)=4.4							
STATIONS USED=21, STAND DEV=1.91 SEC							
MDJ	16.4	326	EP	15 34 13.5	2.0		
CN2	18.4	317	EP	15 34 31.6	- 0.1		
			LN	Ms=4.3		12.0	0.6
SNY	18.0	310	EP	15 34 32.8	0.4		
BJI	22.6	299	EP	15 35 20.5	- 1.3		
TIY	25.1	292	EP	15 35 45.2	- 0.9		
			LE			13.0	0.7
BTO	27.3	298	EP	15 36 05.8	- 1.1		
XAN	27.9	284	PC	16 36 10.0	- 2.0		
CD2	32.6	279	EP	15 36 52.5	- 1.5		
GTA	35.1	294	EP	15 37 13.6	- 1.3		
1984 2 3							
O=18 12 16.3			**+/-**	**0.08 SEC**			
LAT=34.68 N			**+/-**	**1.61 KM**			
LONG=70.40 E			**+/-**	**1.31 KM**			
DEPTH=30 KM			**+/-**	**0.21 KM**			
mb(NEIS)=4.9							
STATIONS USED=32, STAND DEV=1.62 SEC							
KSH	6.5	41	EPN	18 13 58.0	4.9		
			ESN	18 15 14.0	6.5		
			LG1	18 15 37.0	- 4.4		
			LN			7.0	1.4
WMQ	16.2	50	EP	18 16 02.0	- 1.5		
			S	18 18 55.5	- 6.6		
			LN			2.0	0.1
			LE			2.5	0.1
LSA	18.2	100	EP	18 16 29.4	- 0.2		
GTA	23.9	69	P	18 17 30.6	1.9		
LZH	27.2	77	EP	18 18 00.5	0.3		
CD2	28.2	88	EP	18 18 09.6	0.6		
XAN	31.7	79	EP	18 18 39.3	- 0.5		
GYA	32.1	94	P	18 18 43.2	- 0.8		
BJI	36.5	67	EP	18 19 21.0	0.1		
WHN	37.0	83	EP	18 19 26.0	0.3		
TIA	37.8	73	EP	18 19 33.2	1.0		
1984 2 3							
O=19 05 36.5			**+/-**	**0.19 SEC**			
LAT=11.37 S			**+/-**	**2.61 KM**			
LONG=166.15 E			**+/-**	**3.02 KM**			
DEPTH=65 KM			**+/-**	**1.16 KM**			
Ms(CHINA)=5.3/12, mb(NEIS)=5.4							
STATIONS USED=102, STAND DEV=2.59 SEC							
SSE	60.4	315	PC	19 15 41.5	- 0.2		
			P_mZ			1.2	0.05
			ES	19 23 53.0	2.9		
GZH	62.0	303	EP	19 15 54.0	1.2		
			AP	19 16 05.0	- 4.6		
			S	19 24 19.0	6.1		
			LE	Ms=5.5		25.0	4.4
NJ2	62.5	315	PC	19 15 56.6	0.3		
			P_mZ			5.0	1.2
			AP	19 16 08.0	- 5.2		
			S	19 24 23.5	5.9		
			S_mN			9.0	0.5
			LE	Ms=5.3		20.0	2.2
QZN	63.2	298	IPU	19 16 01.0	0.3		
			S	19 24 28.5	2.7		
MDJ	64.8	331	EP	19 16 11.0	- 0.4		
			S	19 24 55.0	8.9		
			LN	Ms=4.9		32.0	1.4
WHN	64.9	311	E(P)	19 16 10.0	- 1.9		
DL2	65.0	322	EP	19 16 12.0	- 0.4		
			ES	19 24 55.0	7.0		
			LN	Ms=5.3		19.0	1.9
SNY	65.8	326	EP	19 16 17.6	- 0.2		
			S	19 25 04.0	5.7		
			LN	Ms=5.2		23.0	1.3
			LE			24.0	1.3
TIA	66.1	318	PC	19 16 18.9	- 0.8		
			S	19 25 06.0	4.0		
			LN	Ms=5.5		20.0	1.8

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE			20.0	2.1
CN2	66.2	328	PR	19 16 19.0	- 1.4		
			P_mZ			5.0	0.7
			ES	19 25 05.0	1.8		
			SS	19 29 16.5	- 3.9		
			LN	Ms=5.3		17.0	1.5
GYA	68.9	304	PU	19 16 38.0	0.6		
			S	19 25 41.0	5.0		
BJI	69.0	320	PC	19 16 37.5	- 0.1		
			P_mN			5.0	0.3
			P_mE			5.0	0.3
			P_mZ			5.0	1.1
			ES	19 25 40.0	3.6		
			LN	Ms=5.1		20.0	1.2
TIY	70.1	317	IPU	19 16 45.0	0.6		
			P_mZ			5.5	1.0
			AP	19 16 57.5	- 3.8		
			S	19 25 55.0	5.7		
			XS	19 26 19.0	0.8		
			PS	19 26 32.0			
			LN	Ms=5.4		20.0	2.2
XAN	70.6	312	IPC	19 16 47.8	0.0		
			P_mZ			5.0	1.0
			PP	19 19 19.5	- 6.7		
			S	19 25 58.0	2.2		
KMI	71.6	301	IPC	19 16 55.0	1.1		
			P_mZ			4.0	1.1
			S	19 26 14.0	6.3		
			S_mN			7.0	0.8
			S_mE			7.0	0.7
HHC	72.3	319	PC	19 16 59.0	1.0		
CD2	73.1	307	EP	19 17 03.2	0.7		
			ES	19 26 30.0	5.7		
BTO	73.2	318	PU	19 17 03.5	0.4		
LZH	75.3	312	IPU	19 17 17.0	1.8		
			P_mZ			4.5	1.4
			S	19 26 50.0	1.4		
			LE	Ms=5.6		24.0	3.7
GTA	79.6	313	IPC	19 17 40.6	1.5		
			S	19 27 42.0	7.1		
			S_mN			6.0	0.3
			LE	Ms=5.3		17.0	1.1
LSA	82.9	302	PC	19 17 58.2	1.5		
			P_mZ			6.0	1.2
			S	19 28 15.6	6.1		
WMQ	89.6	314	IPC	19 18 29.4	0.1		

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mZ			2.0	0.2
			AP	19 18 42.5	- 4.2		
			SKS	19 28 55.5	4.9		
			S	19 29 24.5	11.0		

1984 2 3

O=19 18 20.1 +/- 0.17 SEC
LAT=9.25 S +/- 2.35 KM
LONG=117.63 E +/- 4.70 KM
DEPTH=38 KM +/- 0.50 KM
mb(NEIS)=4.4
STATIONS USED=20, STAND DEV=3.01 SEC

GYA	37.1	343	P	19 25 24.0	0.2
WIN	39.7	355	EP	19 25 47.0	1.5
NJ2	41.1	1	PD	19 25 58.6	1.6
CD2	42.1	342	IPD	19 26 05.1	- 0.2
XAN	43.8	349	PD	19 26 18.4	- 1.1
WMQ	59.4	335	IPC	19 28 14.6	- 1.6

1984 2 3

O=23 34 09.1 +/- 0.35 SEC
LAT=19.69 S +/- 8.95 KM
LONG=174.52 W +/- 7.80 KM
DEPTH=29 KM +/- 0.69 KM
mb(NEIS)=4.9
STATIONS USED=23, STAND DEV=3.76 SEC

MDJ	81.8	323	EP	23 46 28.5	0.9
CN2	83.7	320	EP	23 46 38.0	0.6
TIA	85.2	311	EP	23 46 45.2	0.4
BJI	87.6	314	EP	23 46 58.0	1.2
XAN	90.3	306	EP	23 47 10.6	1.2

1984 2 4

O=06 40 33.3 +/- 0.08 SEC
LAT=5.73 S +/- 1.03 KM
LONG=147.59 E +/- 0.94 KM
DEPTH=114 KM +/- 0.34 KM
mb(NEIS)=5.2
STATIONS USED=25, STAND DEV=1.29 SEC

XAN	53.9	320	EP	06 49 46.5	- 0.8
CD2	55.5	313	(P)	06 50 00.4	1.0
GTA	62.9	319	P	06 50 51.3	0.8
WMQ	73.0	319	EP	06 51 53.2	0.2

1984 2 4

O=07 21 28.9 +/- 1.41 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT=37.68 N			+/- 3.59 KM				
LONG=139.01 E			+/- 11.49 KM				
DEPTH=20 KM			+/- 1.54 KM				
mb(NEIS)=4.2							
STATIONS USED=6, STAND DEV=1.81 SEC							
MDJ	9.9	317	PC	07 23 55.5	1.7		
CN2	12.0	304	EP	07 24 23.2	1.5		
SSE	16.1	251	EP	07 25 17.3	1.2		
BJI	17.9	284	EP	07 25 36.0	- 3.2		
1984 2 4							
O=08 37 39.4			+/- 0.14 SEC				
LAT=7.57 S			+/- 2.51 KM				
LONG=127.65 E			+/- 3.18 KM				
DEPTH=174 KM			+/- 1.13 KM				
mb(NEIS)=5.4							
STATIONS USED=77, STAND DEV=1.99 SEC							
QZN	31.7	326	P	08 43 49.0	- 0.3		
QZH	33.5	344	EP	08 44 03.9	- 0.6		
GZH	33.5	335	IPC	08 44 04.8	0.0		
SSE	38.9	351	EP	08 44 50.0	- 0.3		
GYA	39.5	329	P	08 44 55.6	0.7		
			PCP	08 47 06.0	7.0		
WHN	40.0	342	P	08 45 00.0	1.1		
NJ2	40.3	348	PC	08 45 01.8	0.5		
KMI	40.5	324	EP	08 45 00.0	- 3.8		
CD2	44.6	330	EP	08 45 36.1	- 0.2		
TIA	44.7	347	P	08 45 35.7	- 1.1		
XAN	45.0	337	EP	08 45 39.0	- 0.8		
DL2	46.6	353	EP	08 45 51.0	- 0.8		
TIY	47.2	343	EP	08 45 56.4	- 0.7		
BJI	48.5	348	PC	08 46 06.0	- 1.1		
			PCP	08 47 29.5	- 0.5		
LZH	48.9	334	IPC	08 46 10.0	0.3		
			PmZ			0.5	0.1
SNY	49.3	355	EP	08 46 11.9	- 1.0		
HHC	50.4	344	EP	08 46 21.4	- 0.1		
LSA	51.0	318	(P)	08 46 27.1	0.5		
CN2	51.2	357	EP	08 46 24.8	- 2.3		
MDJ	52.0	1	EP	08 46 32.0	- 1.1		
GTA	53.4	333	P	08 46 44.0	0.3		
			IPCP	08 47 49.5	1.6		
WMQ	62.6	328	IPC	08 47 47.1	- 1.0		
1984 2 4							
O=22 02 00.7			+/- 0.37 SEC				

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT=24.63 N			+/- 2.26 KM				
LONG=121.78 E			+/- 2.92 KM				
DEPTH=33 KM			+/- 0.20 KM				
ML(CHINA)=3.6/10							
STATIONS USED=15, STAND DEV=1.21 SEC							
QZH	2.9	276	P	22 02 46.1	0.4		
			S	22 03 17.2	- 2.7		
			SmN	ML=3.3		0.3	0.2
			SmE			0.3	0.1
SSE	6.5	355	EP	22 03 35.8	- 0.2		
			ES	22 04 46.4	- 3.0		
			LG2	22 05 32.8	- 1.0		
			LN			1.0	0.02
			LE			1.0	0.05
NJ2	7.8	341	EP	22 03 54.6	- 0.4		
			ES	22 05 18.6	- 4.8		
			LN			1.2	0.03
GZH	7.9	260	EP	22 03 57.5	1.8		
			ES	22 05 15.0	- 9.5		
			LN			1.0	0.05
1984 2 5							
O=00 20 16.0			+/- 0.16 SEC				
LAT=37.17 N			+/- 4.22 KM				
LONG=28.88 E			+/- 2.57 KM				
DEPTH=10 KM			+/- 0.45 KM				
mb(NEIS)=5.1							
STATIONS USED=45, STAND DEV=2.58 SEC							
LSA	51.8	78	P	00 29 34.6	7.1		
GTA	54.5	64	P	00 29 46.4	- 0.6		
CD2	61.0	71	EP	00 30 32.2	- 0.6		
HHC	62.2	58	EP	00 30 40.0	- 0.5		
XAN	63.4	66	EP	00 30 51.2	2.5		
GYA	65.4	74	P	00 31 02.0	0.0		
BJI	65.7	57	EP	00 31 02.0	- 1.2		
CN2	69.7	50	EP	00 31 27.0	- 1.7		
1984 2 5							
O=02 33 53.3			+/- 0.13 SEC				
LAT=39.10 N			+/- 2.11 KM				
LONG=71.41 E			+/- 1.68 KM				
DEPTH=33 KM			+/- 0.30 KM				
Ms(CHINA)=4.8/1, mb(NEIS)=4.7, ML(CHINA)=4.6/1							
STATIONS UEED=27, STAND DEV=2.91 SEC							
KSH	3.6	82	EP	02 34 52.0	4.1		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S mN	ML = 4.6		1.0	1.6
WMQ	13.1	63	EP	02 36 54.5	− 5.4		
LSA	18.8	113	P	02 38 13.1	0.3		
GTA	22.0	80	P	02 38 47.9	1.4		
LZH	25.8	86	EP	02 39 24.5	0.8		
CD2	27.6	97	EP	02 39 42.2	1.9		
XAN	30.4	87	EP	02 40 05.0	− 0.1		
GYA	32.0	102	EP	02 40 19.6	0.2		
NJ2	38.9	85	EP	02 41 18.7	1.0		
			LE	Ms = 4.8		19.0	1.4
CN2	40.2	65	EP	02 41 28.3	− 0.2		

1984 2 5
O = 18 41 07.8 +/− 0.25 SEC
LAT = 56.17 N +/− 5.81 KM
LONG = 161.58 E +/− 3.71 KM
DEPTH = 35 KM +/− 0.27 KM
mb(NEIS) = 5.4
STATIONS USED = 63, STAND DEV = 3.74 SEC

CN2	26.0	256	EP	18 46 35.2	− 4.4		
GTA	43.2	274	P	18 49 07.4	− 0.3		
WMQ	46.8	287	P	18 49 36.8	0.1		
LSA	55.1	272	P	18 50 38.4	− 1.7		

1984 2 5
O = 18 42 56.5 +/− 0.18 SEC
LAT = 27.63 N +/− 2.23 KM
LONG = 101.18 E +/− 1.15 KM
DEPTH = 33 KM +/− 0.04 KM
ML (CHINA) = 3.6/7
STATIONS USED = 9, STAND DEV = 1.92 SEC

CD2	4.0	33	EP	18 44 00.0	3.2		
			I	18 44 11.6			
			I	18 45 02.6			
			S mN	ML = 4.1		1.2	0.3
			S mE			1.4	0.5
			LN			6.5	1.4
GYA	5.0	102	P	18 44 13.2	1.3		
			I	18 44 22.0			
			S mN	ML = 3.4		1.0	0.04
			S mE			1.0	0.06
XAN	9.2	44	EP	18 45 08.4	− 2.1		
			ES	18 46 51.5	− 2.8		

1984 2 6
O = 00 34 17.2 +/− 0.09 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT = 36.77 N			+/− 1.56 KM				
LONG = 70.67 E			+/− 1.50 KM				
DEPTH = 37 KM			+/− 0.39 KM				
mb(NEIS) = 4.7, ML (CHINA) = 4.4/1							
STATIONS USED = 16, STAND DEV = 1.81 SEC							
KSH	5.0	55	P	00 35 36.8	5.2		
			S	00 36 32.6	3.8		
			S mN	ML = 4.4		0.3	0.6
			S mE			0.2	0.4
WMQ	14.8	56	P	00 37 43.5	− 1.9		
LSA	18.5	106	EP	00 38 31.9	− 1.2		
GTA	23.0	74	P	00 39 20.5	0.0		

1984 2 6
O = 05 09 01.6 +/− 0.11 SEC
LAT = 29.86 N +/− 1.29 KM
LONG = 100.01 E +/− 1.30 KM
DEPTH = 32 KM +/− 0.16 KM
mb(NEIS) = 5.2, ML (CHINA) = 3.7/4
STATIONS USED = 13, STAND DEV = 2.07 SEC

CD2	3.4	71	EPN	05 09 56.8	2.9		
			ESN	05 10 49.2	15.5		
			S mN	ML = 3.6		1.0	0.2
			S mE			1.2	0.2
			LN			6.0	2.8
KMI	5.3	152	EPN	05 10 22.0	1.0		
GYA	6.8	118	PN	05 10 42.2	0.5		
XAN	8.6	58	PC	05 11 05.1	− 2.5		
CN2	24.5	48	EP	05 14 20.6	0.6		

1984 2 6
O = 08 12 04.3 +/− 0.26 SEC
LAT = 39.95 N +/− 2.75 KM
LONG = 77.94 E +/− 2.04 KM
DEPTH = 33 KM +/− 1.02 KM
Msz (NEIS) = 3.9, ML (CHINA) = 4.5/4
STATIONS USED = 12, STAND DEV = 4.73 SEC

KSH	1.6	252	EP	08 12 33.0	2.4		
			S	08 12 57.0	6.5		
			S mE	ML = 4.9		2.0	15.2
WMQ	8.2	58	P	08 14 08.6	4.0		
			LN			0.8	0.06
			LE			1.0	0.09
GTA	16.8	84	EP	08 16 02.0	2.4		
			LN			1.4	0.03

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE			1.1	0.02
XAN	25.4	93	EP	08 17 35.0	4.6		
KMI	25.5	117	EP	08 17 37.5	5.7		

1984 2 6
O=14 40 11.2 +/- 0.10 SEC
LAT=45.60 N +/- 3.08 KM
LONG=150.26 E +/- 1.79 KM
DEPTH=97 KM +/- 0.50 KM
mb(NEIS)=5.6
STATIONS USED=91, STAND DEV=1.71 SEC

MDJ	14.6	273	EP	14 43 35.0	0.4		
CN2	17.7	273	EP	14 44 10.7	- 2.5		
			ES	14 47 19.0	- 5.9		
SNY	19.6	268	PC	14 44 34.2	- 0.4		
			PmZ			0.6	0.09
			S	14 48 11.0	5.4		
BJI	25.5	269	EP	14 45 32.0	- 0.3		
TIA	26.6	261	EP	14 45 43.7	1.2		
NJ2	27.8	251	EP	14 45 53.2	0.0		
HHC	28.4	274	P	14 45 59.0	- 0.1		
TIY	29.1	267	EP	14 46 05.8	0.3		
BTO	29.8	274	EP	14 46 09.8	0.2		
WHN	31.7	254	EP	14 46 27.0	- 1.2		
XAN	33.4	264	EP	14 46 42.1	- 1.2		
LZH	35.9	271	IPC	14 47 05.0	0.3		
			PmZ			1.0	0.1
GTA	37.2	278	IPC	14 47 16.1	0.9		
			PmZ			0.8	0.1
			SCP	14 53 10.1	0.4		
			S	14 52 52.1	- 2.5		
			SmN			1.7	0.04
			SCS	14 57 18.2	1.9		
CD2	38.8	264	IPC	14 47 28.9	0.4		
			PmZ			0.8	0.07
			XP	14 48 06.2	3.7		
			ES	14 53 13.0	- 2.9		
GYA	39.5	256	P	14 47 33.8	- 0.7		
KMI	43.1	258	EP	14 48 04.0	0.2		
			ES	14 54 20.0	- 2.5		
			SmN			7.0	0.3
WMQ	43.5	291	IPC	14 48 07.7	0.6		
LSA	48.3	272	PC	14 48 47.3	1.4		
KSH	53.3	291	EP	14 49 24.0	1.1		

1984 2 6
O=22 22 07.4 +/- 0.25 SEC
LAT=5.31 S +/- 3.78 KM
LONG=125.64 E +/- 5.21 KM
DEPTH=46 KM +/- 1.01 KM
mb(NEIS)=4.8
STATIONS USED=46, STAND DEV=3.46 SEC

GYA	36.5	330	P	22 29 17.6	6.6		
WHN	37.3	343	EP	22 29 17.0	0.2		
KMI	37.6	324	EP	22 29 19.0	- 0.7		
NJ2	37.7	350	PD	22 29 19.4	- 1.3		
CD2	41.6	331	EP	22 30 03.3	9.9		
TIA	42.1	349	EP	22 30 00.0	3.2		
XAN	42.2	339	EP	22 29 55.7	- 2.3		
TIY	44.5	345	EP	22 30 17.5	0.6		
BJI	46.0	349	EP	22 30 27.5	- 0.7		
LZH	46.0	335	EP	22 30 27.0	- 1.5		
			PmZ			1.5	0.2
SNY	46.9	357	EP	22 30 35.7	- 0.2		
HHC	47.7	345	EP	22 30 41.6	- 0.5		
LSA	48.0	318	EP	22 30 43.9	- 1.0		
CN2	48.9	359	EP	22 30 57.5	6.4		
MDJ	49.8	3	EP	22 31 02.5	4.2		
GTA	50.5	334	P	22 31 02.0	- 1.5		
WMQ	59.7	328	EP	22 32 06.5	- 3.6		

1984 2 6
O=23 39 33.6 +/- 0.16 SEC
LAT=48.85 N +/- 3.99 KM
LONG=156.55 E +/- 2.45 KM
DEPTH=34 KM +/- 0.15 KM
mb(NEIS)=5.0
STATIONS USED=36, STAND DEV=1.59 SEC

MDJ	19.9	267	EP	23 43 52.5	- 1.8
CN2	22.0	268	EP	23 44 23.6	- 2.9
BJI	29.8	268	EP	23 45 38.0	- 2.2
TIY	33.5	267	EP	23 46 13.2	0.3
WHN	36.7	255	EP	23 46 40.5	0.9
LZH	40.1	271	PD	23 47 09.0	0.4
GTA	40.9	278	P	23 47 15.1	- 0.1
CD2	43.4	265	EP	23 47 35.5	0.6
GYA	44.4	258	P	23 47 44.2	0.7
KMI	47.9	260	EP	23 48 11.5	0.4

1984 2 7
O=01 15 29.1 +/- 0.04 SEC
LAT=11.09 N +/- 2.33 KM

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LONG=92.72 E			**+/− 2.14 KM**				
DEPTH=28 KM			**+/− 1.62 KM**				
mb(NEIS)=4.6							
STATIONS USED=9. STAND DEV=0.72 SEC							
LSA	18.6	355	EP	01 19 46.7	− 0.1		
GYA	20.2	38	P	01 20 05.2	0.7		
CD2	22.2	25	EP	01 20 26.0	0.7		
XAN	27.2	30	EP	01 21 11.5	− 1.7		
GTA	28.9	11	EP	01 21 29.0	0.7		
CN2	43.1	34	P	01 23 29.2	− 0.2		
1984 2 7							
O=05 13 18.5			**+/− 0.39 SEC**				
LAT=25.77 S			**+/− 3.46 KM**				
LONG=178.78 W			**+/− 4.03 KM**				
DEPTH=350 KM			**+/− 2.71 KM**				
mb(NEIS)=5.3							
STATIONS USED=106. STAND DEV=2.74 SEC							
SSE	80.6	311	EP	05 24 54.4	− 0.1		
			PmZ			1.0	0.05
GZH	81.7	300	PC	05 25 02.0	1.5		
QZN	82.4	295	P	05 25 05.8	1.7		
NJ2	82.7	310	PD	05 25 05.6	0.0		
			PmZ			5.5	0.7
MDJ	84.4	325	EP	05 25 13.7	− 0.6		
WHN	85.0	307	PD	05 25 17.0	− 0.1		
DL2	85.1	317	P	05 25 17.6	0.1		
SNY	85.8	320	EP	05 25 20.6	− 0.3		
CN2	86.0	323	IPD	05 25 21.5	− 0.6		
			PmZ			5.0	0.7
			EP	05 26 46.0			
			SKS	05 35 09.0	− 2.0		
			ES	05 35 19.0	− 6.4		
TIA	86.3	313	PC	05 25 24.3	0.9		
GYA	88.6	300	P	05 25 35.2	0.6		
BJI	89.1	315	EP	05 25 36.5	− 0.2		
TIY	90.3	312	P	05 25 42.8	0.7		
			PmZ			0.8	0.1
			XP	05 27 43.0	3.8		
			ES	05 36 10.0	5.8		
XAN	90.8	307	EP	05 25 45.0	0.7		
KMI	91.1	297	PD	05 25 47.0	0.9		
			ES	05 36 10.0	− 1.8		
HHC	92.5	314	PC	05 25 53.5	0.9		
CD2	93.0	302	EP	05 25 56.0	1.1		
LZH	95.4	307	P	05 26 06.5	0.7		
			PmZ			1.5	0.09
GTA	99.7	308	P	05 26 25.4	− 0.1		
			SKS	05 36 27.5	− 0.1		
			SKKS	05 37 02.1			
			S	05 37 29.8	4.7		
			SmE			5.5	0.4
LSA	102.4	297	EP	05 26 37.8	0.4		
1984 2 7							
O=19 51 23.7			**+/− 0.09 SEC**				
LAT=41.97 N			**+/− 1.86 KM**				
LONG=142.58 E			**+/− 1.26 KM**				
DEPTH=72 KM			**+/− 0.69 KM**				
mb(NEIS)=4.8							
STATIONS USED=21. STAND DEV=1.41 SEC							
MDJ	9.8	289	EP	19 53 46.6	1.9		
CN2	12.7	284	EP	19 54 24.0	0.8		
BJI	20.0	273	E(P)	19 55 48.5	− 4.7		
XAN	27.5	264	EP	19 57 05.7	− 0.5		
WMQ	39.6	291	EP	19 58 51.2	0.7		
1984 2 7							
O=21 33 20.7			**+/− 0.18 SEC**				
LAT=9.93 S			**+/− 2.98 KM**				
LONG=160.48 E			**+/− 2.83 KM**				
DEPTH=19 KM			**+/− 0.72 KM**				
Ms(CHINA)=7.3/38, M_{SZ}(NEIS)=7.5, mb(NEIS)=6.6							
STATIONS USED=147. STAND DEV=2.37 SEC							
QZH	53.6	311	IPU	21 42 45.0	1.9		
			PmN			6.0	7.9
			PmE			6.0	12.7
			PmZ			6.0	31.5
			PP	21 44 52.0	7.6		
			S	21 50 16.0	1.9		
			SCS	21 52 30.0	2.7		
			SS	21 53 52.0	− 0.4		
			LN	Ms=7.2		20.0	183.7
			LE			18.6	102.0
SSE	55.5	318	PU	21 42 55.5	− 2.0		
			PmN			7.0	6.9
			PmE			7.0	7.8
			PmZ			7.0	29.2
			PCP	21 44 06.0	9.6		
			PP	21 45 04.0	1.8		
			S	21 50 37.5	− 3.1		
			LE	Ms=7.2		20.0	188.7

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GZH	56.6	306	EP	21 43 05.5	0.2		
			P mZ			4.0	23.2
			IS	21 51 00.0	5.0		
			S mN			15.0	69.7
			S mE			13.0	36.0
			PS	21 51 11.0			
			LN	Ms = 7.4		22.0	298.6
			LE			24.0	224.3
QZN	57.6	299	PR	21 43 15.0	2.6		
			P mZ			6.0	21.8
			S	21 51 11.0	2.7		
			S mN			15.0	31.6
			S mE			17.0	73.3
			LN	Ms = 7.4		21.0	175.9
			LE			21.0	304.3
NJ2	57.7	318	PU	21 43 14.0	1.3		
			P mZ			6.0	24.4
			S	21 51 10.0	1.1		
			S mN			14.0	31.5
			LN	Ms ≐ 7.2		16.0	88.1
			LE			20.0	175.2
WHN	59.8	313	P	21 43 28.5	0.6		
DL2	60.6	325	IPU	21 43 33.0	0.2		
			P mN			6.0	7.2
			P mE			6.0	7.3
			P mZ			6.0	20.3
			XP	21 43 47.0	3.6		
			ES	21 51 44.0	− 2.5		
			S mN			12.0	37.6
			S mE			12.0	34.2
			LN	Ms = 7.4		21.0	212.9
			LE			18.0	185.4
MDJ	61.1	335	IPC	21 43 36.5	0.3		
			IS	21 51 57.0	4.1		
			LE	Ms = 7.5		22.0	416.7
TIA	61.4	320	PU	21 43 38.9	0.3		
			P mN			6.0	6.8
			P mE			6.0	8.0
			P mZ			6.0	20.7
			PCP	21 44 22.8	3.2		
			S	21 51 44.4	−13.0		
			S mN			13.0	28.9
			S mE			13.0	35.7
			XS	21 52 13.0	3.7		
			LN	Ms = 7.4		21.6	140.0
			LE			19.0	229.2
SNY	61.6	329	P	21 43 39.5	− 0.6		
			P mZ			7.0	11.0
			S	21 52 02.5	2.2		
			LN	Ms = 7.1		16.0	54.4
			LE			21.0	116.0
CN2	62.2	331	PC	21 43 41.8	− 2.3		
			P mN			7.0	8.4
			P mE			7.0	7.7
			P mZ			7.0	22.8
			S	21 52 01.0	− 6.7		
			S mE			8.0	31.0
			SS	21 55 58.0	−13.2		
			LN	Ms = 7.3		16.0	141.0
			LE			16.0	128.0
GYA	63.5	306	P	21 43 53.0	0.0		
			S	21 52 30.0	5.5		
			LN	Ms = 7.3		19.0	147.0
			LE			19.0	99.0
BJI	64.4	323	EP	21 43 57.0	− 1.6		
			P mN			6.0	6.8
			P mE			6.0	7.6
			P mZ			6.0	17.1
			S	21 52 31.0	− 4.3		
			S mN			14.0	36.1
			S mE			12.5	19.5
			LE	Ms = 7.2		19.0	147.9
TIY	65.3	319	P	21 44 04.5	0.2		
			P mZ			6.0	21.6
			LE	Ms = 7.2		17.0	139.7
XAN	65.6	314	P	21 44 05.0	− 1.2		
			PCS	21 48 36.0	− 3.6		
			S	21 52 52.0	2.3		
			S mN			13.0	32.3
			S mE			14.0	28.2
			LN	Ms = 7.3		19.0	10.3
			LE			20.0	187.5
KMI	66.1	303	PU	21 44 10.0	0.1		
			P mZ			7.0	14.3
			AP	21 44 15.0	− 2.0		
			XP	21 44 19.0	− 1.3		
			PP	21 46 30.0	− 6.7		
			S	21 52 56.0	− 0.8		
			S mE			13.0	21.8
			I	21 53 07.0			
			PS	21 53 15.0			
			LE	Ms = 7.2		18.0	127.3

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
HHC	67.7	321	P	21 44 20.0	0.4		
CD2	67.8	309	EP	21 44 20.5	0.0		
			S	21 53 19.0	2.0		
			LN	Ms=7.2		15.0	60.1
			LE			15.0	86.0
BTO	68.5	320	PU	21 44 25.0	0.4		
			S	21 53 27.0	2.1		
			LN	Ms=7.3		21.0	135.4
			LE			21.0	130.1
LZH	70.2	314	PC	21 44 35.5	0.2		
			PmZ			2.5	1.5
			AP	21 44 41.0	−1.3		
			S	21 53 29.0	−16.3		
			SmE			8.0	5.5
			LN	Ms=7.1		11.0	14.7
			LE			17.0	85.5
GTA	74.6	315	P	21 45 01.8	0.6		
			S	21 54 38.0	2.6		
			LE	Ms=7.2		18.0	116.8
LSA	77.4	303	EP	21 45 15.8	−0.7	16.8	
			S	21 55 10.1	3.4		
			SmN			16.0	46.8
			LN	Ms=7.1		20.0	44.9
			LE			18.0	64.8
WMQ	84.7	316	EP	21 45 55.0	−0.5		
			S	21 56 20.0	−1.3		
			LN	Ms=7.6		21.0	256.8
KSH	92.0	309	PU	21 46 33.0	2.3		
			ES	21 57 33.0	3.2		
			LN	Ms=7.2		10.0	49.0

1984 2 7

O=22 46 59.4 +/− 0.16 SEC
LAT=10.17 S +/− 1.68 KM
LONG=160.80 E +/− 2.04 KM
DEPTH=35 KM +/− 0.81 KM
mb(NEIS)=5.3
STATIONS USED=32, STAND DEV=1.38 SEC

NJ2	58.0	318	EP	22 56 49.8	−2.1		
MDJ	61.4	335	EP	22 57 15.0	0.0		
SNY	62.0	329	EP	22 57 18.6	−0.4		
CN2	62.6	331	PC	22 57 21.4	−1.5		
GYA	63.9	306	P	22 57 35.0	3.1		
BJI	64.8	323	E(P)	22 57 34.0	−3.5		
XAN	66.0	314	EP	22 57 43.6	−1.5		
CD2	68.2	309	EP	22 58 00.0	0.7		
BTO	68.9	320	EP	22,58 01.2	−2.1		
GTA	75.0	315	P	22 58 40.6	0.8		
WMQ	85.1	315	EP	22 59 33.8	0.1		

