SEISMOLOGICAL BULLETIN

APR 1967

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES

REGD. No. RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra	31.25	76.25										
BHK					Electromagnetic (H)	Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1	60
Calcutta	22.32	88.20	7	Milne Shaw Alluvium	Milne Shaw	E	12		250	0.7		8
CAL			6	Omori-Ewing	Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
Chatra	26.50	87.10	161	Sand stone	Sprengnether	N	7.0	7.0	1000		1	30
CHA					Benioff	Z	0.72	0.45	-	-	1	60
					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	7.6	7.6	5000		1	30
NDI					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (sec.		1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lamison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
Hyderabad	17.26	78.27	536	Granite		N	7.5	7.5	5000		1	30
HYD					Milne-Shaw	E	12		250	0.7		8
Kodaikanal	10.14	77.28	2345	Rock		N	12		250	0.7		8
KOD					Benioff(SP)	Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	30
Madras	13.00	80.11	15		Milne-Shaw	E	12		250	0.7		8
MDR					Sprengnether	E	7.4	7.4			1	30
Poona	18.32	73.51	560	Deccan Trap		Z	1.5	1.5			1	60
POO					Benioff (SP)	Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		890	0.7		30
						E	0.8		840	0.8		30
Sehore	23.10	77.05			Benioff	Z	1.2	1.5			1	30
SEH					Wood-Anderson	N	0.8		860	1		30
						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite	Benioff(SP)	Z	1	0.75	200K (for		1	60
SHL				Sandstone (Shillong Quartzite)		N	1	0.75	200K (TE=1		1	60
						E	1	0.75	200K (sec		1	60
					Press-Ewing (LP)	Z	15	100	3000 (for		1	15
						N	15	100	3000 (TE=15		1	15
						E	15	100	3000 (secs		1	15
					Sprengnether	E	6.7	6.7	2600		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57		Decomposed Laterite	Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0	-	250	0.7		12

DATE	SIN	PHASE	H	M	S	Δ Deg	
01		Epc: 45.8°N, 151.8°E. Kurile Islands. -H= 05h 54m 19.1s(USCGS) Depth =40 kms, Mag. 5.7 (CGS), 5¾ (Pas), 5.9-6.1 (BRK),5¾(PAL).					
	SHL	iP	06	03	21	CSW 52.1	
		iS		10	40		
	CHA	iP	06	03	42	CSW 55.1	
		i		06	29		
		S		11	19		
	CAL	iP	06	03	57	SE 55.8	
		iS		11	38		
	DDI	iP	06	04	09.6	C 59.0	
		PPP		06	57		
		iS		12	11		
	TOC	e	06	04	38		
	BHK	eP	06	04	14.9		
	NDI	iP	06	04	20.5	SWC 60.0	
		eS		12	28		
		PS		12	40		
	PBA	iP	06	04	25	CS 61.1	
		iS		12	40		
	VIS	e	06	04	42		
		e		13	20		
	HYD	iP	06	04	59	S	
		i		14	04		
	MDR	eP	06	05	16	68.2	
		PcP		05	45		
		PP		07	49		
		PPP		09	27		
		PcS		09	45		
		eS		14	14		
		PPS		14	34		
		SS		18	39		
		SSS		21	35		
	POO	iP	06	05	20	D 70.3	
		eS		14	29		
	BOM	iP	06	05	21	CSW 70.5	
		iS		14	30		
		i		14	42		
	GOA	eP	06	05	34	71.2	
		PcP		05	46		
		PP		08	34		
		PPP		09	52		
		iS		14	46		
		SKS		15	02		
		ScS		15	21		
		PPS		15	36		
		SS		20	44		
01	KOD	iP	06	05	39.8	CN	
		i		05	40.1		
01	NDI	iP	06	07	08	CSW 59.5	
		eS		15	17		
01	NDI	e	06	42	25		
01	NDI	i	06	42	45		
01	NDI	iPg	06	43	42.5		
01	NDI	ePn	07	39	53	2.1	
		eSn		40	20		
01		Epc: 45.9°N, 152°E. Kurile Island Region. -H=07h 48m 27.8s (USCGS) Depth : 49 km. Mag. 5.0 (CGS).					
	SHL	iP	07	57	30	CSW	
	DDI	iP	07	58	18.1	C	
	NDI	eP	07	58	29	59.5	
		eS	08	06	38		
	POO	eP	07	59	28		
01		Epc: 4.6°S, 105.8°W. Northern Easter I. Cordillera. -H=10h 41m 00.2s (USCGS) Depth : 33 km. Mag. 5.0 (CGS)					
	SHL	ePKP	11	00	51		
	NDI	ePKP	11	00	53		
		e		08	48		
	DDI	ePKP	11	00	58		
	PBA	ePKP	11	01	01		
01	SHL	ePn	11	18	40	1.9	
		eSn		19	04		
01	DDI	iP	11	24	58	C	
01	BOM	e	12	03	-		
01	NDI	ePn	12	09	13	7.0	
		eSn		10	34		
		i		10	43.5		
	DDI	eP	12	09	36		
	POO	iP	12	11	36.5	C	
	SHL	iP	12	14	05	D	
	HYD	e	12	15	45		
01		Epc: 45.7°N, 151.8°E. Kurile Islands. -H=12h 23m 35.5s(USCGS) Depth =40 km. Mag. 5.9 (CGS), 5¾ (PAS), 5.4-5.8 (BRK).					

DATE	STN	PHASE	H	M	S		Δ Deg
01	TOC	i	12	32	23		
	SHL	iP	12	32	37	CS	51.7
		iS		39	56		
	CHA	iP	12	32	58	DSW	54.5
		S		40	33		
	CAL	iP	12	33	12	NE	57.5
		iS		41	07		
	DDI	iP	12	33	26	C	58.3
		iS		41	24		
		e		58	38		
	BHK	e	12	33	30		
	NDI	iP	12	33	37	SWC	59.7
		i		33	41		
		i		33	47		
		eS		41	44		
	PBA	iP	12	33	40	CS	60.5
		iS		41	55		
		SS		45	40		
	VIS	iP	12	33	57	DE	65.4
		eS		42	41		
	HYD	eP	12	34	21		68.6
		iS		43	20		
		SS		47	12		
	MDR	iP	12	34	32	CE	68.8
		PcP		34	53		
		PP		37	22		
		eS		43	32		
		PS		43	57		
		ScS		44	29		
		SS		48	19		
	POO	iP	12	34	36	C	70.0
		eS		43	46		
	BOM	iP	12	34	37	CSW	70.0
		i		34	48		
		iS		43	47		
		PPS		44	26		
		sS		48	19		
	KOD	iP	12	34	55.5	CSW	
01	Epc: 40.4°N, 77.4°E - H = 13h 50m 00s (MOSCOW) Mag. 4½ (MOSCOW)						
	DDI	eP	13	52	19		9.7
		eS		54	08		
	NDI	eP	13	52	41		11.1
		eS		54	45		
	BHK	e	13	53	46		
01	SHL	iP	13	54	19	D	

DATE	STN	PHASE	H	M	S		Δ Deg
01	DDI	iP	14	01	26	C	
01	Epc: 45.8°N, 151.7°E. Kurile Islands. -H = 14h 00m 33.8s(USCGS) Depth 23 km. Mag 5.4 (CGS)						
	SHL	iP	14	09	39	CW	
	CHA	iP	14	09	59	C	
		i		10	21		
	BHK	i	14	10	30.6		
	NDI	iP	14	10	38	CSW	59.3
		i		10	40		
		i		10	43		
		eS		18	46		
	KOD	iP	14	11	56	CNE	
	BOM	e	14	38	-		
01	CHA	iP	15	29	36	D	
01	SHL	eP	16	48	38		2.2
		eS		49	06		
01	Epc: 45.9°N, 152.0°E. Kurile Islands. -H=17h 15m 45.7s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	DDI	iP	17	25	35.2	C	
		i		28	34		
		i		31	00		
	NDI	eP	17	25	47		
01	NDI	eP	17	28	45		
		e		29	13		
	POO	eP	17	29	50		
01	Epc: 45.6°N, 151.9°E.Kurile Islands. -H=17h 21m 09.3s(USCGS) Depth 40 km. Mag. 4.7 (CGS)						
	CHA	iP	17	30	32	D	
	NDI	iP	17	31	12		
01	CHA	iPg	17	33	36.6	D	
		Sg		33	47.5		
01	NDI	iP	18	36	21		
01	BOK	e	18	53	59		
01	BOK	e	19	04	08		
01	Epc: 58.4°N, 154.9°W. Alaska Peninsula. -H=23h 21m 12.2s (USCGS). Depth 96 km. Mag. 4.3 (CGS)						
	CHA	e	23	33	17		

DATE	STN	PHASE	H	M	S	Δ Deg	
01	DDI	iP	23	33	18		C
	NDI	eP	23	33	27		
02	NDI	eP	00	55	37		
02	NDI	eP	02	20	13		
02	NDI	iP	03	16	36		
		i			17	43	
02	Epc: 9.5°S, 155.9°E. - H = 03h 21m 40.6s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	03	33	00		D
	DDI	iP	03	34	11.6		C
	NDI	eP	03	34	13		
02	SHL	iP	04	07	40		CNW 2.2
		eS			08	08	
02	Epc: 9.5°S, 155.9°E. Dentrecasteaux Island Region. - H = 04h 36m 39.5s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	04	47	59		C
	DDI	eP	04	49	10.4		
	NDI	eP	04	49	11		
02	NDI	iSg	05	54	57		
02	NDI	eP	06	15	30		
02	SHL	iPg	08	38	56		CS 0.4
		eSg			39	02	
02	Epc: 9.3°S, 156.0°E. Dentrecasteaux Island Region. - H = 08h 31m 43.6s (USCGS) Depth 33 km. Mag. 4.5 (CGS)						
	SHL	iP	08	43	04		C
	NDI	iP	08	44	17		
02	SHL	iPg	09	28	47		DS 0.4
		iSg			28	53	
02	SHL	eP	16	31	04		
02	Epc: 6.3°S, 148.8°E. New Britain Region. -H= 17h 40m 38.8s(USCGS) Depth 37 km Mag. 5.0 (CGS), 5¾ (PAS).						
	SHL	eP	17	51	02		
	CHA	e	17	52	00		
	KOD	iP	17	52	11		CN
		i			52	13	
02	NDI	eP	17	52	29		
	DDI	eP	17	52	35.7		
02	POO	eP	17	52	37		
02	BOM	e	18	02	40		
		e		03	05		
02	SHL	eP	18	20	02		
02	TOC	e	18	20	14		
03	Epc: 12.2°S. 126.3°E. - H = 04h 40m 42.4s (USCGS) Depth 33 km. Mag. 5.1(CGS)						
	SHL	eP	04	49	34		
03	SHL	eP	07	35	11		
03	Epc: 19.9°N. 38.5°E. Red Sea - H = 07h 38m 28.4s (USCGS) Depth 33 km. Mag 5.1 (CGS)						
	NDI	iP	07	45	32.5		C
		i		47	23		
		e		48	23		
	DDI	iP	07	45	40		C
		e		49	27		
	SHL	eP	07	47	17		
	BHK	e	07	48	09		
	POO	eP	07	51	58		
	BOK	e	07	52	14		
03	Epc: 6.1°S. 151.5°E. New Britain Region. -H=08h 04m 15.4s (USCGS) Depth 16 km. Mag. 5.8-6.1 (BRK)						
	SHL	iP	08	15	02		CS
	CHA	iP	08	15	30		D
	KOD	iP	08	16	02.5		D
	DDI	eP	08	16	19		79.2
		eS		26	19		
	NDI	iP	08	16	21		D 78.4
		i		16	32		
		eS		26	18		
		PS		27	05		
	BOM	eP	08	16	27		82.0
		iS		26	41		
		SS		32	03		
	POO	eP	08	16	28		

DATE	STN	PHASE	H	M	S		Δ Deg
03	BOK	e	08	34	55		
03	BOK	e	08	56	41		
03	BOM	e	13	24	26		
		e		28	37		
03	NDI	i	15	08	23		
03	Epc: 52.4°N, 169.6°W. Fox Island, Aleutian Island. Depth 46 km - H = 15h 33m 53.8s (USCGS) Mag. 4.4 (CGS)						
	SHL	eP	15	45	33	N	
03	Epc: 7.6°S, 127.7°E. - H = 15h 49m 58.7s (USCGS) Depth 147 km. Mag 5.1 (CGS)						
	SHL	iP	15	58	24	CSE	
		i		59	53.5		
03	SHL	ePg	20	41	35		1.3
		eSg		41	53		
03	SHL	iPg	22	02	20	CSW	1.0
		iSg		02	22		
04	Epc: 2.3°S, 138.7°E. Depth 11 km - H = 00h 37m 26.1s (USCGS) Mag. 5.6 (CGS)						
	SHL	iP	00	46	46	DSE	53.2
		eS		54	16		
	BOK	e	00	47	20		
	KOD	iP	00	47	51	CNE	
	DDI	iP	00	48	16.5	D	
	NDI	eP	00	48	17	C	66.5
		eS		57	06		
	POO	eP	00	48	22		
	DDI	eS	00	57	00		
	BOM	e	00	57	21		
		e		57	36		
04	DDI	eP	01	30	20.1		3.1
		eS		30	58.1		
	NDI	eP	01	30	38		
		i		30	40		
04	SHL	ePg	02	20	55	SW	0.5
		iSg		21	02		
04	Epc: 45.5°N, 152.2°E. Kurile Island Region . Depth 42 km - H = 03h 54m 26.2s (USCGS) Mag. 5.0 CGS)						
	SHL	iP	04	03	30	CSW	
04 Contd.	DDI	iP	04	04	18	C	59.4
		eS		12	26		
	NDI	iP	04	04	29.6		59.8
		eS		12	41		
	POO	eP	04	05	28		
04	NDI	e	04	28	46		
04	DDI	e	05	54	06.5		
04	SHL	iP	06	48	49	C	
04	PBA	e	07	14	40		
04	Epc: 33.4°N, 137.5°E. Near south Coast of Honshu, Japan. - H = 09h 06m 01.1s (USCGS) Depth 353 km. Mag. 5.2 (CGS)						
	SHL	iP	09	13	04	D	
	DDI	iP	09	14	22.4	D	
		i		17	26.1		
	NDI	iP	09	14	29.5	D	50.9
		eS		21	18		
	POO	iP	09	15	20,2	C	
	KOD	iP	09	15	29.3	CSW	
	BOK	e	09	24	20		
04	PBA	ePg	10	21	49.9		0.3
		iSg		21	53.4		
04	NDI	e	14	07	31		
04	SHL	iP	15	25	58	C	
04	Epc: 35.4°N, 23.6°E. Crete. - H = 16h 59m 04.1s (USCGS) Depth 71 kms. Mag. 4.8 (CGS)						
***	See on page 34.						
	IOC	e	18	38	18		
	SHL	iP	18	39	11	CSW	
04	Epc: 59.8°N, 151.6°W. - H = 20h 16m 04.2s (USCGS) Depth 46 km. Mag. 4.1 (CGS)						
	NDI	eP	20	27	30		
04	PBA	ePg	21	18	34		0.8
		iSg		18	42		
04	NDI	eP	23	21	16		8.2
		eS		23	00		
	DDI	e	23	22	10		
05	NDI	ePg	00	28	38.4		0.28
		iSg		28	42		
05	Epc: 20.0°N, 147.1°E. Mariana Islands Region. - H= 02h 34m 11.1s (USCGS) Depth 50 km. Mag. 5.9 (CGS), 5.6-5.8 (BRK)						