1984 2 7

O=23 29 37.2 +/− 0.13 SEC
LAT=10.06 S +/− 1.83 KM
LONG=160.73 E +/− 2.99 KM
DEPTH=36 KM +/− 0.84 KM
mb(NEIS)=4.7
STATIONS USED=21, STAND DEV=2.26 SEC

MDJ	61.3	335	EP	23 39 52.0	0.1		
CN2	62.5	331	EP	23 39 59.4	−0.4		
BJI	64.7	323	EP	23 40 12.5	−1.9		
XAN	65.9	314	EP	23 40 21.0	−1.0		
CD2	68.1	309	EP	23 40 36.0	−0.3		
GTA	74.9	315	P	23 41 18.3	1.5		
WMQ	84.9	315	E(P)	23 42 06.0	−4.8		

1984 2 8

O=00 20 22.7 +/− 0.19 SEC
LAT=9.67 S +/− 2.08 KM
LONG=113.04 E +/− 2.80 KM
DEPTH=54 KM +/− 0.62 KM
mb(NEIS)=5.2
STATIONS USED=26, STAND DEV=1.38 SEC

GYA	36.4	350	EP	00 27 26.8	2.1		
CD2	41.3	347	EP	00 28 05.6	0.4		
XAN	43.6	355	EP	00 28 23.6	−0.6		
LSA	44.5	332	PC	00 28 35.0	3.8		
LZH	46.3	349	PC	00 28 46.2	0.5		
			PmZ			1.5	0.07
TIY	47.1	359	P	00 28 51.8	−0.2		
BJI	49.5	3	EP	00 29 10.0	−0.6		
HHC	50.3	358	P	00 29 16.5	0.1		
GTA	50.3	346	P	00 29 17.8	0.9		
SNY	52.1	9	EP	00 29 27.4	−2.9		
CN2	54.4	11	EP	00 29 45.5	−1.5		
WMQ	58.0	338	EP	00 30 12.4	−0.5		

1984 2 8

O=00 39 49.8 +/− 0.05 SEC
LAT=9.40 S +/− 3.50 KM
LONG=160.29 E +/− 3.58 KM
DEPTH=11 KM +/− 1.84 KM
Ms(CHINA)=5.8/13, Msz(NEIS)=6.4, mb(NEIS)=6.0

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
STATIONS USED=60. STAND DEV=0.57 SEC							
QZH	53.1	310	PR	00 49 10.5	0.6		
			PmN			5.0	0.9
			PmE			5.0	1.4
			PmZ			5.0	3.5
			PP	00 51 10.0	− 0.5		
			IS	00 56 42.0	3.3		
			ESS	01 00 22.0	6.1		
			LN	Ms=5.6		20.0	5.7
SSE	55.0	318	EP	00 49 24.8	0.7		
			PmE			1.2	0.06
			PmZ			1.2	0.2
GZH	56.1	305	IPU	00 49 32.0	− 0.3		
			PmZ			7.0	4.8
			IS	00 57 24.0	3.9		
			S	00 57 26.0	5.9		
			SmN			12.0	2.3
			SmE			11.0	0.8
			LN	Ms=5.9		13.0	1.3
			LE			17.0	8.0
NJ2	57.1	318	PU	00 49 40.0	0.5		
			PmZ			6.5	3.3
			S	00 57 37.0	3.7		
			LN	Ms=5.8		17.0	6.8
QZN	57.2	299	PC	00 49 40.2	0.4		
WHN	59.3	313	PC	00 49 54.5	− 0.4		
DL2	60.0	325	P	00 49 59.2	− 0.4		
MDJ	60.5	335	IPC	00 50 03.5	0.6		
TIA	60.9	320	PC	00 50 04.2	− 1.3		
			PmZ			6.0	2.8
			PP	00 52 16.0	− 4.8		
			PPmZ			7.5	2.5
			ES	00 58 23.0	1.0		
			SmN			11.0	2.7
			SmE			9.2	1.8
			LN	Ms=6.2		23.0	15.9
			LE			23.0	12.8
SNY	61.1	329	IPC	00 50 06.5	− 0.4		
			PmZ			7.5	3.4
			S	00 58 29.5	4.9		
			LE	Ms=5.8		16.0	6.0
CN2	61.7	331	IPC	00 50 10.7	− 0.1		
			PmN			4.0	1.4
			PmE			4.0	0.9
			PmZ			4.0	3.5
			ES	00 58 28.0	− 4.0		
			SmE			4.0	1.2
			LN	Ms=6.1		16.0	11.0
GYA	63.1	305	PC	00 50 20.0	− 0.3		
			S	00 58 40.0	−10.0		
BJI	63.9	323	PC	00 50 25.0	− 0.6		
			ES	00 59 02.0	2.0		
			LN	Ms=5.8		17.5	5.4
			LE			15.5	1.3
TIY	64.8	319	PU	00 50 31.0	− 0.3		
			PmZ			1.6	0.3
			S	00 59 14.0	3.1		
			LN	Ms=5.8		18.0	5.9
XAN	65.1	314	IPC	00 50 32.5	− 0.9		
			ES	00 59 15.0	0.2		
			SmN			10.0	1.3
			SmE			11.0	1.8
KMI	65.7	302	PU	00 50 38.0	0.5		
			PmZ			8.0	3.0
			S	00 59 25.0	2.4		
HHC	67.2	321	P	00 50 47.0	0.3		
CD2	67.4	309	P	00 50 48.0	0.0		
			S	00 59 42.5	0.0		
BTO	68.0	320	PU	00 50 52.0	0.2		
LZH	69.7	313	IPC	00 51 03.0	0.3		
			PmZ			6.0	2.9
			ES	01 00 14.0	3.2		
			SmE			10.0	1.6
			LN	Ms=5.9		17.0	6.0
			LE			16.0	2.5
GTA	74.1	315	IPC	00 51 29.5	0.8		
			PmZ			4.0	1.6
			S	01 01 04.5	3.5		
			SmE			12.0	2.2
LSA	76.9	303	PC	00 51 46.0	0.5		
			S	01 01 35.2	2.0		
			SmN			11.0	2.8
WMQ	84.2	316	IPC	00 52 22.8	− 0.6		
			S	01 02 47.0	− 0.6		
			SmE			11.0	2.7
KSH	91.5	309	IPC	00 53 00.0	1.0		

1984 2 8

O=03 16 36.8 +/− 0.33 SEC
LAT=3.77 S +/− 4.20 KM
LONG=150.75 E +/− 5.29 KM
DEPTH=35 KM +/− 1.03 KM

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
Ms(CHINA)=5.4/14, Msz(NEIS)=5.4, mb(NEIS)=5.2							
STATIONS USED=48, STAND DEV=3.70							
SSE	44.7	322	EP	03 24 48.5	0.0		
			S	03 31 22.0	− 0.4		
			SCS	03 34 49.0	8.9		
			LN	Ms=5.6		16.0	5.9
NJ2	46.8	321	EP	03 25 06.6	1.5		
			S	03 31 56.0	3.8		
			SmN			12.0	0.9
			SmE			15.0	2.4
			SS	03 35 17.0	6.3		
			LN	Ms=5.4		15.0	3.0
WHN	48.7	317	PD	03 25 21.4	1.2		
DL2	50.3	330	P	03 25 33.3	1.1		
TIA	50.7	324	EP	03 25 35.1	− 0.4		
			PCP	03 26 48.0	− 3.9		
			ES	03 32 51.0	3.8		
			SmE			8.0	0.7
			LN	Ms=5.6		19.0	3.9
			LE			19.0	3.6
SNY	51.7	334	EP	03 25 42.8	− 0.1		
			S	03 32 56.0	− 4.8		
			PS	03 33 08.0			
			LN	Ms=5.4		35.0	5.4
			LE			39.0	4.1
MDJ	51.8	340	EP	03 25 40.8	− 2.8		
GYA	52.1	307	P	03 25 50.0	3.4		
			S	03 33 12.0	4.4		
			SmE			10.0	1.0
			LN	Ms=5.2		16.0	2.0
CN2	52.5	337	EP	03 25 50.0	0.6		
			PmZ			5.0	1.0
			ES	03 33 12.0	− 0.7		
			SmN			8.0	1.1
			LN	Ms=5.4		15.0	2.5
BJI	53.9	327	E(P)	03 25 56.5	− 3.1		
			ES	03 33 32.0	0.6		
			LN	Ms=5.4		17.0	2.5
			LE			16.5	0.8
TIY	54.5	322	EP	03 26 03.8	0.0		
			ES	03 33 37.0	− 2.0		
			LN	Ms=5.5		19.0	4.1
XAN	54.5	317	EP	03 26 01.2	− 2.6		
			ES	03 33 36.0	− 3.0		
			SmE			9.0	0.8
			LE	Ms=5.2		18.0	1.8
KMI	54.7	304	EP	03 26 07.5	1.8		
			ES	03 33 46.0	3.4		
			LN	Ms=5.3		18.0	2.1
CD2	56.5	311	EP	03 26 18.5	− 0.1		
			S	03 34 10.5	4.2		
HHC	57.0	325	EP	03 26 28.5	6.2		
BTO	57.8	324	EP	03 26 27.5	0.1		
LZH	59.1	316	EP	03 26 37.0	0.3		
GTA	63.5	317	EP	03 27 05.4	− 1.3		
			S	03 35 41.5	5.0		
			SmE			10.0	0.9
			LE	Ms=5.1		14.0	0.9
LSA	66.0	304	EP	03 27 24.2	1.3		

1984 2 8

O=08 29 48.3 +/− 0.10 SEC
LAT=9.92 S +/− 1.61 KM
LONG=160.91 E +/− 2.13 KM
DEPTH=28 KM +/− 0.92 KM
mb(NEIS)=5.0
STATIONS USED=22, STAND DEV=1.61 SEC

MDJ	61.2	334	EP	08 40 03.0	− 0.6
CN2	62.4	331	P	08 40 11.2	− 0.4
BJI	64.7	323	E(P)	08 40 25.5	− 0.9
XAN	65.9	314	EP	08 40 33.2	− 1.1
CD2	68.2	308	EP	08 40 49.6	0.9
GTA	74.9	315	EP	08 41 30.4	1.3

1984 2 8

O=14 37 15.2 +/− 0.14 SEC
LAT=2.61 N +/− 3.49 KM
LONG=95.86 E +/− 1.32 KM
DEPTH=45 KM +/− 1.77 KM
mb(NEIS)=4.8
STATIONS USED=32, STAND DEV=1.28 SEC

GYA	25.9	22	P	14 42 45.4	0.3
LSA	27.3	351	PC	14 42 59.8	1.2
CD2	29.1	14	EP	14 43 08.8	− 5.6
WHN	32.8	30	PD	14 43 47.1	0.0
XAN	33.6	19	PC	14 43 52.2	− 1.3
LZH	34.1	11	P	14 43 58.0	− 0.4
GTA	36.8	5	IPC	14 44 21.2	0.0
TIY	38.1	21	EP	14 44 32.0	0.0
HHC	40.6	18	P	14 44 54.8	1.8
BJI	41.6	23	EPC	14 45 01.5	0.9
WMQ	41.7	351	PD	14 45 02.6	1.0

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
DL2	43.1	29	EP	14 45 13.8	0.6		
SNY	46.3	28	EP	14 45 38.4	− 0.4		
CN2	48.7	28	EP	14 45 56.0	− 1.5		
1984 2 8							
O=16 40 19.2			+/−	0.29 SEC			
LAT=24.88 N			+/−	4.40 KM			
LONG=122.95 E			+/−	2.60 KM			
DEPTH=19 KM			+/−	5.21 KM			
Ms(CHINA)=3.7/2, ML(CHINA)=3.7/6							
STATIONS USED=14, STAND DEV=4.60 SEC							
QZH	4.0	271	EPN	16 41 16.3	− 4.1		
			SN	16 42 03.7	− 3.4		
			S mN	ML=3.8		0.9	0.2
			S E			0.9	0.2
			LN	Ms=3.5		10.0	0.9
SSE	6.4	346	EPN	16 42 02.8	8.0		
			LG_2	16 43 55.0	5.2		
			LE			1.0	0.05
NJ2	8.0	334	EP	16 42 13.2	− 4.2		
			S	16 43 41.6	− 6.9		
			LN	Ms=3.9		11.0	0.5
			LE			13.0	1.0
CN2	19.0	5	EP	16 44 44.4	1.9		
GTA	24.3	312	EP	16 45 35.6	− 1.1		
1984 2 9							
O=01 19 08.6			+/−	0.41 SEC			
LAT=12.74 S			+/−	4.26 KM			
LONG=75.95 W			+/−	3.92 KM			
DEPTH=73 KM			+/−	3.73 KM			
mb(NEIS)=5.4							
STATIONS USED=31, STAND DEV=2.73 SEC							
CN2	144.0	333	EPKP	01 38 42.0	5.2		
WMQ	146.0	21	IPKPC	01 38 41.7	1.5		
SNY	146.4	333	EPKP	01 38 41.2	0.4		
DL2	149.6	332	EPKP	01 38 49.5	3.3		
BJI	150.8	340	EPKP	01 38 53.0	5.0		
GTA	153.2	7	EPKP	01 38 53.0	1.4		
GYA	166.1	350	PKP	01 39 07.4	1.1		
1984 2 9							
O=04 31 17.7			+/−	0.28 SEC			
LAT=14.06 S			+/−	5.05 KM			
LONG=76.06 W			+/−	6.11 KM			
DEPTH=28 KM			+/−	1.89 KM			

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
Msz(NEIS)=4.7, mb(NEIS)=5.4							
STATIONS USED=47, STAND DEV=2.69 SEC							
KSH	144.7	38	EPKP	04 50 54.0	0.8		
CN2	145.1	332	PKPC	04 50 51.0	− 2.8		
WMQ	147.2	21	EPKP	04 50 57.8	0.3		
SNY	147.5	332	EPKP	04 50 58.0	0.2		
DL2	150.7	330	EPKP	04 51 07.8	4.9		
BJI	152.0	339	EPKP	04 51 11.0	6.3		
GTA	154.5	7	EPKP	04 51 09.6	1.2		
TIA	155.0	334	EPKP	04 51 09.7	0.8		
TIY	155.3	343	EPKP	04 51 10.1	0.8		
NJ2	157.5	325	EPKP	04 51 15.0	2.8		
XAN	159.6	348	EPKP	04 51 15.3	0.4		
LSA	160.5	35	PKP_1	04 51 18.0	1.8		
			PKP_2	04 51 31.2			
CD2	163.2	0	EPKP	04 51 20.6	2.1		
GYA	167.4	348	PKP	04 51 23.4	1.2		
1984 2 9							
O=06 19 12.3			+/−	0.08 SEC			
LAT=36.48 N			+/−	1.63 KM			
LONG=70.85 E			+/−	0.97 KM			
DEPTH=57 KM			+/−	0.59 KM			
mb(NEIS)=4.8							
STATIONS USED=17, STAND DEV=1.42 SEC							
KSH	5.0	52	EP	06 20 31.0	3.8		
			S	06 21 28.0	3.2		
WMQ	14.8	55	P	06 22 38.7	− 0.9		
			ES	06 25 21.5	− 1.1		
			LN			2.5	0.
LSA	18.3	105	EP	06 23 22.0	− 1.6		
GTA	23.0	73	EP	06 24 13.8	1.4		
1984 2 9							
O=15 24 11.5			+/−	0.09 SEC			
LAT=5.09 S			+/−	1.07 KM			
LONG=125.84 E			+/−	3.89 KM			
DEPTH=33 KM			+/−	0.32 KM			
mb(NEIS)=4.9							
STATIONS USED=13, STAND DEV=4.78 SEC							
WHN	37.1	343	EP	15 31 27.0	6.0		
NJ2	37.5	350	EP	15 31 29.8	5.2		
CD2	41.6	330	EP	15 32 01.8	3.6		
XAN	42.1	338	EP	15 32 06.2	3.8		
WMQ	59.6	328	P	15 34 16.0	0.9		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 9							
O=17 54 33.1			+/− 0.13 SEC				
LAT=19.45 S			+/− 2.35 KM				
LONG=175.01 W			+/− 1.15 KM				
DEPTH=186 KM			+/− 1.58 KM				
mb(NEIS)=5.2							
STATIONS USED=49, STAND DEV=1.27 SEC							
MDJ	81.3	323	EP	18 06 30.0	− 0.9		
NJ2	81.4	308	PD	18 06 31.0	− 0.3		
CN2	83.2	321	PC	18 06 37.8	− 2.9		
SNY	83.2	318	PC	18 06 40.2	− 0.6		
WHN	84.1	305	PD	18 06 45.6	0.5		
TIA	84.7	311	PD	18 06 47.6	− 0.3		
BJI	87.1	314	EP	18 07 00.0	0.0		
GYA	88.6	298	P	18 07 07.4	0.4		
TIY	88.7	310	P	18 07 08.0	0.6		
XAN	89.8	306	EP	18 07 12.6	0.2		
KMI	91.4	296	PD	18 07 21.0	0.8		
1984 2 10							
O=16 51 19.9			+/− 0.14 SEC				
LAT=28.07 N			+/− 3.33 KM				
LONG=112.13 W			+/− 3.63 KM				
DEPTH=18 KM			+/− 1.33 KM				
Ms(CHINA)=5.9/7, Msz(NEIS)=6.2, mb(NEIS)=5.6							
STATIONS USED=33, STAND DEV=2.56 SEC							
MDJ	88.4	321	EP	17 04 09.0	− 3.8		
			SKS	17 14 46.0	8.7		
			S	17 15 00.0	4.0		
			LN	Ms=5.8	14.0		2.9
CN2	91.2	322	EP	17 04 26.0	0.0		
			EPP	17 08 02.0	− 1.2		
			ESKS	17 14 56.0	1.9		
			ES	17 15 17.0	− 4.4		
			ESS	17 21 20.0	− 7.4		
			LE	Ms=5.8	15.0		2.6
SNY	93.5	321	EP	17 04 38.2	1.5		
			SKS	17 15 12.0	4.6		
			S	17 15 48.0	6.0		
			SS	17 22 03.0	1.8		
			LN	Ms=6.0	15.0		1.5
			LE		15.0		3.5
DL2	96.6	320	EP	17 04 55.5	4.7		
			ES	17 16 09.0	0.7		
			LN	Ms=5.9	14.0		1.4
			LE		14.0		2.8

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 10							
O=19 49 22.9			+/− 0.13 SEC				
LAT=34.08 N			+/− 2.59 KM				
LONG=135.88 E			+/− 2.21 KM				
DEPTH=65 KM			+/− 1.11 KM				
Ms(CHINA)=4.1/11, mb(NEIS)=5.1							
STATIONS USED=79, STAND DEV=2.58 SEC							
MDJ	11.6	337	EP	19 52 09.5	1.6		
			XP	19 52 27.5	0.2		
			SS	19 54 26.0	− 5.1		
			LE	Ms=4.0	10.0		0.7
SNY	12.4	312	EP	19 52 21.2	2.4		
			EXP	19 52 36.0	− 2.4		
			ES	19 54 37.0	0.9		
			LN	Ms=3.8	30.0		0.9
			LE		30.0		1.0
DL2	12.4	296	EP	19 52 19.6	0.4		
			ES	19 54 40.0	3.1		
			LE	Ms=4.0	8.0		0.6
CN2	12.6	323	P	19 52 23.4	1.4		
			XP	19 52 40.0	− 1.6		
			ES	19 54 45.0	3.1		
			LE	Ms=4.1	13.0		1.0
SSE	12.7	260	EP	19 52 22.0	− 1.2		
			LN	Ms=4.2	8.0		0.9
NJ2	14.4	266	EP	19 52 49.4	4.2		
			LN	Ms=4.2	8.0		0.7
TIA	15.5	283	EP	19 52 58.8	− 0.2		
BJI	16.8	296	EP	19 53 14.5	− 1.0		
			ES	19 56 26.0	6.8		
			LN	Ms=3.9	8.0		0.3
TIY	19.3	287	PR	19 53 45.5	− 0.3		
			XP	19 54 04.0	− 3.4		
			S	19 57 22.0	6.5		
			LN	Ms=4.1	15.0		0.6
BTO	21.5	295	EP	19 54 07.1	− 1.6		
XAN	22.3	277	EP	19 54 15.2	− 1.3		
			XP	19 54 36.0	− 3.3		
			ES	19 58 07.0	− 5.9		
			XS	19 58 36.0	− 1.3		
LZH	26.2	283	PD	19 54 53.0	− 1.2		
			PmZ		1.7		0.1
GYA	26.3	261	P	19 54 53.4	− 1.2		
			XP	19 55 15.0	− 2.7		
			S	19 59 34.0	13.2		
CD2	27.2	272	IPD	19 55 01.8	− 1.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P=Z			0.8	0.2
QZN	27.6	243	EP	19 55 06.8	0.4		
KMI	30.1	261	EP	19 55 27.5	− 1.2		
			S	20 00 27.5	5.9		
			LN	Ms=4.5		10.0	0.5
LSA	38.0	276	PD	19 56 37.6	0.4		
WMQ	38.2	299	IPD	19 56 38.0	− 0.8		
1984 2 11							
O=00 55 08.2			+/−	0.39 SEC			
LAT=23.61 N			+/−	2.96 KM			
LONG=124.65 E			+/−	1.39 KM			
DEPTH=45 KM			+/−	1.06 KM			
mb(NEIS)=3.9, ML(CHINA)=3.3/2							
STATIONS USED=7, STAND DEV=1.59 SEC							
QZH	5.7	284	EP	00 56 31.7	− 0.7		
			S	00 57 34.2	− 3.2		
			S=N	ML=3.5		0.3	0.05
			S=E			0.3	0.03
BJI	17.9	338	E(P)	00 59 16.0	0.6		
CD2	19.9	295	EP	00 59 40.0	0.6		
CN2	20.1	1	EP	00 59 39.4	− 2.2		
1984 2 11							
O=08 02 51.2			+/−	0.17 SEC			
LAT=38.21 N			+/−	8.31 KM			
LONG=21.78 E			+/−	5.67 KM			
DEPTH=46 KM			+/−	3.59 KM			
Ms(CHINA)=5.4/10, Msz(NEIS)=5.4							
mb(NEIS)=5.3,							
STATIONS USED=36, STAND DEV=1.36 SEC							
KSH	41.7	70	EP	08 10 38.0	0.2		
			ES	08 16 50.0	− 1.6		
			LN	Ms=5.5		9.0	2.6
WMQ	48.9	61	P	08 11 34.0	− 0.9		
			P=Z			2.0	0.2
			S	08 16 35.0	0.5		
			LN	Ms=5.4		12.0	2.3
LSA	57.0	76	EP	08 12 33.5	− 1.9		
GTA	58.9	62	EP	08 12 46.8	− 2.1		
			SCP	08 17 38.2	6.9		
			ES	08 20 43.0	− 7.5		
			LN	Ms=5.1		11.0	0.4
			LE			11.5	0.6
BTO	65.3	56	EP	08 13 28.6	− 2.9		
CD2	65.8	68	EP	08 13 34.0	− 0.8		
HHC	66.2	56	P	08 13 38.5	1.4		
XAN	67.9	63	EP	08 13 46.6	− 1.4		
TIY	68.4	58	P	08 13 51.0	0.0		
			ES	08 22 46.0	− 2.1		
			LN	Ms=5.2		13.0	0.9
BJI	69.6	54	EP	08 13 56.5	− 1.8		
			ES	08 22 60.0	− 2.3		
			S=N			8.0	0.3
			S=E			7.5	0.2
			LN	Ms=5.4		9.5	0.2
			LE			12.5	1.4
GYA	70.4	71	P	08 14 01.6	− 1.5		
			S	08 23 08.0	− 3.4		
TIA	72.4	57	EP	08 14 13.8	− 1.1		
CN2	73.1	47	PC	08 14 18.4	− 1.1		
			P=Z			2.0	0.4
			S	08 23 38.0	− 5.1		
			LE	Ms=5.6		17.0	2.8
WHN	73.7	63	E(P)	08 14 23.0	0.3		
MDJ	75.0	44	EP	08 14 29.0	− 1.3		
NJ2	75.9	60	EP	08 14 36.4	0.7		
			ES	08 24 14.0	− 0.3		
			SS	08 29 05.0	− 3.3		
			LN	Ms=5.3		15.0	0.9
			LE			15.0	0.6
QZN	77.0	76	EP	08 14 41.7	− 0.1		
1984 2 11							
O=08 12 27.9			+/−	0.20 SEC			
LAT=36.72 N			+/−	1.96 KM			
LONG=30.36 E			+/−	0.96 KM			
DEPTH=73 KM			+/−	1.14 KM			
mb(NEIS)=4.9							
STATIONS USED=24, STAND DEV=1.13 SEC							
LSA	50.6	79	EP	08 21 23.2	0.7		
GTA	53.5	64	P	08 21 44.0	0.2		
CD2	59.9	72	EP	08 22 28.4	− 0.8		
HHC	61.2	58	EP	08 22 38.6	0.1		
XAN	62.4	66	EP	08 22 45.4	− 0.4		
TIA	67.2	61	EP	08 23 17.3	− 0.1		
			LN			13.0	0.8
			LE			13.0	0.9
CN2	69.0	50	EP	08 23 26.0	− 2.1		
QZN	70.6	80	P	08 23 39.2	0.9		
1984 2 11							

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
O=08 37 06.0			+/- 0.10 SEC				
LAT=33.52 N			+/- 1.67 KM				
LONG=71.55 E			+/- 1.70 KM				
DEPTH=33 KM			+/- 0.29 KM				
Ms(CHINA)=4.9/1, mb(NEIS)=4.9							
STATIONS USED=34, STAND DEV=1.90 SEC							
KSH	6.9	29	EP	08 38 51.0	3.1		
			ES	08 40 12.0	5.6		
			LG	08 40 57.0	2.8		
			LN	Ms=4.9		7.0	7.0
WMQ	16.2	46	EP	08 40 50.8	- 2.8		
			S	08 43 42.0	-10.7		
			LN			2.5	0.1
LSA	17.1	97	EP	08 41 00.9	- 4.2		
GTA	23.4	67	EP	08 42 14.6	1.1		
CD2	27.3	86	EP	08 42 51.0	0.8		
GYA	31.1	93	P	08 43 23.4	- 0.8		
BJI	36.0	66	E(P)	08 44 06.5	- 0.1		
1984 2 11							
O=10 11 50.2			+/- 0.10 SEC				
LAT=36.00 N			+/- 1.81 KM				
LONG=82.46 E			+/- 1.38 KM				
DEPTH=32 KM			+/- 0.14 KM				
Ms(CHINA)=4.5/12, Msz(NEIS)=4.0							
mb(NEIS)=4.7, ML(CHINA)=4.8/2							
STATIONS USED=36, STAND DEV=1.99 SEC							
KSH	6.2	305	EPN	10 13 22.0	0.1		
			ISN	10 14 34.0	1.4		
			LN	Ms=5.7		6.0	47.2
WMQ	8.8	25	EP	10 13 56.0	- 2.2		
			S	10 15 40.8	3.6		
			LN	Ms=4.4		12.0	3.4
LSA	9.6	128	EP	10 14 10.9	0.5		
			ES	10 15 56.9	- 2.3		
			LN	Ms=4.6		13.0	3.6
			LE			13.0	2.6
GTA	14.2	70	P	10 15 11.2	0.2	14.2	
			LG_2	10 19 30.0	- 7.3		
			LE	Ms=4.6		10.0	2.1
LZH	17.3	83	EP	10 15 50.0	- 1.3		
			P-Z			2.5	0.1
			ES	10 19 10.0	2.8		
			LE	Ms=4.3		11.0	1.0
CD2	18.5	99	EP	10 16 07.0	1.2		
			ES	10 19 28.0	-10.1		
			LN	Ms=4.7		10.0	2.2
KMI	20.5	116	EP	10 16 29.0	0.1		
			ES	10 20 09.0	- 3.2		
			LN	Ms=4.5		11.0	1.1
XAN	21.7	87	EP	10 16 36.0	- 5.2		
			EXS	10 20 45.0	- 3.8		
			LN	Ms=4.7		12.0	1.5
			LE			11.0	0.7
GYA	22.7	107	P	10 16 56.8	5.7		
			XS	10 21 05.0	- 2.2		
			LN	Ms=4.5		12.0	1.1
HHC	23.3	69	EP	10 16 58.0	1.8		
TIY	24.0	76	EP	10 17 04.0	0.6		
			S	10 21 17.5	1.8		
			LE	Ms=4.6		12.0	1.2
BJI	26.8	71	EP	10 17 29.5	0.0		
			ES	10 22 08.0	6.3		
			LN	Ms=4.4		10.0	0.4
			LE			7.0	0.2
DL2	31.1	72	EP	10 18 11.5	3.4		
			LN	Ms=4.4		14.0	0.5
1984 2 11							
O=13 57 44.8			+/- 0.16 SEC				
LAT=12.15 N			+/- 3.88 KM				
LONG=60.12 W			+/- 2.17 KM				
DEPTH=57 KM			+/- 1.22 KM				
mb(NEIS)=5.3							
STATIONS USED=28, STAND DEV=1.86							
CN2	124.1	355	EPKP	14 16 38.0	- 0.1		
GTA	125.4	19	PKP	14 16 41.7	0.9		
SNY	126.2	356	EPKP	14 16 42.7	0.6		
HHC	126.7	7	PKP	14 16 45.0	1.7		
BJI	128.0	3	EPKP	14 16 46.0	0.4		
LZH	129.7	16	EPKP	14 16 48.5	- 0.6		
LSA	130.0	33	EPKP	14 16 51.9	1.9		
TIA	131.8	2	PKP	14 16 54.3	1.3		
XAN	132.9	12	EPKP	14 16 56.2	1.1		
CD2	134.5	19	EPKP	14 17 00.0	2.0		
NJ2	136.0	1	PKPC	14 17 01.7	0.9		
			PP	14 19 42.0	- 1.0		
GYA	139.5	18	PKP	14 17 02.6	- 4.8		
QZN	147.5	17	EPKP	14 17 23.1	2.1		
1984 2 11							
O=15 19 46.7			+/- 0.13 SEC				