DATE	STN	PHASE	H	M	S		Δ Deg
05	TOC	eP	02	42	57		48.3
		eS		49	57		
	SHL	iP	02	43	11	DN	50.5
		iS		50	25		
	CAL	iP	02	43	39	W	54.8
		iS		51	19		
	CHA	iP	02	43	42	DW	55.1
		S		51	24		
	BOK	iP	02	43	45		
	DDI	iP	02	44	32.7	D	62.4
		iS		52	59.5		
	NDI	iP	02	44	38.5	DE	63.3
		i		44	52		
		PcP		45	12		
		eS		53	12		
		PS		53	23		
	BHK	iP	02	44	41		
	KOD	iP	02	45	06	CSW	
	POO	iP	02	45	12.5	C	68.1
		eS		54	13		
	BOM	iP	02	45	18	DSE	69.4
		i		45	33		
		iS		54	25		
		e		54	36		
05	TOC	e	02	56	42		
	MDR	e	02	53	21		
05	Epc: 20.0°N, 147.2°E. Mariana Island Region. Depth 50 km = H = 02h 47m 55.4s (USCGS) Mag. 5.7 (CGS).						
	SHL	iP	02	56	55	DSE	
	CHA	iP	02	57	27	D	55.1
		S	03	05	09		
	BHK	i	02	58	15.5		
	DDI	iP	02	58	17.4		
	NDI	iP	02	58	23.5	DE	63.2
		eS	03	06	55		
	KOD	iP	02	58	52	SW	
		e		58	52		
	POO	iP	02	58	56.5	D	68.1
		eS	03	07	58		
	BOM	eP	02	59	03		69.2
		iS	03	08	09		
		i		08	20		
	MDR	e	03	07	07		
05	SHL	iP	04	00	40	DS	2.9
		eS		01	16		
05	Epc: 12.3°N, 83.0°E. = H = 04h 32m 27s (New Delhi)						
	MDR	eP	04	33	10		2.5
		P*		33	12		
		iS		33	41		
	KOD	e	04	33	57		
		iSg		35	29		
	POO	eP	04	35	05		
		e		35	51		
05	BOK	e	07	49	24		
05	BOK	e	08	21	28		
05	Epc: 17.7°S, 178.4°W = H = 11h 43m 49.3s (USCGS) Depth 480 km Mag. 4.3 (CGS).						
	SHL	iP	11	57	15	C	
	DDI	eP	11	59	21.3		
		i		59	56.3		
	NDI	i	12	00	51		
05	DDI	iP	12	49	35.5	C	
05	DDI	eP	13	44	26.2		
		i		45	02.5		
	NDI	eP	13	44	46		6.0
		iS		45	56		
05	BHK	e	13	45	11		
05	SHL	eP	14	07	32		
05	SHL	iPg	14	26	33	CN	0.6
		eSg		26	41		
05	PBA	eP	15	15	58		9.4
		i		16	53		
		iS		17	45		
		SSS		18	17		
	SHL	iP	15	16	59	D	
	BOK	e	15	17	23		
	CHA	eP	15	17	49		
	CAL	i	15	18	49		
	TOC	e	15	18	53		
		e		19	12		
	DDI	eP	15	19	04		
	NDI	eP	15	19	24		
	BOM	e	15	20	27		
		e		24	08		

DATE	STN	PHASE	H	M	S	Δ Deg	
05	SHL	iP	18	13	50		DN 1.5
		iS		14	10		
	TOC	eP	18	14	10		
05	NDI	e	18	31	45		
		i		31	51		
05	SHL	iP	18	39	54		CNW
05	NDI	eP	19	29	56		
05	SHL	iPg	21	14	11		DNW 0.8
		iSg		14	21		
05	NDI	eP	21	19	21		
	SHL	iP	21	19	30		
05	SHL	iP	21	20	03		DSE
05	DDI	eP	21	26	09		
05	Epc: 53.2°S, 140.6°E. West of Macquarie Island. Depth 33 km - H = 22h 29m 35.0s (USCGS) Mag. 5.0 (CGS).						
	PBA	iP	22	41	22		C
	SHL	iP	22	42	28		DSE
05	Epc: 5.4°S, 102.4°E. Depth 33 km - H = 22h 57m 06.1s (USCGS) Mag. 5.3 (CGS).						
	SHL	iP	23	03	34		CNW
	TOC	eP	23	03	40		
	CHA	iP	23	04	00		C
	NDI	iP	23	04	53		CN
	DDI	iP	23	04	59		C
05	CHA	iP	23	06	32		D
05	NDI	eP	23	11	10		
06	NDI	e	01	57	22		
06	Epc: 29.6°N, 129.8°E. Depth 31 km - H = 02h 34m 24.1s (USCGS) Mag. 5.2 (CGS).						
	SHL	iP	02	41	05		CNE
	NDI	eP	02	42	43		
	POO	eP	02	43	30		
	KOD	i	02	43	45.5		D
06	Epc; 34.4°N, 139.0°E. Near South Coast of Honshu, Japan. Felt. - H = 06h 17m 29.3s (USCGS) Depth 13 km. Mag. 5.3 (CGS)						
06	SHL	eP	06	24	56		
	NDI	eP	06	26	41		
	POO	eP	06	27	33		
	KOD	iP	06	27	47.5		DW
	DDI	e	06	33	53.2		
06	KOD	iP	06	40	05.9		DNW
06	BOK	e	07	50	56		
06	SHL	eP	08	42	27		
06	PBA	ePg	08	49	54.4		0.7
		iSg		50	03.9		
06	Epc: 34.4°N, 139.1°E. Near South Coast of Honshu, Japan, Felt. - H= 08h 49m 41.3s (USCGS) Depth 33 km. Mag. 5.0 (CGS).						
	NDI	eP	08	58	51		
	POO	eP	08	59	43		
	KOD	iP	08	59	53.2		D
06	Epc: 34.4°N, 139.1°E. Near South Coast of Honshu, Japan. -H = 09h 06m 44s (USCGS) Depth. 25 km. Mag. 4.9 (CGS)						
	NDI	e	09	15	55		
06	SHL	iP	11	07	46		DSE
06	KOD	i	11	27	24		D
		i		27	27.7		
06	Epc: 6.3°S, 148.8°E. New Britain Region. - H=12h 01m 07.5s (USCGS) Depth 43 km. Mag. 4.9 (CGS).						
	SHL	iP	12	10	05		C
	NDI	eP	12	11	35		
	KOD	iP	12	12	37.2		CW
		i		12	37.4		
06	Epc: 20.1°N, 147.2°E. Mariana Island Region. Depth 22 km. - H = 12h 21m 57.0s (USCGS) Mag. 5.7 (CGS), 5-5.4 (BRK).						
	TOC	eP	12	30	45		48.5
		eS		37	46		
	SHL	iP	12	31	00	DS	50.5
		iS		38	14		
	CHA	iP	12	31	31	D	54.7
		i		31	45		
		S		39	10		

DATE	STN	PHASE	H	M	S		Δ Deg
06	BOK	iP	12	31	42	DE	56.5
		PcP		32	30		
		iS		39	33		
		PS		39	46		
		ScS		41	29		
	NDI	iP	12	32	27.9	DSE	63.3
		eS		41	00		
	BHK	iP	12	32	30.5		
		i	13	06	07.9		
	KOD	iP	12	32	56	D	
	POO	iP	12	33	01.5	D	
	BOM	iP	12	33	07	DE	69.4
		iS		42	14		
		i		42	24		
	DDI	e	12	40	46.6		
		i	13	06	31.4		
06	Epc: 30.1°N, 50.9°E. Iran - H =12h 57m 14s (USCGS) Depth 10 km. Mag. 5.4 (CGS)						
	BOM	eP	13	02	16		
		e		06	25		
		e		06	33		
	NDI	iP	13	02	19.2		22.9
		eS		06	25		
		e		09	46		
		i		12	42		
	POO	eP	13	02	26		
		e		06	42		
	KOD	iP	13	03	37	DW	
	BOK	e	13	03	39		
	CHA	iP	13	03	40	C	
	SHL	eP	13	04	17		
06	SHL	iPg	14	23	21	CNE	
06	SHL	iPg	15	09	50	CSE	
	CHA	iP	15	10	18.7	D	3.6
		i		10	22.6		
		eS		11	03.5		
	TOC	eP	15	10	32		3.6
		eS		11	16		
06	TOC	eP	17	35	43		
		e		36	37		
		e		36	52		
06	SHL	eP	17	35	53	SE	3.6
		iS		36	40		
06	Epc: 0.5°N, 122.1°E. Northern Celebes. -H=20h 52m 52.7s(USCGS) Depth. 252 km. Mag. 5.0 (CGS).						

DATE	STN	PHASE	H	M	S		Δ Deg
06	TOC	eP	20	59	47		
	SHL	iP	20	59	53	CNW	
	CHA	iP	21	00	28	C	
	MDR	e	21	00	32		
	POO	eP	21	01	28		
	NDI	iP	21	01	32	C	
06	SHL	iPg	21	54	41	DSW	0.6
		iSg		54	49		
06	SHL	iPg	22	57	33	DSW	0.7
		iSg		57	41		
06	Epc: 34.3°N, 139.1°E. Depth 15 km -H=23h 28m 51s (USCGS). Mag. 5.1 (CGS).						
	SHL	iP	23	36	39	DW	
	TOC	e	23	37	05		
	CHA	eP	23	37	09		
	NDI	eP	23	38	04		
	POO	eP	23	38	55		
	KOD	i	23	39	07	D	
06	Epc: 36.3°N, 140.5°E. Near East Coast of Honshu, Japan. - H = 23h 32m 10.6s (USCGS) Mag. 5.2 (CGS). Depth 44 km.						
	NDI	eP	23	41	23		
	POO	eP	23	42	16		
	KOD	iP	23	42	28	DWE	
	DDI	e	23	44	16		
	BOM	e	23	47	16		
07	CHA	iPg	00	10	24.6	C	1.1
		Sg		10	38.9		
07	BOK	eP	00	48	00		
07	CHA	Pn	00	48	20.7	C	2.2
		Sn		48	49.4	Mag.	4.5
	SHL	iP	00	48	55	DNW	4.4
		eS		49	48		
	NDI	eP	00	51	30		5.3
		i		51	31		
		i		51	33		
		eS		52	32		
	POO	eP	00	53	23		
07	DDI	e	04	49	35		
07	DDI	eP	07	02	37		

DATE	STN	PHASE	H	M	S		Δ Deg
07	BOK	e	07	22	17		
07	POO	iPg	07	28	52.7	D	1.3
		iSg		29	10.7		
07	BOK	e	07	40	01		
07	NDI	eP	09	02	59		
		i		03	08		
07	BOK	e	09	47	27		
07	NDI	eP	11	49	55		
07	SHL	iPg	13	13	22	CN	
	TOC	e	13	14	39		
07	CHA	iP	13	14	43.6	C	4.3
		S		15	35		
07	Epc: 48.8°S, 127.3°E. - H = 16h 45m 45.8s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	SHL	iP	16	57	58	C	
07	Epc: 37.4°N, 36.1°E. Turkey Same damage at Bache, Kozanli and Andirin. -H=17h 07m 16.2(USCGS) Depth 49 km. Mag. 4.8 (CGS).						
	NDI	eP	17	14	09		
	CHA	iP	17	15	20	D	
	TOC	e	17	15	33		
	SHL	iP	17	15	53	C	
07	Epc: 37.4°N, 36.2°E. Turkey. Same damage at Bache, Kozanli and Andirin. -H= 18h 33m 31.3s (USCGS) Depth 39 km. Mag. 5.0 (CGS).						
	NDI	eP	18	40	23		
	DDI	eP	18	40	24		
	POO	eP	18	40	47		
	CHA	iP	18	41	37	D	
	KOD	iP	18	41	54	CNW	
	SHL	iP	18	42	09	CE	
	PBA	iP	18	43	13	C	
07	Epc: 47.0°N, 146.0°E. Sea of Okhotsk. -H=19h 39m 12.8s (USCGS) Depth 296 km. Mag. 5.0 (CGS).						
	SHL	iP	19	47	20	DSW	
	CHA	iP	19	47	40	C	
	NDI	iP	19	48	19.5	D	
07	NDI	eP	19	55	36		
07	SHL	iPg	20	02	19	CE	0.5
		iSg		02	26		
07	TOC	e	23	08	00		
07	SHL	iP	23	09	51	DNW	1.7
		eS		10	14		
07	SHL	iP	23	52	57	CNW	
08	SHL	eP	00	59	43		
08	NDI	iP	01	01	22.5	D	
		i		06	55		
08	DDI	eP	01	05	15		
		e		07	20		
08	Epc: 19.9°S, 178.6°W. Fiji Islands Region. -H= 05h 35m 17.1s (USCGS) Depth 616 km. Mag. 5.3 (CGS)						
	SHL	eP	05	47	51		
	NDI	e	05	53	33		
		e		55	23		
	PBA	e	05	57	01		
		i		57	02		
08	NDI	eP	05	58	25.5		
08	BOK	e	07	32	26		
08	BOK	e	08	00	35		
08	SHL	iP	08	20	49	DSW	
08	BOK	e	08	29	00		
	DDI	eP	09	46	36.3		8.3
		eS		48	11.8		
	NDI	eP	09	46	49		8.7
		iS		48	29		
	BHK	e	09	47	26.8		
		e		47	31.4		
	KOD	iP	09	49	45.2	D	
	POO	e	09	52	29		
08	NDI	e	12	19	33		
08	SHL	iPn	13	37	09	D	1.9
		eSn		37	34		
08	NDI	iP	14	16	04.5		
08	SHL	iPg	14	28	18	CSE	0.1
		eSg		28	19		
08	SHL	iPg	14	33	38	CSE	1.3
		eSg		33	55		
08	NDI	i	15	09	19		

DATE	STN	PHASE	H	M	S	Δ Deg
08	Epc: 7.3°S, 156.0°E. - H = 17h 35m 44.1s (USCGS) Depth 66 km. Mag. 5.0 (CGS)					
	SHL	iP	17	46	52 CSE	
	CHA	e	17	47	19	
	NDI	e	17	48	06	
08	KOD	eP	18	22	28 CNE	
08	Epc: 5.7°N, 126.9°E. Mindanao Philippine Islands - H = 20h 14m 00.8s (USCGS) Depth 140 km. Mag. 5.5 (CGS)					
	TOC	iP	20	21	05.6	
	SHL	iP	20	21	15 CSW	
	CHA	iP	20	21	52 C	
	KOD	iP	20	22	37.8 DNW	
		i		22	38	
	DDI	eP	20	22	58.2	
	NDI	iP	20	22	58.5 C	
	POO	eP	20	23	07	
08	DDI	eP	21	16	43.1	
		i		18	08.0	
	NDI	eP	21	16	54	8.2
		iS		18	28	
	BHK	e	21	17	29.4	
		i		17	52.6	
	CHA	eP	21	18	33	15.2
		iS		21	23	
	TOC	e	21	18	43	
	SHL	iP	21	19	19 D	
08	POO	eP	21	22	43	
08	Epc: 6.8 N, 123.6°E. - H = 22h 31m 21.8s (USCGS) Depth 608 km. Mag. 4.9 (CGS)					
	SHL	iP	22	37	32 DSE	
	CHA	iP	22	38	09 D	
	KOD	iP	22	38	52.8 DNW	
	NDI	iP	22	39	14.4 D	
	POO	iP	22	39	21.2 D	
08	NDI	iP	22	51	25.0 CSE	
		i		52	09.8	
08	DDI	eP	22	59	20.7	
		e	23	00	35	
08	NDI	eP	22	59	44	7.8
		eS	23	01	14	
08	NDI	eP	23	11	16	13.4
		eS		13	47	
08	TOC	e	23	50	36	
		e		51	14	
08	SHL	eP	23	50	37	2.8
		eS		51	12	
09	Epc: 4.0°S, 135.8°E. West New Guinea Region. - H =00h 05m 07.6s (USCGS) Depth 15 km. Mag 5.1 (CGS)					
	PBA	e	00	13	26	
		e		18	17	
	TOC	e	00	13	39	
		e		14	10	
	SHL	iP	00	14	15 DNE	52.2
		eS		21	39	
	BOK	e	00	14	44	
	CHA	iP	00	14	51 C	56.2
		S		22	40	
	MDR	eP	00	15	02	57.5
		PP		17	12	
		PPP		18	29	
		PcS/ScP		19	56	
		eS		22	59	
		PPS		23	19	
		ScS		24	51	
		SS		26	45	
	KOD	iP	00	15	17.3 DE	
	POO	eP	00	15	47	65.2
		eS		24	30	
	NDI	eP	00	15	47	65.4
		eS		24	31	
	DDI	iP	00	15	47 D	65.9
		iS		24	33	
	BOM	eP	00	15	54	66.5
		PP		18	23	
		eS		24	44	
		PS		25	07	
	SHL	eP	01	00	03	
09	Epc: 4.0°N, 96.1°E. - H= 01h 11m 11.2s (USCGS) Depth 33 km. Mag. 5.0 (CGS)					
	SHL	eP	01	16	01	
	NDI	i	01	17	23	