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT=16.40 S +/- 3.72 KM							
LONG=172.98 W +/- 2.91 KM							
DEPTH=33 KM +/- 0.40 KM							
mb(NEIS)=5.2							
STATIONS USED=46, STAND DEV=1.63 SEC							
MDJ	80.1	322	EP	15 31 55.4	0.0		
NJ2	81.1	307	PC	15 31 53.2	- 7.7		
CN2	82.1	319	IPC	15 32 06.2	0.0		
SNY	82.3	317	EP	15 32 07.6	0.5		
TIA	84.2	310	P	15 32 17.6	0.9		
BJI	86.4	313	EP	15 32 28.5	0.6		
			PmZ			1.2	0.04
TIY	88.2	310	EP	15 32 37.7	1.2		
GYA	88.9	297	P	15 32 41.6	1.8		
XAN	89.5	305	EP	15 32 43.6	0.7		
KMI	91.8	295	EP	15 32 56.0	2.3		
CD2	92.7	301	EP	15 32 59.4	2.0		
GTA	98.1	308	P	15 33 23.0	0.7		
1964 2 11							
O=19 12 14.4 +/- 0.24 SEC							
LAT=5.75 S +/- 3.54 KM							
LONG=109.60 E +/- 4.26 KM							
DEPTH=577 KM +/- 1.53 KM							
mb(NEIS)=5.0							
STATIONS USED=38, STAND DEV=3.03 SEC							
KMI	31.4	347	EP	19 17 53.0	1.7		
GYA	32.1	355	P	19 17 58.4	1.0		
WHN	36.4	6	EP	19 18 33.0	0.6		
CD2	36.9	351	EP	19 18 37.6	1.0		
SSE	38.3	16	EP	19 18 48.6	0.7		
NJ2	38.6	12	PD	19 18 51.6	0.9		
			PmZ			0.9	0.02
			PCP	19 20 49.8	1.7		
LSA	39.5	334	PC	19 18 58.8	0.8		
TIA	42.3	9	PD	19 19 19.3	- 1.1		
TIY	43.3	3	P	19 19 27.9	- 0.4		
BJI	46.0	7	EP	19 19 48.0	- 0.6		
			PmZ			1.0	0.02
SNY	49.0	13	EP	19 20 09.8	- 2.0		
CN2	51.4	14	PD	19 20 26.5	- 2.3		
MDJ	53.3	17	EP	19 20 41.0	- 1.3		
1984 2 11							
O=21 03 36.5 +/- 0.08 SEC							
LAT=10.10 S +/- 1.14 KM							
LONG=161.20 E +/- 1.39 KM							
DEPTH=37 KM +/- 0.39 KM							
mb(NEIS)=4.9							
STATIONS USED=20, STAND DEV=1.23 SEC							
SSE	56.1	318	EP	21 13 15.6	0.5		
MDJ	61.5	334	EP	21 13 52.2	- 0.4		
CN2	62.7	331	EP	21 14 01.0	0.3		
BJI	65.0	323	E(P)	21 14 13.0	- 2.6		
XAN	66.2	314	EP	21 14 23.9	0.4		
CD2	68.5	308	EP	21 14 39.5	1.6		
GTA	75.2	315	P	21 15 20.2	2.1		
1984 2 11							
O=21 48 45.4 +/- 0.23 SEC							
LAT=10.39 S +/- 3.42 KM							
LONG=160.77 E +/- 4.62 KM							
DEPTH=22 KM +/- 1.32 KM							
mb(NEIS)=4.7							
STATIONS USED=19, STAND DEV=3.99 SEC							
DL2	61.1	325	E(P)	21 59 05.4	4.6		
MDJ	61.6	335	EP	21 59 05.0	0.8		
CN2	62.8	331	PD	21 59 08.1	- 3.9		
BJI	65.0	323	EP	21 59 22.5	- 3.9		
XAN	66.1	314	EP	21 59 32.7	- 1.2		
CD2	68.4	309	EP	21 59 47.6	- 0.4		
GTA	75.1	315	P	22 00 28.6	0.0		
1984 2 11							
O=23 56 00.0 +/- 0.23 SEC							
LAT=29.32 N +/- 1.71 KM							
LONG=130.42 E +/- 1.92 KM							
DEPTH=52 KM +/- 0.19 KM							
Ms(CHINA)=4.8/16, mb(NEIS)=5.1							
STATIONS USED=34, STAND DEV=1.55 SEC							
SSE	8.2	284	PD	23 57 58.0	- 1.0		
			LE	Ms=4.6		13.0	5.3
NJ2	10.3	288	PU	23 58 26.0	- 2.4		
			PmZ			5.0	0.4
			ES	24 00 27.0	3.2		
			LN	Ms=4.7		13.0	2.6
			LE			13.0	4.3
QZH	11.4	250	EP	23 58 45.2	2.2		
			S	24 00 60.0	10.1		
			LN	Ms=4.0		13.0	0.8
			LE			13.0	0.6
DL2	12.0	325	PU	23 58 51.5	0.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			PmN			3.0	0.6
			PmE			4.0	0.7
			PmZ			4.0	0.7
			XP	23 59 10.0	2.4		
			S	24 01 06.3	1.6		
			LN	Ms=4.9		12.0	4.1
			LE			14.0	4.6
TIA	13.1	304	PD	23 59 05.1	− 1.0		
			PmN			6.5	0.5
			PmE			6.5	0.6
			PmZ			6.5	0.7
			ES	24 01 32.0	0.5		
			LN	Ms=4.9		13.0	3.8
			LE			13.0	4.3
SNY	13.7	337	IPU	23 59 14.0	1.0		
			ES	24 01 46.0	1.9		
			LN	Ms=4.9		12.5	5.1
			LE			12.0	3.4
WHN	14.0	278	EP	23 59 16.6	− 0.8		
CN2	15.0	345	PU	23 59 31.0	0.6		
			PmZ			2.0	0.5
			ES	24 02 17.0	1.4		
			XS	24 02 26.5	− 3.1		
			LN	Ms=4.9		12.0	4.5
MDJ	15.3	357	EP	23 59 34.0	− 0.1		
BJI	15.8	316	EP	23 59 41.5	0.2		
			EPP	23 59 55.0	1.0		
			ES	24 02 37.0	1.6		
			LN	Ms=4.9		13.0	3.8
			LE			13.0	2.5
GZH	16.5	251	PU	23 59 55.0	5.0		
			LN	Ms=4.5		14.0	1.3
			LE			14.0	1.3
TIY	17.2	303	EP	23 59 58.5	0.5		
			PP	24 00 11.5	− 0.7		
			ES	24 03 13.0	4.9		
			SS	24 03 36.0	9.8		
			LN	Ms=4.8		12.5	3.4

1984 2 12

O=06 23 40.9 +/− 0.09 SEC
LAT=2.39 S +/− 1.03 KM
LONG=139.51 E +/− 1.31 KM
DEPTH=13 KM +/− 0.21 KM
Msz(NEIS)=4.7, mbNEIS)=5.2
STATIONS USED=45, STAND DEV=0.91 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
QZN	36.1	307	P	06 30 44.7	− 0.3		
SSE	37.6	333	P	06 30 57.2	− 0.2		
			PmZ			1.2	0.06
NJ2	39.5	331	PC	06 31 14.0	0.9		
			PmZ			18.0	0.3
GYA	42.8	314	P	06 31 41.6	1.2		
TIA	43.7	333	PD	06 31 48.1	0.1		
XAN	46.3	324	EP	06 32 08.2	− 0.4		
SNY	46.3	343	PD	06 32 09.4	0.5		
TIY	47.1	330	EP	06 32 15.2	− 0.1		
BJI	47.3	335	EP	06 32 15.5	− 1.3		
CD2	47.5	317	EP	06 32 18.5	0.4		
MDJ	47.6	350	EP	06 32 19.6	0.4		
CN2	47.7	346	EP	06 32 19.0	− 0.6		
			ES	06 39 12.0	− 2.7		
			LN			15.0	0.4
HHC	50.0	332	P	06 32 38.2	0.4		
BTO	50.6	330	EP	06 32 41.8	0.0		
LZH	50.7	322	PC	06 32 43.0	− 0.1		
			PmZ			1.5	0.1
GTA	55.3	322	P	06 33 17.2	0.0		
LSA	56.1	308	P	06 33 23.3	− 0.3		
WMQ	65.3	321	IPC	06 34 24.5	− 0.8		

1984 2 12

O=06 38 50.6 +/− 0.24 SEC
LAT=38.61 N +/− 1.69 KM
LONG=76.34 E +/− 1.75 KM
DEPTH=121 KM +/− 1.02 KM
mb(NEIS)=5.1, ML(CHINA)=4.8/3
STATIONS USED=11, STAND DEV=1.39 SEC

KSH	0.9	341	IPC	06 39 12.0	− 0.4		
			IS	06 39 31.2	2.2		
			SmE	ML=4.7		1.0	19.8
WMQ	10.0	55	IPD	06 41 12.2	− 0.4		
			S	06 43 07.8	4.1		
			SmN			1.0	0.1
			SmE			1.0	0.09
GTA	18.3	80	P	06 42 57.5	0.0		

1984 2 12

O=07 00 18.2 +/− 0.08 SEC
LAT=4.36 S +/− 0.78 KM
LONG=126.12 E +/− 0.89 KM
DEPTH=439 KM +/− 1.11 KM
mb(NEIS)=4.5

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
STATIONS USED=25. STAND DEV=0.85 SEC							
SSE	35.6	352	EP	07 06 38.5	0.1		
GYA	36.0.0	329	P	07 06 42.6	0.8		
WHN	36.5	342	PD	07 06 47.5	1.5		
NJ2	36.9	349	PC	07 06 49.6	0.5		
CD2	41.1	330	EP	07 07 23.6	0.0		
			S	07 13 01.0	− 3.6		
TIA	41.2	348	P	07 07 24.2	− 0.6		
XAN	41.5	338	EP	07 07 26.1	− 1.0		
DL2	43.2	354	P	07 07 40.8	− 0.1		
BJI	45.1	349	EP	07 07 54.5	− 1.1		
SNY	46.0	357	IPD	07 08 02.1	− 0.6		
CN2	47.9	359	PC	07 08 16.2	− 1.2		
MDJ	48.8	3	EP	07 08 24.7	0.4		
1984 2 12							
O=09 27 09.9			+/− 0.09 SEC				
LAT=38.65 N			+/− 2.85 KM				
LONG=143.05 E			+/− 1.84 KM				
DEPTH=43 KM			+/− 1.81 KM				
Ms(CHINA)=4.4/14, mb(NEIS)=4.8							
STATIONS USED=63, STAND DEV=1.92 SEC							
MDJ	11.7	304	EP	09 29 57.5	0.3		
			SS	09 32 25.0	3.8		
			LE	Ms=4.3		12.0	1.6
CN2	14.2	296	P	09 30 30.2	− 0.3		
			ES	09 33 06.0	− 1.7		
			LN	Ms=4.3		12.0	1.1
			LE			12.0	0.7
SNY	15.2	288	EP	09 30 48.0	4.5		
			S	09 33 40.0	8.8		
			LE	Ms=4.3		18.0	1.8
DL2	16.7	277	P	09 31 04.0	1.4		
			S	09 34 06.4	0.4		
			LN	Ms=4.5		12.0	1.0
			LE			13.0	1.2
SSE	19.4	253	PC	09 31 36.3	0.7		
			PmZ			1.2	0.04
			EXS	09 35 27.0	5.5		
			LN	Ms=4.3		13.0	1.0
TIA	20.7	271	EP	09 31 47.0	− 2.3		
			ES	09 35 23.6	− 9.9		
			LN	Ms=4.5		12.0	0.7
			LE			13.0	1.2
NJ2	20.8	258	PC	09 31 50.3	0.4		
			LE	Ms=4.2		13.0	0.7
BJI	20.8	282	EP	09 31 44.5	− 5.8		
			PCP	09 35 52.0	− 5.5		
			LE	Ms=4.4		14.0	1.2
TIY	24.0	277	EP	09 32 22.0	− 0.3		
			S	09 36 29.0	− 4.9		
			LE	Ms=4.5		15.0	1.2
HHC	24.2	285	P	09 32 23.9	− 0.4		
WHN	24.9	259	PD	09 32 31.2	0.7		
BTO	25.4	284	EP	09 32 35.0	− 0.8		
XAN	27.8	271	EP	09 32 57.3	0.0		
			LN	Ms=4.5		13.0	0.9
GYA	32.8	259	P	09 33 41.4	− 0.3		
GTA	33.4	285	P	09 33 48.2	1.5		
			LE	Ms=4.8		15.0	1.3
WMQ	41.3	295	EP	09 34 53.4	0.0		
1984 2 12							
O=20 01 23.4			+/− 0.13 SEC				
LAT=5.82 N			+/− 2.25 KM				
LONG=125.52 E			+/− 3.14 KM				
DEPTH=67 KM			+/− 0.03 KM				
Ms(CHINA)=4.7/18, mb(NEIS)=5.2							
STATIONS USED=85, STAND DEV=2.07 SEC							
QZN	20.1	312	EP	20 05 55.7	0.9		
			PmZ			3.5	0.8
			AP	20 06 09.0	0.4		
			IS	20 09 40.0	7.5		
			SmN			10.0	3.7
			SmE			11.0	2.0
QZH	20.1	341	IPR	20 05 56.0	1.2		
			PmZ			6.0	2.2
			AP	20 06 10.0	1.4		
			ES	20 09 37.0	4.5		
			IS	20 09 46.0			
			SmE			10.0	2.3
			LE	Ms=4.7		23.0	3.6
GZH	20.8	326	IPC	20 06 03.0	1.4		
			S	20 09 53.0	8.0		
			SmN			10.0	2.5
			SmE			12.0	1.6
SSE	25.5	351	EP	20 06 47.5	0.3		
			AP	20 07 04.5	2.1		
			ES	20 11 06.0	− 1.3		
WHN	26.7	338	EP	20 07 00.0	1.0		
NJ2	26.8	347	PC	20 07 00.0	0.2		
			AP	20 07 18.0	2.8		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S	20 11 25.0	− 4.6		
			LE	Ms=4.4		13.0	0.8
GYA	27.3	320	PU	20 07 05.0	0.8		
			AP	20 07 22.0	2.5		
			S	20 11 37.0	− 0.5		
			LN	Ms=4.7		13.0	1.3
KMI	29.1	313	PC	20 07 21.5	1.3		
			AP	20 07 39.0	3.5		
			S	20 12 13.0	6.9		
			S=E			7.0	0.3
			LN	Ms=4.3		14.0	0.5
TIA	31.2	346	PD	20 07 38.4	− 0.6		
			SCP	20 14 07.8	0.2		
			ES	20 12 38.5	− 1.0		
			XS	20 13 09.0	2.5		
			LN	Ms=4.7		12.0	0.6
			LE			13.0	1.0
XAN	32.0	333	PC	20 07 45.1	− 1.0		
			PP	20 08 46.0	− 7.7		
			ES	20 12 38.0	−14.3		
			XS	20 13 21.0	1.6		
			LN	Ms=4.7		8.0	0.6
CD2	32.3	323	EPD	20 07 49.0	0.8		
			P=Z			1.2	0.2
			ES	20 12 56.0	0.0		
			LE	Ms=4.8		9.0	0.9
DL2	33.1	354	PD	20 07 55.4	− 0.2		
			AP	20 08 12.5	1.0		
			XP	20 08 20.0	0.4		
			ES	20 13 09.3	0.0		
			LE	Ms=4.9		15.0	1.6
TIY	33.9	341	EP	20 08 02.5	0.0		
			AP	20 08 17.0	− 1.3		
			ES	20 13 22.0	0.3		
			PCS	20 14 19.0	− 5.1		
			LE	Ms=4.4		13.0	0.4
BJI	35.1	347	EPU	20 08 12.0	− 0.5		
			EPP	20 09 30.5	− 1.3	− 1.3	
			ES	20 13 40.0	0.2		
			EXS	20 14 15.0	7.9		
			LN	Ms=4.3		12.0	0.3
SNY	35.9	357	PU	20 08 19.0	− 0.4		
			ES	20 13 52.0	− 0.2		
			XS	20 14 24.0	4.4		
			SCS	20 18 31.4	3.5		
			LN	Ms=4.9		21.0	1.2

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE			28.0	2.2
LZH	36.1	329	P	20 08 22.0	0.7		
			AP	20 08 40.0	2.8		
			XP	20 08 48.0	2.8		
			ES	20 14 05.0	9.3		
			SCP	20 14 20.0	− 4.7		
			LN	Ms=5.2		9.0	1.6
			LE			9.0	0.9
HHC	37.0	342	EP	20 08 30.0	0.8		
BTO	37.3	340	EP	20 08 31.0	− 0.4		
CN2	37.8	359	PC	20 08 34.8	− 0.8		
			P=Z			3.0	0.2
			EAP	20 08 52.0	0.3		
			PP	20 10 07.0	1.8		
			PCP	20 10 51.0	0.1		
			ES	20 14 20.0	− 1.7		
			SCP	20 14 30.0	− 1.1		
			SS	20 16 60.0	0.2		
			SCS	20 18 38.0	− 0.7		
			LE	Ms=5.0		18.0	2.2
MDJ	38.8	4	PC	20 08 45.0	1.3		
LSA	40.2	310	P	20 08 56.9	1.4		
GTA	40.7	328	P	20 08 60.0	0.4		
			AP	20 09 17.0	1.4		
			PP	20 10 37.5	0.7		
			SCP	20 14 42.8	0.7		
			ES	20 15 04.0	− 1.1		
			XS	20 15 35.0	2.4		
			SCS	20 18 54.1	− 1.3		
			LN	Ms=4.5		16.0	0.6
WMQ	50.3	324	PC	20 10 15.5	− 0.6		
KSH	55.7	314	EP	20 10 56.0	0.1		
			ES	20 18 36.0	0.0		

1984 2 13

O=04 48 57.3 +/− 0.07 SEC
LAT=25.46 N +/− 1.13 KM
LONG=122.46 E +/− 0.70 KM
DEPTH=274 KM +/− 0.76 KM
mb(NEIS)=5.5, ML(CHINA)=5.3/9
STATIONS USED=110. STAND DEV=1.28 SEC

QZH	3.5	262	IPD	04 49 56.3	− 1.3		
			P=Z			0.6	0.8
			IS	04 50 40.8	− 3.8		
			S=N	ML=5.3		1.7	11.0
			S=E			1.4	6.3

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
SSE	5.7	349	IPC	04 50 23.6	0.2		
			PmN			1.0	1.1
			PmZ			1.2	2.1
			IS	04 51 30.5	− 0.1		
			SmN	ML =5.6		6.0	2.6
			SmE			6.0	7.0
NJ2	7.3	335	PD	04 50 43.0	0.3		
			PmZ			3.0	7.3
			XP	04 51 35.0	− 4.0		
			S	04 52 05.0	− 0.3		
GZH	8.6	256	PC	04 50 58.9	− 0.8		
			S	04 52 28.4	− 7.3		
			LN			2.5	3.2
			LE			3.0	2.3
WHN	8.8	307	IPC	04 51 02.0	0.7		
TIA	11.7	338	PD	04 51 38.1	0.8		
			XP	04 52 42.0	2.1		
			S	04 53 49.5	5.9		
			SmN			7.0	5.4
			SmE			6.0	4.1
			ESCS	05 03 46.4	3.3		
			LN			8.0	1.1
			LE			8.0	2.1
QZN	13.3	243	P	04 51 58.6	0.8		
			S	04 54 26.5	5.9		
			SmN			8.0	1.9
			SmE			9.0	1.3
DL2	13.4	357	IPR	04 52 01.5	2.4		
			S	04 54 26.0	3.0		
			SmN			6.0	3.0
			SmE			8.0	5.4
GYA	14.2	277	PU	04 52 10.0	0.8		
			S	04 54 43.0	1.7		
			SCS	05 03 53.0	4.0		
			LN			9.0	2.1
XAN	14.5	309	PC	04 52 13.0	0.5		
			PmZ			4.0	1.7
			XP	04 53 19.8	0.9		
			IS	04 54 52.0	4.6		
			SmN			10.0	3.7
			SmE			7.0	4.2
			LE			10.0	0.9
TIY	14.9	327	P	04 52 17.4	0.4		
			PmZ			1.1	0.7
			S	04 55 02.0	6.6		
			SmN			7.0	4.5
BJI	15.5	341	EP	04 52 23.0	− 0.4		
			PmN			5.0	1.0
			PmE			4.0	0.3
			PmZ			4.5	1.0
			EXP	04 53 25.5	− 5.8		
			S	04 55 13.0	5.4		
			SmN			6.0	3.1
			SmE			7.0	2.0
			ESCS	05 03 55.5	3.3		
SNY	16.4	2	EP	04 52 32.1	− 1.3		
			XP	04 53 42.0	− 1.0		
			S	04 55 29.0	2.7		
			SmN			14.0	1.2
			SmE			19.0	1.5
			SCS	05 03 55.4	0.8		
CD2	17.3	292	P	04 52 43.0	− 1.1		
			XP	04 53 52.0	− 3.9		
			S	04 55 48.0	1.8		
			LE			7.0	2.2
HHC	17.8	332	PU	04 52 50.5	1.4		
			XP	04 54 03.0	1.0		
			S	04 56 01.0	5.4		
			SmN			5.0	3.0
KMI	17.8	273	IPU	04 52 50.0	0.7		
			AP	04 54 11.0			
			ES	04 56 02.0	6.0		
			SmE			7.0	1.7
BTO	18.3	328	EP	04 52 53.0	− 1.1		
			XP	04 54 06.0	− 2.3		
			S	04 56 08.0	3.1		
			SmN			5.5	3.3
			SmE			5.0	1.5
CN2	18.5	6	PD	04 52 54.2	− 1.2		
			PmZ			4.0	2.0
			XP	04 54 08.0	− 2.0		
			S	04 56 04.0	− 3.3		
			SmN			7.0	1.9
			SmE			7.0	1.4
			SCS	05 04 03.0	2.1		
LZH	19.2	307	P	04 53 02.5	− 0.1		
			PmZ			1.5	0.4
			XP	04 54 17.0	− 1.8		
			S	04 56 24.5	3.9		
			SmE			5.0	0.3
			SCS	05 04 09.0	5.9		
MDJ	20.0	15	EP	04 53 10.8	0.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			IS	04 56 40.0	4.9		
			S mN			10.0	2.6
GTA	23.6	311	P	04 53 44.4	− 0.9		
			S	04 57 35.0	− 2.1		
			LN			9.0	2.2
			LE			8.0	1.4
LSA	28.0	285	P	04 54 26.2	− 0.1		
			ES	04 58 48.2	− 1.8		
			S mN			8.0	1.4
			S mE			7.0	1.2
			XS	05 00 23.7	1.0		
			SCS	05 04 42.7	4.8		
WMQ	33.6	311	PC	04 55 14.0	− 0.8		
			P mZ			2.0	0.3
			PCP	04 57 49.0	1.3		
			S	05 00 16.0	− 1.0		
			S mE			2.5	0.09
			SCS	05 05 08.0	2.4		

1984 2 13
O = 08 34 17.7 +/− 0.15 SEC
LAT = 38.30 N +/− 2.25 KM
LONG = 134.24 E +/− 2.18 KM
DEPTH = 413 KM +/− 2.28 KM
mb(NEIS) = 4.6
STATIONS USED = 68, STAND DEV = 2.57 SEC

MDJ	7.2	332	IPC	08 36 05.7	0.7		
			IS	08 37 34.0	4.4		
			S mN			5.0	1.2
CN2	8.6	312	IPC	08 36 21.4	0.4		
			P mZ			2.0	0.3
			S	08 37 57.0	− 1.3		
			S mN			3.0	0.6
			S mE			3.0	0.6
SNY	8.9	296	EP	08 36 25.6	1.4		
			P mZ			1.0	0.6
			S	08 38 03.5	− 0.6		
			S mN			5.0	1.2
			S mE			4.0	2.9
DL2	9.9	277	PR	08 36 36.6	1.0		
			ES	08 38 24.0	− 0.8		
			S mN			7.0	3.5
			S mE			6.0	0.8
SSE	12.9	240	PD	08 37 09.5	− 0.5		
			P mE			1.3	0.2
TIA	13.8	266	PD	08 37 18.8	− 0.7		
NJ2	14.0	248	IPR	08 37 22.0	0.0		
			P mZ			2.0	1.1
BJI	14.1	282	EP	08 37 21.0	− 1.9		
TIY	17.2	274	P	08 37 54.0	− 0.4		
WHN	18.1	250	IPC	08 38 02.8	− 0.8		
QZH	18.8	229	PC	08 38 11.4	1.1		
BTO	18.8	284	EP	08 38 09.8	− 0.9		
XAN	20.9	265	PD	08 38 29.8	− 0.4		
LZH	24.3	274	EP	08 39 00.5	− 1.4		
			P mZ			1.2	0.2
GYA	26.0	251	PD	08 39 16.4	− 1.1		
CD2	26.1	262	EP	08 39 16.4	− 1.6		
GTA	26.7	283	IPD	08 39 23.3	− 0.7		
			S	08 43 25.9	− 3.9		
			S mE			1.2	0.02
			SCS	08 49 25.2	0.6		
QZN	28.6	234	P	08 39 42.2	1.9		
WMQ	35.2	294	P	08 40 36.1	− 0.4		

1984 2 13
O = 09 40 24.8 +/− 0.12 SEC
LAT = 34.39 N +/− 2.61 KM
LONG = 139.89 E +/− 2.23 KM
DEPTH = 106 KM +/− 1.16 KM
mb(NEIS) = 5.2
STATIONS USED = 65, STAND DEV = 2.34 SEC

MDJ	12.9	325	PD	09 43 26.6	0.7		
CN2	14.6	314	PC	09 43 48.2	0.6		
			P mZ			4.0	0.4
			ES	09 46 32.0	4.7		
			EXS	09 47 10.0			
			LE			12.0	0.8
SNY	14.8	304	IPR	09 43 52.0	1.7		
			P mZ			14.0	0.6
			S	09 46 38.0	5.8		
			LN			30.0	1.2
			LE			32.0	0.8
DL2	15.3	292	EP	09 43 58.5	1.7		
			ES	09 46 50.2	6.2		
			LN			10.0	0.6
SSE	16.1	263	EP	09 44 07.5	1.4		
NJ2	17.8	268	PC	09 44 27.0	0.3		
			LN			11.0	0.3
TIA	18.7	282	EP	09 44 36.7	− 0.5		
BJI	19.7	293	E(P)	09 44 45.0	− 3.2		
WHN	21.9	267	EP	09 45 09.2	− 1.0		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
TIY	22.4	286	EP	09 45 14.8	− 0.9		
			S	09 49 20.0	9.8		
			LE			13.0	0.4
HHC	23.3	294	PD	09 45 25.0	0.8		
BTO	24.4	293	EP	09 45 35.7	0.6		
XAN	25.6	278	EP	09 45 44.0	− 1.9		
LZN	29.4	283	EP	09 46 18.0	− 2.7		
GYA	29.6	263	P	09 46 20.4	− 2.3		
CD2	30.5	273	EP	09 46 28.0	− 2.6		
GTA	32.3	290	P	09 46 44.8	− 1.0		
WMQ	41.0	299	P	09 48 00.0	0.7		
			P_mZ			1.5	0.2
			S	09 54 05.6	2.0		
			S_mE			2.5	0.2

1984 2 13
O=16 52 59.8 +/− 0.09 SEC
LAT=35.44 N +/− 1.79 KM
LONG=139.19 E +/− 1.61 KM
DEPTH=53 KM +/− 1.06 KM
Ms(CHINA)=4.6/17, Msz (NEIS) =4.8, mb(NEIS)=5.3
STATIONS USED=73, STAND DEV=1.63 SEC

MDJ	11.7	324	EP	16 55 48.0	0.7		
			PP	16 55 59.0	2.0		
			S	16 57 56.0	− 1.8		
			LE	Ms=4.4		14.0	2.2
CN2	13.5	312	EP	16 56 10.0	− 0.3		
			I	16 56 21.5			
			LE	Ms=4.3		15.0	1.8
SNY	13.8	302	IPD	16 56 16.1	2.1		
			LN	Ms=4.3		12.0	0.9
			LE			14.0	1.2
DL2	14.4	289	EP	16 56 24.5	1.8		
			ES	16 58 56.5	− 5.3		
			LN	Ms=4.6		10.0	0.6
			LE			15.0	3.0
NJ2	17.2	264	PC	16 57 01.4	2.8		
			P_mZ			4.0	0.8
			S	17 00 15.0	4.5		
			LN	Ms=4.2		12.0	0.8
TIA	17.9	278	EP	16 57 07.5	0.6		
			P_mE			6.0	1.0
			LN	Ms=4.7		12.0	1.0
			LE			13.0	2.3
BJI	18.8	291	EP	16 57 15.5	− 1.6		
			P_mZ			1.5	0.2
			ES	17 00 41.0	− 3.4		
			LN	Ms=4.2		12.0	0.6
			LE			10.5	0.3
WHN	21.4	263	EP	16 57 46.0	1.0		
TIY	21.6	283	EP	16 57 46.0	− 1.2		
			ES	17 01 31.0	− 7.3		
			LN	Ms=4.6		13.0	1.7
HHC	22.3	292	EP	16 57 54.0	− 0.7		
BTO	23.5	291	EP	16 58 04.2	− 1.8		
XAN	24.9	275	EP	16 58 19.0	− 0.3		
			ES	17 02 29.0	− 7.1		
			LN	Ms=4.5		12.0	1.0
GZH	25.6	248	PD	16 58 27.8	1.7		
			ES	17 02 47.0	− 1.2		
			LN	Ms=4.7		14.0	0.9
			LE			15.0	1.5
LZH	28.6	281	P	16 58 52.0	− 1.6		
			P_mZ			1.7	0.2
			LN	Ms=4.8		11.5	1.3
GYA	29.2	261	P	16 58 58.6	− 0.3		
CD2	29.9	271	EP	16 59 04.0	− 1.1		
GTA	31.3	289	EP	16 59 16.6	− 1.5		
			SS	17 06 13.6	5.3		
			LE	Ms=4.5		14.0	0.7
KMI	32.9	261	PC	16 59 31.5	− 0.7		
			ES	17 04 41.0	− 4.8		
			S_mN			6.0	0.3
WMQ	40.0	298	PD	17 00 31.9	0.6		
LSA	40.6	275	PC	17 00 37.6	1.0		

1984 2 13
O=18 05 51.2 +/− 0.10 SEC
LAT=55.76 N +/− 2.74 KM
LONG=154.44 W +/− 1.67 KM
DEPTH=32 KM +/− 0.53 KM
Ms(CHINA)=5.3/12, Msz (NEIS)=4.8, mb(NEIS)=4.9
STATIONS USED=54, STAND DEV=1.69 SEC

MDJ	47.5	290	EP	18 14 26.0	0.1		
CN2	50.3	291	PC	18 14 45.0	− 2.1		
			ES	18 21 54.0	− 2.5		
			LN	Ms=5.3		15.0	1.4
			LE			15.0	1.8
SNY	52.6	291	EP	18 15 05.0	0.1		
			ES	18 22 35.0	6.1		
			LN	Ms=5.2		14.0	0.8
			LE			11.0	1.1

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
BJI	57.8	294	EP	18 15 41.5	− 0.7		
			LN	Ms=5.2		12.5	1.1
			LE			10.5	0.5
HHC	59.5	298	EP	18 15 54.8	0.4		
TIA	60.2	291	EP	18 15 58.0	− 0.8		
			ES	18 24 16.0	7.2		
			LN	Ms=5.0		14.0	0.8
BTO	60.5	299	EP	18 15 60.0	− 0.9		
			ES	18 24 18.5	5.7		
			LN	Ms=5.6		12.0	2.3
			LE			11.0	1.2
TIY	61.4	295	EP	18 16 08.0	0.4		
			LN	Ms=5.3		11.0	1.3
NJ2	62.4	286	EP	18 16 12.8	− 1.1		
			LN	Ms=5.2		11.0	0.8
WHN	66.0	289	EP	18 16 38.0	0.7		
XAN	66.1	295	EP	18 16 38.0	0.0		
GTA	66.3	305	P	18 16 38.6	− 0.5		
			LN	Ms=5.4		13.5	1.8
LZH	67.0	300	EP	18 16 44.0	0.1		
WMQ	67.8	316	P	18 16 49.0	0.2		
CD2	71.2	297	EP	18 17 10.0	0.3		
GYA	73.3	292	P	18 17 24.6	2.3		
			S	18 26 52.0	3.8		
			LN	M_S=5.3		15.0	1.2
KMI	76.4	294	EP	18 17 40.5	0.1		
			ES	18 27 26.0	2.9		
			S_mN			6.0	0.3
LSA	78.3	305	EP	18 17 52.0	1.1		
			ES	18 27 48.0	4.6		
			LN	Ms=5.4		13.0	1.0
			LE			13.0	0.8

1984 2 14
O=00 09 45.1 +/− 0.20 SEC
LAT=24.61 S +/− 2.81 KM
LONG=175.99 W +/− 2.83 KM
DEPTH=71 KM +/− 1.46 KM
mb(NEIS)=5.0
STATIONS USED=33, STAND DEV=1.99 SEC

NJ2	83.9	309	PD	00 22 10.0	0.6		
			ES	00 32 33.0	6.5		
			S_mE			10.0	0.2
MDJ	84.9	324	PC	00 22 14.2	− 0.3		
DL2	86.0	316	EP	00 22 19.0	− 0.6		
WHN	86.4	305	EP	00 22 22.0	0.5		
SNY	86.5	319	EP	00 22 21.3	− 1.1		
CN2	86.7	321	PC	00 22 22.0	− 1.1		
			ES	00 32 59.0	5.6		
			LN			17.0	0.7
BJI	90.1	314	E(P)	00 22 38.0	− 1.4		
GYA	90.3	298	P	00 22 40.6	0.2		
TIY	91.4	311	EP	00 22 45.8	0.3		
			LN			15.0	0.6
XAN	92.1	306	EP	00 22 49.0	0.3		
KMI	92.8	296	PC	00 22 53.5	1.1		
CD2	94.5	301	EP	00 23 00.0	0.1		

1984 2 14
O=02 30 31.2 +/− 0.10 SEC
LAT=20.33 N +/− 2.01 KM
LONG=122.32 E +/− 1.72 KM
DEPTH=17? KM +/− 1.56 KM
mb(NEIS)=4.5, ML(CHINA)=4.2/5
STATIONS USED=18, STAND DEV=2.07 SEC

QZH	5.7	323	EP	02 31 42.6	− 3.1		
			S	02 32 41.5	− 9.6		
			S_mN	ML=4.1		0.3	0.1
			S_mE			0.5	0.2
GZH	8.8	289	P	02 32 24.4	− 1.5		
			S	02 33 60.0	− 3.3		
			LN			0.8	0.04
			LE			1.0	0.04
QZN	11.8	265	EP	02 33 05.9	0.2		
GYA	15.6	295	P	02 33 54.0	0.4		
XAN	18.1	321	EP	02 34 21.6	− 1.4		
CD2	19.7	305	P	02 34 40.2	0.1		
CN2	23.5	5	EP	02 35 17.4	0.0		

1984 2 14
O=07 10 02.6 +/− 0.07 SEC
LAT=30.75 N +/− 0.86 KM
LONG=157.16 W +/− 0.73 KM
DEPTH=11 KM +/− 0.20 KM
mb(NEIS)=5.0
STATIONS USED=21, STAND DEV=0.73 SEC