DATE	STN	PHASE	H	M	S		Δ Deg
09	Epc: 9.7°N, 126.6°E. Mindanao, Philippine Islands. - H =01h 22m 04.9s (USCGS) Depth 68 km. Mag. 5.3 (CGS)						
	SHL	iP	01	29	06		
09	SHL	iP	01	36	36	CW	
09	NDI	e	01	37	49		
09	Epc: 4.2°S, 153.7°E. New Ireland Region. -H=01h 43m 57.9s (USCGS) Depth 20 km. Mag. 5.0 (CGS)						
	NDI	e	01	56	06		
09	NDI	e	03	35	47		
09	Epc: 7.3°S, 155.9°E Solomon Islands - H = 05h 58m 19.8s (USCGS) Depth 45 km. Mag. 4.8 (CGS).						
	SHL	iP	06	09	30	W	
	NDI	e	06	10	45		
		e		10	54		
	POO	eP	06	10	55		
09	CHA	iPg	06	48	24.0	D	0.8
		P*		48	26.5		
		Sg		48	33.8		
	SHL	eP	06	49	25		
	BOK	e	06	49	33		
09	NDI	i	06	51	49		
09	SHL	iP	08	40	33	C	
09	Epc: 7.2°S, 155.8°E. -H=08h 56m 59.7s (USCGS) Depth 40 km. Mag. 5.1 (CGS)						
	SHL	iP	09	07	33	CSW	
	BOK	e	09	08	36		
	CHA	iP	09	08	38	C	
	DDI	eP	09	09	06		
		i		09	24		
	NDI	eP	09	09	06		
		i		09	25		
	KOD	iP	09	09	08	D	
	POO	iP	09	09	32	C	
09	SHL	eP	11	32	38		
	CHA	iP	11	32	53.9	D	
		i		33	33.5		
09	NDI	eP	11	35	31		6.0
		eS		36	50		
	DDI	eP	11	35	37.2		
09	DDI	eP	14	56	35.4		
09	NDI	ePn	14	56	42		3.2
		Pg		56	55		
		iSn		57	22		
09	Epc: 25.5°N, 125.2°E. South Western Ryukyu Islands. - H =15h 20m 11.5s (USCGS) Depth 93 km. Mag 4.6 (CGS)						
	SHL	iP	15	26	14	CW	
	POO	eP	15	28	42		
	KOD	eP	15	28	42.5	D	
	SHL	eP	16	00	43		
	TOC	e	16	01	26		
09	Epc: 7.0°S, 129.7°E. Banda Sea - H =17h 41m 56.4s (USCGS) Mag. 5.3 (CGS) Depth 143 km.						
	SHL	iP	17	50	31	CSW	
	MDR	e	17	51	01		
	CHA	iP	17	51	05	C	
	KOD	iP	17	51	14	DS	
	POO	eP	17	51	53		
09	NDI	iP	17	52	01.5	CSE	
		e	18	00	07.0		
	DDI	iP	17	52	03.9	C	
09	Epc: 7.3°S, 155.7°E. - H =18h 50m 58.3s (USCGS) Depth 70 km. Mag 4.8 (CGS)						
	SHL	iP	19	02	06	C	
09	Epc: 27.8°N, 87.5°E. -H=19h 54m 36s (New Delhi)						
	CHA	iPg	19	55	02.1	CS	1.3
		Sg		55	19.7		
	BOK	eP	19	55	40		
		i		56	26		
	SHL	iP	19	55	41	DNW	
	TOC	e	19	56	41		
		e		57	02		

DATE	STN	PHASE	H	M	S		Δ Deg
09	DDI	iP	19	56	44.4	C	
		i		58	19.4		
	NDI	iP	19	56	50.0	CW	8.4
		eS		58	27.5		
	POO	iP	19	58	14.5	D	
	KOD	iP	19	59	10.3	DNE	
09	NDI	e	21	18	57		
09	Epc: 7.3°S, 155.7°E. Solomon Islands. -H=21h 18m 36.5s(USCGS) Depth 44 km. Mag 5.6 (CGS)						
	SHL	iP	21	29	46	CW	
	CHA	iP	21	30	14	C	
		i		32	33		
	DDI	e	21	30	59.4		
	NDI	iP	21	31	01	D	
		e		33	20		
09	Epc: 45.6°N, 151.6°E. - H =21h 52m 34.0s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	SHL	iP	22	01	36	CNE	
	NDI	eP	22	02	36	D	
09	CHA	iPg	22	06	23.4	C	0.9
		Sg		06	35.1		
10	SHL	eP	00	22	20		
10	TOC	e	00	23	04		
		e		23	17		
10	NDI	i	02	22	05		
10	PBA	eP	02	31	11		4.1
		iS		32	00		
	MDR	iP	02	32	19	D	8.4
		PP		32	24		
		PPP		32	34		
		iS		33	55		
		LR/SS		34	07		
		SSS		34	16		
	KOD	iP	02	32	43.3	DSW	
	POO	eP	02	34	07		
	CHA	iP	02	34	15	D	
10	NDI	iP	02	35	03.7	D	
		i		35	06		
10	DDI	eP	02	35	13.2		

DATE	STN	PHASE	H	M	S		Δ Deg
10	BOM	ePn	02	37	35		2.4
		P*		37	38		
		PP		37	42		
		eSn		38	05		
		e		38	07		
10	NDI	iP	05	01	20.3	DW	
10	Epc: 7.4°S, 155.7°E. Solomon Islands. -H=04h 59m 53.9s (USCGS) Depth 37 km. Mag. 5.5 (CGS), 6 (PAS), 5.2-5.6 (BRK). Felt at Buin.						
	SHL	iP	05	11	05	CN	
		i		22	13		
	CHA	eP	05	11	31		
	BOK	e	05	11	45		
	KOD	iP	05	12	03	C	
	DDI	eP	05	12	17	C	
	NDI	eP	05	12	19	DW	
	POO	eP	05	12	25		84.3
		eS		22	51		
	BOM	eP	05	12	31		87.4
		eS		23	11		
10	BOM	ePg	06	41	50		0.1
		eSg		41	51		
10	BOM	ePn	06	47	14		1.8
		eSn		47	38		
10	POO	eP	06	47	30		
10	BOM	e	07	09	55		
10	NDI	ePn	07	48	20		2.08
		iSn		48	42		
10	SHL	iPg	09	21	54	D	0.8
		eSg		22	04		
10	Epc: 7.3°S, 155.8°E. Solomon Island. -H=15h 02m 42.2s(USCGS) Depth 29 km. Felt at Buin. Mag. 5.6 (CGS), 6¼(PAS), 5.2-5.6 (BRK).						
	TOC	eP	15	13	46		
	SHL	iP	15	13	54	CNW	69.8
		iS		23	03		
	BOK	iP	15	14	20	CW	74.5
		iS		23	55		

DATE	STN	PHASE	H	M	S		Δ Deg
10 Contd.	BOK	SKS	15	24	13		
		ScS		24	28		
		PS		24	35		
		PPS		24	53		
	CHA	iP	15	14	21	D	75.0
		iS		23	59		
	MDB	eP	15	14	37		78.0
		PcP		14	45		
		PP		17	35		
		PPP		19	24		
		eS		24	30		
		SKS		24	41		
		ScS		24	55		
		PS		25	11		
		PPS		25	41		
	KOD	iP	15	14	52	DNW	
		i		14	53		
	NDI	eP	15	15	07		82.6
		i		15	09		
		eS		25	24		
10	POO	iP	15	15	15.5	D	83.7
		eS		25	38		
	BOM	eP	15	15	20		85.0
		iS		25	49		
		e		26	09		
		PS		26	42		
10	SHL	iP	15	41	56	C	
10	NDI	eP	16	23	12		10.0
		i		23	26		
		iS		25	06		
	BHK	e	16	24	07.0		
		i		24	54.2		
	CHA	eP	16	24	50		
	POO	eP	16	25	12		
	SHL	eP	16	25	34		
10	SHL	iP	17	06	09	CW	
10	HYD	e	17	41	09		
	BOM	e	17	43	-		
10	SHL	eP	18	02	51		1.9
		iS		03	16		

10 Epc: 7.5°S, 155.9°E.
- H = 18h 03m 05.3s (USCGS)
Depth 81 km.

	SHL	iP	18	12	48	C	

10 Epc: 7.3°S, 155.8°E. Solomon Islands
- H = 18h 24m 51.7s (USCGS).
Depth 78 km. Mag. 5.3 (CGS).

	SHL	iP	18	35	59	CSW	
	CHA	iP	18	36	26	C	
	NDI	eP	18	37	13		

10 Epc: 58.6°N, 154.3°W. Alaska Peninsula. -H=19h 57m 34.4s(USCGS)
Depth 86 km. Mag. 5.5 (CGS).

	TOC	eP	20	09	27		
	SHL	iP	20	09	35	CSW	
	CHA	iP	20	09	41	C	
	NDI	iP	20	09	52	CNE	82.0
		e		13	03		
		eS		20	06		
	POO	eP	20	10	11	D	
	KOD	iP	20	11	11	D	
10	KOD	i	20	15	02	D	
10	SHL	eP	20	45	52		
10	SHL	iP	20	56	50	CNW	
	CHA	iP	20	57	17	D	
	NDI	eP	20	58	04	D	

10 Epc: 7.4°S, 155.7°E.
- H = 21h 07m 47.5s (USCGS).
Depth 103 km. Mag. 5.4 (CGS).

	TOC	e	21	15	07		
	SHL	iP	21	18	51	CNE	
	CHA	iP	21	19	19	D	
	NDI	iP	21	20	07	D	

10 Epc: 7.3°S, 155.9°E. Solomon Islands. -H=21h 49m 19.5s(USCGS)
Depth 39 km. Felt at Buin.
Mag. 5.3 (CGS).

	SHL	iP	22	00	31	CSW	
	CHA	iP	22	00	58	C	
	KOD	iP	22	01	29	DW	
		e		01	29		
	NDI	eP	22	01	45		82.8
		i		01	46		
		eS		12	03		

DATE	STN	PHASE	H	M	S		Δ Deg
10	POO	eP	22	01	50		
10	SHL	ePg	22	38	41		1.1
		eSg		38	56		
10	Epc: 3.4°S, 143.2°E. - H = 23h 13m 07.7s (USCGS) Depth 33 km. Mag. 5.5 (CGS).						
	SHL	eP	23	22	37		
	CHA	iP	23	23	27	D	
	KOD	iP	23	24	02	C	
	NDI	i	23	24	23		
	POO	iP	23	24	28	D	
11	PBA	iPg/P*	01	10	39.1	D	1.4
		iS*		10	56.1		
11	Epc: 6.9°N, 97.1°E. - H = 03h 09m 31.9s (USCGS) Depth 33 km. Mag. 4.9 (CGS)						
	PBA	iP	03	11	38	D	
	KOD	iP	03	14	05	DE	
		i		14	07		
	POO	eP	03	15	08		
11	SHL	iP	03	18	56	CNW	1.8
		iS		19	20		
11	SHL	iPg	04	49	00	CSE	0.2
		eSg		49	03		
11	Epc: 3.3°S, 119.2°E. Celebes. - H = 05h 09m 12.1s (USCGS) Depth 21 km. 37 killed 51 injured in Madjene and Polmas Area. Mag. 5.2 (CGS).						
	PBA	iP	05	15	25	D	30.7
		iS		20	28		
	VIS	iP	05	16	55.3	CW	41.5
		iS		23	11		
	SHL	iP	05	16	41	DS	38.9
		iS		22	40		
	CAL	iP	05	16	48	E	40.0
		PcP		18	43		
		iS		22	54		
		SS		25	48		
	MDR	iP	05	17	05	DW	42.0
		PP		18	45		
		PcP		19	06		
		PPP		19	17		
		PcS/ScP		22	57		
		iS		23	25		
		SS		26	37		
11	BOK	iP	05	17	07	DSE	42.0
		PP		18	43		
		PPP		19	24		
		i		20	10		
		iS		23	27		
		PS		23	35		
		PPS		23	42		
		SSS		27	11		
	CHA	iP	05	17	15	C	43.3
		S		23	43		
	KOD	iP	05	17	18	CNE	
	POO	eP	05	18	04		49.3
		eS		25	12		
	BOM	iP	05	18	15	DE	51.1
		iS		25	31		
	NDI	iP	05	18	16.6	DSE	51.3
		iS		25	34		
		PS		25	43		
	DDI	iP	05	18	18.2	D	51.4
		iS		25	37.4		
	HYD	iS	05	24	14		
		SS		27	47		
		SSS		29	53		
11	NDI	e	06	32	50		
11	BOM	e	06	46	50		
		e		46	53		
11	BOK	e	07	59	24		
11	BOK	e	08	11	47		
11	NDI	e	09	04	35		
11	BOK	e	09	38	06		
11	Epc: 23.2°S, 68.8°W. Northern Chile. -H=10h 40m 21.5s (USCGS) Depth 93 km. Mag. 5.0 (CGS).						
	KOD	iP	10	59	51.5	DSE	
	NDI	iP	10	59	57		
	POO	eP	10	59	58		
	KOD	i	11	00	17		
	MDR	ePn	11	00	35		2.3
		eSg		01	05		
	KOD	ePg	11	02	13	DSW	3.3
		iSg		02	55.1		
11	POO	eP	11	02	48		
	BOM	e	11	03	48		
		e		03	52		

DATE	STN	PHASE	H	M	S	Δ Deg
11	Epc: 31.9°N, 141.7°E. South of Honshu, Japan. - H =13h 43m 23.7s (USCGS) Depth 53 km Mag. 4.5 (CGS).					
	NDI	iP	13	52	51 DSE	
		i		53	03	
	POO	iP	13	53	38 D	
	SHL	iP	13	57	38 CNE	
11	SHL	eP	15	04	14	
11	NDI	e	15	05	31	
11	NDI	e	15	32	40	
11	NDI	e	17	47	57	
11	CHA	iPg	18	26	06.2 D	0.8
		Sg		26	16	
11	NDI	iP	19	52	20 DW	
		i		52	28.6	
11	SHL	ePg	19	58	27	1.1
		eSg		58	40	
11	NDI	eP	20	22	46	
11	SHL	iP	21	35	13 CNW	
11	Epc: 7.7°S, 155.8°E. Solomon Island. -H=22h 46m 34.8s(USCGS) Depth 58 km. Mag. 5.0 (CGS)					
	NDI	e	22	59	03	
	POO	eP	22	59	14	
11	POO	eP	23	35	04	
	NDI	eP	23	35	37 D	
12	NDI	i	01	31	17	
12	NDI	i	01	56	43	
		i		56	44	
12	NDI	i	02	01	29	
12	Epc: 3.1°S, 148.1°E. Bismark Sea. -H= 02h 00m 15.9s (USCGS) Depth 33 km. Mag. 4.9 (CGS)					
	NDI	e	02	11	55	
	POO	eP	02	12	03	
12	NDI	e	02	41	48	
12	NDI	e	03	51	11	
		i		51	12.2	
12	SHL	eP	04	05	09	3.8
		eS		05	55	
12	Epc: 19.2°S, 168.9°E. New Hebridges Islands. -H=04h 31m 45.3s (USCGS) Depth 200 km. Mag. 4.7 (CGS)					
	SHL	iP	04	44	10 DS	
12	Epc: 5.3°N, 96.5°E. Northern Sumatra - H = 04h 51m 40.2s (USCGS). Depth 55 km. Mag. 6.1 (CGS), 6½ (PAS), 6 (BRK), 6¾-7 (GOL). Minor damage at Penang, Malaysia.					
	PBA	iP	04	53	27 DSE	6.8
		PP		53	35	
		PPP		53	45	
		eS		54	44	
		SS		54	52	
		i		55	08	
	VIS	iP	04	55	45 CNW	18.5
		iPP		56	00	
		iPPP		59	09	
		iS		59	09	
		iSS		59	32	
		iSSS		59	41	
	MDR	iP	04	55	46 W	18.1
		eS		59	06	
	KOD	iP	04	56	06.5 CNW	
		i	05	00	01	
		i		00	16	
	BOK	iP	04	56	18 DSE	20.1
		PP		56	33	
		PPP		56	35	
		iS		59	59	
		SS	05	00	18	
	SHL	iP	04	56	18 DSW	21.0
		iS	05	00	08	
	TOC	eP	04	56	31	
		e	05	01	33	
	CHA	iP	04	56	47 CSE	23.4
		eS	05	00	57	
	GOA	eP	04	56	59	
		i	05	01	28	
	CAL	eP	04	55	54	
		e		59	29	
	POO	iP	04	57	08.2 C	26.1
		eS	05	01	38	
		i		02	03	
	SEH	eP	04	57	11	25.9
		eS	05	01	39	
	BOM	eP	04	57	20	26.7
		i		57	22	