MDJ	57.8	306	EP	07 19 57.0	0.2		
CN2	60.9	305	EP	07 20 16.3	− 1.9		
SNY	62.7	304	PC	07 20 30.9	0.0		
BJI	68.6	304	EP	07 21 08.0	− 0.7		
TIA	69.4	300	EP	07 21 12.8	− 0.9		
NJ2	69.8	295	PD	07 21 17.0	1.1		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
XAN	76.4	301	EP	07 21 54.8	− 0.2		
GTA	80.1	309	IPC	07 22 16.5	1.1		
1984 2 14							
O = 23 06 51.5			+/− 0.04 SEC				
LAT = 28.98 N			+/− 1.47 KM				
LONG = 139.54 E			+/− 1.05 KM				
DEPTH = 416 KM			+/− 0.89 KM				
mb(NEIS) = 4.5							
STATIONS USED = 37, STAND DEV = 0.82 SEC							
SSE	16.0	282	EP	23 10 15.8	− 0.3		
MDJ	17.5	335	EP	23 10 31.0	0.1		
NJ2	18.1	284	PC	23 10 36.7	− 0.1		
SNY	18.2	318	PD	23 10 38.4	0.2		
			P_mZ			0.8	0.3
			S	23 13 47.8	6.3		
CN2	18.6	326	EP	23 10 41.5	− 0.3		
WHN	21.9	280	EP	23 11 15.0	1.2		
BJI	22.1	306	EP	23 11 15.0	− 0.7		
XAN	26.5	288	PD	23 11 55.1	− 0.5		
GYA	29.2	272	P	23 12 19.0	0.2		
LZH	30.8	292	EP	23 12 32.5	− 0.5		
CD_2	31.0	282	EP	23 12 35.0	0.5		
KMI	32.9	272	EP	23 12 52.3	1.1		
GTA	34.2	298	IPD	23 13 02.2	0.0		
WMQ	43.6	304	P	23 14 19.3	0.6		
1984 2 15							
O = 04 47 29.5			+/− 0.19 SEC				
LAT = 4.43 N			+/− 3.80 KM				
LONG = 62.54 E			+/− 1.68 KM				
DEPTH = 11 KM			+/− 0.18 KM				
Ms(CHINA) = 5.1/10, Msz(NEIS) = 5.0, mb(NEIS) = 5.1							
STATIONS USED = 31, STAND DEV = 1.42 SEC							
LSA	36.9	43	EP	04 54 42.4	1.1		
			S	05 00 30.4	3.9		
			LN	Ms = 4.9		15.0	1.0
			LE			15.0	0.9
KMI	43.7	57	EP	04 55 40.0	2.7		
WMQ	45.1	25	EP	04 55 51.4	3.4		
QZN	48.4	68	EP	04 56 18.0	4.1		
			S	05 03 19.0	5.5		
			S_mE			16.0	1.4
GTA	48.5	38	EP	04 56 15.3	0.5		
			S	05 03 20.0	4.9		
			LN	Ms = 5.4		17.0	2.0
			LE			17.0	2.7
XAN	52.1	49	EP	04 56 42.1	− 0.6		
			S	05 04 07.0	1.1		
WHN	55.2	55	E(P)	04 57 05.0	− 0.4		
TIY	56.2	46	EP	04 57 12.0	− 0.7		
			ES	05 04 58.0	− 3.0		
			LE	Ms = 4.9		15.0	0.8
TIA	59.2	50	EP	04 57 32.6	− 0.9		
			ES	05 05 42.5	2.6		
			LN	Ms = 5.1		16.0	0.7
			LE			16.0	0.9
NJ2	59.3	55	PC	04 57 34.6	0.0		
			S	05 05 40.0	− 1.8		
			LE	Ms = 5.2		19.0	1.6
BJI	59.8	45	EP	04 57 36.0	− 1.8		
			ES	05 05 46.0	− 1.9		
			LN	Ms = 5.2		17.0	1.2
			LE			16.0	0.9
SNY	65.7	45	EP	04 58 16.5	− 0.4		
			S	05 07 04.0	2.2		
			LN	Ms = 5.1		16.0	0.7
			LE			20.0	0.9
CN_2	67.6	44	PR	04 58 25.5	− 3.4		
			ES	05 07 21.5	− 3.1		
			LE	Ms = 5.0		13.0	0.6
MDJ	70.6	44	EP	04 58 47.5	− 0.5		
1984 2 15							
O = 05 55 54.2			+/− 0.13 SEC				
LAT = 24.27 N			+/− 1.83 KM				
LONG = 122.49 E			+/− 1.28 KM				
DEPTH = 41 KM			+/− 1.14 KM				
Ms(CHINA) = 4.0/10, ML(CHINA) = 4.2/7							
STATIONS USED = 38, STAND DEV = 1.87 SEC							
QZH	3.6	281	EP	05 56 48.0	− 1.2		
			S	05 57 26.8	− 4.4		
			S_mN	ML = 4.0		0.3	0.5
			S_mE			0.3	0.4
			LN	Ms = 4.1		5.0	1.8
SSE	6.9	350	PC	05 57 35.1	− 0.4		
			P_mN			0.8	0.2
			P_mZ			0.8	0.2
			LG_2	05 59 37.4	− 4.5		
			LN	Ms = 3.8		14 0	1.0
NJ2	8.4	338	PC	05 57 54.8	− 1.5		
			ES	05 59 29.1	− 1.7		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LN	Ms=3.9		10.0	0.9
GZH	8.5	263	EP	05 57 54.5	− 2.8		
			S	05 59 19.0	−13.6		
			LN			1.1	0.2
			LE			1.1	0.1
TIA	12.8	339	EP	05 58 55.2	− 0.8		
			LG_2	06 02 49.2	− 6.4		
			LN	Ms=4.0		11.0	0.5
			LE			11.0	0.4
QZN	12.9	248	EP	05 59 01.1	3.9		
GYA	14.5	282	EP	05 59 18.6	0.1		
			ES	06 02 02.6	3.9		
XAN	15.3	312	EP	05 59 33.0	3.5		
TIY	15.9	329	EP	05 59 41.0	3.8		
			LN	Ms=4.2		13.0	0.9
BJI	16.6	342	E(P)	05 59 44.0	− 1.7		
			LN	Ms=3.9		12.5	0.4
SNY	17.5	2	EP	06 00 00.0	2.6		
CD2	17.9	295	EP	06 00 02.6	1.0		
CN2	19.6	6	EP	06 00 21.7	− 0.7		
			ES	06 03 55.0	− 1.3		
			LN	Ms=4.1		14.0	0.7
LZH	19.9	310	EP	06 00 26.5	0.8		
GTA	24.4	313	EP	06 01 11.0	0.8		

1984 2 15
O=10 49 46.9 +/− 0.18 SEC
LAT=40.03 N +/− 4.02 KM
LONG=67.56 E +/− 2.46 KM
DEPTH=23 KM +/− 0.18 KM
Ms(CHINA)=4.7/9, MszNEIS)=4.7, mb(NEIS)=5.2
STATIONS USED=67, STAND DEV=2.79 SEC

WMQ	15.5	69	PC	10 53 24.5	− 1.1		
			LN			3.0	1.0
			LE			2.5	0.6
LSA	21.9	110	IPC	10 54 42.3	1.5		
			S	10 58 42.3	5.2		
			LN	Ms=4.4		13.0	1.0
GTA	24.7	80	IPC	10 55 09.4	0.7		
LZH	28.7	86	EP	10 55 45.0	− 0.3		
CD2	30.7	95	EP	10 56 03.0	0.3		
KMI	32.9	106	PC	10 56 22.0	− 0.6		
			ES	11 01 37.0	− 1.7		
HHC	33.2	74	EP	10 56 25.0	− 0.2		
XAN	33.3	87	EP	10 56 24.8	− 1.1		
TIY	34.7	79	EP	10 56 37.6	− 0.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LN	Ms=4.6		11.0	0.6
GYA	35.1	100	P	10 56 40.8	− 0.5		
BJI	36.8	73	EP	10 56 56.0	0.2		
TIA	38.8	79	EP	10 57 12.1	0.1		
			ES	11 03 07.0	− 1.4		
			LN	Ms=4.7		12.0	0.4
			LE			12.0	0.5
WHN	39.0	89	EP	10 57 13.5	− 0.1		
SNY	41.7	68	EP	10 57 36.1	− 0.2		
NJ2	41.7	84	PD	10 57 36.8	0.2		
			ES	11 03 54.0	1.3		
			LE	Ms=4.5		12.0	0.4
CN2	42.5	65	PC	10 57 42.0	− 0.7		
			P_mZ			4.0	0.3
			ES	11 04 02.0	− 1.6		
			LE	Ms=4.8		10.0	0.7
SSE	44.0	84	EP	10 57 54.4	− 0.2		
MDJ	45.1	62	EP	10 58 03.2	− 0.8		

1984 2 15
O=11 16 55.9 +/− 0.11 SEC
LAT=40.07 N +/− 3.70 KM
LONG=67.45 E +/− 1.31 KM
DEPTH=32 KM +/− 0.78 KM
mb(NEIS)=4.7
STATIONS USED=16, STAND DEV=1.75 SEC

KSH	6.6	92	EPN	11 18 31.0	− 2.5		
			ESN	11 19 48.0	− 0.7		
WMQ	15.5	69	EP	11 20 32.6	− 1.8		
			LN	Ms=4.2		2.5	0.1
LSA	22.0	110	P	11 21 49.7	0.2		
GTA	24.8	80	P	11 22 16.6	− 0.6		

1984 2 15
O=13 38 41.1 +/− 0.08 SEC
LAT=46.02 N +/− 2.56 KM
LONG=152.74 E +/− 1.66 KM
DEPTH=42 KM +/− 0.63 KM
Ms(CHINA)=4.1/2, mb(NEIS)=5.1
STATIONS USED=52, STAND DEV=1.33 SEC

MDJ	16.3	273	EP	13 42 29.8	0.6		
CN2	19.4	273	EP	13 43 06.0	− 0.9		
			ES	13 46 36.0	− 2.4		
			LN	Ms=4.1		13.0	0.6
SNY	21.4	269	EP	13 43 26.6	− 0.5		
			ES	13 47 18.0	1.0		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE	Ms=4.1		18.0	0.7
BJI	27.2	270	E(P)	13 44 22.5	− 0.9		
TIA	28.4	262	EP	13 44 34.0	0.3		
NJ2	29.5	253	PC	13 44 44.8	0.6		
HHC	30.1	275	EP	13 44 49.0	− 0.3		
TIY	30.9	268	P	13 44 56.6	0.4		
WHN	33.5	256	P	13 45 19.2	0.2		
XAN	35.2	265	EP	13 45 33.6	− 0.1		
LZH	37.7	272	PC	13 45 55.5	0.9		
GTA	38.8	279	EP	13 46 04.8	0.5		
CD2	40.6	265	EP	13 46 19.8	1.2		
GYA	41.3	257	P	13 46 25.6	0.8		
KMI	44.9	259	EP	13 46 55.0	1.2		
WMQ	45.0	291	EP	13 46 54.5	0.1		
LSA	50.1	273	P	13 47 35.9	1.2		

1984 2 15
O=14 39 02.7 +/− 0.06 SEC
LAT=13.65 N +/− 1.31 KM
LONG=120.96 E +/− 1.80 KM
DEPTH=201 KM +/− 1.46 KM
mb(NEIS)=4.7
STATIONS USED=34, STAND DEV=1.18 SEC

SSE	17.4	0	E(P)	14 42 54.1	− 0.1		
			P_mZ			1.0	0.02
NJ2	18.4	354	PC	14 43 06.4	1.0		
GYA	18.5	315	P	14 43 06.6	0.2		
KMI	20.6	306	EP	14 43 29.0	1.0		
TIA	22.7	351	EP	14 43 48.5	0.0		
XAN	23.1	333	EP	14 43 48.5	− 3.2		
CD2	23.4	320	EP	14 43 54.6	0.0		
BJI	26.6	351	EP	14 44 23.0	− 1.8		
			LN			18.0	1.1
LZH	27.1	328	PC	14 44 29.5	− 0.1		
			P_mZ			1.6	0.09
CN2	30.3	6	EP	14 44 55.6	− 2.0		
GTA	31.7	327	P	14 45 09.8	− 0.4		
LSA	31.8	304	P	14 45 11.9	0.2		
WMQ	41.4	323	EP	14 46 32.0	0.6		

1984 2 15
O=18 26 12.0 +/− 0.14 SEC
LAT=20.72 S +/− 0.92 KM
LONG=169.65 E +/− 1.01 KM
DEPTH=89 KM +/− 1.03 KM
mb(NEIS)=5.0

STA. CODE	△ deg	AZ deg	PHASE	UTGC h m s	RESID sec	T sec	A μ
STATIONS USED=37, STAND DEV=1.15 SEC							
DL2	74.4	322	EP	18 37 43.0	0.1		
MDJ	74.6	331	EP	18 37 42.5	− 1.4		
TIA	75.3	318	EP	18 37 47.9	0.0		
SNY	75.4	326	EP	18 37 48.4	− 0.2		
CN2	75.9	328	EP	18 37 49.2	− 2.2		
GYA	77.0	304	P	18 37 58.4	0.8		
BJI	78.3	320	EP	18 38 05.0	0.2		
KMI	79.4	301	EP	18 38 12.5	1.6		
HHC	81.6	319	E(P)	18 38 23.0	0.5		
LZH	84.0	312	EP	18 38 36.0	1.2		
GTA	88.4	313	IPD	18 38 57.2	0.8		

1984 2 15
O=21 57 01.7 +/− 0.09 SEC
LAT=40.93 N +/− 2.52 KM
LONG=71.05 E +/− 2.55 KM
DEPTH=19 KM +/− 2.01 KM
Ms(CHINA)=5.0/16, Msz(NEIS)=4.7
mb(NEIS)=5.0, ML(CHINA)=5.4/2
STATIONS USED=33, STAND DEV=1.39 SEC

KSH	4.1	109	PND	21 58 05.8	1.3		
			SG	21 59 08.8	0.0		
			S_mN	ML=5.3		1.0	5.8
			S_mE			1.0	5.4
WMQ	12.6	71	EP	22 00 04.4	0.6		
			LG_1	22 03 37.0	− 1.8		
			LG_2	22 03 54.0	− 4.8		
			LN			2.0	0.9
			LE			2.0	0.9
LSA	19.8	118	EP	22 01 35.7	0.9		
			S	22 05 18.1	5.7		
			S_mN			8.0	0.7
			S_mE			8.0	0.8
			LN	Ms=4.6		10.0	1.0
			LE			8.0	0.8
GTA	22.0	84	IPC	22 01 57.4	0.4		
			S	22 05 55.0	0.7		
			LE			12.0	3.0
LZH	26.0	90	EP	22 02 36.0	0.0		
			LN	Ms=4.9		10.0	1.4
			LE			10.0	0.7
CD2	28.2	100	EP	22 02 56.2	0.7		
			LN	Ms=5.0		8.5	1.4
			LE			10.0	1.5
XAN	30.7	90	EP	22 03 16.8	− 0.8		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LN	Ms=5.0		12.0	2.1
			LE			12.0	1.0
KMI	30.7	111	EP	22 03 18.5	0.4		
			ES	22 08 23.0	3.8		
			LN	Ms=4.6		10.0	0.8
TIY	32.0	82	EP	22 03 29.0	− 0.2		
			S	22 08 45.0	6.0		
			LE	Ms=5.0		9.0	1.5
GYA	32.7	104	P	22 03 35.2	− 0.6		
BJI	34.0	76	E(P)	22 03 45.5	− 1.7		
TIA	36.0	82	EP	22 04 04.0	0.0		
			ES	22 09 41.0	− 0.6		
			LN	Ms=4.9		12.0	0.9
			LE			12.0	0.8
NJ2	39.0	87	PD	22 04 29.8	0.5		
			ES	22 10 27.0	− 0.7		
			LN	Ms=5.1		12.0	1.2
			LE			12.0	1.0
CN2	39.7	67	EP	22 04 34.0	− 0.8		
			ES	22 10 34.0	− 3.6		
			LE	Ms=5.1		9.0	1.2
SSE	41.2	87	PC	22 04 48.0	0.4		
			P_mZ			0.8	0.02
			LN	Ms=4.8		11.0	0.7

1984 2 15

O=23 29 08.6 +/− 0.21 SEC
LAT=21.64 N +/− 3.11 KM
LONG=119.40 E +/− 2.25 KM
DEPTH=32 KM +/− 1.07 KM
ML (CHINA)=2.9/2
STATIONS USED=8, STAND DEV=2.32 SEC

QZH	3.4	347	EPN	23 29 57.0	− 3.4		
			SN	23 30 41.3	1.5		
			S_mN	ML=2.9		0.7	0.04
			S_mE			0.7	0.03
			LN			9.0	0.4
GZH	5.8	285	PNC	23 30 34.8	0.3		
			SN	23 31 46.6	5.9		
			LN			1.0	0.06
			LE			0.8	0.09
QZN	9.3	255	EP	23 31 21.5	− 2.5		
CD2	16.8	306	EP	23 33 06.2	3.2		
BJJ	18.6	352	EP	23 33 22.5	− 2.6		
CN2	22.7	11	EP	23 34 10.0	1.3		
MDJ	24.4	17	EP	23 34 27.5	1.8		

1984 2 16

O=00 33 03.6 +/− 0.09 SEC
LAT=37.69 N +/− 1.07 KM
LONG=100.75 E +/− 0.84 KM
DEPTH=0 KM +/− 0.07 KM
Ms(CHINA)=4.1/3, ML (CHINA)=4.1/5
STATIONS USED=16, STAND DEV=1.43 SEC

GTA	1.9	337	PN	00 33 38.0	0.8		
			PG	00 33 40.0	2.4		
			LG	00 34 05.0			
			LE	Ms=3.9		6.0	2.7
LZH	3.0	121	PN	00 33 56.0	3.2		
			SB	00 34 38.0	2.4		
			S_m N	ML=4.4		1.0	1.7
			S_m E			1.0	1.6
XAN	7.6	116	EPN	00 34 56.6	− 1.3		
BTO	7.8	65	EPN	00 34 58.0	− 2.8		
HHC	9.0	66	P	00 35 17.2	− 0.3		
TIY	9.3	86	P	00 35 21.0	− 0.6		
			LN	Ms=4.1		9.5	1.0

1984 2 16

O=00 19 37.2 +/− 0.10 SEC
LAT=40.93 N +/− 2.87 KM
LONG=70.75 E +/− 2.91 KM
DEPTH=34 KM +/− 2.38 KM
Ms(CHINA)=4.6/2, Msz(NEIS)=3.9
mb(NEIS)=5.0
STATIONS USED=21, STAND DEV=1.78 SEC

KSH	4.3	108	EP	00 20 43.0	1.3		
			ES	00 21 32.0	0.8		
WMQ	12.9	71	EP	00 22 40.5	− 0.1		
LSA	20.0	117	EP	00 24 12.1	1.4		
			ES	00 27 55.6	6.1		
GTA	22.2	84	P	00 24 32.8	0.0		
LZH	26.2	89	EP	00 25 13.5	1.9		
CD2	28.4	100	EP	00 25 31.2	0.2		
XAN	30.9	90	EP	00 25 51.8	− 1.4		
GYA	32.9	104	EP	00 26 11.0	− 0.3		
BJI	34.3	76	EP	00 26 22.0	− 0.6		
WHN	36.5	92	EP	00 26 42.0	0.0		
NJ2	39.3	87	PD	00 27 05.2	0.5		
			LN	Ms=4.8		11.0	0.7
CN2	39.9	67	EP	00 27 09.7	− 0.3		
SSE	41.5	87	PD	00 27 23.2	0.3		
			P_mZ			1.0	0.03

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
WMQ	11.6	305	IPC	00 35 53.4	− 0.7		
BJI	12.3	74	EP	00 36 03.0	0.6		
GYA	12.3	154	EP	00 36 02.0	− 0.7		
CN2	19.7	64	PC	00 37 38.5	1.7		
			ES	00 41 08.0	− 5.4		
			LN	Ms=4.2		12.0	0.7

1984 2 16
O=11 10 11.5 +/− 0.04 SEC
LAT=39.73 N +/− 0.52 KM
LONG=118.44 E +/− 0.41 KM
DEPTH=20 KM +/− 0.00 KM
ML (CHINA)=3.4/14
STATIONS USED=9, STAND DEV=0.81 SEC

BJI	1.8	280	EPN	11 10 42.0	0.5		
			EPG	11 10 44.0	0.1		
			ESG	11 11 07.5	0.3		
			S_mN	ML=3.7		0.5	0.9
			S_mE			0.5	0.6
DL2	2.6	107	EPN	11 10 53.1	− 0.4		
			EPG	11 11 02.0	2.9		
			ESG	11 11 32.0	− 1.3		
			S_mN	ML=2.8		0.6	0.05
			S_mE			0.6	0.05
TIA	3.7	196	EPN	11 11 08.0	− 0.6		
			PG	11 11 16.5	− 1.8		
			SN	11 11 47.7	− 4.3		
			SG	11 12 03.5	− 2.9		
			S_mN	ML=3.1		0.6	0.04
			S_mE			0.6	0.05
SNY	4.4	60	EPG	11 11 31.9	− 0.3		
			SN	11 12 05.8	− 5.5		
			SG	11 12 28.2	− 2.1		
			S_mN	ML=3.6		1.0	0.1
			S_mE			1.0	0.08
TIY	5.1	248	EPG	11 11 40.4	− 4.3		
			SG	11 12 46.6	− 5.0		
			S_mN	ML=3.4		0.7	0.04
			S_mE			0.7	0.04
CN2	6.6	49	EPN	11 11 50.0	− 0.6		
			PGC	11 12 10.4	− 2.0		
			S_mN	ML=3.8		1.0	0.06
			S_mE			1.0	0.05

1984 2 16
O=12 44 14.9 +/− 0.12 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LAT=1.62 N	+/− 0.67 KM			
			LONG=127.60 E	+/− 1.09 KM			
			DEPTH=162 KM	+/− 1.32 KM			
			mb(NEIS)=4.7				
			STATIONS USED=13, STAND DEV=0.62 SEC				
GYA	31.9	322	P	12 50 28.0	0.7		
XAN	36.7	333	EP	12 51 08.0	− 0.2		
CD2	36.9	324	EP	12 51 10.4	0.8		
BJI	39.6	346	EP	12 51 32.5	− 0.2		
SNY	40.2	355	EP	12 51 36.5	− 0.8		
GTA	45.3	329	P	12 52 19.9	0.8		

1984 2 16
O=13 41 50.3 +/− 0.07 SEC
LAT=34.02 N +/− 1.53 KM
LONG=137.12 E +/− 1.36 KM
DEPTH=343 KM +/− 0.57 KM
mb(NEIS)=5.4
STATIONS USED=115, STAND DEV=1.36 SEC

MDJ	12.1	333	IPD	13 44 35.5	1.0		
			XP	13 45 53.0	2.9		
			SCP	13 52 48.0	0.2		
			S	13 46 48.5	4.1		
			S_mE			6.0	5.3
			SCS	13 56 24.5	1.9		
CN2	13.3	320	IPD	13 44 49.2	− 0.2		
			P_mZ			4.0	1.7
			XP	13 46 07.5	0.3		
			ES	13 47 12.0	0.4		
			S_mN			6.5	2.4
			S_mE			6.5	1.8
			PCP	13 49 49.0	− 1.2		
			SCP	13 52 49.2	− 0.5		
DL2	13.4	295	IPD	13 44 49.9	− 0.1		
			P_mE			4.0	1.4
			P_mZ			4.0	1.4
			XP	13 46 07.0	− 1.0		
			S	13 47 12.0	− 0.8		
			S_mN			8.0	1.1
			S_mE			6.0	1.7
			LN			8.0	2.8
			LE			10.0	2.3
SSE	13.8	262	EP	13 44 52.1	− 2.2		
			P_mZ			0.8	0.08
			S	13 47 24.0	3.3		
			LE			10.0	1.3

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
NJ2	15.5	267	PD	13 45 11.0	− 1.8		
			P_mZ			3.0	2.0
			S	13 47 51.5	− 3.8		
			SCP	13 52 54.0	0.6		
TIA	16.5	283	PD	13 45 23.7	− 0.3		
			P_mE			5.0	1.3
			E_mZ			5.0	1.0
			EXP	13 46 51.0	1.2		
			S	13 48 21.0	5.1		
			S_mN			7.0	0.8
			S_mE			7.0	0.5
			SCP	13 52 54.0	− 1.4		
			SCS	13 56 34.8	1.0		
			LN			13.0	1.3
			LE			11.0	0.8
BJI	17.8	295	PR	13 45 36.0	− 0.8		
			P_mZ			5.0	1.3
			XP	13 47 04.5	− 1.6		
			S	13 48 40.5	1.1		
			S_mN			5.0	0.9
			S_mE			5.0	0.8
			ESCS	13 56 38.5	1.1		
QZH	18.5	245	PU	13 45 42.0	− 1.9		
			P_mN			3.0	0.4
			P_mE			3.0	0.7
			P_mZ			3.0	1.2
			ES	13 48 50.0	− 2.6		
			S_mN			4.0	0.7
			S_mE			4.0	0.5
WHN	19.6	266	IPD	13 45 56.0	1.3		
TIY	20.3	287	P	13 46 02.6	0.2		
			P_mZ			0.8	0.4
			XP	13 47 41.0	2.6		
			IS	13 49 32.0	6.0		
			S_mE			9.0	1.9
HHC	21.4	296	P	13 46 12.8	0.3		
			S	13 49 49.0	5.1		
BTO	22.5	294	IPR	13 46 24.0	0.9		
			S	13 50 03.5	0.7		
XAN	23.3	278	PC	13 46 31.0	0.0		
			S	13 50 15.5	− 1.5		
			LN			10.0	1.1
			LE			10.0	0.8
GZH	23.5	248	IPC	13 46 33.4	1.0		
			S	13 50 21.5	2.2		
LZH	27.3	283	IPC	13 47 06.0	− 0.6		
			P_mZ			1.2	0.5
			AP	13 48 07.0	− 1.9		
			ES	13 51 07.0	−13.1		
GYA	27.3	262	PR	13 47 06.0	− 1.0		
			S	13 51 17.0	− 3.8		
			S_mN			5.0	0.7
			S_mE			5.0	0.6
			SCP	13 53 23.0	0.5		
CD_2	28.3	273	IPD	13 47 15.0	− 0.3		
			P_mN			0.8	0.6
			AP	13 48 20.0	1.4		
			XP	13 48 59.0	0.6		
			ES	13 51 31.0	− 4.7		
QZN	28.5	245	PR	13 47 18.0	0.6		
			PP	13 48 35.0	6.1		
			PP_mN			6.0	0.7
			PP_mE			5.0	0.9
			PP_mZ			7.0	1.3
			ES	13 51 45.0	5.6		
GTA	30.2	291	IPD	13 47 33.1	0.3		
			PP	13 48 47.0	− 2.2		
			S	13 52 05.5	− 1.6		
			SS	13 54 29.0	7.7		
			S_mN			4.5	0.4
			LE			11.0	0.5
KMI	31.1	262	PR	13 47 40.0	− 0.1		
			PP	13 49 03.0	4.2		
			PP_mZ			7.0	0.7
			ES	13 52 19.0	− 1.2		
LSA	39.0	276	EP	13 48 48.6	1.3		
			S	13 54 20.5	− 1.2		
WMQ	39.2	299	IPD	13 48 49.3	1.3		
			P_mZ			1.5	0.4
			AP	13 49 56.0	0.6		
			PP	13 50 28.5	− 0.1		
			S	13 54 24.5	1.4		
			S_mE			2.5	0.2
			SCS	13 58 17.5	1.8		
KSH	48.5	295	EP	13 50 03.0	1.1		
			S	13 56 40.0	3.6		