DATE	STN	PHASE	H	M	S		Δ Deg
12 Contd.	BOM	PP	04	58	04		
		PPP		58	16		
		PcP	05	00	41		
		iS		01	55		
		SSS		03	26		
		i		03	37		
	NDI	iP	04	57	42	DSE	29.1
		i		58	35		
		PP		58	50		
		PcP	05	00	50		
		e		02	20		
		iS		02	34		
		SS		04	08		
	DDI	iP	04	57	50	C	
		i		58	56		
		i	05	03	02		
	BHK	iP	04	58	09.6	C	
		e	05	03	15		
12	Epc: 5.5°N, 96.7°E. Norther Sumatra. - H =05h 11m 14.1s(USCGS) Depth 33 km. Mag. 5.7 (CGS).						
	PBA	eP	05	13	10		
12	SHL	iP	06	03	52	DSW	
12	Epc: 5.3°N, 96.6°E. Norther Sumatra.-H=06h 03m 37.3s(USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	PBA	eP	06	05	38		
	SHL	eP	06	08	17		
	POO	eP	06	09	08		
12	BOM	ePg	06	18	19		0.2
		eSg		18	22		
12	SHL	iP	06	34	56	DNW	
12	SHL	eP	07	02	55		
12	BOK	e	07	17	15		
12	SHL	iPg	08	03	50	DNW	0.2
		eSg		03	53		
12	SHL	iP	08	16	13	DSE	
12	BOK	e	08	21	53		
12	NDI	iP	08	29	17.2	D	8.6
		iS		30	56		
	DDI	eP	08	30	32.5		
	SHL	iP	08	33	23	DS	
12	NDI	e	09	12	36		
12	SHL	iP	09	40	12	DN	
12	SHL	iP	10	55	17		
12	DDI	eP	11	19	14		
	NDI	e	11	20	06		
12	SHL	iP	12	15	21	CNW	
12	NDI	e	12	54	45		
12	SHL	iP	13	45	39	DSE	1.8
		eS		46	03		
12	Epc: 7.5°S, 155.8°E. Solomon Islands. -H=13h 46m 05s (USCGS) Depth 49 km. Mag. [illegible]						
	SHL	iP	13	57	15	C	
	CHA	e	13	57	41.0		
	BOK	e	13	57	42		
	KOD	iP	13	58	12.8	D	
	DDI	iP	13	58	25.3	C	
	NDI	iP	13	58	30	C	
		e	14	07	21		
	POO	eP	13	58	36		
	BOM	eP	13	58	41		85.6
		eS	14	09	13		
12	Epc: 7.3°S, 155.6°E. Solomon Islands. -H=13h 54m 57.2s(USCGS) Depth 52 km. Mag. 5.2 (CGS), 4.9-5.3 (BRK)						
	SHL	iP	14	06	06	CSW	
	CHA	iP	14	06	33	D	
	KOD	iP	14	07	04.1	DW	
	DDI	eP	14	07	16.8		
	POO	iP	14	07	26.5	C	
	BOM	eP	14	07	32		85.6
		eS		18	04		
		i		18	14		
12	NDI	iP	14	16	56	C	
12	NDI	eP	14	17	39		
12	Epc: 14.1°N, 146.5°E. Mariana Islands. -H=14h 21m 32.6s(USCGS) Depth 61 km. Mag. 4.7 (CGS)						
	SHL	iP	14	30	41	D	
	CHA	iP	14	31	13		
	NDI	eP	14	32	11		

DATE	STN	PHASE	H	M	S		Δ Deg
12	Epc: 7.4°S, 155.7°E. Solomon Islands. -H=14h 51m 49.4s(USCGS) Depth 21 km. Mag. 5.3 (CGS)						
	SHL	iP	15	03	03	C	
	CHA	eP	15	03	31		
	KOD	iP	15	04	01.2	C	
	NDI	eP	15	04	18	D	83.2
		eS		14	37		
	POO	eP	15	04	24		
	BOM	eP	15	04	29		86.3
		eS		15	04		
12	BOK	e	15	31	24		
12	CHA	eP	15	32	44		1.8
		S		33	08		
12	PBA	eP	16	00	48		
12	Epc: 8.3°S, 127.0°E. Timor - H =18h 06m 59.2s (USCGS) Depth 13 km. Mag. 4.4(CGS)						
	SHL	iP	18	15	39	CE	
	CHA	eP	18	16	13		
	TOC	e	18	16	14		
	NDI	eP	18	17	08		
12	Epc: 7.5°S, 155.7°E. Solomon Islands. -H=15h 45m 12.2s(USCGS) Depth 73 km. Mag. 5.1 (CGS)						
	KOD	eP	18	52	08	DSE	
	SHL	iP	18	52	30	CSE	
	CHA	iP	18	52	48	D	
12	Epc: 14.4°N, 56.7°E. Arabian Sea - H = 19h 28m 55.3s (USCGS) Depth 33 km. Mag 4.7 (CGS)						
	NDI	eP	19	33	36		
		e		34	09		
	POO	e	19	33	53		
12	Epc: 5.2°N, 96.7°E. -H=19h 33m 47.4s (USCGS) Depth 56 km. Mag 5.2 (CGS)						
	PBA	eP	19	35	03		
	CHA	iP	19	35	15	D	
	SHL	iP	19	35	46	CSE	
	MDR	e	19	37	55		
12	KOD	iP	19	38	16	DSE	
	SHL	iP	19	38	27	DSW	
	CHA	iP	19	38	54	D	
	POO	iP	19	39	16.5	C	
	NDI	iP	19	39	49.2	SR	
	DDI	eP	19	39	53.6		
12	SHL	iP	20	40	57	CW	
12	Epc; 35.5°S, 73.3°W. Off Coast of Central Chile. - H =21h 22m 09.3s (USCGS) Depth 12 km. Mag. 5.3 (CGS)						
	KOD	iP	21	41	43	D	
	POO	eP	21	41	50		
	NDI	iP	21	42	02.2	D	
	DDI	eP	21	42	02.9		
	CHA	iP	21	42	12	D	
	SHL	iP	21	43	06	CSW	
12	Epc: 7.4°S, 155.3°E. - H = 22h 26m 25s (USCGS) Depth 107 km. Mag. 5.1 (CGS)						
	SHL	iP	22	37	26	CSW	
	CHA	iP	22	37	53	C	
	NDI	eP	22	38	40		
12	Epc: 7.1°S, 155.6°E. Solomon Islands. -H = 22h 50m 43.9s(USCGS) Depth 72 km. Mag. 4.8 (CGS)						
	SHL	iP	23	01	50	CSW	
	CHA	iP	23	02	17	D	
	NDI	eP	23	03	04	D	
		e		08	36		
12	SHL	iP	23	17	51	DS	
12	Epc: 7.5°S, 155.6° E. Solomon Islands. -H=2 3h 22m 20.4s (USCGS) Depth 78 km. Mag. 5.1 (CGS)						
	SHL	iP	23	33	25	CSW	
	NDI	e	23	34	39		
13	NDI	i	02	47	28		
13	SHL	iPg	03	10	25	DN	1.0
		iSg		10	38		
13	MDR	e	03	11	03		

DATE	STN	PHASE	H	M	S		Δ Deg
13	Epc: 18.7°S, 168.8°E. - H = 04h 14m 33.6s (USCGS) Depth 123 km. Mag. 5.2 (CGS).						
	SHL	iP	04	27	06	DW	
13	Epc: 46.8°N, 152.7°E. - H = 04h 47m 16.4s (USCGS) Depth 49 km. Mag. 4.7 (CGS)						
	SHL	iP	04	56	25	C	
13	SHL	iP	05	24	13	CN	
13	NDI	i	05	32	37		
13	NDI	i	05	37	12		
		i		37	41		
13	NDI	i	05	47	40		
		e		49	43		
13	SHL	iP	05	49	46	DS	
13	NDI	i	05	53	43		
13	SHL	iPg	06	41	42	CNE	0.8
		iSg		41	52		
	CHA	iP	06	42	30	D	4.2
		i		42	36.9		
		eS		43	19.8		
	BOK	e	06	42	43		
	NDI	eP	06	46	32		
	POO	eP	06	50	21		
13	SHL	iP	07	32	44	CSW	
13	BOK	e	07	51	17		
13	Epc: 5.5°N, 96.6°E - H =08h 25m 43.8s (USCGS) Depth 68 km. Mag. 5.2 (CGS)						
	PBA	iP	08	27	29	C	1.4
		e		29	20		
	MDR	iP	08	29	49	CE	15.7
	KOD	iP	08	30	09.5	SW	
		i		30	09.6		
	SHL	iP	08	30	20	CNE	21.0
		iS		34	10		
	BOK	e	08	30	22		
	CHA	iP	08	30	49	C	
	TOC	eP	08	30	51		
	POO	iP	08	31	10.5	C	
	NDI	eP	08	31	44		
	DDI	iP	08	31	46	C	
13	BOM	e	08	36	25		
13	NDI	eP	11	54	35		
13	SHL	iP	12	28	00		
13	SHL	iP	13	38	49	CNW	
13	SHL	iP	13	54	00	D	
13	NDI	ePn	14	19	03		2.2
		Sn		19	31		
		i		19	41		
		i		19	44		
13	SHL	iP	16	22	43	DNW	
13	SHL	iPg	16	25	12	CSW	1.2
		iSg		25	28		
13	SHL	iP	17	42	16	C	
13	Epc: 27.9°S, 66.9°W. Catamarca Province, Argentina. - H = 17h 41m 28.9s (USCGS) Depth 158 km. Mag. 4.5 (CGS)						
	NDI	iPKP	18	00	57.5	D	
	SHL	i	18	09	23	DS	
13	Epc: 52.1°N, 157.6°E. Kamchatka - H = 18h 40m 07.7s (USCGS) Depth 50 km. Mag. 5.3 (CGS)						
	SHL	iP	18	49	38	DNE	
	CHA	iP	18	49	53	D	
	NDI	eP	18	50	23		
	POO	eP	18	51	25		
13	Epc: 27.3°N, 128.7°E. Ryukyu Islands. - H=19h 53m 42.4s(USCGS) Depth 38 km. Mag. 6.0 (CGS)						
	TOC	e	19	59	57		
	SHL	iP	20	00	15	CSW	
	CHA	iP	20	00	49	C	
		i		01	12		
		i		03	11		
	PBA	eP	20	00	52		
	BOK	e	20	01	01		
	DDI	iP	20	01	44.6	C	
	NDI	iP	20	01	56.5	NWC	43.7
		e		07	28		
		eS		08	28		
		e		11	49		
	MDR	iP	20	02	15	CE	
		e		02	33		

DATE	STN	PHASE	H	M	S		Δ Deg
13 Contd.	POO	iP	20	02	41	C	
	KOD	iP	20	02	43.6	CSW	
		i		02	43.8		
13	Epc: 18.5°N, 100.2°W. Guerrero, Mexico. -H=19h 59m 51.9s(USCGS) Depth 86 km. Mag. 5.6 (CGS), 4.3-4.7 (BRK). Felt at Mexico City, Iguala, Coyuka and Catalan.						
	SHL	eP	20	19	02		
	POO	iP	20	19	12.7	C	
	PBA	iP	20	19	26	D	
	MDR	e	20	19	31		
	KOD	iP	20	19	38	DS	
		e		19	38		
13	Epc: 14.5°N, 56.5°E. - H =21h 43m 12.4s (USCGS) Depth 33 km. Mag. 4.1 (USCGS)						
	NDI	eP	21	48	26		
13	SHL	eP	22	34	25		
13	SHL	iP	23	26	27	CSW	
14	SHL	eP	00	28	15		3.3
		eS		28	56		
14	SHL	eP	01	01	55		1.3
		iS		02	13		
14	NDI	iP	01	30	53	D	
14	NDI	i	03	08	34		
14	DDI	ePKP	05	01	35.9		
	NDI	e	05	03	32		
	SHL	eP	05	04	59		
	KOD	i	05	38	37.6	C	
14	SHL	iP	05	59	53	C	2.0
		eS	06	00	19		
	TOC	e	06	00	00		
14	Epc: 6.4°S, 131.5°E. Tanimbar Islands Region. - H =08h 01m 54.3s (USCGS) Depth 51 km. Mag. 4.9 (CGS)						
	BOK	e	08	08	00		
	SHL	iP	08	10	46		
	NDI	i	08	12	16		
14	TOC	eP	09	08	14		4.8
		eS		09	11		
14	SHL	iP	09	08	18	DNE	
	CHA	eP	09	09	06		
		i		11	05		
	BOK	e	09	11	51		
14	Epc: 17.1°S, 167.7°E. - H = 09h 39m 14.3s (USCGS) Depth 28 km. Mag. 4.7 (CGS)						
	SHL	iP	09	51	49	D	
14	KOD	iP	12	09	48	DSW	
	SHL	iP	12	10	00	DSW	
14	Epc: 22.8°S, 69.4°E. - H = 13h 51m 17.2s (USC GS) Depth 33 km. Mag. 4.8 (CGS)						
	NDI	eP	14	00	29		
	SHL	iP	14	00	32	D	
14	KOD	iP	14	10	29.3	DSW	
		e		10	29.5		
14	SHL	iP	14	39	48	DNW	
14	Epc: 7.4°S, 155.5°E - H= 14h 41m 17.6s (USCGS) Depth 77 km. Mag. 5.1 (CGS)						
	SHL	iP	14	52	13	CS	
	NDI	iP	14	53	32	D	
14	Epc: 51.7°N, 168.7°W. Fox Islands, Aleutian Islands. - H = 15h 28 m 39.3s (USCGS) Depth 37 km. Mag. 4.6 (CGS)						
	SHL	eP	15	40	24	NE	
14	NDI	e	18	31	16		
14	Epc: 14.6°N, 56.5°E. -H= 18h 58m 20.5s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	NDI	eP	19	03	38		
	SHL	iP	19	05	11	DSW	
14	SHL	eP	19	28	44		
14	SHL	iP	20	04	25	C	2.5
		eS		04	57		
	TOC	e	20	05	10		

DATE	STN	PHASE	H	M	S	Δ Deg	
14	SHL	eP	20	14	49		
14	SHL	eP	21	12	19		
15	Epc: 23.7°N, 94.0°E. -H = 00h 19m 56s (New Delhi)						
	SHL	iP	00	20	37	CNW	
	TOC	ePn	00	20	43		1.8
		P*		20	44		
		ePg		20	46		
		eSn		21	07		
	CHA	iP	00	21	37.8	C	6.7
		i		22	10.9		
		S		22	55.6		
	BOK	e	00	21	41		
	DDI	eP	00	23	30.4		
	NDI	eP	00	23	37		14.4
		eS		26	18		
	KOD	iP	00	24	39	CSW	
15	POO	e	00	27	53		
15	SHL	eP	04	57	36		
	NDI	eP	05	03	15		
15	BOK	e	08	28	02		
15	BOK	e	09	23	57		
15	Epc: 16.7°S, 167.7°E. -H= 15h 39m 31.8s (USCGS) Depth 18 km. Mag. 4.4 (CGS)						
	SHL	iP	15	52	07	D	
	NDI	e	16	02	01		
15	SHL	iP	16	08	43	CS	
15	Epc: 20.7°N, 38.7°E -H= 16h 59m 07.8s (USCGS) Depth 33 km. Mag. 4.9 (CGS)						
	SHL	iP	17	07	51	CE	
15	SHL	ePg	18	23	27		1.2
		eSg		23	43		
15	Epc: 51.4°N, 179.1°W. Andreanof Islands, Aleutian Islands. -H= 20h 55m 46.9s (USCGS) Depth 49 km. Mag. 4.9 (CGS)						
	SHL	iP	21	06	54	CSW	
	CHA	iP	21	07	07	C	
	NDI	iP	21	07	30.7	NEC	
15	POO	iP	21	08	23.2	D	
15	Epc: 41.9°N, 142.3°E. Hokkaido, Japan Region -H= 23h 35m 51.1s (USCGS) Depth 66 km. Mag. 4.9 (CGS)						
	SHL	iP	23	43	57	CW	
	CHA	iP	23	44	21	C	
	DDI	eP	23	44	56		
	NDI	iP	23	45	07.5	CS	
		i		45	11		
	POO	iP	23	46	06.2	D	
	KOD	iP	23	46	24.5	CNE	
16	NDI	e	01	47	36		
16	NDI	e	02	20	07		
16	NDI	i	02	30	57		
16	SHL	iPg	07	07	24	CS	0.1
		eSg		07	25		
16	SHL	iPg	07	44	34	CS	0.1
		iSg		44	35		
16	BOK	e	08	03	42		
16	DDI	e	09	42	26		
		i		45	26.7		
	NDI	e	09	42	30		
16	Epc: 46.4°N, 153.3°E -H = 10h 10m 06.7s (USCGS) Depth 24 km. Mag. 5.3 (CGS)						
	SHL	iP	10	19	21	CSW	
	DDI	iP	10	20	04	C	
	NDI	iP	10	20	17.6	CSW	61.3
		eS		28	37		
	PBA	iP	10	20	24	C	
	MDR	eP	10	21	13		
	POO	iP	10	21	16.5	C	
	BOM	eP	10	21	21		
	KOD	iP	10	21	37	DN	
16	SHL	iP	10	26	11	DNW	
16	SHL	iP	14	20	51	CNE	
16	SHL	iP	14	59	12	CN	