1984 2 16
O = 17 18 41.0 +/− 0.06 SEC
LAT = 36.53 N +/− 1.51 KM
LONG = 70.79 E +/− 1.09 KM
DPTH = 206 KM +/− 0.25 KM

STA. CODE	Δ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
mb(NEIS)=6.1							
STATIONS USED=100. STAND DEV=1.05SEC							
KSH	5.0	53	IPR	17 19 57.0	0.0		
			IS	17 20 52.0	− 3.9		
			LN			4.0	111.9
WMQ	14.8	55	PD	17 22 00.5	− 1.7		
			XP	17 22 56.5	1.8		
			S	17 24 42.0	0.6		
			S mE			6.0	24.1
LSA	18.4	105	IPD	17 22 43.8	0.6		
			IS	17 25 57.5	− 0.4		
			S mE			9.0	14.3
GTA	23.0	74	IPC	17 23 30.7	1.3		
			XP	17 24 37.0	4.2		
			S	17 27 25.5	3.8		
			S mE			12.0	31.3
			LE			10.5	11.0
LZH	26.6	81	IPD	17 24 03.0	0.5		
			P mZ			1.0	0.9
			AP	17 24 46.0	3.1		
			XP	17 25 07.0	− 0.2		
			S	17 28 25.0	4.6		
			S mE			7.0	4.7
			XS	17 29 32.0	− 0.1		
CD2	27.9	91	IP	17 24 14.5	0.1		
			P mN			0.8	0.6
			P mE		−	0.8	0.6
			S	17 28 41.0	0.6		
			LE		−	11.0	8.1
KMI	29.6	103	IPR	17 24 28.0	1.4		
			P mZ			5.0	2.8
			AP	17 25 13.0	− 2.4		
			XP	17 25 34.0	0.6		
			PP	17 25 41.0	6.8		
			IS	17 29 09.0	0.6		
			S mE			8.0	6.4
			XS	17 30 28.0	6.4		
BTO	30.8	70	P	17 24 40.0	0.2		
			AP	17 25 22.5	1.1		
			S	17 29 29.0	2.1		
			LN			13.0	8.7
			LE			13.0	11.0
XAN	31.1	83	PD	17 24 42.0	− 0.6		
			AP	17 25 28.0	3.7		
			XP	17 25 49.0	0.8		
			S	17 29 32.0	0.0		
			PCS	17 31 09.0	− 6.0		
			LN			10.0	8.6
			LE			9.0	4.2
HHC	31.9	69	P	17 24 50.2	0.4		
			AP	17 25 35.0	3.4		
			S	17 29 47.0	2.2		
			PCS	17 31 12.0	− 5.7		
			LE			12.0	6.8
GYA	32.0	97	PR	17 24 50.0	− 0.9		
			XP	17 25 60.0	3.5		
			S	17 29 47.0	0.2		
			LN			11.0	9.7
			LE			11.0	22.7
TIY	33.0	75	P	17 24 59.4	0.0		
			P mZ			0.8	1.0
			AP	17 25 44.0	2.5		
			XP	17 26 09.0	3.9		
			S	17 30 03.0	0.9		
			S mE			9.0	8.0
			PCS	17 31 29.0	7.3		
			SCS	17 35 01.5	1.3		
BJI	35.5	70	EPU	17 25 20.0	− 0.2		
			EAP	17 26 05.0	2.0		
			EXP	17 26 30.5	4.0		
			EPP	17 26 49.0	4.2		
			PCP	17 27 45.0	0.4		
			SCP	17 31 09.0	0.5		
			ES	17 30 33.0	− 7.0		
			S mN			6.5	0.7
			S mE			9.5	2.8
			XS	17 31 55.0	0.1		
			SCS	17 35 15.0	1.6		
			LN			11.0	7.1
			LE			8.5	2.0
WHN	36.6	86	PD	17 25 29.7	0.6		
TIA	37.0	76	PD	17 25 33.5	0.4		
			P mN			5.0	0.4
			P mE			6.0	1.7
			P mZ			6.0	2.8
			AP	17 26 20.1	4.1		
			PCP	17 27 50.4	1.2		
			SMN			7.0	2.7
			SME			10.0	5.0
			SCP	17 31 13.6	− 1.5		
			PCS	17 31 35.5	− 0.5		
			XS	17 32 25.0	6.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
QZN	38.4	106	IPU	17 25 44.0	− 0.4		
			P_mN			5.0	1.0
			P_mE			5.0	1.2
			P_mZ			5.0	2.4
			AP	17 26 27.5	− 0.1		
			XP	17 26 52.5	1.5		
			PP	17 27 28.0	9.2		
			PP_mN			7.0	0.9
			PP_mE			11.0	1.9
			PP_mZ			6.0	2.6
			S	17 31 19.0	− 4.8		
			XS	17 32 42.3	2.8		
			SS	17 34 15.0	2.4		
GZH	39.0	98	IPC	17 25 50.1	0.9		
			AP	17 26 31.0	− 1.5		
			XP	17 26 59.0	3.1		
			S	17 31 33.0	0.5		
			XS	17 32 49.0	0.6		
			SS	17 34 30.5	5.8		
			LN			10.0	4.7
			LE			12.0	4.0
NJ2	39.6	81	PU	17 25 56.0	1.3		
			P_mZ			5.0	2.9
			AP	17 26 40.5	2.4		
			XP	17 27 05.0	3.6		
			PCP	17 27 59.8	2.4		
			SCP	17 31 24.0	− 1.0		
			S	17 31 43.0	0.6		
			S_mE			13.0	9.1
			SCS	17 35 36.4	− 0.6		
DL2	39.9	70	P	17 25 57.5	1.0		
			P_mE			6.0	2.2
			P_mZ			6.0	3.2
			AP	17 26 43.0	3.1		
			S	17 31 43.3	− 2.4		
			S_mN			6.0	1.9
			S_mE			11.0	5.6
			LN			14.0	8.1
			LE			14.0	9.6
SNY	40.7	65	IPU	17 26 03.8	0.2		
			P_mZ			6.0	2.2
			AP	17 26 49.7	2.5		
			SCP	17 31 28.5	− 0.7		
			IS	17 31 53.0	− 5.5		
			PCS	17 31 57.0	6.8		
			XS	17 33 16.0	1.1		
			SCS	17 35 43.0	− 0.4		
			LN			12.0	4.7
			LE			14.0	10.1
CN2	41.7	62	PU	17 26 11.0	− 0.9		
			P_mZ			4.0	2.1
			AP	17 26 57.0	1.4		
			XP	17 27 22.0	3.2		
			PP	17 27 55.0	1.1		
			PCP	17 28 03.8	− 0.5		
			SCP	17 31 31.8	− 1.5		
			ES	17 32 10.0	− 3.4		
			S_mE			8.0	2.8
			XS	17 33 34.0	4.0		
			SS	17 35 17.0	− 3.8		
			SCS	17 35 48.0	− 1.5		
SSE	41.8	82	PU	17 26 13.5	0.8		
			P_mN			1.0	0.3
			P_mE			1.0	0.5
			P_mZ			1.0	1.0
			AP	17 26 59.0	2.6		
			XP	17 27 23.0	3.4		
			S	17 32 14.0	− 0.8		
			SS	17 35 21.0	− 1.5		
			LE			14.0	5.7
QZH	42.3	92	IPR	17 26 16.5	0.1		
			P_mN			5.0	0.7
			P_mE			5.0	0.9
			P_mZ			5.0	2.0
			AP	17 27 04.0	3.9		
			XP	17 27 25.5	2.1		
			SCP	17 31 34.5	− 1.0		
			S	17 32 20.0	− 1.4		
			S_mN			7.0	1.3
			S_mE			7.0	2.3
			XS	17 33 39.5	1.2		
			SS	17 35 36.0	5.2		
			SCS	17 35 53.0	0.1		
MDJ	44.5	60	PC	17 26 34.0	− 0.4		
			AP	17 27 21.0	2.6		
			PCP	17 28 15.0	1.3		
			PP	17 28 22.0	0.8		
			SCP	17 31 43.0	− 1.5		
			PCS	17 32 06.0	0.5		
			S	17 32 51.0	− 2.8		
			XS	17 34 16.0	4.5		
			SCS	17 36 06.0	− 0.9		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			SS	17 36 13.0	2.4		
			LN			12.0	6.4
1984 2 17							
O=02 37 26.4			+/− 0.12 SEC				
LAT=37.74 N			+/− 1.69 KM				
LONG=100.74 E			+/− 1.40 KM				
DEPTH=28 KM			+/− 0.17 KM				
Ms(CHINA)=5.1/28, Msz(NEIS)=4.6, mb(NEIS)=5.3							
ML(CHINA)=5.1/6							
STATIONS USED=63, STAND DEV=2.35 SEC							
GTA	1.8	336	IPNC	02 37 56.8	1.2		
			I	02 38 21.0			
			S_mN			9.6	19.2
			S_mE			8.5	38.7
			LE	Ms=5.0		6.0	30.7
LZH	3.0	122	IPNC	02 38 15.0	1.8		
			SN	02 38 53.0	4.3		
CD_2	7.3	159	EPN	02 39 16.8	3.3		
			ESN	02 40 42.5	6.6		
			LN	Ms=5.2		10.0	16.9
XAN	7.6	116	EPN	02 39 16.1	− 2.1		
			LN	Ms=5.2		10.0	14.3
			LE			9.0	10.1
BTO	7.8	65	EPN	02 39 20.8	0.3		
			LG_1	02 41 24.0	− 5.9		
			LG_2	02 41 43.0	0.8		
			LN	Ms=4.8		9.0	6.1
			LE			9.0	2.5
HHC	8.9	66	EP	02 39 36.0	− 1.1		
			LG_1	02 42 02.0	− 5.5		
			LN	Ms=4.9 5		10.0	8.0
LSA	11.3	227	P	02 40 09.0	− 0.9		
			S	02 42 14.0	− 3.0		
			LN	Ms=4.5		9.0	1.4
			LE			10.0	1.5
WMQ	11.6	305	PC	02 40 11.0	− 2.6		
			LN	Ms=5.3		10.0	10.9
			LE			10.0	6.3
BJI	12.2	74	EP	02 40 22.0	− 0.1		
			LG_1	02 43 42.5	− 8.6		
			LN	Ms=5.2		11.0	11.3
			LE			9.0	4.0
GYA	12.3	154	P	02 40 21.4	− 1.7		
			S	02 42 39.0	− 1.7		
			LN	Ms=5.0		9.0	3.9
			LE			9.0	4.5
KMI	12.7	171	PD	02 40 29.0	0.7		
			ES	02 42 47.0	− 3.1		
			LE	Ms=4.8		13.0	5.2
TIA	13.2	91	EP	02 40 30.1	− 4.7		
			LN	Ms=5.1		10.0	6.7
			LE			11.0	4.2
NJ2	15.9	105	EP	02 41 10.4	0.3		
			LN	Ms=5.3		11.0	8.4
			LE			11.0	3.8
DL2	16.4	79	EP	02 41 16.0	− 0.9		
			ES	02 44 17.3	− 0.9		
			SS	02 44 30.0	− 7.2		
			LN	Ms=4.7		12.5	2.5
			LE			12.0	1.4
SNY	18.0	69	EP	02 41 37.8	1.1		
			ES	02 44 57.0	−14.0		
			LG_1	02 46 54.0	1.9		
			LG_2	02 47 11.0	− 9.6		
			LN	Ms=4.8		8.0	1.4
			LE			14.0	2.7
GZH	18.2	139	EP	02 41 36.5	− 2.2		
			LN	Ms=5.2		10.0	5.0
			LE			9.0	2.7
CN_2	19.6	64	EP	02 41 54.5	− 1.4		
			ES	02 45 30.0	− 0.6		
			LN	Ms=5.1		10.0	5.0
QZH	19.8	124	EP	02 41 58.0	− 0.1		
			ES	02 45 42.0	7.0		
			LN	Ms=5.0		9.0	1.8
			LE			9.0	2.6
QZN	20.3	154	EP	02 42 02.1	− 0.7		
			S	02 45 54.0	10.2		
			LN			9.0	1.6
			LE	Ms=5.0		8.0	2.0
1984 2 17							
O=02 52 30.1			+/− 0.22 SEC				
LAT=38.62 N			+/− 2.89 KM				
LONG=101.10 E			+/− 2.21 KM				
DEPTH=4 KM			+/− 0.28 KM				
ML(CHINA)=3.6/4							
STATIONS USED=6, STAND DEV=2.95 SEC							
GTA	1.3	308	PN	02 52 55.0	0.2		
			SN	02 53 16.5	3.7		
			S_mN	ML=3.3		0.8	0.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S$_m$E			0.8	0.4
LZH	3.3	138	EPN	02 53 22.0	− 2.4		
			S$_m$N	ML=4.1		1.7	0.6
			S$_m$E			1.5	0.6
XAN	7.8	123	EPN	02 54 33.0	5.8		
HHC	8.4	71	EP	02 54 36.0	0.7		

1984 2 17

O=03 02 03.4 +/− 0.07 SEC
LAT=37.67 N +/− 0.57 KM
LONG=100.76 E +/− 0.72 KM
DEPTH=33 KM +/− 0.05 KM
ML(CHINA)=3.6/3
STATIONS USED=4, STAND DEV=3.38 SEC

GTA	1.9	337	P	03 02 37.5	3.4		
			I	03 03 01.4			
			S$_m$N	ML=3.6		0.9	0.4
			S$_m$E			1.0	0.8

1984 2 17

O=05 32 59.3 +/− 0.07 SEC
LAT=32.66 N +/− 0.78 KM
LONG=115.82 E +/− 0.74 KM
DEPTH=33 KM +/− 0.01 KM
ML(CHINA)=3.4/12
STATIONS USED=12, STAND DEV=3.58 SEC

NJ2	2.6	102	P	05 33 42.6	2.2		
			S	05 34 12.4	0.7		
			S$_m$N	ML=3.4		0.3	0.2
			S$_m$E			0.2	0.1
TIA	3.7	16	EP	05 33 58.5	2.8		
			S	05 34 39.8	1.0		
			S$_m$N	ML=3.4		0.4	0.09
			S$_m$E			0.4	0.1
SSE	4.8	107	EP	05 34 16.2	4.6		
			I	05 34 24.8			
			SN	05 35 08.8	1.7		
			S$_m$N	ML=3.4		1.0	0.05
XAN	5.9	285	EP	05 34 30.6	3.4		

1984 2 17

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
O=16 32 21.0 +/− 0.10 SEC							
LAT=6.62 S +/− 2.01 KM							
LONG=130.09 E +/− 2.24 KM							
DEPTH=158 KM +/− 0.53 KM							
mb(NEIS)=6.1							
STATIONS USED=101, STAND DEV=1.37 SEC							
QZN	32.4	322	IPD	16 38 37.8	− 0.1		
			P$_m$N			6.0	1.1
			P$_m$E			5.0	1.0
			P$_m$Z			6.0	2.1
			AP	16 39 14.5	3.3		
			XP	16 39 31.0	1.3		
			IS	16 43 37.0	− 2.5		
			S$_m$N			8.0	2.1
			S$_m$E			8.0	4.1
			XS	16 44 38.5	0.3		
QZH	33.3	340	IPC	16 38 45.5	− 0.5		
			PP	16 40 04.0	1.7		
			IS	16 43 45.0	− 9.0		
			S$_m$N			8.0	2.6
			S$_m$E			8.0	1.6
GZH	33.8	331	PC	16 38 49.2	− 0.6		
			S	16 43 55.0	− 6.0		
			LN			11.0	2.1
			LE			11.0	2.7
SSE	38.5	347	PU	16 39 29.8	0.4		
			P$_m$Z			1.0	0.6
			PCP	16 41 40.5	1.3		
			IS	16 45 10.0	− 2.7		
			XS	16 46 08.0	− 4.7		
WHN	39.9	338	IPC	16 39 43.0	1.6		
NJ2	39.9	345	PC	16 39 42.0	0.6		
			P$_m$Z			4.0	2.3
			SCP	16 45 15.6	− 0.8		
			S	16 45 30.0	− 4.6		
			S$_m$N			9.0	2.0
GYA	40.0	326	PC	16 39 42.2	0.2		
			AP	16 40 21.0	4.8		
			S	16 45 33.0	− 2.6		
			XS	16 46 31.0	− 4.5		
			SS	16 48 39.0	7.5		
			LE			14.0	1.8
KMI	41.3	320	IPU	16 39 54.0	1.1		
			P$_m$Z			4.0	2.5
			IS	16 45 53.0	− 2.1		
TIA	44.3	344	PU	16 40 16.7	− 0.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mN			6.0	0.9
			P_mZ			6.0	1.6
			PCP	16 41 59.4	0.9		
			S	16 46 35.2	− 3.6		
			S_mN			8.0	2.4
			S_mE			8.0	1.8
			XS	16 47 39.0	− 0.9		
			SCS	16 49 54.0	− 1.4		
			LN			13.0	0.4
			LE			13.0	1.5
CD2	45.0	327	IPC	16 40 23.0	0.0		
			P_mZ			1.0	0.6
			AP	16 40 58.0	0.3		
			PP	16 42 09.0	− 1.9		
			PCS	16 45 56.0	2.8		
			S	16 46 44.0	− 5.2		
			XS	16 47 47.0	− 3.4		
			SCS	16 50 01.0	1.0		
XAN	45.1	334	PC	16 40 23.0	− 0.8		
			AP	16 40 59.0	0.4		
			XP	16 41 19.0	2.4		
			PP	16 42 05.0	− 6.9		
			IS	16 46 45.0	− 5.7		
			SCS	16 50 00.0	− 0.6		
			LN			10.0	0.6
DL2	46.0	350	PU	16 40 30.0	− 0.3		
			P_mN			5.0	1.1
			P_mZ			6.0	1.4
			EAP	16 41 07.0	1.7		
			ES	16 46 54.0	− 8.4		
			S_mN			8.0	1.9
			S_mE			7.0	2.5
			LE			10.0	0.9
TIY	47.1	340	IPC	16 40 39.0	− 0.1		
			P_mZ			1.0	0.5
			PP	16 42 32.0	0.9		
			S	16 47 13.0	− 5.4		
			S_mN			8.0	1.5
			S_mE			8.5	1.3
			XS	16 48 19.0	− 0.8		
			SCS	16 50 15.0	1.8		
			LN			12.5	1.2
BJI	48.2	345	PU	16 40 46.0	− 1.5		
			P_mN			5.5	1.1
			P_mE			5.5	0.5
			P_mZ			5.5	1.7
			AP	16 41 24.5	1.7		
			XP	16 41 46.0	5.3		
			PCP	16 42 13.0	0.9		
			PCS	16 46 09.0	2.7		
			ES	16 47 28.5	− 5.0		
			SCS	16 50 20.0	− 0.4		
SNY	48.6	353	IPC	16 40 50.0	− 0.6		
			P_mZ			5.0	1.8
			XP	16 41 44.0	0.1		
			IS	16 47 35.0	− 4.2		
			S_mN			10.0	1.7
			S_mE			10.0	1.8
			SCS	16 50 26.0	2.9		
			LN			15.0	1.0
			LE			15.0	1.5
LZH	49.1	331	IPC	16 40 55.5	0.6		
			P_mZ			1.5	1.6
			PCP	16 42 16.5	1.0		
			SCP	16 45 45.5	− 8.4		
			IS	16 47 44.5	− 2.5		
			S_mE			6.0	4.0
HHC	50.2	341	PU	16 41 03.0	− 0.2		
			AP	16 41 41.0	2.4		
			XP	16 41 56.0	− 0.5		
			SCS	16 50 34.0	0.0		
			S_mE			7.0	2.4
			SCS	16 50 34.0	0.0		
CN2	50.4	255	IPC	16 41 03.2	− 1.0		
			P_mZ			3.0	1.4
			AP	16 41 38.0	− 1.8		
			XP	16 41 56.0	− 1.6		
			PCP	16 42 21.0	0.9		
			ES	16 47 47.0	− 5.9		
			S_mN			10.0	1.1
			S_mE			10.0	1.2
			XS	16 49 01.0	− 5.2		
			ISCS	16 50 36.7	1.7		
BTO	50.5	340	PU	16 41 05.0	− 0.3		
			AP	16 41 41.5	0.7		
			S	16 48 03.0	− 2.9		
LSA	52.0	316	IPC	16 41 18.2	1.2		
			IS	16 48 25.0	− 2.1		
			S_mN			6.0	2.5
			S_mE			8.0	2.2
			XS	16 49 29.0	0.1		
GTA	53.7	331	IPC	16 41 29.8	0.6		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mZ			4.5	1.7
			AP	16 42 06.3	1.4		
			XP	16 42 25.5	2.7		
			SCP	16 46 15.4	1.9		
			S	16 48 43.0	− 6.5		
			S_mE			7.5	1.4
			XS	16 49 49.5	− 2.5		
			LE			13.0	0.7
WMQ	63.1	326	IPC	16 42 34.5	− 0.2		
			P_mZ			4.0	3.2
			AP	16 43 10.5	− 1.1		
			S	16 50 49.7	− 2.1		
			S_mN			4.0	10.8
			SCS	16 52 08.0	0.8		
KSH	67.8	317	IPU	16 43 05.0	0.5		
			AP	16 43 42.0	0.3		
			XP	16 44 05.0	5.9		
			PP	16 45 38.0	0.9		
			IS	16 51 52.0	3.6		
			S_mE			8.0	3.5
			SCS	16 52 45.0	2.0		

1984 2 17

O=20 31 53.2 +/− 0.22 SEC
LAT=46.59 N +/− 5.34 KM
LONG=153.22 E +/− 2.40 KM
DEPTH=42 KM +/− 2.78 KM
Ms(CHINA)=5.0/1, mb(NEIS)=4.6
STATIONS USED=15, STAND DEV=1.99 SEC

MDJ	16.6	271	EP	20 35 45.0	− 0.2		
CN2	19.7	271	EP	20 36 17.8	− 4.6		
SNY	21.7	268	EP	20 36 41.0	− 1.7		
BJI	27.5	269	EP	20 37 40.0	1.4		
TIY	31.2	268	EP	20 38 11.4	0.0		
			LN	Ms=5.0		18.0	2.8
GTA	39.1	279	P	20 39 19.0	0.6		
CD2	40.9	265	EP	20 39 33.6	− 0.3		
GYA	41.8	257	P	20 39 39.8	− 0.8		

1984 2 17

O=21 59 20.0 +/− 0.09 SEC
LAT=45.89 N +/− 5.42 KM
LONG=151.96 E +/−. 3.21 KM
DEPTH=21 KM +/− 1.99 KM
mb(NEIS)=4.8
STATIONS USED=13, STAND DEV=1.69 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
MDJ	15.8	273	EP	22 03 05.5	2.3		
CN2	18.9	273	P	22 03 39.0	− 2.9		
SNY	20.8	268	EP	22 04 02.9	0.0		
BJI	26.7	270	EP	22 05 02.0	2.1		
GTA	38.3	279	P	22 06 41.9	0.2		
CD2	40.0	265	EP	22 06 56.6	1.0		
GYA	40.7	257	P	22 07 02.8	1.0		
WMQ	44.5	291	P	22 07 30.7	−/1.7		

1984 2 17

O=22 35 02.0 +/− 0.15 SEC
LAT=22.34 S +/− 1.31 KM
LONG=170.77 E +/− 1.15 KM
DEPTH=48 KM +/− 0.91 KM
mb(NEIS)=5.2
STATIONS USED=33, STAND DEV=1.07 SEC

QZN	72.4	299	P	22 46 27.0	1.6		
NJ2	73.4	315	PC	22 46 31.0	− 0.7		
WHN	75.5	312	EP	22 46 43.5	− 0.1		
TIA	77.2	318	PC	22 46 52.8	− 0.6		
CN2	77.8	328	PC	22 46 55.4	− 1.5		
GYA	78.8	304	P	22 47 02.4	0.3		
BJI	80.2	320	EP	22 47 09.5	− 0.4		
TIY	81.1	316	PD	22 47 14.9	0.4		
KMI	81.1	301	EP	22 47 16.0	1.1		
XAN	81.2	312	EP	22 47 15.6	0.2		
CD2	83.2	307	EP	22 47 26.5	0.8		
LZH	85.9	311	P	22 47 39.0	0.2		
			P_mZ			1.5	0.09
GTA	90.3	312	P	22 47 60.0	0.0		

1984 2 17

O=23 06 21.9 +/− 0.08 SEC
LAT=40.97 N +/− 1.39 KM
LONG=71.15 E +/− 0.88 KM
DEPTH=14 KM +/− 0.11 KM
Ms(CHINA)=4.7/3, mb(NEIS)=4.9
STATIONS USED=27, STAND DEV=1.28 SEC

KSH	4.0	110	EPN	23 07 26.2	1.8		
			SG	23 08 36.6	9.6		
			S_mN			1.2	45.0
			S_mE			1.0	40.0
WMQ	12.6	71	FP	23 09 25.5	2.1		
			LN	Ms=4.9		9.0	4.7
LSA	19.8	118	EP	23 10 55.4	0.3		
GTA	21.9	84	P	23 11 17.9	0.8		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LZH	25.9	90	EP	23 11 56.5	0.3		
			P_mZ			1.5	0.07
CD2	28.1	100	EP	23 12 16.4	− 0.6		
TIY	31.9	82	EP	23 12 49.2	0.3		
			LE			10.0	0.8
GYA	32.6	105	P	23 12 56.0	0.2		
TIA	35.9	82	PC	23 13 24.7	− 0.4		
NJ2	39.0	87	PD	23 13 49.0	0.7		
SSE	41.2	87	EP	23 14 08.2	0.3		

1984 2 17
O=23 07 36.3 +/− 0.06 SEC
LAT=40.79 N +/− 1.50 KM
LONG=71.07 E +/− 1.05 KM
DEPTH=17 KM +/− 0.05 KM
mb(NEIS)=5.1
STATIONS USED=20. STAND DEV=1.00 SEC

TIA	36.0	82	PC	23 14 39.6	0.6		
NJ2	39.0	87	PC	23 15 02.0	− 2.2		
CN2	39.7	67	PD	23 15 10.0	− 0.1		
SSE	41.2	87	EP	23 15 23.4	0.9		

1984 2 17
O=23 26 51.1 +/− 0.29 SEC
LAT=40.88 N +/− 5.48 KM
LONG=71.01 E +/− 4.10 KM
DEPTH=22 KM +/− 0.56 KM
Ms(CHINA)=5.5/24, Msz(NEIS)=5.2
mb(NEIS)=5.4
STATIONS USED=67, STAND DEV=4.24 SEC

KSH	4.1	108	PNU	23 27 56.0	2.1		
			ESN	23 28 50.0	8.3		
WMQ	12.7	71	EP	23 29 52.7	− 0.8		
			LN	Ms=5.6		10.0	20.6
			LE			10.0	16.6
LSA	19.8	117	EP	23 31 25.3	1.3		
			XS	23 35 09.1	− 1.0		
			LN	Ms=5.2		10.0	4.4
			LE			9.0	3.5
GTA	22.0	84	PC	23 31 47.1	0.7		
			S	23 35 50.0	6.2		
			LE	Ms=5.6		9.5	11.0
LZH	26.1	89	SP	23 32 25.5	0.1		
			P_mZ			7.0	2.4
			ES	23 36 57.0	3.5		
			LN	Ms=5.5		9.0	5.1
			LE			11.5	4.5
CD2	28.2	100	P	23 32 46.6	1.8		
			ES	23 37 33.0	5.0		
			LE	Ms=5.4		11.0	5.8
BTO	29.4	77	EP	23 32 55.4	− 0.2		
			ES	23 37 47.5	0.1		
HHC	30.5	76	EP	23 33 06.0	0.7		
XAN	30.7	90	EP	23 33 06.6	− 0.4		
			ES	23 38 21.0	13.4		
			LN	Ms=5.7		10.0	8.2
			LE			11.0	4.5
KMI	30.7	110	PD	23 33 08.0	0.7		
			ES	23 38 08.0	− 0.2		
			LN	Ms=5.2		15.0	4.4
TIY	32.0	81	P	23 33 19.5	0.8		
			ES	23 38 26.0	− 2.4		
			LN	Ms=5.6		8.0	5.0
GYA	32.7	104	P	23 33 25.0	− 0.1		
			AP	23 33 30.0	− 2.3		
			S	23 38 41.0	1.2		
			S_mN			12.0	2.4
			S_mE			12.0	2.8
BJI	34.1	76	EP	23 33 36.5	− 0.1		
			LN	Ms=5.3		12.0	3.8
TIA	36.0	82	PD	23 33 54.1	0.7		
			ES	23 39 36.0	5.0		
			LN	Ms=5.4		16.0	5.5
			LE			14.0	1.6
WHN	36.3	92	P	23 33 57.0	1.1		
SNY	39.0	70	EP	23 34 21.8	4.0		
			ES	23 40 17.0	1.6		
			LN	Ms=5.6		11.0	4.0
			LE			10.5	3.5
NJ2	39.1	87	PD	23 34 20.2	1.5		
			ES	23 40 19.0	2.0		
			LN	Ms=5.7		12.0	4.1
			LE			13.0	5.0
GZH	39.6	103	EP	23 34 24.5	1.2		
			LN	Ms=5.7		13.0	5.0
			LE			14.0	6.0
QZN	39.6	111	EP	23 34 23.8	0.3		
			S	23 40 28.0	2.3		
			LN	Ms=5.4		13.0	2.6
			LE			11.0	2.4
CN2	39.7	67	EP	23 34 21.5	2.8		
SSE	41.3	87	EP	23 34 37.4	− 0.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mZ			1.2	0.09
			LN	Ms=5.5		11.0	1.6
			LE			12.0	3.3
MDJ	42.4	64	EP	23 34 47.0	0.8		

1984 2 18
O=05 21 41.2 +/- 0.36 SEC
LAT=14.79 N +/- 6.62 KM
LONG=52.91 E +/- 4.55 KM
DEPTH=12 KM +/- 0.36 KM
Msz(NEIS)=4.3, mb(NEIS)=5.1
STATIONS USED=21, STAND DEV=3.73 SEC

GTA	48.4	50	EP	05 30 28.3	2.5
GYA	52.1	67	P	05 30 54.8	0.7
XAN	54.6	58	EP	05 31 12.0	- 0.1
TIY	57.8	54	EP	05 31 35.0	- 0.3
BJI	60.9	52	(P)	05 31 53.0	- 3.8
TIA	61.4	56	EP	05 32 07.2	6.9
NJ2	62.8	61	PC	05 32 10.6	1.1
CN_2	68.0	48	EP	05 32 42.5	- 0.5

1984 2 18
O=16 34 44.0 +/- 0.10 SEC
LAT=34.92 N +/- 1.76 KM
LONG=25.94 E +/- 1.09 KM
DEPTH=16 KM +/- 1.26 KM
mb(NEIS)=4.7
STATIONS USED=31, STAND DEV=0.76 SEC

WMQ	47.6	59	P	16 43 21.2	- 0.2
LSA	54.5	75	EP	16 44 14.1	- 0.2
GTA	57.5	61	P	16 44 35.1	- 0.6
LZH	61.7	64	EP	16 45 04.0	- 0.8
CD2	63.9	69	EP	16 45 18.5	- 0.4
HHC	65.2	56	EP	16 45 28.0	0.2
KMI	65.7	75	EP	16 45 31.0	- 0.2
XAN	66.4	64	EP	16 45 34.4	- 0.5
TIY	67.2	59	EP	16 45 40.6	0.1
GYA	68.2	72	P	16 45 48.0	1.4
BJI	68.7	55	EP	16 45 52.0	2.2
TIA	71.2	58	EP	16 46 04.6	- 0.6
SNY	72.7	50	EP	16 46 14.6	0.7
CN2	72.9	48	PC	16 46 14.0	- 0.8

1984 2 18
O=18 26 37.1 +/- 0.09 SEC
LAT=17.96 S +/- 0.43 KM

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LONG=178.39 W +/- 0.86 KM				
			DEPTH=605 KM +/- 1.12 KM				
			mb(NEIS)=5.0				
			STATIONS USED=27, STAND DEV=0.91 SEC				
CN_2	80.1	322	PC	18 37 47.2	0.2		
BJI	83.8	315	EP	18 38 06.0	0.1		
GYA	85.1	299	P	18 38 13.0	0.8		
XAN	86.3	207	PC	18 38 19.0	1.0		
KMI	87.9	297	PC	18 38 27.0	1.5		

1984 2 18
O=19 35 53.1 +/- 0.15 SEC
LAT=41.05 N +/- 2.61 KM
LONG=71.10 E +/- 2.42 KM
DEPTH=12 KM +/- 0.55 KM
mb(NEIS)=4.7, ML(CHINA)=5.1/2
STATIONS USED=21, STAND DEV=2.96 SEC

KSH	4.1	111	EPG	19 37 11.0	3.9		
			ESB	19 38 01.0			
			S_mE	ML=5.4		3.0	7.0
WMQ	12.6	71	EP	19 38 57.8	2.7		
			LG_2	19 42 46.4	- 1.5		
			LN			2.0	0.1
			LE			2.0	0.1
LSA	19.8	118	EP	19 40 26.0	- 1.4		
GTA	21.9	84	EP	19 40 50.0	1.1		
GYA	32.7	105	EP	19 42 28.2	0.0		
SSE	41.2	87	EP	19 43 40.8	1.1		

1984 2 18
O=21 44 19.2 +/- 0.10 SEC
LAT=39.67 N +/- 1.51 KM
LONG=97.58 E +/- 1.04 KM
DEPTH=32 KM +/- 0.04 KM
Ms(CHINA)=3.9/2, mb(NEIS)=4.0, ML(CHINA)=4.6/5
STATIONS USED=18, STAND DEV=1.95 SEC

GTA	1.7	97	IPNC	21 44 47.4	0.6		
			I	21 45 08.0			
			S_mE	ML=4.3		0.5	3.2
			LE	Ms=4.0		6.5	3.6
LZH	6.1	123	EPN	21 45 48.0	- 1.8		
			S_mN			6.0	1.3
			S_mE			8.0	0.9
WMQ	8.5	302	EP	21 46 23.7	0.8		
			S	21 47 55.5	- 3.0		
			S_mN	ML=4.6		0.8	0.2

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
XAN	10.7	118	EP	21 46 50.0	− 3.2		
LSA	11.3	209	EP	21 47 00.2	− 1.5		
TIY	11.8	94	EP	21 47 07.0	− 1.1		
			LG	21 50 26.0			
			LE	Ms=3.8		9.0	0.4
BJI	14.3	82	(P)	21 47 44.0	2.5		
KMI	15.1	161	EP	21 47 55.5	2.6		
GYA	15.2	147	P	21 47 56.8	3.2		
WHN	16.4	118	EP	21 48 11.6	2.3		
SNY	19.8	75	EP	21 48 51.6	1.7		
CN2	21.2	69	EP	21 49 03.0	− 1.2		

1984 2 19
O=00 46 10.6 +/− 0.24 SEC
LAT=40.18 S +/− 4.79 KM
LONG=79.03 E +/− 8.72 KM
DEPTH=30 KM +/− 0.39 KM
mb(NEIS)=4.9
STATIONS USED=9. STAND DEV=3.75 SEC

XAN	78.8	24	EP	00 58 15.0	1.7		
GTA	81.5	16	EP	00 58 29.8	2.4		
WMQ	84.0	6	EP	00 58 41.0	0.7		

1984 2 19
O=04 42 43.3 +/− 0.21 SEC
LAT=40.96 N +/− 2.01 KM
LONG=71.08 E +/− 2.26 KM
DEPTH=50 KM +/− 1.20 KM
mb(NEIS)=4.3, ML(CHINA)=4.2/2
STATIONS USED=17, STAND DEV=3.51 SEC

KSH	4.0	110	EP	04 43 40.8	− 3.8		
			S	04 44 29.0	− 2.5		
			SmN	ML=4.4		0.9	0.7
			SmE			0.9	0.7
WMQ	12.6	71	E(P)	04 45 46.4	3.6		
			LN			2.0	0.1
GTA	22.0	84	P	04 47 32.6	− 2.4		

1984 2 19
O=09 29 49.3 +/− 0.18 SEC
LAT=24.91 N +/− 2.56 KM
LONG=94.71 E +/− 1.68 KM
DEPTH=41 KM +/− 0.53 KM
mb(NEIS)=4.9
STATIONS USED=22, STAND DEV=2.74 SEC

LSA	5.7	327	P	09 31 16.3	1.7		
			ES	09 32 19.9	− 0.5		
GYA	10.9	79	P	09 32 27.2	1.3		
XAN	15.3	50	EP	09 33 24.4	− 0.4		
WMG	19.7	344	P	09 34 19.0	0.6		

1984 2 19
O=13 57 53.7 +/− 0.15 SEC
LAT=38.87 N +/− 1.77 KM
LONG=70.14 E +/− 2.13 KM
DEPTH=34 KM +/− 0.21 KM
mb(NEIS)=4.2
STATIONS USED=14, STAND DEV=3.04 SEC

KSH	4.6	80	EP	13 59 12.0	9.3		
			ES	14 00 02.0	6.4		
WMQ	14.1	63	EP	14 01 12.4	− 0.9		
GTA	23.0	69	EP	14 02 55.0	− 1.9		

1984 2 19
O=15 46 24.6 +/− 0.17 SEC
LAT=29.88 N +/− 2.82 KM
LONG=80.50 E +/− 2.00 KM
DEPTH=21 KM +/− 0.03 KM
Ms(CHINA)=4.6/7, Msz(NEIS)=4.3, mb(NEIS)=5.0
STATIONS USED=64, STAND DEV=2.31 SEC