DATE	STN	PHASE	H	M	S		Δ Deg
16	Epc: 4.2°N, 123.2°E. -H = 16h 32m 17.3s (USCGS) Depth 590 km. Mag. 5.2 (CGS)						
	SHL	iP	16	38	38	DSE	
	CHA	iP	16	38	54		
	KOD	iP	16	39	47	DSW	
	NDI	iP	16	40	18	D	
	POO	eP	16	40	20		
16	NDI	eP	20	34	47		
16	NDI	e	20	40	46		
17	SHL	iP	01	30	36	CNE	2.8
		eS		31	11		
	TOC	ePg	01	30	41		2.4
		eSg		31	11		
17	NDI	eP	02	43	23	C	
17	SHL	eP	03	50	23		
	NDI	e	03	52	17		
17	NDI	e	04	24	51		
17	NDI	e	04	42	14		
17	NDI	i	06	23	27		
17	NDI	i	06	44	04.5		
		e		44	08.0		
17	KOD	iPg	07	47	53.6	DSW	2.6
		iSg		48	25.2		
17	BOK	e	07	51	41		
17	BOK	e	10	13	11		
17	BOK	e	10	56	16		
17	Epc: 24.9°N, 122.2°E. Taiwan Region. -H=11h 07m 12.9s(USCGS) Depth 31 km. Mag. 5.0 (CGS)						
	SHL	iP	11	13	00	CSW	
	NDI	eP	11	14	49		
	POO	eP	11	15	30		
17	Epc: 12.5°S, 166.3°E. - H = 11h 18m 19.3s (USCGS) Depth 45 km. Mag. 4.0 (CGS)						
	SHL	iP	11	30	37	CNW	
	NDI	eP	11	31	40		
	POO	eP	11	31	45		
	BOM	e	11	32	51		
17	Epc: 25.9°N, 128.7°E. - H= 19h 40m 09.5s (USCGS) Depth 33 km. Mag. 5.0 (CGS)						
	SHL	iP	19	46	45	CNW	
	CHA	iP	19	47	20	D	
	NDI	iP	19	48	27.5	C	
17	Epc: 34.6°N, 33.0°E. - H=21h 37m 54.5s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	SHL	iP	21	46	58	CSW	
17	SHL	eP	23	12	41		2.0
		eS		13	07		
18	POO	iP	07	24	42.6	C	
18	BOK	e	08	41	20		
18	Epc: 11.7°N, 87.2°W. - H = 08h 29m 17.1s (USCGS) Depth 113 km. Mag. 4.7 (CGS)						
	KOD	iP	08	49	08	CSE	
		i		49	09		
		e		49	09		
	NDI	e	09	45	42		
18	NDI	e	10	08	26		
18	NDI	Pg	10	25	30.2	CSW	0.4
		Sg		25	35.4		
18	SHL	iP	11	06	03	D	3.1
		iS		06	41		
18	TOC	eP	17	27	35		
18	SHL	eP	17	27	37		5.3
		eS		28	40		
18	DDI	eP	17	33	28		
		i		35	09		
	NDI	eP	17	33	44		8.8
		eS		35	25		
18	SHL	iP	19	37	59	CNE	2.6
		eS		38	32		
	TOC	eP	19	38	43		
	CHA	eP	19	38	55.1		7.1
		S		40	16.6		
	NDI	eP	19	43	39		
18	SHL	eP	21	08	25		2.8
		eS		09	01		
	TOC	e	21	09	37		

DATE	STN	PHASE	H	M	S		Δ Deg
18	NDI	iPn	21	31	54.5		1.4
		iSn		32	14.5		
19	POO	eP	06	33	25		
19	NDI	iP	06	46	33.5	C	
19	SHL	iP	07	34	30	DNE	
19	BOK	e	07	56	15		
19	TOC	eP	08	02	39		
19	SHL	iP	08	02	49	CW	
19	NDI	iP	08	05	37.2	D	
		i		05	37.7		
	POO	eP	08	06	24		
19	KOD	iP	08	06	35	C	
19	NDI	iPn	08	44	40	D	3.3
		i		44	41		
		e		45	08		
		eS		45	21		
19	Epc: 7.6°S, 128.7°E. - H= 08h 59m 44.4s (USCGS) Depth 251 km. Mag. 5.1 (CGS)						
	NDI	i	09	09	28		
19	NDI	iP	09	42	02.6	DS	8.0
		eS		43	35		
19	KOD	ePg	09	56	25	DSW	2.5
		iSg		56	57.2		
19	Epc: 45.4°N, 150.8°E. - H = 10h 45m 49.2s (USCGS) Depth 33 km. Mag. 4.3 (CGS)						
	SHL	iP	10	55	49	CNE	
	NDI	eP	10	56	49.8		
19	Epc: 28.4°N, 141.1°E. Bonin Islands Region. -H = 11h 00m 57.2s (USCGS) Depth 300 km. Mag. 4.0 (CGS)						
	NDI	i	11	09	49		
19	SHL	iP	13	12	58	DNE	
19	NDI	iSg	16	00	57.2		
19	TOC	e	16	06	12		
19	SHL	ePg	16	07	04		0.6
		eSg		07	12		
19	IOC	eP	19	16	41		
19	SHL	iP	19	16	56	CE	

DATE	STN	PHASE	H	M	S		Δ Deg
19	NDI	iPn	22	08	45		2.0
		eSn		09	11		
19	SHL	eP	23	55	03		
20	Epc: 5.5°S, 129.7°E. -H= 00h 01m 24.9s (USCGS) Depth 163 km. Mag. 5.7 (CGS)						
	SHL	iP	00	09	50	CNW	
	CHA	iP	00	10	23	C	
	KOD	iP	00	10	36.8	DSE	
	POO	iP	00	11	14.9	C	
20	NDI	iP	00	11	21	CNW	57.5
		eS		19	18		
20	Epc: 6.9°N, 73.2°W. - H = 02h 24m 44.3s (USCGS) Depth 131 km.						
	NDI	eP	02	41	57		
20	Epc: 49.7°N, 78.1°E. Eastern Kazakh SSR. -H= 04h 07m 57.6s (USCGS) Mag. 5.7 (CGS)						
	BHK	iP	04	12	14.2	D	
		i		12	16.1		
	DDI	iP	04	12	26.5	D	
		i		12	48.8		
	NDI	iP	04	12	44.5	CSE	
	CHA	iP	04	13	17	C	
	SHL	iP	04	13	37	CSE	
	POO	eP	04	14	21		
	KOD	iP	04	15	31.5	CE	
		i		15	31.8		
20	POO	eP	07	00	23		
20	POO	eP	07	36	28		
20	BOK	e	07	39	32		
20	BOK	e	08	18	16		
20	NDI	e	08	37	47		
20	NDI	e	08	38	28		
20	NDI	i	08	38	39		
20	NDI	i	08	41	29		
20	Epc: 17.3°N, 120.1°E. - H =11h 51m 05.4s (USCGS) Depth 62 km. Mag. 4.5 (CGS)						

DATE	SIN	PHASE	H	M	S		Δ Deg
20	SHL	iP	11	56	48	CW	
20	SHL	ePg	12	12	49	SW	0.8
		iSg		12	59		
20	SHL	iP	12	15	43	D	
20	SHL	iP	13	10	08	DW	
20	SHL	ePn	13	16	05		1.4
		eSg		16	24		
	TOC	eP	13	16	20		
		e		16	33		
20	TOC	e	22	34	34		
20	SHL	iP	22	34	52	CW	
21	BHK	eP	04	38	23		6.8
		e		38	35		
		i		39	20		
		iS		39	42		
	DDI	eP	04	38	35		7.2
		i		39	10		
		iS		39	57.6		
		i		40	41.6		
		i		41	07.7		
	NDI	eP	04	38	40		7.8
		iS		40	09		
	SHL	iP	04	41	19	D	
	POO	eP	04	43	55		
21	NDI	iP	04	51	42.5	CSE	9.5
		eS		53	30		
21	SHL	iP	04	54	11	DS	
21	BOK	e	07	13	21		
21	Epc: 5.4°S, 126.9°E. - H =08h 14m 25s (USCGS) Depth 33 km.						
	PBA	eP	08	21	42		38.8
		i		24	08		
		eS		27	37		
		i		28	43		
	TOC	eP	08	22	41		
	SHL	iP	08	22	46	CSW	45.7
		iS		29	29		
	CAL	iP	08	23	00	W	47.2
		iS		29	50		
	VIS	eP	08	23	08		
	MDR	eP	08	23	16		50.6
		PP		25	09		
		eS		30	27		
		PS		30	37		
		SS		34	00		
21	CHA	iP	08	23	20	D	49.6
		S		30	28		
		i		31	34		
		ScS		32	43		
		SSS		35	42		
	KOD	iP	08	23	30	DNE	
		i		23	11		
	BOK	iP	08	23	13	CNW	50.0
		PP		25	11		
		PPP		26	03		
		iS		30	20		
		pS		30	27		
		SS		33	50		
		LQ		34	56		
		SSS		35	14		
	POO	eP	08	24	11		57.0
		eS		32	05		
	NDI	eP	08	24	18	D	58.0
		e		25	41		
		eS		32	18		
		i		33	41		
		e		36	06		
		SS		36	19		
		e		38	20		
		SSS,LQ		39	07		
	DDI	eP	08	24	19		58.6
		eS		32	19		
		ScS		34	16		
	ROM	eP	08	24	17		59.9
		e		24	39		
		PPP		27	51		
		i		29	52		
		eS		32	25		
		pS		32	33		
		ppS		32	41		
		SS		36	15		
21	Epc: 5.9°N, 125.9°E. - H = 08h 52m 54.8s (USCGS) Depth 93 km. Mag. 4.6 (CGS)						
	SHL	iP	08	55	02	C	
21	SHL	iP	09	00	05	D	
21	SHL	iP	11	28	44	D	
21	CHA	iP	14	31	16.2	D	2.4
		P*		31	20.2		
		eS		31	46		
21	Epc: 5.8°N, 96.8°E. - H = 16h 28m 37.8s (USCGS) Depth 72 km. Mag. 4.8 (CGS)						
	KOD	iP	16	23	04.7	DSE	
	SHL	iP	16	33	17	DSE	

DATE	STN	PHASE	H	M	S		Δ Deg
21	CHA	eP	16	33	44		
	TOC	eP	16	33	57		
	POO	eP	16	34	05		
21	SHL	iP	20	08	15	CW	2.3
		eS		08	45		
	TOC	eP	20	08	49		
22	DDI	eP	03	01	23		10.2
		i		03	19		
	NDI	eP	03	01	43		11.4
		iS		03	52		
	BHK	e	03	02	43		
		e		03	50		
	SHL	iP	03	03	23	DS	
22	NDI	i	03	28	51		
22	SHL	iP	04	10	49	CNE	
22	NDI	eP	05	22	46		
	SHL	eP	05	23	21		
22	BOK	e	07	26	11		
22	Epc: 5.6°S, 126.8°E - H= 08h 37m 25.5s (USCGS) Depth 33 km. Mag. 5.2 (CGS)						
	PBA	iP	08	44	42	D	
	TOC	eP	08	45	42		
	SHL	iP	08	45	48	CNW	46.6
		eS		52	37		
	VIS	eP	08	46	11		
	BOK	iP	08	46	15	CNW	50.3
		PP		48	11		
		PPP		49	06		
		PcS		51	23		
		eS		53	24		
		PPS		53	41		
	MDR	eP	08	46	17		50.6
		PP		48	17		
		eS		53	28		
	CHA	iP	08	46	21	CNW	51.0
		S(?)		53	38		
	KOD	iP	08	46	31	DSE	
	POO	eP	08	47	12		57.6
		eS		55	10		
	BOM	eP	08	47	15		60.4
		PP		49	25		
		eS		55	26		
22	NDI	eP	08	47	20	DSE	58.3
Contd.		eS		55	22		
22	NDI	iP	08	47	21	C	
22	Epc: 5.5°S, 126.5°E. - H = 11h 54m 24.9s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	12	02	47	CNW	
	NDI	iP	12	04	19		
22	Epc: 5.1°N, 96.4°E. - H = 13h 07m 38.1s (USCGS) Depth 42 km. Mag. 5.4 (CGS)						
	PBA	iP	13	09	27.6	CS	2.2
		eS		09	55.6		
	MDR	eP	13	11	46		18.7
		pP		12	00		
		PPP		12	08		
		eS		15	10		
		SS		15	30		
	VIS	eP	13	11	47		18.7
		iS		15	11		
	CAL	iP	13	12	05	SE	
	KOD	iP	13	12	07		20.3
		iS		15	50		
		i		15	53		
	SHL	iP	13	12	19	DSE	21.4
		iS		16	13		
	TOC	eP	13	12	33		22.4
		e		13	01		
		eS		16	35		
	CHA	iP	13	12	46	C	24.4
		S		17	04		
	POO	iP	13	13	08	C	26.0
		eS		17	37		
	BOM	iP	13	13	16	CW	27.0
		i		13	20		
		iS		17	53		
		e		18	10		
		SS		19	06		
		SSS		19	23		
	BOK	e	13	13	30		
		i		17	28		
	NDI	eP	13	13	41	SE	29.6
		eS		18	36		
		SS		20	07		
	DDI	iP	13	13	49.3	C	
		i		14	24.3		
		i		14	35.5		

DATE	STN	PHASE	H	M	S		Δ Deg
22	Epc: 8.3°N, 82.8°W. Panama Costarica border Region - H = 14h 43m 21.4s (USCGS) Depth 40 km. Mag. 5.0 (CGS)						
	NDI	eP	15	02	45		
	POO	iP	15	02	53.8	D	
	SHL	iP	15	02	57	CW	
22	NDI	iP	15	31	54.5	CS	8.8
		iS		33	34		
22	SHL	iP	15	55	44	DSE	
	NDI	e	15	57	23		
22	Epc: 8.4°N, 82.8°W. Panama Costarica Border Region - H =16h 32m 55.6s (USCGS) Depth 40 km. Mag. 5.0 (CGS)						
	SHL	iPKP	16	52	31	D	
22	NDI	iPg	17	15	26.8	CSE	0.3
		iSg		15	30.8		
22	POO	eP	17	21	04		
22	Epc: 8.3°N, 127.2°E -H= 17h 27m 49.0s (USCGS) Depth 67 km. Mag. 5.1 (CGS)						
	SHL	iP	17	34	58	DE	
22	CHA	e	17	35	39		
22	NDI	iP	17	36	44.2	C	
		i		36	58		
22	DDI	eP	17	36	44		
		i		36	57.7		
22	Epc: 7.0°S, 129.5°E. - H = 19h 41m 57.8s (USCGS) Depth 82 km. Mag. 5.5 (CGS)						
	SHL	iP	19	50	38	CNW	
	MDR	e	19	51	07		
	CHA	iP	19	51	10	C	
	KOD	iP	19	51	21	DE	
	POO	iP	19	52	00.8	C	
	NDI	iP	19	52	08.1	CSW	
	DDI	iP	19	52	10	C	
	BOK	e	19	52	19		
22	CHA	iPg	20	34	25.1	D	
22	CHA	iPg	20	35	32	C	
22	CHA	iPg	20	45	59.6	D	
22	NDI	eP	22	00	19		
22	SHL	iPg	22	22	50	DSW	0.2
		eSg		22	53		
22	Epc: 46.8°N, 151.6°E - H = 23h 00m 32.4s (USCGS) Depth 73 km. Mag. 4.4 (CGS)						
	SHL	iP	23	09	31		
	NDI	e	23	10	30		
	POO	iP	23	11	28.5	C	
23	Epc: 52.3°N, 174.2°E. Near Islands, Aleutian Islands. - H =05h 29m 47.3s (USCGS) Depth 42 km. Mag. 4.4 (CGS)						
	SHL	iP	05	40	29	CNE	
	POO	eP	05	42	04		
23	Epc: 36.3°N, 2.4°E. Algeria - H = 09h 30m 22.0s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	KOD	iP	09	41	45	DSW	
	SHL	iP	09	42	02	CSE	
23	NDI	eP	10	37	50		7.1
		eS		39	12		
23	SHL	iPg	11	03	54	CNW	0.9
		eSg		04	06		
23	POO	eP	11	51	25		
23	Epc: 8.6°N, 126.5°E. Mindanao, Philippine Islands - H = 12h 50m 24.9s (USCGS) Depth 43 km. Mag. 5.3 (CGS)						
	SHL	iP	12	57	33	DNE	37.3
		iS	13	03	21		
	BOK	e	12	58	13		
	CHA	eP	12	58	13		
	KOD	iP	12	59	06.2	C	
	DDI	iP	12	59	17.8	R	
		i		59	25.0		
	NDI	eP	12	59	18	D	49.9
		eS	13	06	28		
	POO	eP	12	59	40		
23	SHL	eP	14	37	47	S	1.7
		eS		38	09		
	TOC	eP	14	38	03		