LSA	9.3	88	P	15 48 41.9	1.3		
			S	15 50 19.8	− 6.1		
			LN	Ms=4.3		10.0	2.0
WMQ	15.0	20	EP	15 49 57.6	− 0.6		
GTA	18.5	53	PC	15 50 39.8	− 1.9		
CD2	20.1	81	EP	15 51 00.0	0.0		
KMI	20.3	98	PC	15 51 02.0	− 0.2		
			S	15 54 41.0	− 3.1		
			SS	15 55 05.0	− 7.2		
XAN	24.4	72	EP	15 51 44.0	0.6		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	15 56 09.0	9.3		
			LE	Ms=5.4		10.0	6.5
BTO	26.3	57	EP	15 52 02.0	1.2		
HHC	27.5	58	PD	15 52 14.0	2.2		
TIY	27.6	65	EP	15 52 13.2	0.5		
			ES	15 56 53.0	1.4		
			LN	Ms=4.7		18.0	1.4
			LE			12.0	0.7
WHN	29.2	80	EP	15 52 26.0	− 1.3		
BJI	30.8	61	EP	15 52 42.0	0.8		
TIA	31.2	68	EP	15 52 45.2	0.0		
			ES	15 57 48.0	− 1.5		
			LN	Ms=4.6		10.5	0.5
			LE			10.5	0.4
DL2	34.9	63	EP	15 53 13.0	− 4.0		
			LE	Ms=4.6		13.0	0.8
SSE	34.9	77	EP	15 53 18.4	0.8		
SNY	36.5	59	PC	15 53 31.8	0.7		
CN2	38.1	56	PC	15 53 44.6	0.4		
			ES	15 59 35.0	− 1.1		
			SCP	15 59 43.5	− 0.5		
			LE	Ms=4.7		11.0	0.7
MDJ	41.1	55	EP	15 54 09.0	− 0.5		

1984 2 19
O=19 22 00.4 +/− 0.20 SEC
LAT=6.10 S +/− 2.54 KM
LONG=150.57 E +/− 2.53 KM
DEPTH=33 KM +/− 0.83 KM
Ms(CHINA)=5.2/19, Msz(NEIS)=5.4, mb(NEIS)=5.3
STATIONS USED=62, STAND DEV=2.35 SEC

QZH	43.8	316	EP	19 30 05.0	− 0.6		
			ES	19 36 31.0	− 3.1		
			LE	Ms=5.2		18.0	2.9
SSE	46.4	324	EP	19 30 26.5	0.0		
			LN	Ms=5.3		18.0	2.2
			LE			18.0	2.0
GZH	46.5	309	EP	19 30 32.5	5.4		
			S	19 37 10.0	− 2.9		
QZN	47.3	302	EP	19 30 35.2	2.3		
NJ2	48.5	323	PU	19 30 42.5	− 0.1		
			S	19 37 42.5	1.6		
			XS	19 37 57.0	0.6		
			LN	Ms=5.2		19.0	2.5
WHN	50.3	318	EP	19 30 58.5	2.1		
DL2	52.2	331	EP	19 31 10.0	− 0.7		
			ES	19 38 32.5	0.5		
			LN	Ms=5.1		16.0	1.3
			LE			16.0	0.9
TIA	52.5	325	EP	19 31 12.1	− 0.8		
			PmZ			5.0	1.9
			ES	19 38 41.0	5.0		
			SmE			8.8	0.6
			LN	Ms=5.6		21.0	3.6
			LE			21.0	4.2
GYA	53.5	309	EPS	19 31 22.0	1.7		
			S	19 38 55.0	5.6		
SNY	53.7	335	EP	19 31 19.6	− 2.3		
			S	19 38 52.0	− 0.4		
			SmN			22.0	1.6
			SmE			22.0	1.5
			LN	Ms=5.2		22.0	0.9
			LE			20.0	1.8
MDJ	53.9	341	EP	19 31 21.5	− 1.9		
			ES	19 38 53.0	− 2.2		
			SmN			25.0	3.7
CN2	54.6	337	PU	19 31 27.4	− 1.2		
			PmZ			5.0	0.6
			ES	19 39 05.0	0.2		
			ESS	19 42 49.0	3.1		
			LN	Ms=5.0		15.0	1.0
BJI	55.8	328	(P)	19 31 34.5	− 2.6		
			ES	19 39 27.5	7.0		
			LN	Ms=5.3		17.5	2.1
			LE			18.0	1.2
KMI	55.9	305	EP	19 31 43.0	4.8		
			ES	19 39 35.0	12.4		
			SmE			8.0	0.3
			LE	Ms=5.0		18.0	1.1
XAN	56.1	318	EP	19 31 38.2	− 1.0		
			ES	19 39 30.0	5.5		
			LE	Ms=5.2		18.0	2.0
TIY	56.2	323	EP	19 31 47.2	6.8		
			ES	19 39 34.0	7.5		
			LN	Ms=5.5		21.0	3.9
CD2	57.9	312	EP	19 31 53.6	1.1		
			S	19 39 54.0	5.1		
			LE	Ms=5.0		15.0	0.9
HHC	58.8	326	EP	19 31 59.0	0.1		
BTO	59.5	324	EP	19 32 04.0	0.2		
LZH	60.6	317	EP	19 32 07.5	− 3.9		
GTA	65.1	318	EP	19 32 40.0	− 1.0		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	19 41 24.5	4.0		
			LE	Ms=5.0		16.0	0.7
LSA	67.2	305	ĒP	19 32 53.5	− 0.8		
WMQ	75.2	318	P	19 33 44.0	1.6		

1984 2 19
O=22 17 45.7 +/− 0.16 SEC
LAT=6.21 S +/− 1.87 KM
LONG=150.58 E +/− 1.51 KMM
DEPLH=41 KMT +/− 0.95 KM
Msz(NEIS)=4.3, mb(NEIS)=4.5
STATIONS USED=21, STAND DEV=1.92 SEC

SSE	46.5	324	EP	22 26 16.0	4.4		
TIA	52.6	325	EP	22 26 56.7	− 1.3		
SNY	53.8	335	EP	22 27 06.4	− 0.6		
CN2	54.7	337	EP	22 27 12.4	− 1.4		
XAN	56.2	318	EP	22 27 24.4	0.2		
CD2	58.0	312	EP	22 27 40.6	3.2		
GTA	65.2	318	EP	22 28 26.0	2.0		

1984 2 20
O=04 05 34.9 +/− 0.14 SEC
LAT=41.06 N +/− 1.87 KM
LONG=70.94 E +/− 0.97 KM
DEPTH=4 KM +/− 0.29 KM
mb(NEIS)=4.7
STATIONS USED=13, STAND DEV=1.54 SEC

KSH	4.2	110	EPG	04 06 57.0	5.9		
			ESG	04 07 42.0	− 3.9		
			S_mN	ML=5.1		2.0	3.8
GTA	22.1	84	P	04 10 31.4	− 1.6		

1984 2 20
O=11 34 03.9 +/− 0.21 SEC
LAT=28.85 N +/− 4.61 KM
LONG=130.74 E +/− 3.58 KM
DEPTH=31 KM +/− 2.21 KM
Ms(CHINA)=4.4/8, Msz(NEIS)=4.0, mb(NEIS)=5.0
STATIONS USED=28, STAND DEV=3.54 SEC

SSE	8.6	287	EP	11 36 09.0	0.0		
			XS	11 37 52.0	− 4.4		
			LN	Ms=4.2		12.0	0.6
			LE			12.0	1.7
NJ2	10.7	290	EP	11 36 37.7	− 1.1		
			LN	Ms=4.2		12.0	0.8
			LE			14.0	1.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
CN2	15.5	345	PC	11 37 44.5	2.4		
			ES	11 40 36.0	2.6		
			LN	Ms=4.4		11.0	1.3
BJI	16.4	316	E(P)	11 37 50.5	− 2.7		
			ESS	11 41 11.0	− 1.7		
			LN	Ms=4.5		14.0	1.4
			LE			12.0	0.9
TIY	17.7	304	EP	11 38 12.0	2.6		
			ES	11 41 29.0	− 6.6		
			LN	Ms=4.4		12.0	1.2
XAN	19.3	291	EP	11 38 26.8	− 2.6		
GYA	21.5	269	P	11 38 53.0	0.9		
CD2	23.5	281	EP	11 39 12.2	0.3		
LZH	23.8	294	EP	11 39 14.5	− 0.4		
KMI	25.2	268	EP	11 39 30.0	1.1		
GTA	27.6	300	EP	11 39 51.4	0.8		

1984 2 20
O=16 02 30.0 +/− 0.18 SEC
LAT=28.85 N +/− 2.08 KM
LONG=95.85 E +/− 1.75 KM
DEPTH=32 KM +/− 0.12 KM
Ms(CHINA)=4.3/7, mb(NEIS)=4.5, ML(CHINA)=3.9/2
STATIONS USED=33, STAND DEV=2.82 SEC

LSA	4.2	282	IPNC	16 03 36.7	2.9		
			I	16 03 48.3			
			SN	16 04 29.1	6.4		
			LN			0.8	0.2
			LE			1.0	0.1
CD2	7.2	71	EPN	16 04 16.2	0.8		
			LE	Ms=4.2		5.0	0.8
KMI	7.2	119	EPN	16 04 20.0	4.3		
			LN	Ms=4.4		5.0	1.6
GYA	9.9	101	PD	16 04 52.4	− 0.7		
			S	16 06 41.0	− 3.2		
LZH	9.9	41	EP	16 04 49.5	− 3.7		
			LG	16 07 30.0			
			LE	Ms=3.7		12.0	0.6
GTA	11.0	16	EP	16 05 05.6	− 3.4		
			LG_2	16 08 26.0	− 8.1		
			LN			2.2	0.03
			LE			2.4	0.04
XAN	12.3	61	EP	16 05 23.2	− 2.8		
			LN			10.0	6.5
QZN	16.1	124	EP	16 06 18.0	2.5		
WMQ	16.3	338	P	16 06 20.7	2.2		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
TIY	16.4	53	EP	16 06 21.0	1.0		
			ES	16 09 25.0	4.1		
			LN	Ms=4.3		10.0	0.9
TIA	19.4	62	EP	16 06 57.4	1.5		
BJI	20.1	50.	E(P)	16 07 05.0	1.1		
			LN	Ms=4.2		11.0	0.5
			LE			10.0	0.3
SNY	25.9	52	EP	16 08 05.5	4.0		
CN2	27.9	49	EP	16 08 24.4	4.5		
			ES	16 13 05.0	4.6		

1984 2 20
O=18 32 35.5
LAT=85.10 N
LONG=97.10 E
DEPTH=10 KM
Msz(NEIS)=4.3, mb(NEIS)=4.9

MDJ	41.5	144	EP	18 40 28.5	3.6		
WMQ	41.5	190	PC	18 40 23.5	− 1.7		
CN2	42.1	149	EP	18 40 30.6	0.6		
SNY	44.0	151	EP	18 40 43.4	− 2.0		
BJI	45.5	159	EP	18 40 55.5	− 2.1		
GTA	45.9	177	P	18 40 58.6	− 1.8		
TIA	49.4	158	EP	18 41 25.8	− 1.9		
GYA	58.8	169	P	18 42 35.4	− 2.1		

1984 2 20
O=21 55 59.8 +/− 0.09 SEC
LAT=41.34 N +/− 0.87 KM
LONG=131.99 E +/− 1.15 KM
DEPTH=558 KM +/− 1.36 KM
mb(NEIS)=4.2
STATIONS USED=30, STAND DEV=1.42 SEC

MDJ	3.7	332	IPC	21 57 20.5	− 0.4		
			P_mZ			0.9	0.4
			S	21 58 24.5	− 0.8		
			XS	21 58 31.0			
CN2	5.4	299	IPC	21 57 34.0	− 0.5		
			P_mZ			1.0	0.2
			S	21 58 50.0	0.4		
			S_mE			4.0	0.3
			EXP	21 58 57.0			
SNY	6.3	277	IPC	21 57 43.2	0.6		
			P_mZ			1.0	0.1
			EXP	21 59 07.4			
			S	21 59 06.0	1.7		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
BJI	12.1	269	EP	21 58 39.5	− 0.1		
TIA	12.7	251	P	21 58 45.9	0.2		
NJ2	14.0	232	PC	21 58 59.2	0.0		
XAN	19.6	255	EP_c	21 59 54.0	0.7		
GTA	24.5	276	P	22 00 39.0	1.2		
GYA	25.6	242	P	22 00 47.8	0.3		

1984 2 20
O=22 55 26.0 +/− 0.25 SEC
LAT=4.00 N +/− 1.32 KM
LONG=125.65 E +/− 3.38 KM
DEPTH=191 KM +/− 1.50 KM
mb(NEIS)=4.7
STATIONS USED=20, STAND DEV=1.87 SEC

XAN	33.7	334	EP	23 01 49.8	− 1.5
CD2	33.8	324	EP	23 01 52.4	0.3
SNY	37.7	357	IPD	23 02 25.4	0.4
CN2	39.6	359	PC	23 02 40.3	− 0.7
MDJ	40.6	4	PC	23 02 49.6	0.7
GTA	42.3	329	P	23 03 03.3	0.2
			PCP	23 04 55.3	2.4

1984 2 21
O=01 46 13.3 +/− 0.45 SEC
LAT=9.66 N +/− 4.70 KM
LONG=126.35 E +/− 3.65 KM
DEPTH=81 KM +/− 4.47 KM
mb(NEIS)=4.9
STATIONS USED=30, STAND DEV=3.93 SEC

SSE	21.9	348	EP	01 51 01.0	0.1		
			P_mZ			1.5	0.1
			ES	01 55 04.0	11.5		
NJ2	23.3	343	PC	01 51 16.0	0.7		
			S	01 55 31.0	12.4		
			S_mN			6.0	0.2
WHN	23.6	333	IPC	01 51 19.0	1.2		
TIA	27.7	343	EP	01 51 55.0	− 1.5		
XAN	29.1	329	EP	01 52 05.2	− 3.3		
BJI	31.6	344	EP	01 52 29.0	− 1.7		
SNY	32.1	356	PD	01 52 35.5	0.0		
CN2	34.0	358	P	01 52 51.2	− 0.7		
MDJ	34.9	4	EP	01 53 01.0	1.3		
GTA	37.9	325	EP	01 53 23.4	− 1.6		

1984 2 21
O=02 14 58.2 +/− 0.08 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
LAT=32.72 N			+/− 0.85 KM				
LONG=104.21 E			+/− 1.05 KM				
DEPTH=0 KM			+/− 0.02 KM				
ML(CHINA)=3.1/2							
STATIONS USED=4, STAND DEV=1.32 SEC							
LZH	3.4	354	EPN	02 15 51.5	− 1.9		
			ESN	02 16 40.0	5.0		
XAN	4.2	70	PG	02 16 12.8	− 1.2		
			SG	02 17 02.8	− 5.6		
			S_mN	ML=3.2		0.8	0.05
			S_mE			0.8	0.05
1984 2 21							
O=10 37 45.9			+/− 0.22 SEC				
LAT=40.89 N			+/− 2.25 KM				
LONG=122.92 E			+/− 1.21 KM				
DEPTH=1 KM			+/− 0.03 KM				
ML(CHINA)=3.7/15							
STATIONS USED=9, STAND DEV=1.76 SEC							
SNY	1.1	27	IPNC	10 38 07.2	− 0.5		
			SN	10 38 24.2	0.9		
			S_mN	ML=3.4		0.5	0.9
			S_mE			0.6	0.9
DL2	2.2	207	EPG	10 38 20.0	− 6.3		
			SG	10 38 46.4	− 8.9		
			S_mN	ML=3.8		0.5	0.5
			S_mE			0.5	0.8
CN2	3.5	31	PN	10 38 40.0	− 2.1		
			PG	10 38 50.0	1.1		
			SG	10 39 38.0	3.7		
			S_mN	ML=3.8		0.6	0.3
			S_mE			0.6	0.2
MDJ	6.2	50	EPG	10 39 39.0	0.8		
			SG	10 41 01.5	2.6		
			S_mN	ML=3.7		0.6	0.05
TIA	6.5	226	EPG	10 39 39.0	− 5.6		
			ESG	10 41 02.1	− 7.8		
			S_mN	ML=3.1		0.4	0.01
1984 2 21							
O=11 41 47.9			+/− 0.19 SEC				
LAT=12.51 N			+/− 2.43 KM				
LONG=142.09 E			+/− 0.78 KM				
DEPTH=35 KM			+/− 0.34 KM				
mb(NEIS)=4.3							
STATIONS USED=15, STAND DEV=0.79 SEC							
BII	35.7	324	EP	11 48 44.5	− 0.8		
GYA	36.0	297	P	11 48 49.0	0.6		
BTO	39.7	320	EP	11 49 19.2	0.3		
CD2	39.8	303	P	11 49 20.0	0.2		
GTA	45.9	313	PD	11 50 09.7	0.0		
WMQ	55.9	314	PD	11 51 25.0	− 0.6		
1984 2 21							
O=11 51 51.6			+/− 0.08 SEC				
LAT=36.02 N			+/− 1.63 KM				
LONG=140.05 E			+/− 1.08 KM				
DEPTH=89 KM			+/− 1.17 KM				
mb(NEIS)=5.1							
STATIONS USED=67, STAND DEV=1.26 SEC							
MDJ	11.7	320	EP	11 54 34.0	− 3.2		
CN2	13.6	309	PC	11 55 03.6	1.2		
			P_mZ			5.0	0.5
			ES	11 57 39.0	6.9		
			LN			13.0	0.5
SNY	14.1	299	EP	11 55 09.1	1.0		
			S	11 57 54.0	11.5		
			LN			11.0	0.4
			LE			11.0	0.4
DL2	14.9	286	EP	11 55 22.0	3.0		
			ES	11 58 12.5	10.1		
			S_mN			6.0	0.3
			LE			12.0	0.4
SSE	16.5	258	EP	11 55 40.8	2.2		
			P_mZ			0.7	0.03
			LE			10.0	0.3
NJ2	18.0	263	PD	11 55 57.8	0.2		
TIA	18.5	277	PD	11 56 02.6	− 1.0		
BJI	19.2	289	EP	11 56 08.5	− 2.8		
QZH	21.5	245	EP	11 56 33.6	− 1.1		
			S	12 00 27.0	4.3		
			LE			9.0	0.2
TIY	22.1	282	P	11 56 39.3	− 1.9		
			LE			11.0	0.3
WHN	22.1	263	IPD	11 56 41.5	0.4		
HHC	22.8	290	EP	11 56 46.0	− 1.5		
XAN	25.5	274	EP	11 57 13.6	− 0.1		
GZH	26.5	248	PD	11 57 23.3	0.8		
LZH	29.2	280	EP	11 57 46.5	− 0.6		
GYA	30.0	260	P	11 57 53.6	− 0.6		
GTA	31.8	288	P	11 58 09.6	− 0.9		
KMI	33.7	261	IPD	11 58 27.0	− 0.1		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			ES	12 03 48.0	4.7		
			S_mE			10.0	0.3
WMQ	40.3	297	EP	11 59 23.5	1.2		
LSA	41.2	275	IPC	11 59 32.0	2.0		

1984 2 21
O=13 02 12.6 +/- 0.07 SEC
LAT=37.03 N +/- 0.60 KM
LONG=103.91 E +/- 0.69 KM
DEPTH=4 KM +/- 0.12 KM
ML(CHINA)=3.4/5
STATIONS USED=5, STAND DEV=1.14 SEC

LZH	0.9	183	PN	13 02 32.0	- 0.6		
			SG	13 02 45.5	3.4		
			S_mN	ML=3.1		0.2	0.4
			S_mE			0.2	0.6
GTA	4.0	307	PN	13 03 15.5	- 0.9		
			SN	13 04 03.2	- 1.4		
			S_mN	ML=3.4		0.8	0.09
			S_mE			0.7	0.07
BTO	6.0	51	PG	13 04 03.2	2.0		
			SG	13 05 22.8	3.6		

1984 2 21
O=20 39 33.2 +/- 0.93 SEC
LAT=17.19 S +/- 2.62 KM
LONG=171.90 W +/- 5.40 KM
DEPTH=31 KM +/- 7.27 KM
mb(NEIS)=4.9
STATIONS USED=9, STAND DEV=0.34 ESEC

CN2	83.4	319	EP	20 51 59.0	- 0.6
SNY	83.6	317	EP	20 52 01.0	0.5
TIA	85.5	309	EP	20 52 10.1	0.0
BJI	87.7	313	EP	20 52 21.0	- 0.1
TIY	89.5	309	EP	20 52 30.0	0.3
GYA	90.1	297	EP	20 52 33.0	0.2

1984 2 22
O=02 04 06.1 +/- 0.08 SEC
LAT=3.59 S +/- 1.33 KM
LONG=128.85 E +/- 1.39 KM
DEPTH=46 KM +/- 0.04 KM
Ms(CHINA)=4.7/16, Msz(NEIS)=5.1, mb(NEIS)=5.4
STATIONS USED=70, STAND DEV=1.11 SEC

QZN	29.2	320	P	02 10 07.5	1.4		
			S	02 14 57.0	2.5		
			LN	Ms=4.7		13.0	1.1
QZH	30.1	341	EP	02 10 13.2	- 0.2		
			ES	02 15 10.0	2.5		
			S_mE			8.0	0.5
			SS	02 16 42.5	- 3.0		
			LN	Ms=4.4		13.0	0.6
GZH	30.5	331	EP	02 10 18.0	0.5		
SSE	35.3	348	EP	02 10 58.5	- 0.1		
			ES	02 16 30.0	1.5		
			LN	Ms=4.4		26.0	1.0
WHN	36.7	338	PC	02 11 11.7	1.2		
NJ2	36.7	345	PC	02 11 11.2	0.4		
			P_mZ			4.0	0.5
			S	02 16 52.0	1.3		
			S_mE			7.0	0.3
			LN	Ms=4.6		12.0	0.6
GYA	36.8	325	P	02 11 13.0	1.3		
			S	02 16 54.0	1.7		
KMI	38.2	319	PC	02 11 25.5	2.1		
			S	02 17 18.0	4.4		
			S_mE			7.0	1.0
TIA	41.1	345	P	02 11 46.8	- 0.5		
			ES	02 17 56.0	- 0.9		
			LN	Ms=4.7		17.0	0.6
			LE			17.0	0.8
CD2	41.8	326	P	02 11 54.1	0.6		
			ES	02 18 13.5	5.4		
XAN	41.9	334	EP	02 11 53.2	- 0.7		
			ES	02 18 08.0	- 0.9		
DL2	42.8	351	EP	02 12 02.0	0.6		
			P_mZ			4.0	0.3
			ES	02 18 22.0	- 0.2		
			SS	02 21 41.0	13.3		
			LE	Ms=4.8		16.0	0.9
TIY	43.8	341	EP	02 12 09.6	- 0.3		
			S	02 18 39.0	1.6		
BJI	44.9	346	EP	02 12 18.0	- 0.7		
			ES	02 18 49.0	- 4.4		
			LE	Ms=4.6		9.0	0.3
SNY	45.4	354	PR	02 12 22.0	- 0.8		
			S	02 19 05.5	4.9		
			SS	02 22 23.0	7.7		
			LE	Ms=4.9		16.0	1.1
LZH	45.9	331	EP	02 12 26.0	0.4		
			P_mZ			2.5	0.3
HHC	47.0	342	EP	02 12 34.5	- 0.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
CN2	47.3	356	EP	02 12 35.0	− 2.1		
			ES	02 19 21.0	− 5.5		
			LE	Ms=4.7		13.0	0.6
MDJ	48.0	0	EP	02 12 43.0	0.2		
LSA	49.0	315	P	02 12 52.2	1.4		
			ES	02 19 52.0	0.7		
GTA	50.4	330	P	02 13 02.1	0.2		
			ES	02 20 11.0	− 0.3		
			LE	Ms=4.6		13.5	0.4
WMQ	59.9	326	P	02 14 09.5	− 1.0		
			S	02 22 20.0	2.0		
			SmN			2.5	0.1

1984 2 22
O=05 44 41.4 +/− 0.21 SEC
LAT=39.48 N +/− 2.94 KM
LONG=53.95 E +/− 1.58 KM
DEPTH=34 KM +/− 0.65 KM
Ms(CHINA)=5.8/32, Msz(NEIS)=5.8, mb(NEIS)=5.1
STATIONS USED=69, STAND DEV=1.46 SEC

KSH	17.0	83	EP	05 48 33.0	− 5.6		
			ESS	05 52 01.0	− 4.6		
			LN	Ms=6.3		6.0	46.4
WMQ	25.5	69	P	05 50 09.0	0.5		
			S	05 54 23.0	− 8.2		
			LN	Ms=5.7		11.0	13.8
LSA	31.9	96	EP	05 51 07.9	0.7		
			S	05 56 14.9	− 0.7		
			LN	Ms=5.8		18.5	17.6
GTA	35.1	75	P	05 51 34.0	− 0.2		
			ES	05 57 02.5	− 1.8		
			LN	Ms=5.7		12.5	8.2
			LE			11.5	3.6
LZH	39.2	78	EP	05 52 09.0	0.7		
			PmZ			2.5	0.2
			ES	05 58 16.0	9.6		
			SmN			11.0	1.3
			SS	06 01 04.5	13.5		
			LN	Ms=5.9		12.0	9.7
CD2	41.1	86	EP	05 52 25.6	1.0		
			ES	05 58 32.0	− 3.7		
			LN	Ms=5.9		16.0	13.7
BTO	42.3	69	EP	05 52 35.0	0.8		
			S	05 58 48.5	− 4.5		
			LN	Ms=5.7		11.0	4.3
			LE			12.0	3.1
KMI	43.1	94	PD	05 52 41.0	− 0.1		
			ES	05 59 07.0	1.6		
			LN	Ms=5.7		20.0	9.9
HHC	43.4	68	EP	05 52 43.8	1.1		
			PP	05 54 25.0	− 0.6		
			S	05 59 05.0	− 3.3		
			LN	Ms=5.9		15.0	9.5
			LE			10.0	4.5
XAN	43.8	79	EP	05 52 45.0	− 1.3		
			ES	05 59 14.0	− 0.6		
			SS	06 02 26.0	3.1		
			SCS	06 02 43.0	3.6		
			LN	Ms=5.9		13.0	7.6
			LE			13.0	6.5
TIY	45.0	72	EP	05 52 57.6	1.4		
			PP	05 54 44.0	2.0		
			ES	05 59 32.0	− 0.6		
			SmN			10.0	1.2
			SS	06 03 00.0	14.4		
			LN	Ms=5.7		12.0	5.9
GYA	45.5	90	P	05 53 00.5	0.6		
			S	05 59 35.0	− 4.2		
			LN	Ms=5.6		17.0	6.7
BJI	46.9	68	EP	05 53 12.0	0.8		
			EPP	05 55 02.5	1.6		
			ES	06 00 01.5	2.0		
			SmN			9.0	0.6
			SmE			6.5	0.3
			ESS	06 03 18.0	− 0.5		
			LN	Ms=6.0		14.0	11.6
			LE			14.5	6.2
TJA	49.1	72	EP	05 53 25.6	− 2.3		
			PP	05 55 23.5	2.4		
			S	06 00 25.0	− 4.8		
			LN	Ms=5.8		14.0	2.9
			LE			15.0	5.9
WHN	49.5	80	EP	05 53 32.0	1.3		
DL2	51.3	67	P	05 53 44.0	− 0.7		
			ES	06 01 00.0	− 0.2		
			LN	Ms=5.8		13.0	4.6
			LE			11.0	3.2
SNY	51.5	63	EP	05 53 46.7	0.2		
			S	06 01 00.0	− 3.6		
			LN	Ms=6.1		13.0	9.8
			LE			13.0	4.1
QZN	52.0	96	P	05 53 52.0	2.0		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			EPPP	05 57 27.0			
			S	06 01 14.0	4.0		
			LN	Ms=5.7		15.0	2.7
			LE			17.0	5.1
CN2	52.1	60	EP	05 53 49.0	− 1.6		
			P_nZ			4.0	0.7
			PP	05 55 46.0	− 2.8		
			ES	06 01 08.0	− 3.1		
			LN	Ms=6.2		17.0	18.5
NJ2	52.2	76	PR	05 53 51.0	− 0.4		
			S	06 01 16.0	3.5		
			SS	06 04 56.0	9.2		
			LN	Ms=5.9		16.0	7.1
			LE			14.0	3.4
GZH	52.4	89	EP	05 53 56.2	3.0		
			ES	06 01 18.0	2.2		
			LN	Ms=5.8		15.0	5.3
			LE			13.0	4.4
SSE	54.4	76	EP	05 54 07.4	− 0.4		
			ES	06 01 40.5	− 1.9		
			ESS	06 05 20.0	− 2.9		
			LN	Ms=5.9		16.0	7.5
MDJ	54.5	58	EP	05 54 08.0	− 0.8		
			S	06 01 44.0	− 0.4		
			LN	Ms=6.3		16.0	22.4
QZH	55.5	84	P	05 54 20.5	4.7		
			S	06 02 04.0	6.7		
			LN	Ms=5.9		18.0	7.8
			LE			16.0	3.1

1984 2 22
O=13 45 02.0 +/− 0.09 SEC
LAT=45.17 N +/− 3.39 KM
LONG=150.43 E +/− 2.15 KM
DEPTH=42 KM +/− 0.63 KM
mb(NEIS)=4.9
STATIONS USED=38, STAND DEV=1.65

MDJ	14.8	275	EP	13 48 31.2	1.0
SNY	19.7	269	EP	13 49 30.5	− 0.7
DL2	22.2	263	P	13 49 57.9	1.2
BJI	25.6	270	EP	13 50 28.5	− 1.0
TIA	26.6	262	P	13 50 39.9	0.8
SSE	26.8	248	EP	13 50 41.2	0.8
NJ2	27.7	252	PC	13 50 48.6	− 0.5
HHC	28.6	275	EP	13 50 56.6	0.0
WHN	31.7	255	P	13 51 23.5	− 1.0
XAN	33.5	265	EP	13 51 38.8	− 1.4
LZH	36.1	272	EP	13 52 01.5	− 0.7
GTA	37.4	279	P	13 52 12.5	− 0.7
			PCP	13 54 33.2	2.2
CD2	38.9	264	EP	13 52 25.6	0.0
GYA	39.5	256	P	13 52 30.8	− 0.4
KMI	43.1	258	EP	13 53 00.5	− 0.2

1984 2 22
O=15 22 43.0 +/− 0.12 SEC
LAT=34.47 N +/− 3.20 KM
LONG=139.57 E +/− 2.39 KM
DEPTH=22 KM +/− 1.26 KM
Ms(CHINA)=4.2/10, mb(NEIS)=4.9
STATIONS USED=38, STAND DEV=2.60

MDJ	12.7	325	EP	15 25 46.8	1.0	
CN2	14.4	314	EP	15 26 11.0	3.4	
			ES	15 28 53.0	5.5	
			LN	Ms=4.1	12.0	0.6
			LE		12.0	0.6
SNY	14.6	304	PR	15 26 14.2	4.2	
			LN	Ms=4.2	14.0	1.2
NJ2	17.5	267	PC	15 26 47.5	− 0.1	
			LN	Ms=4.2	10.0	0.5
			LE		11.0	0.5
TIA	18.4	281	EP	15 26 60.0	1.2	
			ES	15 30 25.0	− 3.8	
			LN	Ms=4.4	11.0	0.7
			LE		18.0	1.5
BJI	19.4	293	(P)	15 27 10.0	− 0.9	
WHN	21.6	266	P	15 27 35.4	1.5	
XAN	25.3	277	EP	15 28 09.2	− 0.8	
GYA	29.4	263	P	15 28 46.0	− 1.3	
GTA	32.0	290	EP	15 29 09.6	− 0.8	
			LE	Ms=4.2	13.0	0.3
KMI	33.1	263	EP	15 29 19.0	− 1.7	
			LE	Ms=4.7	16.0	1.1

1984 2 22
O=20 11 26.9 +/− 0.07 SEC
LAT=2.20 N +/− 7.85 KM
LONG=126.52 E +/− 3.47 KM
DEPTH=64 KM +/− 5.32 KM
mb(NEIS)=5.1
STATIONS USED=31, STAND DEV=1.24

QZH	23.4	316	EP	20 16 31.6	0.9

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GZH	24.4	329	EP	20 16 40.5	0.1		
WHN	30.5	333	E(P)	20 17 36.0	0.0		
NJ2	30.6	347	EP	20 17 37.0	0.1		
GYA	30.7	323	EP	20 17 39.4	0.7		
KMI	32.3	316	EP	20 17 53.5	0.8		
XAN	35.7	334	EP	20 18 20.0	− 1.4		
CD2	35.8	325	EP	20 18 21.9	− 0.1		
DL2	36.8	353	P	20 18 31.7	1.0		
TIY	37.6	341	EP	20 18 37.4	− 0.4		
BJI	38.8	347	EP	20 18 47.5	0.0		
SNY	39.5	356	IPD	20 18 55.1	1.6		
LZH	39.7	330	P	20 18 55.5	0.3		
			P_mZ			1.5	0.07
HHC	40.8	342	E(P)	20 19 00.5	− 3.4		
CN2	41.4	358	PC	20 19 10.4	1.2		
MDJ	42.3	3	EP	20 19 17.5	1.0		
GTA	44.3	330	P	20 19 32.7	0.0		
WMQ	53.9	325	P	20 20 46.0	− 0.2		