DATE	STN	PHASE	H	M	S		Δ Deg
23	Epc: 1.6°N, 80.2°E.						
	- H = 15h 01m 06.8s (USCGS)						
	Depth 23 km Mag. 5.1 (CGS)						
	KOD	iP	15	03	13.6	NE	
	MDR	iP	15	03	44	D	10.5
		iS		05	44		
		SS		05	57		
	POO	iP	15	04	13	D	
	PBA	e	15	04	55		
		e		07	35		
	BOM	eP	15	05	24		17.6
		e		05	28		
		e		08	17		
		eS		08	39		
	SEH	e	15	06	07		
		e		09	51		
	BOK	e	15	06	20		
	CHA	eP	15	06	42		
		i		07	01		
		i		11	48		
	SHL	iP	15	06	44	CNE	
		i		11	40		
	NDI	eP	15	06	50		
		i		06	52		
		PP		06	29		
		i		06	56.5		
		i		07	16		
		e		11	54		
	TOC	eP	15	07	10		
	DDI	eP	15	07	11		
		i		07	53.6		
		i		13	11.9		
	HYD	e	15	10	21		
23	SHL	ePn	16	39	22		1.4
		iSn		39	42		
23	NDI	iPg	17	34	05.6		0.14
		iSg		34	07.4		
23	Epc: 13.5°N, 146.1°E. South of Mariana Islands						
	- H = 17h 52m 51s (USCGS)						
	Felt at Guam. Depth 56 km.						
	Mag. 5.6 (CGS)						
	SHL	iP	18	01	59	DSE	
	CHA	iP	18	02	31	D	
	MDR	eP	18	03	23		
		e		04	00		
23 Contd.	DDI	iP	18	03	25.3	D	
	NDI	iP	18	03	29	D	
	KOD	iP	18	03	43	CSW	
	POO	eP	18	03	54		
23	Epc: 52.0°N, 160.3°E.						
	- H = 18h 16m 51.3s (USCGS)						
	Depth 33 km. Mag. 4.4 (CGS)						
	SHL	iP	18	26	31	D	
23	Epc: 25.0°N, 94.7°E.						
	-H= 20h 18m 55.3s (USCGS)						
	Depth 75 km. Mag. 4.8 (CGS).						
	TOC	eP	20	19	30		
		e		19	33		
		e		19	54		
	SHL	iP	20	19	37	DSE	
	CHA	iP	20	20	38.5	C	6.4
		eS		21	53		
		i		22	59.4		
	BOK	e	20	20	51		
	DDI	eP	20	22	32		
		e		25	16		
	NDI	eP	20	22	37		14.7
		eS		25	19		
		i		25	21		
	POO	eP	20	23	28		
	KOD	iP	20	23	44.6	DNE	
23	Epc: 8.1°N, 83.3°W. Costa Rica						
	- H = 22h 25m 27.4s (USCGS)						
	Depth 75 km. Mag. 4.8 (CGS)						
	POO	eP	22	45	01		
	SHL	iP	22	45	03	CN	
	KOD	iP	22	45	24	D	
24	NDI	i	03	14	37		
24	NDI	e	03	16	34		
24	SHL	eP	06	36	58		
24	KOD	iP	07	04	57	CNW	
24	Epc: 37.4°N, 72.7°E. Tadzhik SSR						
	- H = 08h 51m 10.9s (USCGS)						
	Depth 31 km. Mag. 5.6 (CGS)						
	BHK	iPn	08	52	52.4	D	6.6
		P*		53	04.9		
		iSn		54	07.9		

DATE	STN	PHASE	H	M	S		Δ Deg
24	DDI	iP	08	53	11.7	C	8.0
		iS		54	43.7		
	NDI	eP	08	53	26		9.2
		i		53	30		
		eS		55	11		
		i		55	13		
	CHA	iP	08	54	52	D	15.6
		S		57	46		
		SSS		58	13		
		PcS	09	02	43		
	BOK	eP	08	55	16		18.0
		i		58	16		
		iS		58	35		
		i	09	00	40		
		PcS;ScP		03	21		
		ScS		07	02		
	BOM	eP	08	55	27		18.0
		e		55	30		
		e		55	46		
		ppP		55	50		
		e		59	02		
	POO	eP	08	55	29		
		e		59	08		
	SHL	eP	08	55	41		20.5
		eS		59	28		
	CAI	iP	08	55	47	NE	20.8
		PP		56	10		
		PPP		56	22		
		iS		59	35		
		SS	09	00	13		
		SSS		00	27		
	HYD	iP	08	55	53	N	21.0
		iS		59	43		
	VIS	eP	08	56	02		22.0
		eS	09	00	01		
	MDR	eP	08	56	36		24.9
		PP		57	13		
		PPP		57	24		
		eS	09	00	57		
		LQ		01	36		
		SS		01	55		
	KOD	iP	08	56	56.5	DN	
	SEH	i	08	57	12		
		i		57	18		
		i		58	52		
		i		59	12		
		i		59	45		

24 BOK e 10 38 52

24 Epc: 24.0°S, 69.6°E. Mid-Indian Rise. - H = 11h 44m 58.1s (USCGS) Depth 33 km. Mag. 5.0 (CGS)

DATE	STN	PHASE	H	M	S		Δ Deg
24 Contd.	NDI	eP	11	54	12		
	SHL	iP	11	54	20	CNE	
24	KOD	eP	12	52	36	SW	

24 Epc: 42.4°N, 131.0°E. -H = 15h 12m 48.2s (USCGS) Depth 521 km. Mag. 4.2 (CGS)

	SHL	iP	15	19	09	DNE	
	CHA	iP	15	19	33	D	
	NDI	eP	15	19	51		
		i		20	19.6		
	KOD	iP	15	21	43	C	

24 Epc: 51.2°N, 179.0°E. Rat Islands Aleutian Islands. - H= 16h 26m 34.1s (USCGS) Depth 36 km. Mag. 4.6 (CGS)

	SHL	iP	16	37	37	CS	

24 Epc: 5.8°N, 125.3°E. - H = 17h 13m 32.3s (USCGS) Depth 78 km.

	SHL	iP	17	20	41	CSE	
24	SHL	ePg	18	11	46	N	0.1
		eSg		11	47		
24	TOC	eP	18	30	50		
24	SHL	iP	18	30	29	CNW	
	CHA	e	18	31	03		
	NDI	e	18	32	03		
24	SHL	iPg	18	39	07	CE	0.8
		iSg		39	17		

24 Epc: 6.1°S, 148.5°E. New Britain Region. -H=18h 52m 21.3s (USCGS) Depth 63 km. Mag. 5.1 (CGS)

	SHL	eP	19	02	45		
	NDI	eP	19	04	06		
25	SHL	iP	00	09	11	CNE	

25 Epc: 18.4°N, 73.0°E - H = 03h 53m 15s Mag. 5.6 (New Delhi)

	POM	iPg	03	53	31	WC	1.0
		Pn		53	34		
		iSg		53	42		
	POO	iPg	03	53	31.5	CNE	1.2
		iSg		53	44.5		

DATE	STN	PHASE	H	M	S		Δ Deg
25 Contd.	MDR	eP	03	55	18		8.5
		eS		56	49		
	KOD	e	03	55	28	DNE	
		eSg		57	14.6		
	NDI	e	03	55	56	DSW	
		i		55	57		
		eS		57	57		
		i		58	20		
		i		58	21		
		p*		58	24		
		Sg		59	03		
	SEH	iSg	03	56	05		
		i		56	17		
	BOK	eP	03	56	19		12.6
		iSg	04	00	00		
	DDI	eP	03	56	21.7		
		e		59	38		
		e	04	00	07.2		
	CHA	eP	03	56	53		
		e		59	56		
		e	04	01	32		
	SHL	iP	03	57	35	DW	
25	BHK	e	04	00	05		
25	POO	eP	04	30	04		
25	NDI	ePg	05	40	38.6		0.15
		eSg		40	40.5		
25	SHL	iP	06	26	33	DSW	
25	Epc: 0.3°S, 121.9°E - H = 06h 5 7m 48.9s (USCGS) Depth 20 km. Mag. 5.3 (CGS)						
	SHL	iP	07	05	16	C	
	CHA	iP	07	05	52	D	
	NDI	eP	07	06	55		
	BOM	e	07	14	22		
25	BOK	e	08	01	39		
25	BOK	e	08	23	28		
25	BOK	e	08	27	58		
25	SHL	iP	09	15	08	C	2.9
		eS		15	45		
25	Epc: 43.0°N, 87.0°E. - H = 10h 30m 37.8s (USCGS) Depth 34 km. Mag. 5.2 (CGS)						
	DDI	iP	10	34	04.4	C	
		i		36	47.4		
25 Contd.	BHK	e	10	34	13		
		e		36	35.8		
	NDI	eP	10	34	27	CSE	15.5
		pP		34	39		
		PPP		34	46		
		eS		37	20		
		IO		37	27		
		SS		37	43		
	CHA	iP	10	34	28	D	
	SHL	iP	10	34	48	CSE	
		e		40	48		
	BOK	e	10	35	09		
	POO	eP	10	36	20		
	KOD	iP	10	37	21	DSW	
		i		37	21.5		
		i		37	22		
	BOM	eS	10	41	13		
		e		45	10		
25	Epc: 32.9°S, 69.0°W. Mendoza Province Argentina - H = 10h 36m 14.3s (USCGS) Depth 39 km. Mag. 5.7 (CGS) Minor damage at Mandoza, Felt at San Juan						
	POO	eP	10	51	29		
25	KOD	iP	10	55	45.3	D	
	MDR	e	10	55	51		
	DDI	eP	10	56	01		
		i		56	06.8		
		i		56	15		
	NDI	iP	10	56	04	CS	
		i		56	13		
	SHL	iP	10	56	13		
25	SHL	iP	12	40	57	CS	
25	SHL	iPg	15	07	57	CS	1.0
		eSg		08	09		
25	SHL	iP	18	39	01	DSE	
	CHA	iP	18	39	56.3	C	7.4
		S		41	20.8		
	BOK	e	18	39	59		
25	NDI	iP	18	41	54.5	CE	15.0
		iS		44	41.5		
25	DDI	e	18	44	48		
25	NDI	eP	18	46	01		

DATE	STN	PHASE	H	M	S		Δ Deg
25	SHL	iP	19	17	51	DSE	
25	CHA	iP	19	18	16	D	
25	SHL	iPg	21	22	39	CE	0.2
		eSg		22	41		
25	SHL	iPg	22	58	29	CNE	1.1
		iSg		58	44		
26	SHL	iP	00	35	30	DSE	2.8
		eS		36	05		
26	BOK	e	04	29	53		
26	Epc: 36.6°N, 71.0°E -H= 04h 59m 42.8s (USCGS) Depth 119 kms. Mag. 4.4 (CGS)						
	DDI	iP	05	01	42	C	8.7
		i		03	19		
	NDI	eP	05	01	52		9.7
		eS		03	40		
	POO	eP	05	03	50		
	SHL	iP	05	04	17	DSE	
26	POO	ePg	06	56	44		0.8
		iSg		56	53.9		
26	BOK	e	08	05	32		
26	BOK	e	08	54	26		
26	NDI	eP	09	38	10		
		i		39	22		
26	POO	eP	09	43	18		
26	BOK	e	10	23	15		
26	Epc: 1.3°S, 89.5°E. -H=13h 11m 42.3s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	PBA	eP	13	14	47		
		e		17	19		
	KOD	iP	13	15	31.5	DSE	
	MDR	iP	13	15	37	CE	16.0
		PP		15	50		
		pPP		15	58		
		eS		18	35		
		SS		18	54		
		SSS		19	07		
	HYD	iP	13	16	34	S	21.7
		iS		20	31		
		SS		21	06		
	POO	eP	13	17	04		
		e		21	38		
26	BOK	eP	13	17	07		25.9
		eS		21	35		
		i		21	57		
		PcS/ScP		24	05		
	CAL	e	13	17	09		
		i		21	10		
	BOM	eP	13	17	13		26.7
		eS		21	48		
	SHL	iP	13	17	21	DS	27.0
		eS		21	59		
	CHA	iP	13	17	40.3	D	
		i		18	27.1		
	TOC	e	13	17	45		
		e		18	14		
	NDI	iP	13	18	07.5		32.0
		i		18	16		
		eS		23	20		
	DDI	iP	13	18	20	D	
	KOD	iP	13	18	23	NE	
	POO	eP	13	32	22		
26	SHL	iP	21	59	39	C	
27	SHL	ePg	00	01	07		0.7
		eSg		01	16		
27	SHL	iPg	00	33	37	DS	1.3
		eSg		33	55		
27	NDI	eP	01	01	02		
27	NDI	i	03	21	56		
27	PBA	e	04	13	10.5		
27	SHL	iP	04	43	22	D	
27	KOD	iP	06	41	03.5	DSW	
		i		41	04		
		e		41	04		
27	POO	eP	07	45	18		
27	Epc: 1.8°S, 138.7°E -H=08h 09m 47.9s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	PBA	eP	08	18	21		
	SHL	iP	08	19	02	C	
	TOC	e	08	19	15		
	BOK	e	08	19	33		
	CHA	i	08	19	39		
	MDR	e	08	19	51		
	KOD	i	08	20	09	DSE	