1984 2 23
O=12 15 21.6 +/− 0.10 SEC
LAT=24.46 N +/− 2.02 KM
LONG=122.08 E +/− 1.52 KM
DEPTH=37 KM +/− 0.91 KM
Ms(CHINA)=4.0/3, mb(NEIS)=4.6, ML(CHINA)=4.6/8
STATIONS USED=58, STAND DEV=1.74 SEC

QZH	3.2	279	IPD	12 16 11.0	0.1		
			IS	12 16 42.8	− 5.6		
			S_mN	ML=4.4		0.4	1.6
			S_mE			0.6	1.2
SSE	6.7	353	EP	12 16 59.8	0.1		
			LG_2	12 19 04.5	3.1		
			LE	Ms=4.5		7.0	3.2
NJ2	8.1	340	PD	12 17 18.8	− 0.7		
			S	12 18 42.5	− 8.1		
			LE			4.0	1.3
GZH	8.1	262	P	12 17 19.5	− 0.4		
			S	12 18 40.0	−11.4		
			LN			1.0	0.4
			LE			0.8	0.3
WHN	9.2	313	P	12 17 31.5	− 2.8		
			LN			1.0	0.2
			LE			1.0	0.2
TIA	12.5	341	EP	12 18 18.1	− 1.5		
			ES	12 20 28.5	− 9.8		
QZN	12.6	246	EP	12 18 24.4	3.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GYA	14.1	281	P	12 18 40.8	0.0		
XAN	14.9	312	EP	12 18 50.6	− 1.3		
TIY	15.6	330	P	12 19 01.6	1.3		
			ES	12 21 55.0	2.9		
			LN	Ms=3.8		9.0	0.3
SNY	17.4	3	EP	12 19 25.7	2.7		
KMI	17.6	276	EP'	12 19 25.5	− 0.3		
			ES	12 22 36.0	−13.2		
			LE	Ms=4.0		10.0	0.4
HHC	18.6	334	EP	12 19 39.0	1.1		
CN2	19.5	7	EP	12 19 48.2	− 0.4		
LZH	19.5	310	P	12 19 49.0	0.0		
MDJ	21.0	15	EP	12 20 04.5	− 0.3		
GTA	24.0	313	P	12 20 33.9	− 0.2		
			S	12 24 43.0	− 2.8		
			S_mE			5.0	0.2

1984 2 23
O=15 22 48.7 +/− 0.14 SEC
LAT=40.05 N +/− 2.35 KM
LONG=67.69 E +/− 1.64 KM
DEPTH=34 KM +/− 0.30 KM
Ms(CHINA)=4.6/8, Msz(NEIS)=4.0, mb(NEIS)=5.2
STATIONS USED=54, STAND DEV=1.98 SEC

KSH	6.4	92	EP	15 24 25.0	1.4		
			ES	15 25 39.0	2.3		
			LN	Ms=5.5		6.0	28.6
WMQ	15.4	69	PD	15 26 25.0	0.2		
			LN	Ms=4.8		6.0	1.9
LSA	21.8	111	P	15 27 42.0	1.8		
			ES	15 31 35.4	0.6		
			LN	Ms=4.2		12.0	0.6
GTA	24.7	81	P	15 28 08.6	0.6		
			XS	15 32 37.5	− 1.9		
			LN	Ms=4.6		11.0	1.0
LZH	28.6	86	EP	15 28 44.5	− 0.1		
CD2	30.6	95	EP	15 29 03.2	1.2		
KMI	32.8	106	EP	15 29 23.0	1.0		
			ES	15 34 35.0	− 1.4		
XAN	33.2	87	EP	15 29 25.0	− 0.2		
			LN	Ms=4.5		12.0	0.5
			LE			12.0	0.4
TIY	34.6	79	EP	15 29 37.8	0.4		
			ES	15 35 06.0	1.9		
			LN	Ms=4.7		9.0	0.6
GYA	35.0	100	P	15 29 40.4	− 0.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
BJI	36.8	73	EP	15 29 55.5	0.3		
TIA	38.7	79	EP	15 30 11.4	0.0		
			ES	15 36 06.0	0.0		
			LN	Ms=4.7		13.0	0.4
			LE			13.0	0.6
WHN	38.9	89	EP	15 30 14.5	1.6		
SNY	41.6	68	EP	15 30 35.4	− 0.3		
CN2	42.4	65	EP	15 30 41.8	− 0.3		
SSE	43.9	84	EP	15 30 55.0	1.0		
MDJ	45.0	62	EP	15 31 03.5	0.1		

1984 2 24
O=00 27 49.4 +/− 0.14 SEC
LAT=9.32 N +/− 1.71 KM
LONG=126.44 E +/− 2.36 KM
DEPTH=72 KM +/− 1.14 KM
mb(NEIS)=5.1
STATIONS USED=55, STAND DEV=1.57 SEC

QZH	17.2	335	PU	00 31 48.0	0.9		
			XP	00 32 06.5	− 2.9		
			ES	00 35 00.0	3.2		
			LN			18.0	1.4
			LE			16.0	0.8
QZN	18.8	302	EP	00 32 06.0	0.8		
			S	00 35 30.0	− 0.5		
			S_mN			10.0	1.0
			S_mE			10.0	0.9
SSE	22.2	347	EP	00 32 42.0	0.8		
			P_mZ			1.0	0.05
			ES	00 36 42.0	5.7		
NJ2	23.7	343	PD	00 32 56.7	1.1		
			AP	00 33 10.6	− 1.1		
			EXP	00 33 17.0	− 3.7		
			S	00 37 09.0	6.7		
			XS	00 37 33.0	3.0		
			LN			11.0	0.5
WHN	23.9	333	EP	00 33 00.0	2.0		
GYA	25.3	314	P	00 33 15.0	3.5		
			AP	00 33 28.0	0.4		
			S	00 37 37.0	6.7		
KMI	27.5	307	EP	00 33 32.5	1.0		
TIA	28.1	343	EP	00 33 35.4	− 1.3		
XAN	29.4	329	EP	00 33 47.0	− 1.5		
			ES	00 38 32.0	− 4.1		
DL2	29.8	352	EP	00 33 51.5	− 0.2		
			LN			16.0	0.6

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
CD2	30.1	318	EP	00 33 56.8	1.3		
TIY	31.0	338	EP	00 34 03.2	0.8		
			ES	00 39 11.0	10.1		
			LN			11.0	0.5
BJI	31.9	345	EP	00 34 09.5	− 1.2		
SNY	32.5	356	PU	00 34 16.0	0.5		
			S	00 39 27.0	2.7		
			LN			30.0	0.9
			LE			24.0	0.7
HHC	34.1	339	EP	00 34 25.7	− 3.6		
CN2	34.4	358	PC	00 34 31.5	− 0.3		
			P_mZ			4.0	0.3
			AP	00 34 48.5	− 0.3		
			PP	00 35 48.0	− 0.3		
			ES	00 39 56.0	2.4		
			LE			14.0	0.5
MDJ	35.3	3	EP	00 34 40.6	1.1		
GTA	38.3	325	P	00 35 02.4	− 2.4		
			PCP	00 37 18.4	0.9		
			LE			18.0	1.0
LSA	38.7	306	P	00 35 09.4	0.4		
WMQ	48.1	322	P	00 36 23.7	− 0.5		

1984 2 24
O=12 51 29.3 +/− 0.07 SEC
LAT=36.47 N +/− 1.47 KM
LONG=70.35 E +/− 1.00 KM
DEPTH=211 KM +/− 0.12 KM
mb(NEIS)=5.0
STATIONS USED=81, STAND DEV=1.04 SEC

KSH	5.4	54	IPR	12 52 50.0	0.4		
			IS	12 53 50.0	− 1.8		
			LN			4.0	20.3
WMQ	15.1	55	P	12 54 54.0	− 0.3		
			S	12 57 38.0	1.3		
			S_mN			6.0	3.0
			S_mE			4.0	4.2
LSA	18.7	105	PC	12 55 36.4	1.9		
			XP	12 56 38.0	4.4		
			S	12 58 57.0	5.1		
			S_mN			7.0	0.8
			S_mE			4.0	1.1
GTA	23.4	73	IPC	12 56 22.0	1.3		
			P_mZ			2.5	0.4
			XP	12 57 29.5	3.9		
			S	13 00 19.5	4.2		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S_mE			10.0	0.6
LZH	26.9	80	IPC	12 56 53.5	− 0.1		
			P_mZ			1.5	0.08
			ES	13 01 13.0	− 0.8		
			SCP	13 03 28.0	− 0.1		
			SCS	13 07 17.0	− 1.2		
CD2	28.3	91	IPC	12 57 06.0	0.6		
			P_mZ			1.2	0.3
			S	13 01 36.5	1.8		
KM1	29.9	103	IPC	12 57 20.0	− 0.2		
			XP	12 58 31.0	4.2		
			S	13 02 04.0	2.9		
			S_mE			4.0	0.3
BTO	31.1	70	EP	12 57 31.0	0.3		
XAN	31.5	82	EP	12 57 32.6	− 0.9		
			S	13 02 25.0	0.0		
HHC	32.3	69	EP	12 57 40.6	− 0.1		
GYA	32.4	97	PU	12 57 41.6	0.0		
			PCP	13 00 23.0	− 0.5		
			S	13 02 39.0	− 0.6		
			SCP	13 03 45.0	− 0.7		
			SCS	13 07 42.0	− 2.1		
TIY	33.4	74	EP	12 57 50.2	− 0.1		
			EXP	12 58 53.0	− 4.5		
			ES	13 02 49.5	− 5.7		
			LN			10.0	0.4
BJI	35.9	70	EP	12 58 11.5	0.4		
WHN	36.9	86	PC	12 58 20.5	0.5		
			PCP	13 00 36.0	− 0.6		
			SCP	13 04 01.0	− 0.9		
TIA	37.4	76	P	12 58 24.4	0.5		
			PCP	13 00 37.0	− 1.0		
			SCP	13 04 02.1	− 1.6		
			ES	13 03 57.6	1.4		
			S_mN			9.0	0.4
			SCS	13 08 08.1	− 3.1		
QZN	38.7	105	IPD	12 58 34.6	− 0.3		
GZH	39.3	97	IP	12 58 39.0	− 0.9		
NJ2	40.0	81	PC	12 58 45.8	0.3		
			P_mZ			5.5	0.3
			PCP	13 00 45.6	− 0.7		
			SCP	13 04 12.8	− 0.8		
DL2	40.2	70	PD	12 58 47.7	0.4		
			ES	13 04 39.0	0.5		
SNY	41.1	65	IPD	12 58 54.0	− 0.3		
			P_mZ			0.8	0.03
			PCP	13 00 49.2	− 0.6		
			SCP	13 04 16.6	− 1.3		
			S	13 04 46.0	− 5.1		
			XS	13 06 12.0	2.8		
			SS	13 07 60.0	3.5		
CN2	42.1	62	EP	12 59 01.6	− 1.0		
SSE	42.2	81	EP	12 59 04.0	0.6		
			P_mE			1.0	0.04
			P_mZ			1.0	0.08
			S	13 05 08.0	0.5		
			XS	13 06 30.0	4.1		
QZH	42.6	91	EP	12 59 07.2	0.1		
MDJ	44.9	60	EP	12 59 24.5	− 0.4		

1984 2 24
O=18 27 32.4 +/− 0.29 SEC
LAT=6.51 S +/− 0.86 KM
LONG=154.63 E +/− 2.55 KM
DEPTH=39 KM +/− 2.78 KM
mb(NEIS)=5.2
STATIONS USED=23, STAND DEV=2.74 SEC

CN2	56.6	334	EP	18 37 15.8	1.4		
GYA	56.9	307	P	18 37 16.0	− 0.4		
XAN	59.1	316	EP	18 37 29.7	− 2.3		
KM1	59.4	304	EP	18 37 35.0	0.4		
CD2	61.2	310	EP	18 37 46.0	− 0.5		
GTA	68.1	316	EP	18 38 30.9	− 0.6		
WMQ	78.2	317	EP	18 39 34.5	3.8		

1984 2 24
O=21 21 08.9 +/− 0.16 SEC
LAT=21.24 S +/− 4.62 KM
LONG=170.18 E +/− 3.93 KM
DEPTH=93 KM +/− 1.19 KM
mb(NEIS)=5.4
STATIONS USED=73, STAND DEV=2.95 SEC

QZH	68.0	309	P	21 32 02.0	1.4		
			S	21 40 51.0	− 0.2		
			S_mE			10.0	0.5
SSE	70.1	316	EP	21 32 12.6	− 1.3		
GZH	70.8	305	EP	21 32 18.0	0.3		
QZN	71.3	299	EP	21 32 21.8	0.6		
NJ2	72.3	315	PC	21 32 26.0	− 0.6		
			S	21 41 36.5	− 4.7		
			S_mE			7.0	0.2
DL2	75.1	322	P	21 32 42.9	− 0.5		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
MDJ	75.3	331	EP	21 32 44.3	0.0		
TIA	76.0	318	P	21 32 48.0	− 0.5		
SNY	76.1	325	EP	21 32 47.7	− 1.3		
			IS	21 42 24.0	− 0.3		
CN2	76.6	328	IPC	21 32 51.0	− 0.8		
			P_mZ			3.0	0.3
			AP	21 33 13.0	− 2.4		
			XP	21 33 23.0	− 2.8		
			ES	21 42 26.0	− 3.7		
			S_mN			6.0	0.3
			S_mE			6.0	0.3
GYA	77.7	304	P	21 32 58.0	0.1		
			AP	21 33 22.0	0.7		
			S	21 42 42.0	0.5		
BJI	79.0	320	EP	21 33 04.5	− 0.7		
TIY	79.9	317	EP	21 33 10.0	0.1		
			P_mZ			1.0	0.04
			AP	21 33 31.0	− 2.5		
			S	21 43 08.0	3.1		
			S_mE			6.0	0.5
KMI	80.1	301	P	21 33 12.0	1.0		
			AP	21 33 33.0	− 1.5		
			S	21 43 11.0	3.9		
XAN	80.1	312	P	21 33 10.8	− 0.2		
			S	21 43 09.0	1.9		
CD2	82.1	307	EP	21 33 22.4	0.7		
HHC	82.3	319	P	21 33 22.5	− 0.1		
BTO	83.1	318	EP	21 33 27.0	0.3		
LZH	84.7	311	IPC	21 33 36.5	1.7		
			P_mZ			1.5	0.09
GTA	89.1	313	P	21 33 56.4	0.2		
LSA	91.3	301	PD	21 34 07.5	0.8		
WMQ	99.2	313	EP	21 34 42.5	0.1		
			SKS	21 45 11.1	1.4		
			S_mN			2.5	0.05

1984 2 25
O=04 58 05.3 +/− 0.06 SEC
LAT=36.96 N +/− 1.74 KM
LONG=141.11 E +/− 0.94 KM
DEPTH=80 KM +/− 1.11 KM
mb(NEIS)=4.8
STATIONS USED=26, STAND DEV=1.26 SEC

MDJ	11.6	314	EP	05 00 52.0	2.2		
CN2	13.7	304	EP	05 01 17.7	− 0.5		
NJ2	19.0	261	EP	05 02 22.3	− 0.8		
TIA	19.3	275	EP	05 02 27.2	0.8		
BJI	19.7	286	EP	05 02 31.5	0.1		
XAN	26.3	273	EP	05 03 35.0	− 0.7		
GYA	31.0	260	P	05 04 17.4	− 0.3		
GTA	32.4	287	EP	05 04 29.4	− 0.4		

1984 2 25
O=06 41 01.9 +/− 0.09 SEC
LAT=7.16 S +/− 1.78 KM
LONG=103.52 E +/− 2.17 KM
DEPTH=33 KM +/− 0.35 KM
Ms(CHINA)=6.1/32, Msz(NEIS)=5.6, mb(NEIS)=5.5
STATIONS USED=86, STAND DEV=1.37 SEC

QZN	26.8	13	PU	06 46 42.0	1.1		
			XS	06 51 24.5	− 3.4		
			LN	Ms=6.0		11.0	10.1
			LE			12.0	23.1
GZH	31.6	17	PU	06 47 24.5	0.6		
			PP	06 48 29.5	1.4		
			S	06 52 36.0	6.7		
			S_mN			9.0	3.8
			S_mE			10.0	4.0
			LN	Ms=6.3		12.0	14.3
			LE			12.0	32.6
KMI	32.1	358	PD	06 47 36.0	7.2		
			AP	06 47 41.0	3.3		
			IS	06 52 46.0	7.8		
			S_mN			8.0	2.7
			LN	Ms=6.3		13.0	45.7
GYA	33.6	5	PU	06 47 42.0	0.6		
			AP	06 47.53.0	2.5		
			S	06 52 60.0	− 0.8		
			S_mN			8.0	3.0
			S_mE			8.0	1.9
			XS	06 53 13.0	− 2.8		
			SS	06 55 07.0	2.3		
			LE	Ms=6.4		14.0	58.0
QZH	35.1	24	PR	06 47 54.0	− 0.7		
			P_mN			7.0	0.7
			P_mE			5.0	0.5
			P_mZ			8.0	1.9
			XP	06 48 11.0	3.1		
			PP	06 49 15.5	2.0		
			PP_mN			11.0	1.5
			PP_mE			11.0	1.0
			PP_mZ			11.0	1.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			PPP	06 49 34.5			
			IS	06 53 25.0	0.2		
			S_mN			11.0	1.9
			S_mE			11.0	1.7
			SS	06 55 50.0	9.0		
			LN	Ms=5.7		12.0	6.9
			LE			10.0	3.6
CD2	37.9	0	EP	06 48 17.8	0.0		
			S	06 54 06.0	− 0.8		
			LE	Ms=6.2		15.0	29.4
LSA	38.5	342	P	06 48 23.9	0.0		
			PCP	06 50 38.3	2.6		
			IS	06 54 17.3	− 0.6		
			S_mN			8.0	1.3
			S_mE			8.0	1.1
			SCS	06 58 26.3	− 2.4		
			LN	Ms=5.6		14.0	4.0
			LE			14.0	4.4
WHN	38.9	14	E(P)	06 48 27.0	0.5		
XAN	41.3	6	P	06 48 45.0	− 1.4		
			S	06 54 59.0	0.5		
			SS	06 58 03.0	5.5		
			LN	Ms=6.2		14.0	12.4
			LE			12.0	18.3
SSE	41.6	23	IPU	06 48 50.0	0.9		
			P_mN			8.0	1.0
			P_mE			8.0	0.4
			P_mZ			8.0	2.2
			SCP	06 54 32.0	0.1		
			PCS	06 54 38.0	2.2		
			ES	06 55 08.0	4.6		
			SCS	06 58 52.0	5.1		
			LE	Ms=6.0		12.0	11.7
NJ2	41.6	19	PU	06 48 50.0	0.8		
			P_mZ			8.0	2.3
			LN	Ms=6.1		13.0	7.4
			LE			13.0	14.0
LZH	43.0	0	PC	06 49 01.2	0.5		
			P_mZ			1.5	0.5
			ES	06 55 26.0	1.9		
			S_mN			10.0	4.9
			SS	06 58 34.0	4.3		
			LN	Ms=6.3		12.0	21.0
			LE			13.0	16.6
TIA	45.0	15	EP	06 49 15.6	− 0.8		
			P_mZ			8.5	0.9
			XP	06 49 33.3	3.6		
			PP	06 51 03.0	0.6		
			PCS	06 54 46.3	− 3.1		
			ES	06 55 55.6	3.1		
			S_mN			10.0	1.4
			S_mE			10.0	1.3
			SCS	06 59 13.0	5.3		
			LN	Ms=6.3		13.0	24.5
			LE			11.0	5.5
TIY	45.4	9	PU	06 49 19.5	− 0.3		
			P_mZ			6.0	2.3
			AP	06 49 31.0	1.9		
			XP	06 49 37.0	4.0		
			PP	06 51 08.0	1.7		
			ES	06 56 03.0	4.4		
			XS	06 56 09.0	− 4.9		
			SS	06 59 27.0	14.0		
			LE	Ms=6.1		13.0	14.2
GTA	46.5	356	PC	06 49 28.2	0.0		
			S	06 56 17.0	3.3		
			LN	Ms=6.1		13.0	13.8
BTO	47.9	6	IPU	06 49 39.0	− 0.5		
			EXP	06 49 57.0	4.3		
			S	06 56 33.5	− 0.5		
			LN	Ms=6.4		14.0	8.6
			LE			13.0	25.0
HHC	48.3	8	EP	06 49 43.5	0.6		
			S	06 56 50.0	9.7		
			LE	Ms=6.3		16.0	26.0
BJI	48.4	13	EP	06 49 43.0	− 0.2		
			PP	06 51 35.0	0.2		
			ES	06 56 44.0	3.2		
			S_mN			9.0	2.0
			LN	Ms=6.0		15.0	12.6
WMQ	52.7	345	P	06 50 15.0	− 1.3		
			P_mZ			1.5	0.4
			AP	06 50 26.5	0.9		
			IS	06 57 45.0	4.1		
			S_mN			7.0	6.9
			S_mE			7.0	4.1
			LN	Ms=5.9		13.0	7.6
KSH	52.9	333	EP	06 50 18.0	0.2		
			PP	06 52 20.0	2.0		
			IS	06 57 46.0	2.3		
			S_mE			9.0	6.7
			LE	Ms=5.9		14.0	8.0

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
CN2	54.5	19	PC	06 50 28.0	− 1.0		
			P_mZ			6.0	1.6
			EAF	06 50 40.0	1.4		
			PP	06 52 32.0	0.1		
			PCS	06 55 25.0	− 4.6		
			S	06 58 03.0	− 1.4		
			S_mN			8.0	1.4
			SCS	07 00 08.0	− 3.4		
			LE	Ms=6.1		13.0	10.2
MDJ	56.6	22	EP	06 50 43.5	− 1.2		
			S	06 58 36.0	2.7		
			LN	Ms=6.1		12.0	9.0

1984 2 25
O=07 31 35.6 +/− 0.20 SEC
LAT=36.87 N +/− 5.24 KM
LONG=141.28 E +/− 1.00 KM
DEPTH=72 KM +/− 3.42 KM
mb(NEIS)=4.7
STATIONS USED=16, STAND DEV=3.58 SEC

MDJ	11.8	314	EP	07 34 23.5	0.9		
CN2	13.9	304	PC	07 34 55.8	4.9		
TIA	19.4	275	EP	07 36 01.0	2.1		

1984 2 25
O=15 29 14.1 +/− 0.08 SEC
LAT=16.83 S +/− 1.72 KM
LONG=174.63 W +/− 1.66 KM
DEPTH=260 KM +/− 0.52 KM
mb(NEIS)=5.5
STATIONS USED=68, STAND DEV=0.96 SEC

QZH	77.2	301	IPD	15 40 42.2	0.7		
			IS	15 50 09.5	1.2		
			S_mN			8.0	0.6
			S_mE			8.0	0.7
			XS	15 52 00.0	6.2		
SSE	77.9	307	PU	15 40 45.0	− 0.5		
			ES	15 50 11.0	− 4.9		
			LN			24.0	5.6
MDJ	79.4	323	IPC	15 40 52.5	− 1.3		
			AP	15 41 53.0	− 1.6		
			XP	15 42 20.0	− 1.8		
			S	15 50 34.0	1.6		
			S_mE			7.0	1.6
NJ2	80.1	307	PC	15 40 57.5	0.2		
			EAP	15 41 58.6	0.4		

STA. CODE	△ deg	AZ deg	PHASE	RESID h m s	UTC sec	T sec	A μ
			S	15 50 40.0	0.9		
			S_mE			14.0	0.7
DL2	81.3	314	PU	15 41 03.5	− 0.3		
			AP	15 42 05.0	0.2		
			ES	15 50 53.0	1.1		
			S_mN			7.0	0.6
			S_mE			6.0	0.6
CN2	81.4	320	IPC	15 41 04.0	− 0.3		
			P_mZ			3.0	0.7
			AP	15 42 05.0	− 0.3		
			XP	15 42 31.0	− 1.5		
			PP	15 44 10.0	− 5.9		
			ES	15 50 49.0	− 3.8		
			S_mE			7.0	0.8
			EXS	15 52 35.0	− 4.4		
			SS	15 56 12.0	− 4.9		
SNY	81.5	318	IPU	15 41 04.7	− 0.1		
			P_mZ			3.0	0.8
			AP	15 42 05.0	− 0.9		
			XP	15 42 30.0	− 3.1		
			SKS	15 50 55.5	1.3		
			XS	15 52 45.0	4.4		
WHN	82.9	304	EP	15 41 12.5	0.5		
TIA	83.2	310	PC	15 41 13.2	− 0.4		
			AP	15 42 14.8	0.0		
			XP	15 42 42.5	0.6		
			ES	15 51 12.0	1.0		
			S_mE			8.5	1.4
			XS	15 52 57.5	− 0.7		
			SS	15 56 43.5	− 0.2		
BJI	85.6	313	EP	15 41 26.5	1.2		
			AP	15 42 26.0	− 0.8		
			SKS	15 51 25.0	3.3		
			ES	15 51 37.5	3.6		
TIY	87.3	310	PC	15 41 34.1	0.6		
			P_mZ			1.0	0.06
			AP	15 42 36.5	1.4		
			XP	15 43 04.0	1.9		
			SKS	15 51 38.0	5.4		
			S	15 51 52.0	2.1		
			S_mE			10.0	0.7
GYA	87.7	298	P	15 41 36.8	1.4		
			AP	15 42 40.0	3.0		
			SKS	15 51 42.0	6.9		
			S	15 51 58.0	4.3		
			S_mE			6.0	0.7

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
XAN	88.5	306	P	15 41 39.6	0.3		
			AP	15 42 42.0	0.9		
			SKS	15 51 41.0	0.7		
			S	15 52 05.5	4.2		
HHC	89.1	313	PD	15 41 43.2	0.9		
KMI	90.6	295	EP	15 41 51.5	2.4		
			AP	15 42 53.5	2.6		
			S	15 52 28.0	7.7		
			S_mE			7.0	0.7
CD2	91.5	301	EP\	15 41 55.0	1.5		
			SKS	15 52 02.0	3.8		
			S	15 52 30.0	1.5		
LZH	93.1	306	PC	15 42 01.2	0.3		
			P_mZ			1.5	0.05

1984 2 25
O=22 13 21.1 +/- 0.10 SEC
LAT=12.58 N +/- 1.75 KM
LONG=142.61 E +/- 0.78 KM
DEPTH=125 KM +/- 0.68 KM
mb(NEIS)=4.9
STATIONS USED=34, STAND DEV=1.01 SEC

WHN	31.7	308	EP	22 19 35.5	0.6		
BJI	35.9	324	EP	22 20 11.5	0.0		
GYA	36.5	297	P	22 20 17.4	1.3		
TIY	36.8	318	EP	22 20 19.0	0.3		
			P_mZ			0.8	0.03
XAN	37.3	310	P	22 20 22.8	- 0.7		
HHC	39.2	321	EP	22 20 39.5	0.9		
KMI	39.6	294	PD	22 20 43.5	1.1		
BTO	40.0	320	EP	22 20 45.6	0.3		
CD2	40.2	303	PD	22 20 47.6	0.6		
			P_mZ			0.8	0.07
LZH	42.0	310	PD	22 21 02.5	0.6		
			P_mZ			1.5	0.07
GTA	46.2	313	IPD	22 21 36.3	0.3		
LSA	50.5	298	EP	22 22 09.8	0.3		
WMQ	56.3	314	PC	22 22 51.4	0.0		

1984 2 26
O=03 45 26.7 +/- 0.68 SEC
LAT=25.80 N +/- 6.31 KM
LONG=99.94 E +/- 3.21 KM
DEPTH=33 KM +/- 6.23 KM
ML(CHINA)=3.3/3
STATIONS USED=6, STAND DEV=4.51 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
KMI	2.6	104	IPD	03 46 14.0	6.8		
			I	03 46 48.0			
			LN			5.0	1.0
CD2	6.1	32	EP	03 46 58.8	1.8		

1984 2 26
O=08 18 19.4 +/- 0.31 SEC
LAT=17.32 S +/- 3.89 KM
LONG=70.53 W +/- 0.93 KM
DEPTH=107 KM +/- 2.69 KM
mb(NEIS)=5.8
STATIONS USED=85, STAND DEV=2.27 SEC

KSH	143.5	45	EPKP	08 37 41.0	- 1.6		
			XPKP	08 38 11.0			
			EPP	08 40 56.0	- 2.1		
			SKKS	08 47 40.0			
WMQ	147.8	30	IPKPD	08 37 51.0	1.1		
			ESKKS	08 47 53.0			
MDJ	148.0	332	PKPD	08 37 52.3	2.2		
CN2	150.3	336	PKPD	08 37 52.6	- 1.2		
			PKP_mZ			5.0	1.0
			PKP_2	08 38 03.0			
			PP	08 41 32.0	- 5.2		
SNY	152.7	336	IPKPR	08 37 56.0	- 1.4		
			PKP_2	08 38 10.0			
			SS	09 01 02.0	- 9.2		
			LN			50.0	2.0
			LE			44.0	1.6
DL2	156.0	336	EPKP	08 38 00.0	- 1.7		
			LN			12.0	0.8
			LE			8.0	0.7
GTA	156.4	18	PKPD	08 38 03.7	1.2		
			PP	08 42 10.5	- 1.0		
			SKKS	08 48 48.0			
			LE			12.0	0.4
HHC	156.5	356	PKP	08 38 04.0	1.5		
BJI	156.6	346	EPKP	08 38 03.5	1.0		
			PKP_2	08 38 36.0			
			PP	08 42 14.0	1.9		
			LN			19.5	2.1
BTO	156.8	358	EPKP	08 38 04.0	1.1		
LSA	159.2	50	PKPR	08 38 08.0	1.7		
			PP	08 42 25.0	- 1.2		
			PP_mN			5.0	0.7
			PP_mE			6.0	1.0
			SKKS	08 49 03.5			

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
TIY	159.5	353	PKP	08 38 07.0	0.7		
			PKP_2	08 38 57.0			
			SS	09 02 21.0	− 2.3		
			LN			44.0	2.3
TIA	160.0	341	PKPR	08 38 07.3	0.6		
			PKP_mZ			5.0	0.5
			$EPKP_2$	08 38 46.5			
			PP	08 42 28.8	− 1.3		
			SKKS	08 49 03.3			
			ESS	09 02 21.5	− 6.6		
LZH	160.7	13	PKPR	08 38 09.0	1.5		
			PKP_mZ			2.5	0.2
			PKP_2	08 38 39.0			
			ESKKS	08 49 26.0			
SSE	162.6	324	PKPR	08 38 10.0	0.7		
			PKP_mZ			4.0	1.0
			PKP_2	08 38 52.0			
			EPP	08 42 42.0	− 2.2		
			SS	09 02 50.0	− 5.2		
NJ2	163.0	331	PKPR	08 38 11.0	1.3		
			PKP_mZ			4.0	0.7
			PKP_2	08 38 59.0			
			PKP_mZ			6.0	0.7
			PP	08 42 44.2	− 2.2		
			PP_mZ			5.5	0.8
			SS	09 02 56.5	− 3.0		
XAN	163.3	1	PKPR	08 38 11.2	1.1		
			SKKS	08 49 25.5			
CD2	165.5	19	PKPD	08 38 14.0	1.7		
			PKP_2	08 39 32.0			
			EPP	08 42 56.0	− 3.7		
			SKKS	08 49 28.5			
WHN	166.1	342	PKP	08 38 14.0	1.4		
			PP	08 42 60.0	− 2.6		
QZH	168.6	313	PKPR	08 38 17.0	2.8		
			PKP_2	08 39 26.4			
			PP	08 43 16.0	0.9		
			PP_mZ			5.0	0.8
			SKKS	08 49 54.0			
GYA	170.5	15	PKPD	08 38 17.0	1.4		
			SS	09 04 22.0	7.1		
QZN	178.3	348	IPKPR	08 38 19.5	1.5		
			$IPKP_2$	08 40 23.0			
			PP	08 44 11.0	8.6		
			PP_mZ			8.0	1.3
			SKS	08 45 08.5	1.7		
			SKKS	08 50 41.5			

1984 2 26

O = 12 38 35.8 +/− 0.11 SEC
LAT = 7.60 S +/− 1.48 KM
LONG = 147.03 E +/− 1.67 KM
DEPTH = 33 KM +/− 0.32 KM
Msz(NEIS) = 4.6, mb(NEIS) = 5.3
STATIONS USED = 64, STAND DEV = 1.51 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
GZH	44.9	313	EP	12 46 50.5	1.0		
QZN	45.2	306	P	12 46 52.7	0.7		
SSE	45.7	328	EP	12 46 55.5	− 0.8		
NJ2	47.7	327	EP	12 47 12.6	0.7		
WHN	49.2	322	EP	12 47 24.5	1.2		
GYA	51.8	312	P	12 47 44.0	1.0		
TIA	51.8	329	EP	12 47 42.7	− 0.8		
SNY	53.7	338	EP	12 47 56.6	− 0.5		
MDJ	54.3	344	EP	12 48 02.0	0.3		
CN2	54.8	340	EP	12 48 04.0	− 1.1		
XAN	54.9	321	IPD	12 48 05.6	− 0.8		
			S	12 55 46.0	1.4		
BJI	55.3	331	EP	12 48 07.5	− 1.5		
TIY	55.4	326	EP	12 48 09.8	− 0.3		
CD2	56.4	314	PD	12 48 17.0	0.0		
BTO	58.8	327	EP	12 48 33.6	− 0.6		
LZH	59.4	319	IPD	12 48 38.5	0.0		
GTA	64.0	320	IPD	12 49 09.1	0.1		
			S	12 57 39.0	− 2.8		
			S_mN			7.0	0.3
			S_mE			8.0	0.3
LSA	65.2	307	PD	12 49 18.3	1.0		
WMQ	74.0	319	IPD	12 50 11.0	0.1		
			S	12 59 45.0	4.6		

1984 2 26

O = 18 57 57.7 +/− 0.07 SEC
LAT = 40.71 N +/− 1.98 KM
LONG = 143.69 E +/− 1.29 KM
DEPTH = 29 KM +/− 0.43 KM
Ms(CHINA) = 4.8/20, Msz(NEIS) = 4.6, mb(NEIS) = 5.1
STATIONS USED = 78, STAND DEV = 1.28 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
MDJ	11.1	295	EP	19 00 36.5	− 1.1		
CN2	13.9	288	EP	19 01 14.5	− 0.2		
			XP	19 01 27.0	1.0		
			ES	19 03 49.0	0.2		
			LE	Ms = 5.1		6.0	3.8

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
SNY	15.2	280	PC	19 01 32.4	0.6		
			SS	19 04 39.0	2.3		
			LN	Ms=4.7		15.0	1.6
			LE			14.0	3.3
DL2	17.0	271	P	19 01 56.1	0.4		
			P_mE			4.0	1.1
			P_mZ			4.0	1.0
			ES	19 05 02.7	-1.3		
			LN	Ms=4.5		13.0	1.6
			LE			10.0	0.6
SSE	20.5	249	PC	19 02 36.0	-0.8		
			P_mZ			1.0	0.02
			XS	19 06 32.0	-1.0		
			PCS	19 10 20.0	-3.3		
			LN	Ms=4.7		12.0	1.7
			LE			13.0	1.4
BJI	20.9	277	EP	19 02 38.5	-2.4		
			ES	19 06 20.0	-8.1		
			LN	Ms=5.0		13.0	1.0
			LE			1.3	1.6
TIA	21.2	266	EP	19 02 42.3	-1.7		
			ES	19 06 35.5	1.6		
			LN	Ms=4.6		12.5	1.1
			LE			11.0	1.1
NJ2	21.7	254	PC	19 02 47.0	-1.8		
			AP	19 02 58.0	1.0		
			LN	Ms=4.8,		15.0	2.1
			LE			15.0	2.0
HHC	24.3	280	EP	19 03 13.2	-0.6		
TIY	24.3	273	P	19 03 15.9	1.4		
			AP	19 03 25.0	2.3		
			S	19 07 40.0	10.5		
			LE	Ms=4.6		14.0	1.4
BTO	25.5	280	EP	19 03 25.0	-0.3		
WHN	25.8	256	EP	19 03 29.0	0.6		
XAN	28.3	267	P	19 03 51.6	0.4		
			ES	19 08 45.0	10.6		
			LE	Ms=4.6		13.0	1.1
GZH	31.0	244	EP	19 04 16.4	1.4		
			ES	19 09 20.5	3.7		
			LN	Ms=4.9		13.0	1.1
			LE			13.0	1.5
LZH	31.4	274	PC	19 04 18.5	-0.3		
			P_mZ			2.0	0.2
GTA	33.3	282	IPC	19 04 36.6	0.6		
			LE	Ms=4.8		13.0	1.3
CD2	33.6	265	EP	19 04 38.2	0.3		
			LE	Ms=4.8		12.0	1.0
GYA	33.7	256	PU	19 04 44.0	5.0		
			AP	19 04 48.0	0.6		
			LN	Ms=4.9		13.0	1.0
			LE			13.0	1.0
KMI	37.4	258	IPC	19 05 11.0	0.7		
			ES	19 10 57.0	0.5		
WMQ	40.9	293	IPC	19 05 40.6	1.1		
KSH	50.6	292	EP	19 06 58.0	1.2		
			LE	Ms=5.3		13.0	1.9

1984 2 26
O=21 00 14.2 +/- 0.18 SEC
LAT=39.52 N +/- 2.09 KM
LONG=118.07 E +/- 1.99 KM
DEPTH=34 KM +/- 0.07 KM
Ms(CHINA)=3.9/3, ML(CHINA)=4.0/15
STATIONS USED=17, STAND DEV=3.83 SEC

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
BJI	1.5	290	IP	21 00 38.3	-1.4		
			S	21 00 58.5	-0.5		
			S_mN	ML=4.3		0.5	4.8
			S_mE			0.5	3.1
			LN	Ms=3.9		8.5	4.2
DL2	2.8	101	P	21 00 54.7	-3.4		
			I	21 01 01.2			
			I	21 01 38.5			
			S_mN	ML=4.3		1.5	0.7
			S_mE			1.5	2.2
TIA	3.4	193	P	21 01 01.2	-4.9		
			I	21 01 10.2			
			S	21 01 52.8	7.1		
			S_mN	ML=3.7		1.2	0.2
			S_mE			1.2	0.3
TIY	4.8	249	P	21 01 22.8	-3.0		
			S	21 02 35.8	15.1		
			S_mN	ML=4.1		1.0	0.2
			S_mE			1.0	0.3
SNY	4.8	59	EP	21 01 24.3	-1.5		
			S	21 02 15.4	-5.4		
			S_mN	ML=4.5		1.1	0.6
			S_mE			1.1	0.6
HHC	5.2	286	EP	21 01 50.0	18.3		
			I	21 02 55.0			
			LE	Ms=3.9		7.0	1.0
CN2	7.0	19	P	21 02 16.8	19.8		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			S_mN	ML=4.7		1.0	0.4
			S_mE			1.0	0.3
GTA	14.1	275	E(P)	21 03 41.2	7.1		
			LN	Ms=3.8		7.0	0.3
1984 2 27							
O=02 06 49.4			+/-	0.26 SEC			
LAT=1.85 S			+/-	4.48 KM			
LONG=120.49 E			+/-	3.77 KM			
DEPTH=49 KM			+/-	0.49 KM			
Msz(NEIS)=3.7 , mb(NEIS)=4.8							
STATIONS USED=33, STAND DEV=2.19 SEC							
QZN	23.2	333	P	02 11 54.2	0.7		
GYA	31.2	335	P	02 13 06.8	0.4		
KMI	31.9	328	EP	02 13 14.0	1.3		
SSE	32.8	1	EP	02 13 19.5	- 0.9		
CD2	36.3	335	EP	02 13 50.8	0.4		
XAN	37.3	344	EP	02 14 01.4	2.1		
TIA	38.0	355	EP	02 14 05.0	0.1		
TIY	40.1	350	EP	02 14 23.0	0.8		
DL2	40.6	1	EP	02 14 24.2	- 2.0		
BJI	41.9	355	(P)	02 14 37.5	0.5		
SNY	43.6	3	EP	02 14 48.6	- 2.2		
GTA	45.2	337	P	02 15 05.2	0.8		
CN2	45.7	5	EP	02 15 09.5	1.9		
WMQ	54.1	331	EP	02 16 12.3	- 0.2		
1984 2 27							
O=02 31 57.8			+/-	0.09 SEC			
LAT=28.07 N			+/-	1.15 KM			
LONG=101.22 E			+/-	0.83 KM			
DEPTH=10 KM			+/-	0.10 KM			
ML(CHINA)=3.3/4							
STATIONS USED=7, STAND DEV=4.20 SEC							
KMI	3.2	154	IPNC	02 32 46.0	- 4.1		
			SN	02 33 26.5	- 3.0		
			S_mN	ML=3.5		1.5	0.3
			S_mE			1.0	0.07
CD2	3.6	37	EPN	02 32 55.4	0.3		
			PG	02 33 02.7	- 0.7		
			SG	02 33 51.8	1.4		
			S_mN	ML=3.7		0.9	0.2
			S_mE			1.0	0.2
GYA	5.1	107	PN	02 33 14.8	- 1.7		
1984 2 27							
O=09 40 18.2			+/-	0.09 SEC			
LAT=16.07 S			+/-	0.98 KM			
LONG=167.93 E			+/-	1.35 KM			
DEPTH=202 KM			+/-	0.53 KM			
mb(NEIS)=5.5							
STATIONS USED=75, STAND DEV=0.97 SEC							
NJ2	67.1	315	PC	09 50 52.0	- 0.4		
			P_mZ			5.5	0.7
WHN	69.3	312	P	09 51 06.0	- 0.2		
DL2	69.7	323	P	09 51 08.0	0.1		
MDJ	69.8	331	EP	09 51 07.0	- 1.9		
SNY	70.7	326	EP	09 51 13.9	- 0.5		
TIA	70.8	318	PD	09 51 13.8	- 1.2		
CN2	71.1	328	IPD	09 51 16.0	- 1.1		
			P_mZ			5.0	1.3
			AP	09 52 05.0	0.6		
			XP	09 52 27.0	0.9		
			ES	10 00 08.0	- 8.3		
GYA	73.0	304	PR	09 51 29.0	0.6		
			XP	09 52 40.0	2.7		
			S	10 00 43.0	5.1		
BJI	73.7	321	EP	09 51 31.0	- 1.4		
TIY	74.7	317	PR	09 51 38.0	- 0.1		
			P_mZ			5.0	1.0
			PCP	09 51 50.0	- 0.7		
			PP	09 54 23.0	- 6.0		
			ES	10 01 07.0	10.6		
XAN	75.1	312	IPD	09 51 39.5	- 0.8		
KMI	75.5	301	IPD	09 51 44.0	0.8		
			XP	09 52 56.0	3.8		
			ES	10 01 10.0	3.7		
			S_mN			8.0	0.3
HHC	77.0	319	EP	09 51 51.2	0.0		
CD2	77.3	307	IPD	09 51 53.0	0.1		
LZH	79.7	312	IPD	09 52 06.5	0.7		
			P_mZ			2.0	0.4
GTA	84.0	313	IPD	09 52 29.0	0.7		
			P_mZ			4.0	2.5
			EAP	09 53 18.5	1.7		
			S	10 02 34.5	- 0.2		
			S_mE			7.0	0.6
			XS	10 04 02.0	2.6		
LSA	86.8	301	EP	09 52 43.8	1.6		
WMQ	94.1	314	PD	09 53 16.0	0.2		
			P_mZ			2.0	0.2
			SKS	10 03 33.0	4.4		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 27							
O=11 18 37.1			+/− 0.05 SEC				
LAT=47.84 N			+/− 2.37 KM				
LONG=152.45 E			+/− 1.32 KM				
DEPTH=131 KM			+/− 1.13 KM				
mb(NEIS)=5.0							
STATIONS USED=37, STAND DEV=0.87 SEC							
MDJ	16.1	266	EP	11 22 18.5	0.7		
CN2	19.2	267	EP	11 22 52.0	− 1.5		
SNY	21.3	264	EP	11 23 14.2	− 0.3		
BJI	27.1	266	EP	11 24 10.0	0.4		
WHN	33.8	253	EP	11 25 08.5	− 0.4		
XAN	35.2	263	EP	11 25 20.2	− 0.6		
GTA	38.4	277	P	11 25 47.6	0.0		
CD2	40.5	263	EP	11 26 06.2	0.7		
GYA	41.5	255	P	11 26 13.4	− 0.2		
1984 2 27							
O=14 49 21.8			+/− 0.56 SEC				
LAT=22.92 N			+/− 3.94 KM				
LONG=121.30 E			+/− 4.31 KM				
DEPTH=26 KM			+/− 1.04 KM				
ML(CHINA)=3.8/7							
STATIONS USED=10, STAND DEV=1.39 SEC							
QZH	3.2	309	PN	14 50 12.2	0.7		
			SN	14 50 49.0	− 0.2		
			S_mN	ML=3.8		1.0	0.4
			S_mE			1.0	0.3
GZH	7.3	272	EPN	14 51 08.4	− 1.6		
			ESN	14 52 25.6	− 7.7		
CD2	17.5	300	(P)	14 53 28.8	2.4		
1984 2 27							
O=18 06 33.4			+/− 0.14 SEC				
LAT=19.29 N			+/− 2.09 KM				
LONG=121.13 E			+/− 2.49 KM				
DEPTH=26 KM			+/− 0.94 KM				
Ms(CHINA)=5.3/28, Msz(NEIS)=5.4							
mb(NEIS)=5.4, ML(CHINA)=4.9/7							
STATIONS USED=38, STAND DEV=2.42 SEC							
QZH	6.1	337	IPND	18 08 02.0	− 2.2		
			ISN	18 09 07.3	− 6.7		
			XS	18 09 18.5	− 4.9		
			LN	Ms=4.9		10.0	10.4
			LE			12.0	8.4
GZH	8.2	298	EP	18 08 29.0	− 4.5		
			S	18 09 58.0	− 8.2		
			LN			0.8	0.6
			LE			0.8	0.5
QZN	10.7	270	IPD	18 09 04.0	− 3.9		
			ES	18 10 59.4	− 8.3		
			SS	18 11 33.0	12.2		
			LN	Ms=5.2		11.0	6.2
			LE			13.0	13.3
WHN	12.8	332	PC	18 09 33.7	− 2.6		
NJ2	12.9	351	PD	18 09 37.0	− 0.6		
			LN	Ms=5.2		16.0	12.7
			LE			15.0	11.3
GYA	15.1	300	PR	18 10 07.0	− 0.2		
			AP	18 10 14.0	0.6		
			S	18 12 55.0	0.2		
			LN	Ms=5.4		12.0	9.0
			LE			12.0	11.8
TIA	17.2	349	PD	18 10 35.9	1.9		
			P_mN			6.0	1.9
			P_mZ			6.0	1.1
			EPP	18 10 48.0	0.0		
			S	18 13 47.0	0.0		
			S_mN			8.0	3.1
			S_mE			8.0	3.5
			ESS	18 14 05.0	1.1		
			LN	Ms=5.3		15.0	10.8
			LE			19.0	6.3
KMI	18.0	292	IPR	18 10 44.0	0.3		
			P_mZ			6.0	3.3
			AP	18 10 53.0	2.8		
			PP	18 11 01.0	3.2		
			SS	18 14 31.0	8.1		
			LE	Ms=5.6		13.0	21.8
XAN	18.3	325	IPR	18 10 47.5	0.4		
			P_mZ			6.0	3.8
			S	18 14 11.5	− 7.7		
			S_mN			11.0	5.8
			S_mE			9.0	3.0
			LN	Ms=5.4		15.0	13.4
			LE			14.0	6.9
CD2	19.5	309	IPD	18 11 02.0	0.4		
			P_mZ			1.5	0.4
			S	18 14 42.0	7.2		
			LE	Ms=5.5		13.0	16.5
DL2	19.5	1	PC	18 11 03.0	0.9		
			IS	18 14 44.5	8.6		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LN	Ms=5.3		15.0	7.5
			LE			15.0	9.3
TIY	19.9	339	PD	18 11 06.5	0.8		
			P_mZ			4.0	1.5
			PP	18 11 29.0	5.0		
			S	18 14 48.0	5.0		
			S_mE			8.0	4.2
			PCP	18 15 25.0	3.3		
			LN	Ms=5.5		16.0	16.7
BJI	21.1	349	EPC	18 11 19.0	0.3		
			ES	18 15 13.0	5.4		
			S_mN			11.5	5.1
			S_mE			10.0	5.7
			ESCS	18 22 41.5	1.5		
			LN	Ms=5.3		15.0	8.7
SNY	22.6	4	EP	18 11 32.8	− 0.3		
			S	18 15 35.0	0.6		
			LN	Ms=5.3		13.0	3.0
			LE			17.0	9.0
LZH	22.6	321	IPD	18 11 35.5	1.6		
			P_mZ			5.0	2.9
			S	18 15 39.0	3.3		
			S_mN			10.0	9.5
			LN	Ms=5.5		16.0	12.3
			LE			15.0	6.9
HHC	23.0	341	P	18 11 40.0	2.4		
			S	18 15 40.0	− 2.5		
BTO	23.3	338	EP	18 11 40.6	0.3		
CN2	24.7	7	PU	18 11 52.7	− 1.3		
			P_mZ			5.0	1.1
			ES	18 16 10.0	− 1.9		
			S_mN			9.0	1.8
			LE	Ms=5.3		13.0	5.7
MDJ	26.2	13	EP	18 12 05.0	− 3.4		
			ES	18 16 44.0	6.9		
			LE	Ms=5.2		25.0	9.6
GTA	27.6	321	P	18 12 18.1	0.5		
			S	18 16 44.0	− 9.5		
			LE	Ms=4.4		16.0	0.9
LSA	29.1	296	P	18 12 35.4	0.4		
			S	18 17 18.7	− 5.9		
			LE	Ms=5.0		13.0	2.3
WMQ	37.1	318	EP	18 13 46.0	1.7		
			PP	18 15 11.0	0.1		
			S	18 19 34.0	4.8		
			LN	Ms=5.7		14.0	9.1

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 27							
O=21 54 21.5		+/−	0.10 SEC				
LAT=15.25 S		+/−	0.92 KM				
LONG=167.33 E		+/−	1.83 KM				
DEPTH=148 KM		+/−	0.65 KM				
mb(NEIS)=5.1							
STATIONS USED=32, STAND DEV=1.37 SEC							
WHN	68.3	312	EP	22 05 09.5	− 0.4		
MDJ	68.8	332	EP	22 05 08.5	− 3.6		
CN2	70.1	329	P	22 05 19.2	− 1.2		
GYA	72.1	304	P	22 05 32.6	0.5		
BJI	72.7	321	(P)	22 05 35.0	− 0.7		
TIY	73.7	317	P	22 05 42.2	0.6		
XAN	74.1	312	PC	22 05 43.6	− 0.3		
KMI	74.6	301	IPC	22 05 48.5	1.3		
CD2	76.4	307	EP	22 05 57.9	1.1		
GTA	83.1	313	P	22 06 33.8	1.0		
WMQ	93.1	314	EP	22 07 21.0	0.2		
1984 2 27							
O=23 57 19.4		+/−	0.06 SEC				
LAT=8.86 S		+/−	0.93 KM				
LONG=156.55 E		+/−	0.98 KM				
DEPTH=33 KM		+/−	0.12 KM				
mb(NEIS)=5.2							
STATIONS USED=16, STAND DEV=1.22 SEC							
MDJ	58.5	337	P	24 07 16.0	0.4		
CN2	59.5	334	P	24 07 22.0	− 0.5		
XAN	62.1	316	P	24 07 39.5	− 0.6		
GTA	71.1	316	P	24 08 37.8	0.2		
LSA	73.6	304	P	24 08 53.3	0.9		
1984 2 28							
O=00 05 25.5		+/−	0.13 SEC				
LAT=8.88 S		+/−	2.09 KM				
LONG=156.33 E		+/−	2.65 KM				
DEPTH=35 KM		+/−	0.55 KM				
Ms(CHINA)=5.2/12, Ms2(NEIS)=5.4, mb(NEIS)=5.5							
STATIONS USED=73, STAND DEV=1.83 SEC							
QZH	49.8	313	P	00 14 18.2	0.6		
			S	00 21 18.0	− 6.0		
			LN	Ms=4.9		10.0	0.6
SSE	52.1	321	P	00 14 35.0	0.2		
			S	00 21 54.0	− 1.3		
			LN	Ms=5.0		16.0	1.1
QZN	53.6	301	EP	00 14 50.0	4.3		

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
NJ2	54.2	320	PC	00 14 52.1	1.7		
			AP	00 15 04.5	4.1		
			S	00 22 25.0	1.1		
			LE	Ms=5.2		15.0	1.5
WHN	56.2	316	EP	00 15 04.0	−1.0		
DL2	57.5	328	EP	00 15 15.0	1.1		
			ES	00 23 08.0	0.8		
			LN	Ms=6.1		14.0	0.9
TIA	58.1	322	EP	00 15 17.3	−0.8		
			ES	00 23 11.0	−4.2		
			S_mE			12.0	0.8
			LN	Ms=5.3		19.0	1.8
			LE			18.0	1.3
MDJ	58.5	337	EP	00 15 19.0	−2.0		
SNY	58.7	331	EP	00 15 24.0	1.3		
			S	00 23 29.0	5.2		
			LN	Ms=5.3		37.0	2.8
			LE			39.0	3.6
CN2	59.4	334	PC	00 15 27.0	−0.8		
			P_mZ			4.0	0.7
			ES	00 23 26.0	−7.3		
			LE	Ms=5.4		17.0	2.4
GYA	59.6	307	EP	00 15 28.0	−1.3		
			S	00 23 41.0	4.9		
BJI	61.2	325	EP	00 15 40.0	0.2		
			ES	00 24 02.0	6.1		
			S_mE			10.5	0.6
			LN	Ms=5.4		18.0	2.3
TIY	61.9	321	EP	00 15 43.6	−0.8		
			S	00 24 10.0	5.4		
			S_mE			10.0	0.6
			XS	00 24 25.0	4.0		
			SCS	00 25 38.0	9.3		
XAN	62.0	316	EP	00 15 43.4	−1.6		
			S	00 24 07.5	1.8		
			SS	00 28 17.0	8.5		
KMI	62.2	304	EP	00 15 46.6	0.1		
			LN	Ms=4.9		16.0	0.7
CD2	64.0	310	EP	00 15 58.4	−0.3		
			S	00 24 35.0	3.5		
			ESS	00 28 52.0	11.5		
HHC	64.4	323	EP	00 16 01.0	0.0		
BTO	65.1	322	EP	00 16 05.0	−0.9		
LZH	66.6	315	PC	00 16 15.0	−0.1		
			P_mZ			2.2	0.4
GTA	71.0	316	P	00 16 41.4	−1.2		
			S	00 25 59.0	3.5		
			S_mN			8.0	1.5
			S_mE			9.0	0.6
LSA	73.4	304	P	00 16 59.0	1.8		
WMQ	81.1	316	EP	00 17 40.0	0.3		
			P_mZ			2.5	0.4
			SKS	00 27 53.5	3.5		
KSH	88.2	310	EP	00 18 17.0	1.7		
			ES	00 29 08.0	11.8		

1984 2 28
O=05 13 14.4 +/− 0.15 SEC
LAT=6.06 S +/− 2.98 KM
LONG=104.90 E +/− 2.81 KM
DEPTH=68 KM +/− 1.88 KM
Ms(CHINA)=4.9/4, mb(NEIS)=5.1
STATIONS USED=30, STAND DEV=2.57 SEC

QZN	25.4	10	P	05 18 41.0	3.5		
GYA	32.4	2	EP	05 19 45.0	4.9		
			S	05 24 45.0	−3.6		
			LE	Ms=4.9		14.0	1.7
CD2	36.8	358	EP	05 20 17.9	0.2		
			LE	Ms=4.8		11.0	0.9
XAN	40.1	5	EP	05 20 45.6	0.5		
			LN	Ms=5.0		12.0	1.1
			LE			17.0	1.1
GTA	45.5	354	EP	05 21 27.8	−1.5		
			IPCP	05 23 09.9	3.0		
			LE	Ms=4.8		14.5	0.9
WMQ	52.0	344	EP	05 22 18.0	−1.8		
CN2	53.0	18	EP	05 22 25.6	−1.3		
			ES	05 29 49.0	−1.1		
MDJ	55.1	21	EP	05 22 39.5	−3.0		

1984 2 28
O=20 55 41.9 +/− 0.09 SEC
LAT=29.40 N +/− 1.01 KM
LONG=104.44 E +/− 1.07 KM
DEPTH=33 KM +/− 0.01 KM
ML(NEIS)=3.3/5
STATIONS USED=11, STAND DEV=3.66 SEC

CD2	1.6	338	EP	20 56 10.2	1.8		
			I	20 56 11.1			
			S	20 56 33.2	4.8		
			S_mN	ML=3.6		0.6	0.7
			S_mE			0.4	0.6

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			LE			2.0	2.3
GYA	3.5	145	EP	20 56 40.0	4.1		
			I	20 56 51.2			
			I	20 57 42.0			
			S_mN	ML=3.3		1.0	0.09
			S_mE			1.0	0.08
KMI	4.5	199	EP	20 56 51.5	1.4		
XAN	6.0	38	EP	20 57 12.6	1.9		
			I	20 57 33.6			
			S	20 58 20.0			
			S_mN	ML=3.8		1.0	0.07
			S_mE			1.0	0.08

1984 2 29
O=01 26 59.6 +/- 0.32 SEC
LAT=18.55 S +/- 0.76 KM
LONG=176.43 E +/- 0.81 KM
DEPTH=35 KM +/- 1.98 KM
Msz(NEIS)=5.7, mb(NEIS)=5.0
STATIONS USED=14, STAND DEV=1.03 SEC

CN2	77.6	324	EP	01 38 53.0	− 2.0		
TIA	78.1	314	EP	01 38 57.0	− 0.8		
BJI	80.9	317	(P)	01 39 11.5	− 1.0		
XAN	82.8	309	EP	01 39 23.1	0.4		
LZH	87.4	309	EP	01 39 46.5	0.7		
			P_mZ			1.5	0.07

1984 2 29
O=03 32 23.1 +/- 0.13 SEC
LAT=35.10 N +/- 1.69 KM
LONG=135.82 E +/- 1.99 KM
DEPTH=358 KM +/- 0.89 KM
mb(NEIS)=4.6
STATIONS USED=56, STAND DEV=1.70 SEC

SNY	11.7	308	PD	03 35 04.7	2.2		
			IS	03 37 14.5	5.6		
			S_mN			6.5	1.1
			S_mE			5.0	0.8
CN2	11.8	320	IPC	03 35 04.6	0.8		
			P_mZ			2.0	0.3
			S	03 37 14.0	2.7		
			S_mN			5.0	0.7
			S_mE			5.0	0.7
DL2	12.0	292	P	03 35 06.7	1.1		
SSE	12.9	256	PC	03 35 16.5	− 0.2		
			P_mN			0.6	0.03

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
			P_mZ			0.6	0.02
NJ2	14.5	262	PD	03 35 34.4	0.1		
			P_mZ			0.8	0.07
TIA	15.2	279	P	03 35 42.1	− 0.5		
BJI	16.3	293	EP	03 35 52.5	− 1.5		
QZH	18.0	240	P	03 36 10.9	− 0.2		
WHN	18.6	261	PD	03 36 18.2	1.1		
TIY	19.0	284	EP	03 36 21.3	0.2		
HHC	19.9	293	EP	03 36 29.8	− 0.6		
XAN	22.2	275	EP	03 36 52.1	0.4		
LZH	26.0	281	IPD	03 37 26.0	− 0.6		
			P_mZ			1.5	0.07
GYA	26.4	259	PD	03 37 30.2	− 0.4		
CD2	27.1	270	PD	03 37 37.0	− 0.1		
			P_mZ			0.8	0.1
GTA	28.9	289	P	03 37 52.5	0.1		
WMQ	37.7	298	P	03 39 08.7	1.2		

1984 2 29
O=10 01 07.1 +/- 0.13 SEC
LAT=26.99 N +/- 3.20 KM
LONG=55.67 E +/- 1.91 KM
DEPTH=37 KM +/- 0.65 KM
Ms(CHINA)=4.9/5, Msz(NEIS)=4.6, mb(NEIS)=4.9
STATIONS USED=35, STAND DEV=1.88 SEC

WMQ	30.8	48	EP	10 07 21.3	− 0.7		
			S	10 12 25.0	3.0		
LSA	31.3	76	EP	10 07 27.3	1.2		
GTA	38.6	59	P	10 08 29.2	0.2		
			LN	Ms=4.6		14.0	0.7
CD2	42.0	72	EP	10 08 57.4	0.4		
KMI	42.1	81	EP	10 09 01.5	3.2		
			ES	10 15 20.0	4.2		
			S_mN			6.0	0.3
GYA	45.3	78	EP	10 09 25.8	2.1		
XAN	46.0	67	EP	10 09 27.8	− 1.4		
HHC	47.7	58	EP	10 09 43.0	0.7		
TIY	48.5	62	EP	10 09 45.4	− 3.4		
			LN	Ms=4.9		15.0	1.0
BJI	51.2	59	(P)	10 10 08.5	− 1.0		
TIA	52.4	63	EP	10 10 20.0	1.6		
			LN	Ms=4.9		14.0	0.8
NJ2	54.5	68	PC	10 10 33.0	− 1.3		
CN2	57.7	53	EP	10 10 55.0	− 1.8		
			ES	10 18 50.0	− 1.5		
			LN	Ms=5.3		20.0	2.4

STA. CODE	△ deg	AZ deg	PHASE	UTC h m s	RESID sec	T sec	A μ
1984 2 29							
O = 14 21 28.5			+/− 0.11 SEC				
LAT = 0.89 S			+/− 1.92 KM				
LONG = 99.95 E			+/− 2.65 KM				
DEPTH = 102 KM			+/− 1.41 KM				
mb (NEIS) = 5.2							
STATIONS USED = 65, STAND DEV = 1.85							
QZN	22.0	25	P	14 26 17.8	1.7		
KMI	26.0	5	EP	14 26 55.0	0.9		
			ES	14 31 24.0	8.5		
			LE			10.0	0.4
GYA	27.9	12	P	14 27 11.6	− 0.3		
LSA	31.6	345	P	14 27 46.0	1.8		
CD2	31.8	6	EP	14 27 45.0	− 1.1		
WHN	34.1	22	PD	14 28 06.5	0.6		
XAN	35.7	12	P	14 28 18.3	− 1.5		
LZH	37.0	5	P	14 28 30.0	− 0.1		
NJ2	37.3	26	PU	14 28 32.0	− 1.0		
SSE	37.7	30	PD	14 28 37.5	1.8		
			PmN			0.8	0.1
			PmE			0.8	1.2
			PmZ			0.8	0.04
GTA	40.1	359	P	14 28 56.9	0.7		
TIA	40.2	21	EP	14 28 56.2	− 0.8		
			PCP	14 31 03.0	3.8		
BTO	42.3	11	EP	14 29 14.0	− 0.1		
HHC	42.9	12	PD	14 29 20.0	1.2		
BJI	43.3	18	EP	14 29 23.0	0.5		
			ES	14 35 45.0	2.6		
DL2	44.3	24	EP	14 29 31.0	0.5		
WMQ	45.8	347	IPC	14 29 43.7	1.1		
			S	14 36 22.0	3.5		
			SmN			2.0	0.2
SNY	47.6	23	EP	14 29 55.1	− 1.1		
CN2	50.0	24	IPC	14 30 13.7	− 1.1		
			PCP	14 31 32.8	− 0.2		
1984 2 29							
O = 16 55 34.8			+/− 0.06 SEC				
LAT = 3.13 N			+/− 0.69 KM				
LONG = 121.87 E			+/− 0.40 KM				
DEPTH = 589 KM			+/− 1.04 KM				
mb (NEIS) = 4.8							
STATIONS USED = 16, STAND DEV = 0.78 SEC							
GYA	27.4	329	P	17 00 37.0	0.4		
CD2	32.5	330	EP	17 01 20.0	0.0		
XAN	33.0	340	P	17 01 23.3	− 1.2		
LSA	39.3	315	PD	17 02 18.0	1.4		
GTA	41.3	333	IPD	17 02 32.4	0.3		
1984 2 29							
O = 17 08 39.5			+/− 0.12 SEC				
LAT = 37.18 N			+/− 1.52 KM				
LONG = 71.08 E			+/− 1.70 KM				
DEPTH = 135 KM			+/− 0.48 KM				
mb (NEIS) = 4.6							
STATIONS USED = 18, STAND DEV = 2.21 SEC							
KSH	4.5	58	EP	1709 48.0	1.1		
			ES	1710 40.0	1.2		
WMQ	14.3	57	EP	1711 54.0	− 2.6		
LSA	18.3	108	P	1712 45.8	− 0.6		
GTA	22.6	70	EP	1713 32.0	2.1		
1984 2 29							
O = 22 00 01.0			+/− 0.18 SEC				
LAT = 26.43 S			+/− 4.82 KM				
LONG = 172.56 E			+/− 4.32 KM				
DEPTH = 31 KM			+/− 1.45 KM				
mb (NEIS) = 4.9							
STATIONS USED = 26, STAND DEV = 3.78 SEC							
CN2	82.1	327	EP	22 12 26.0	5.0		
KMI	84.6	301	EP	22 12 33.0	− 0.9		
			EPS	22 23 34.0			
			SmE			8.0	0.3
XAN	85.2	311	EP	22 12 34.4	− 2.0		
HHC	87.6	318	EP	22 12 48.0	− 0.4		
GTA	94.2	312	EP	22 13 17.7	− 1.5		