DATE	STN	PHASE	H	M	S		Δ Deg
27	DDI	iP	08	20	31.9	C	
	NDI	eP	08	20	33		66.0
		eS		29	20		
	POO	eP	08	20	38		
	BOM	eP	08	20	40		69.5
		PP		23	15		
		eS		29	47		
		PPS		30	26		
27	Epc: 2.0°S, 138.4°E. -H= 08h 36m 48.4s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	08	46	01	D	
	NDI	iP	09	12	10.2		
	BOK	e	09	15	04		
		e		16	52		
27	BOK	e	10	58	47		
27	SHL	eP	15	41	51		
27	SHL	iP	18	24	41	DNE	2.2
		iS		25	09		
27	NDI	i	18	52	34		
27	Epc: 26.5°N, 58.0°E. - H = 20h 47m 47.7s s (USCGS) Depth 35 km. Mag. 4.5 (CGS)						
	NDI	eP	20	51	50	CS	
27	NDI	iP	22	04	03.4	CN	
27	SHL	eP	22	50	00		
27	BHK	e	23	10	54.4		
		e		12	13		
27	Epc: 41.7°N, 82.7°E. Southern Sinkiang Province, China - H = 23h 15m 19.7s (USCGS) Depth 33 km. Mag. 5.0 (CGS)						
	DDI	eP	23	18	08		
		i		18	38.5		
		i		20	18.3		
	NDI	iP	23	18	31	CS	12.9
		PP		18	42		
		iS		20	57		
		i		21	03		
	CHA	eP	23	19	00		
	SHL	iP	23	19	32	CSE	18.3
		e S		22	54		
	BOK	e	23	19	33		
		i		23	19		
27	TOC	eP	23	19	42		18.1
		eS		23	02		
	POO	eP	23	20	41		
		e		24	06		
	BOM	eP	23	20	41		25.0
		eS		25	03		
	CAL	i	23	23	42	NW	
27	HYD	e	23	31	19		
28	POO	eP	01	22	13		
28	BOK	e	07	25	21		
28	Epc: 11.5°S, 165.8°E. -H = 07h 44m 37.3s (USCGS) Depth 30 km. Mag. 4.7 (CGS)						
	SHL	iP	07	56	52	C	
28	BOK	e	08	26	29		
28	CHA	ePg	11	41	19.9		0.5
		Sg		41	26.4		
28	Epc: 5.3°N, 96.7°E . - H =16h 14m 11.6s (USCGS) Depth 73 km. Mag. 5.1 (CGS)						
	PBA	iP	16	15	59	D	7.7
		eS		17	28		
	KOD	iP	16	18	38.5	DSE	
	SHL	iP	16	18	50	DSE	21.9
		eS		22	43		
	TOC	eP	16	19	08		
		e		19	47		
	CHA	eP	16	19	19		
	POO	eP	16	19	38		
	NDI	eP	16	20	17		
28	Epc: 2.7°S, 79.5°W. - H =17h 45 m 15.8s (USCGS) Depth 66 km. Mag. 4.3 (CGS)						
	SHL	iP	18	03	25	DE	
28	Epc: 28.5°N, 57.5°E. - H = 19h 38m 28.9 s Depth 24 km. Mag. 4.8 (CGS)						
	BOM	eP	19	42	31		17.4
		eS		45	44		
	NDI	iP	19	42	32	NEC	18.7
		eS		45	56		
	POO	eP	19	42	38		

DATE	STN	PHASE	H	M	S		Δ Deg
28	DDI	iP	19	42	41.1	C	
Contd.		i		43	02.6		
	BOK	e	19	44	05		
	CHA	eP	19	44	06		
	SHL	eP	19	44	45	E	
28	CHA	iPg	P22	24	22.9		0.9
		Sg		24	34.4		
29	CHA	iPg	00	50	54.3		2.7
		Sg		51	29.2		
29	NDI	e	01	47	06		
	POO	eP	01	50	44		
29	Epc: 51.4°N, 178.3°W -H = 03h 55m 20.8s Depth 50 km. Mag. 6.0 (CGS)						
	SHL	iP	04	06	31	CSW	70.0
		eS		15	41		
		SKS		15	58		
	CHA	iP	04	06	43	C	
	IOC	e	04	06	43		
	ODI	iP	04	06	58.4	C	
		i		07	29.4		
	BOK	iP	04	07	00	CSW	
		i		16	37		
	PBA	iP	04	07	28	CS	
	POO	iP	04	07	59	CSW	
		e		11	23		
	BOM	iP	04	08	01	SWC	85.6
		e		11	24		
		SKS		18	24		
		eS		18	33		
		e		18	53		
		e		36	48		
	MDR	e	04	08	02		
	KOD	iP	04	08	21	DS	
		e		08	22		
29	POO	eP	04	36	54		
29	Epc: 39.5°N, 74.9°E. -H=04h 56m 59.8s (USCGS) Depth 33 km						
	NDI	iP	04	59	36.5	DS	10.3
		iS	05	01	34		
	BHK	e	05	00	32		
	SHL	iP	05	01	31	C	
	POO	eP	05	01	43		
29	KOD	iP	05	03	02.5	D	
	NDI	e	05	14	08		
29	NDI	i	05	24	13		
29	POO	iPg	05	32	10	DW	1.1
		iSg		32	24.5		
	BOM	ePn	05	32	20		1.6
		Pg		32	22		
		iSn		32	42		
		Sg		32	43		
	NDI	eS	05	37	53		
29	MDR	ePg	05	35	39		0.2
		eSg		35	41		
29	Epc: 19.3°N, 146.2 °E -H= 06h 24m 59s (USCGS) Depth 114 km. Mag. 4.8 (CGS)						
	NDI	i	06	31	43		
29	BOM	ePg	07	13	42		0.2
		eSg		13	44		
	POO	eP	07	14	05		
29	BOK	e	08	15	49		
29	BOK	e	09	08	10		
29	NDI	eP	10	24	06		8.7
		iS		25	45		
29	POO	eP	10	29	40		
29	NDI	eP	11	00	31		
29	POO	eP	12	19	08		
29	Epc: 51.5°N, 178.2°W. Andreanof Islands, Aleutian Islands. -H=12h 25m 32.7s (USCGS) Depth 51 km. Mag. 5.3 (CGS) Felt at Adak.						
	SHL	iP	12	36	43	CE	
29	CHA	iP	12	36	57	C	
29	NDI	iP	12	37	18.5	D	
29	POO	i P	12	38	10.5	C	
29	Epc: 15.6°S, 173.8°W. - H = 12h 31m 09.4s (USCGS) Depth 59 km . Mag 4.6 (CGS)						
	SHL	iP	14	42	57	C	
29	NDI	e	14	34	48		
29	SHL	iP	15	22	35	DN	1.7
		eS		22	58		

DATE	STN	PHASE	H	M	S		Δ Deg
29	SHL	eP	21	30	50		
	TOC	eP	21	30	53		
29	Epc: 35.8°N, 140.8°E - H=22 h 02m 09.5s (USCGS) Depth 49 km. Mag. 4.9 (CGS)						
	TOC	e	22	09	58		
	SHL	eP	22	10	04		
	CHA	e	22	10	31		
	NDI	eP	22	11	26		
	POO	eP	22	12	19		
29	Epc: 3.1°N, 128.0°E -H= 22h 19m 11.9s (USCGS) Depth 105 k. Mag. 5.1(CGS)						
	SHL	iP	22	26	49	DE	
	NDI	iP	22	50	13.5	DN	8.6
		eS		51	52		
29	SHL	iP	23	47	49	DSE	3.0
		PP		47	59		
		PPP		48	06		
		iS		48	26		
	TOC	ePn	23	48	03		3.1
		e		48	20		
		e		48	32		
		eSn		48	41		
	CHA	iP	23	48	47.1	C	5.4
		S		49	50.0		
	BOK	iP	23	48	55	W	
	NDI	eP	23	50	46		13.6
		iS		53	19		
	POO	eP	23	51	38		
		e		54	54		
30	NDI	eP	01	18	52		
30	SHL	iPg	05	28	01	C	0.5
		eSg		28	09		
30	POO	eP	07	43	36		
30	NDI	e	07	43	43		
	MDR	eP	07	43	47		
	NDI	iP	07	43	47.6	C	
	SHL	iP	07	43	59	CN	
30	POO	iPg	07	44	16	D	1.1
		iSg		44	30.6		
30	BOM	ePn	07	44	27		1.6
		eSn		44	48		
30	POO	iPg	07	52	41.5	D	1.1
		eSg		52	56		
	BOM	e	07	53	10		
30	Epc: 31.3°N, 49.4°E. Western Iran. -H=08h 09m 17.0s (USCGS) Depth 73 km. Mag. 4.5 (CGS)						
	NDI	eP	08	14	30		
30	SHL	eP	08	14	40		2.4
		eS		15	10		
30	DDI	i	08	27	15.9		
30	BOM	e	08	37	-		
30	SHL	eP	08	42	11		2.9
		eS		42	37		
30	Epc: 8.5°S, 74.9°W -H= 08h 39m 07.8s (USCGS) Depth 137 km. Mag. 4.9 (CGS)						
	NDI	eP	08	58	35		
		i		59	12		
	POO	eP	08	59	15		
30	SHL	iPg	11	01	06	CNW	0.7
		eSg		01	15		
30	Epc: 59.9°N, 153.9°W -H= 11h 11m 45.1s (USCGS) Depth146 km. Mag. 4.3 (CGS)						
	SHL	iP	11	21	07	DE	
30	NDI	e	11	23	50		
300	PBA	iP	13	40	25.1	D	2.0
		iS		40	51.1		
	MDR	iP	13	42	47		
	SHL	eP	13	43	29	W	
	POO	eP	13	44	28		
30	MDR	e	13	44	55		
30	NDI	eP	13	49	24		
30	SHL	iP	14	07	35	DNW	
30	Epc: 1.8°S, 138.7°E -H=16h 59m 00.6s (USCGS) Depth 33 km. Mag. 5.5 (CGS)						
	TOC	eP	17	08	07		
	SHL	iP	17	08	16	CSW	
	CHA	eP	17	08	48		
	BOK	e	17	08	49		

DATE	STN	PHASE	H	M	S	Δ Deg	
30	BOM	e	17	09	30		
	NDI	iP	17	09	46.3		SEC
	POO	eP	17	09	51		
30	Epc: 8.9°N, 126.6°E. Mindanao Philippine Islands - H = 17h 31m 49.7s (USCGS) Depth 33 km. Mag. 4.9 (CGS)						
	SHL	eP	17	38	56		
	NDI	e	17	40	42		
30	NDI	i	18	41	53		
30	Epc: 3.0°N, 128.1°E - H =18h 50m 06.4s (USCGS) Depth 133 km.						
	TOC	eP	18	57	33		
30	SHL	iP	18	57	43		CSW
	NDI	iP	18	59	23.4		CW
30	NDI	e	21	29	30		
30	Epc: 6.2°S, 154.2°E. - H =23h 06m 16.1s (USCGS) Depth 72 km. Mag. 4.7(CGS)						
	SHL	iP	23	17	12		CW
	NDI	eP	23	18	28		

From page 6

***

04	SHL	eP	17	08	57		
04	Epc: 4.2°S, 152.9°E. New Britain Region. -H=18h 28m 26.2s (USCGS) Depth 54 km. Mag. 5.0(CGS)						

MICROSEISMIC TABULATION

Station : BOKARO

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
01	00	3	0.2	4.5
	06	...	-	-
	12	...	-	-
	18	3	0.3	4.6
02	00	3	0.3	4.6
	06	...	-	-
	12	3	0.4	5.4
	18	3	0.5	5.4
03	00	3	0.3	5.0
	06	3	0.3	5.2
	12	3	0.3	4.8
	18	3	0.2	5.0
04	00	3	0.3	5.0
	06	3	0.3	5.2
	12	3	0.3	4.9
	18	3	0.3	5.1
05	00	3	0.3	4.8
	06	3	0.4	5.0
	12	3	0.3	4.7
	18	3	0.4	4.6
06	00	3	0.4	4.8
	06	3	0.4	5.2
	12	3	0.3	5.0
	18	3	0.2	5.2
07	00	...	-	-
	06	3	0.3	5.0
	12	3	0.3	5.1
	18	3	0.4	4.9
08	00	3	0.4	5.0
	06	3	0.3	4.6
	12	3	0.3	4.7
	18	3	0.2	5.0
09	00	3	0.2	5.0
	06	3	0.2	4.6
	12	3	0.3	5.2
	18	3	0.3	5.0
10	00	3	0.3	5.4
	06	3	0.5	6.6
	12	3	0.3	5.4
	18	3	0.4	6.6
11	00	3	0.4	6.4
	06	...	-	-
	12	3	0.4	6.4
	18	3	0.4	5.9
12	00	3	0.5	5.2
	06	...	-	-
	12	3	0.5	6.6
	18	3	0.4	6.4
13	00	3	0.3	6.6
	06	3	0.5	6.6
	12	3	0.4	6.4
	18	3	0.3	6.0
14	00	3	0.3	5.6
	06	3	0.4	6.6
	12	3	0.3	5.6
	18	3	0.2	5.2
15	00	3	0.2	5.2
	06	3	0.3	5.6
	12	3	0.2	5.0
	18	3	0.2	5.1
16	00	3	0.2	5.0
	06	3	0.3	5.6
	12	3	0.3	6.0
	18	3	0.2	4.9
17	00	3	0.3	4.8
	06	3	0.3	4.8
	12	3	0.2	5.4
	18	3	0.2	4.6
18	00	3	0.2	4.8
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	3	0.3	4.6
19	00	3	1.1	3.8
	06	3	0.8	3.8
	12	3	1.3	4.0
	18	3	1.4	4.0
20	00	3	1.2	3.8
	06	3	0.9	3.4
	12	3	0.8	4.0
	18	3	0.7	3.4
21	00	3	0.6	3.6
	06	3	0.4	3.8
	12	3	0.3	4.4
	18	3	0.3	5.2
22	00	3	0.3	5.8
	06	3	0.3	6.0
	12	3	0.3	5.6
	18	3	0.3	6.0
23	00	3	0.2	6.6
	06	3	0.3	5.8
	12	3	0.3	6.4
	18	3	0.2	2.2
24	00	3	0.2	2.6
	06	3	0.2	2.4
	12	3	0.3	5.4
	18	3	0.3	5.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: BOKARO				
25	00	3	0.1	4.8
	06	3	0.2	4.6
	12	3	0.1	4.8
	18	3	0.2	5.0
26	00	3	0.1	4.6
	06	3	0.2	5.6
	12	3	0.1	2.6
	18	3	0.2	2.8
27	00	3	0.2	2.6
	06	3	0.1	4.0
	12	3	0.2	5.0
	18	3	0.2	2.8
28	00	3	0.1	2.6
	06	3	0.2	4.6
	12	3	0.2	5.0
	18	3	0.2	5.6
29	00	3	0.2	5.0
	06	3	0.3	5.6
	12	3	0.3	5.4
	18	3	0.2	5.4
30	00	3	0.2	5.2
	06	3	0.3	6.4
	12	3	0.2	5.0
	18	3	0.2	5.0
Station: Bombay (COLABA)				
01	00	3	0.5	2.7
			0.2	1.6
	06	3	0.4	3.0
			0.2	1.8
	12	3	0.3	2.9
			0.2	1.8
	18	3	0.4	2.8
			0.2	1.9
02	00	3	0.4	2.9
			0.2	2.0
	06	3	0.4	2.9
			0.2	2.0
	12	3	0.4	2.9
			0.2	1.9
	18	3	0.5	2.9
			0.2	1.8
03	00	3	0.4	2.9
			0.2	2.0
	06	3	0.5	3.1
			0.2	2.0
	12	3	0.5	3.0
			0.3	2.2
	18	3	0.5	3.0
			0.3	2.1
04	00	3	0.4	3.4
			0.2	1.8
	06	3	0.4	3.2
			0.2	1.8
	12	3	0.4	3.1
			0.2	2.0
	18	3	0.5	3.1
			0.2	1.9
05	00	3	0.4	3.0
			0.2	1.8
	06	3	0.4	3.0
			0.2	1.7
	12	3	0.4	3.0
			0.2	1.8
	18	3	0.4	3.0
			0.2	1.8
06	00	3	0.4	2.8
			0.2	2.0
	06	Calibration of MS(NS)		
	12	3	0.4	2.9
			0.2	1.8
	18	3	0.4	3.0
			0.3	2.0
07	00	Shock in progress		
	06	3	0.4	3.0
			0.2	1.9
	12	3	0.3	2.9
			0.2	2.0
	18	3	0.4	2.9
			0.2	1.8
08	00	3	0.4	2.8
			0.3	1.9
	06	3	0.4	2.9
			0.2	1.9
	12	3	0.4	2.9
			0.2	1.8
	18	3	0.4	2.9
			0.2	1.9
09	00	3	0.4	2.9
			0.2	2.0
	06	3	0.4	4.1
			0.4	3.0
			0.2	1.9
	12	3	0.4	3.9
			0.4	3.0
			0.2	1.8
	18	3	0.4	4.2
			0.4	3.0
			0.2	1.9
	21	1	0.5	1.8
10	00	1	0.5	1.9
	03	1	0.3	1.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: Bombay (COLABA)				
10	06	3	0.3	1.7
	12	3	0.4	6.1
			0.2	1.5
	18	Surface waves		
11	00	2	0.4	6.1
	06	Surface waves		
	12	3	0.5	6.1
			0.2	2.0
	18	3	0.4	6.0
			0.2	1.8
12	00	3	0.5	6.1
			0.2	1.8
	06	Shock in progress		
	12	3	0.5	6.2
			0.3	2.0
	18	3	0.5	6.2
			0.3	1.9
13	00	3	0.5	6.3
			0.3	2.3
	06	3	0.5	6.1
			0.3	2.5
	12	3	0.5	6.1
			0.3	2.8
	18	3	0.4	5.9
			0.3	2.5
14	00	3	0.4	6.0
			0.3	2.6
	06	3	0.5	3.0
			0.2	1.8
	12	3	0.4	3.0
			0.2	1.9
	18	3	0.4	5.8
			0.3	2.4
15	00	3	0.4	5.9
			0.3	2.0
	06	3	0.4	5.9
			0.3	2.0
	12	3	0.4	5.9
			0.2	2.0
	18	3	0.4	5.9
			0.3	2.0
16	00	3	0.4	6.0
			0.2	1.8
	06	3	0.4	5.6
			0.2	1.8
	12	3	0.3	5.8
			0.2	1.8
	18	3	0.4	5.9
			0.2	1.8
17	00	3	0.4	6.0
			0.2	1.8
	06	3	0.4	5.8
			0.2	2.0
17	12	3	0.4	5.8
			0.2	1.8
	18	3	0.4	5.8
			0.3	2.5
			0.2	1.8
18	00	3	0.4	5.9
			0.3	2.4
	06	3	0.4	3.0
			0.2	1.8
	12	3	0.4	2.9
			0.2	2.0
	18	3	0.4	2.9
			0.2	2.0
19	00	3	0.4	2.9
			0.3	1.9
	06	3	0.4	3.0
			0.2	1.9
	12	3	0.4	3.9
			0.2	2.0
	18	3	0.4	3.9
			0.2	1.8
20	00	3	0.5	3.9
			0.2	1.8
	06	3	0.5	4.0
			0.2	1.9
	12	3	0.5	3.9
			0.2	2.0
	18	3	0.4	3.9
			0.2	1.9
21	00	3	0.6	3.8
			0.2	1.9
	06	3	0.4	3.7
			0.2	2.1
	12	3	0.5	4.0
			0.3	2.1
	18	3	0.3	1.9
22	00	3	0.4	4.9
			0.3	2.0
	06	3	0.4	5.9
			0.2	2.0
	12	3	0.4	5.8
			0.2	1.9
	18	3	0.3	5.8
			0.2	1.8
23	00	3	0.3	5.4
			0.2	1.9
	06	3	0.3	5.4
			0.3	2.1
	12	3	0.3	5.5
			0.2	1.8
	18	3	0.3	2.0
24	00	3	0.3	5.1
			0.2	1.7

April 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: Bombay (COLABA)				
24	06	3	0.4	4.9
			0.2	1.8
	12	3	0.4	5.0
			0.2	1.8
	18	3	0.3	5.0
			0.2	1.8
25	00	3	0.4	4.9
			0.3	2.0
	06	3	0.3	5.0
			0.2	1.8
	12	3	0.3	5.1
			0.2	1.8
	18	3	0.3	5.2
			0.2	1.7
26	00	3	0.3	5.1
			0.2	1.6
	06	3	0.3	5.8
			0.2	2.0
	12	3	0.3	5.6
			0.2	1.8
	18	3	0.3	5.6
			0.3	1.9
27	00	3	0.3	5.8
			0.2	2.0
	06	3	0.3	5.3
			0.2	2.1
	12	3	0.3	2.0
	18	3	0.3	2.0
28	00	3	0.3	2.3
			0.2	1.7
	06	3	0.4	3.0
			0.2	1.8
	12	3	0.4	2.9
			0.2	1.7
	18	3	0.4	2.9
			0.3	1.9
29	00	3	0.4	3.0
			0.2	1.8
	06	3	0.5	3.1
			0.2	2.0
	12	3	0.4	3.0
			0.2	2.0
	18	3	0.4	2.9
			0.2	1.9
30	00	3	0.5	3.0
			0.3	2.0
	06	3	0.5	3.0
			0.3	2.0
	12	3	0.5	3.3
			0.3	2.6
			0.3	2.0
	18	3	0.3	2.6
			0.3	2.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: CALCUTTA (Alipore)				
01	00	3	0.7	1.1
	06	3	0.3	2.0
	12	3	1.2	4.0
	18	3	1.1	4.0
02	00	3	0.8	3.0
	06	3	0.8	3.4
	12	3	0.7	3.4
	18	3	1.0	4.0
03	00	3	1.0	3.8
	06	3	1.0	3.8
	12	3	0.8	4.0
	18	3	0.8	3.8
04	00	3	1.0	4.0
	06	3	0.8	3.5
	12	3	0.8	3.6
	18	3	0.6	3.6
05	00	3	0.8	3.8
	06	3	0.6	4.2
	12	3	0.8	4.2
	18	3	0.8	4.0
06	00	3	0.7	3.8
	06	3	0.8	3.0
	12	3	0.6	3.6
	18	3	0.6	3.2
07	00	3	0.5	3.0
	06	3	0.4	3.2
	12	3	0.4	3.2
	18	3	0.4	3.0
08	00	3	0.5	3.4
	06	3	0.6	4.0
	12	3	0.7	3.8
	18	3	0.8	4.0
09	00	3	0.8	4.0
	06	3	0.5	4.2
	12	3	0.4	4.0
	18	3	0.4	4.0
10	00	3	0.4	4.4
	06	3	0.4	4.2
	12	3	0.3	4.0
	18	3	0.4	4.2
11	00	3	0.5	3.8
	06	...	Earthquake	
	12	3	0.5	4.2
	18	3	0.4	4.0
12	00	3	0.4	4.0
	06	...	Earthquake	
	12	3	1.0	4.2
	18	3	1.1	3.4

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : CALCUTTA (Alipore)				
13	00	3	1.1	2.8
	06	3	0.9	3.6
	12	3	0.8	3.2
	18	3	1.2	3.4
14	00	3	1.0	3.0
	06	3	0.5	3.0
	12	3	1.1	4.0
	18	3	1.2	3.2
15	00	3	1.0	3.2
	06	3	1.2	3.0
	12	3	1.0	3.2
	18	3	1.1	3.8
16	00	3	1.0	3.6
	06	3	1.3	3.2
	12	3	1.4	4.0
	18	3	1.1	4.0
17	00	3	1.5	4.0
	06	3	1.4	3.6
	12	3	1.4	4.0
	18	3	1.8	3.2
18	00	3	1.9	4.2
	06	3	1.0	4.2
	12	3	0.8	3.2
	18	3	2.1	3.8
19	00 to 18	..., disturbance		
20	00	....		
	06	2	3.1	3.6
	12	3	2.0	3.0
	18	3	1.4	3.0
21	00	3	1.5	4.0
	06	3	0.8	3.2
	12	3	0.8	4.0
	18	3	0.5	3.8
22	00	3	0.4	4.0
	06	3	0.3	3.2
	12	3	0.3	4.0
	18	3	0.3	2.8
23	00	3	0.3	2.6
	06	3	0.5	5.0
	12	3	0.6	4.2
	18	3	0.8	2.0
24	00	3	0.5	2.4
	06	3	0.3	2.8
	12	3	0.3	2.2
	18	3	0.3	3.6
25	00	3	0.3	2.6
	06	3	0.3	2.2
	12	3	0.4	3.0
	18	3	0.3	2.6
26	00	3	0.4	2.6
	06	3	0.3	3.8
	12	2	1.2	2.2
	18	2	1.2	3.2
27	00	3	0.3	2.0
	06	3	0.2	2.6
	12	3	0.3	2.4
	18	3	1.0	2.4
28	00	3	0.4	2.2
	06	3	0.5	3.0
	12	3	0.4	2.8
	18	3	0.4	3.0
29	00	3	0.3	3.0
	06	....	Calibration	
	12	3	0.3	2.4
	18	3	0.5	3.0
30	00	....	Earthquake	
	06	3	0.4	3.2
	12	3	0.5	3.4
	18	3	0.5	4.0
Station: GOA		Compt. E-W		
01	00	3	0.7	3.4
	08	3	0.7	3.0
	12	3	0.8	3.2
	18	3	0.8	3.4
02	00	3	0.9	3.2
	08	3	0.7	3.8
	12	3	0.7	3.6
	18	3	0.8	3.8
03	00	3	0.6	3.0
	08	3	0.6	3.6
	12	3	0.6	4.0
	18	...	-	-
04	00	3	0.8	3.6
	08	3	0.9	3.4
	12	3	0.7	3.6
	18	3	0.8	3.4
05	00	3	0.8	3.4
	08	3	0.8	3.4
	12	3	0.9	3.8
	18	3	0.7	4.0
06	00	3	0.7	3.0
	08	3	0.7	3.0
	12	3	0.6	3.0
	18	3	0.5	3.0
07	00	3	0.8	3.8
	08	3	0.6	3.2
	12	3	0.5	3.0
	18	3	0.7	3.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: GOA	Compt. E-W			
08	00	3	0.6	3.0
	08	...	-	-
	12	...	-	-
	18	...	-	-
09	00	...	-	-
	08	3	0.4	3.0
	12	3	0.4	2.6
	18	3	0.4	2.8
10	00	3	0.4	2.8
	08	3	0.1	1.2
	12	0,0	-	-
	18	...	-	-
11	00	3	0.1	1.2
	08	...	-	-
	12	...	-	-
	18	...	-	-
12	00	...	-	-
	08	...	-	-
	12	3	0.1	1.2
	18	3	0.3	1.6
13	00	3	0.3	1.6
	08	3	0.2	1.6
	12	3	0.1	1.4
	18	3	0.1	1.6
14	00	...	-	-
	08	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
15	00	0,0	-	-
	08	3	0.7	4.0
	12	...	-	-
	18	...	-	-
16	00	...	-	-
	08	3	0.7	4.2
	12	...	-	-
	18	...	-	-
17	00	...	-	-
	08	...	-	-
	12	...	-	-
	18	3	0.9	4.8
18	00	3	0.9	4.4
	08	3	0.8	3.8
	12	3	0.4	3.2
	18	3	0.3	3.4
19	00	3	0.4	3.2
	08	3	0.7	3.6
	12	3	0.6	3.6
	18	3	0.9	3.8
20	00	3	0.6	3.4
	08	3	0.8	3.6
	12	3	0.6	3.4
	18	3	0.6	3.2
21	00	...	-	-
	08	3	0.6	3.2
	12	3	0.8	3.2
	18	3	0.7	3.6
22	00	3	0.6	3.4
	08	3	0.8	3.2
	12	3	0.7	3.0
	18	3	0.9	3.2
23	00	...	-	-
	08	...	-	-
	12	...	-	-
	18	...	-	-
24	00	...	-	-
	08	3	0.4	3.0
	12	...	-	-
	18	...	-	-
25	00	3	0.8	3.0
	08	3	0.3	2.6
	12	3	0.3	2.6
	18	3	0.4	2.8
26	00	3	0.1	2.0
	08	3	0.4	2.6
	12	3	0.3	2.4
	18	3	0.4	2.4
27	00	3	0.4	2.6
	08	3	0.3	2.4
	12	3	0.3	2.0
	18	3	0.4	2.4
28	00	3	0.4	2.6
	08	3	0.4	3.2
	12	3	0.3	2.6
	18	3	0.4	2.0
29	00	3	0.4	2.6
	08	3	0.4	2.4
	12	3	0.3	2.2
	18	3	0.4	2.4
30	00	3	0.4	2.2
	08	3	0.5	3.0
	12	3	0.4	2.8
	18	3	0.5	3.0
Station : MADRAS				
01	00	2	0.3	3.6
	03	2	0.3	3.5
	06	2	0.3	3.6
	12	2	0.3	3.5
	18	2	0.3	3.6
02	00	2	0.4	3.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
02	03	2	0.6	4.0
	06	2	0.6	4.0
	12	2	0.8	4.0
	18	2	0.8	3.8
03	00	2	0.8	3.8
	03	2	0.8	3.8
	06	2	0.6	3.8
	12	2	0.8	4.0
	18	2	0.6	3.8
04	00	2	0.6	4.0
	03	2	0.8	4.0
	06	2	1.0	3.8
		1	0.5	4.0
	12	2	0.8	4.0
		1	0.5	3.5
	18	2	1.0	4.0
05	00	2	0.6	4.0
	03	2	1.0	4.5
	06	2	1.0	4.5
	12	2	0.8	4.5
	18	2	1.0	4.0
06	00	2	0.8	4.0
	03	2	0.8	4.0
	06	2	0.8	4.0
	12	2	0.8	4.0
	18	2	0.8	4.0
07	00	2	0.6	4.0
	03	2	0.8	4.0
	06	2	0.8	4.0
	12	2	0.8	4.0
	18	2	0.6	4.0
08	00	2	0.8	4.5
	03	2	0.8	3.5
	06	2	0.8	4.5
	12	2	0.6	4.5
	18	2	0.6	4.0
09	00	2	0.6	4.0
	03	2	0.6	4.0
	06	2	0.6	4.2
	12	2	0.6	3.8
	18	2	0.5	4.0
10	00	2	0.5	4.0
	03	2	1.0	5.5
	06	2	1.0	6.5
	12	2	1.5	6.5
	18	2	1.5	6.5
11	00	2	1.5	6.5
	03	2	1.5	6.8
	06	...	Earthquake	
	12	2	1.8	6.5
	18	2	1.8	6.5
12	00	2	2.0	6.5
	03	2	1.5	6.5
	06	...	Earthquake	
	12	2	1.2	6.5
	18	2	1.2	6.5
13	00	2	1.0	6.5
	03	2	1.0	6.5
	06	2	0.8	6.5
	12	2	0.8	6.5
	18	2	0.8	6.5
14	00	2	0.8	6.0
	03	2	0.6	6.0
		2	0.5	2.8
	06	2	0.5	5.0
		2	0.5	3.0
	12	2	0.6	6.0
		2	0.5	4.5
		2	0.4	2.8
	18	2	0.5	5.5
		2	0.4	3.0
15	00	2	0.5	5.5
		2	0.4	3.0
	03	2	0.6	5.5
		2	0.5	2.5
	06	2	0.5	5.2
		2	0.5	2.5
	12	2	0.5	5.2
		2	0.5	2.5
	18	2	0.5	5.2
		2	0.5	2.5
16	00	2	0.6	5.0
		2	0.4	3.4
	03	2	0.5	3.5
		2	0.4	1.8
	06	2	0.5	4.8
		2	0.4	2.6
	12	2	0.4	4.6
		2	0.4	1.8
	18	2	0.4	4.8
		2	0.4	1.8
17	00	2	0.5	5.0
		2	0.3	1.8
	03	2	0.4	2.5
	06	3	0.3	2.0
		3	0.3	1.7
	12	2	0.6	4.8
		3	0.4	2.0
	18	2	0.5	4.5
		3	0.4	2.0
18	00	3	0.4	2.5
		3	0.3	1.7
	06	3	0.4	2.5
		3	0.3	1.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
18	12	3	0.4	2.5
		3	0.3	1.8
	18	3	0.4	2.5
		3	0.3	2.0
19	00	3	0.4	2.5
		3	0.4	1.8
	03	3	0.4	2.5
		3	0.4	1.8
	06	3	0.4	2.6
		3	0.4	1.8
	12	3	0.5	2.6
	18	2	0.6	2.9
		3	0.4	2.0
20	00	2	0.8	3.0
		3	0.4	2.0
	03	2	0.8	3.0
		3	0.6	1.8
	06	2	0.7	3.2
		3	0.4	2.0
	12	2	0.8	3.0
	18	3	1.0	3.0
		3	0.5	2.5
21	00	2	1.2	3.0
		3	0.6	2.0
	03	3	1.3	3.0
	06	3	1.8	2.8
	12	3	1.2	2.8
	18	3	0.9	2.5
22	00	2	0.8	4.5
	03	2	1.0	4.5
		3	0.5	2.5
	06	2	0.8	4.8
		3	0.5	2.0
	12	2	0.8	4.8
		3	0.5	2.0
	18	2	0.5	5.0
		3	0.5	2.8
23	00	2	0.5	5.5
	03	2	0.5	5.5
	06	2	0.5	5.0
	12	2	0.5	5.0
	18	2	0.5	5.0
		3	0.4	2.0
24	00	2	0.4	4.8
	03	2	0.5	6.0
	06	2	0.6	5.8
	12	2	0.6	5.8
	18	2	0.5	5.8
25	00	2	0.5	6.0
	03	2	0.5	6.0
		3	0.4	2.0
	06	2	0.5	6.0
	12	3	0.5	5.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
25	18	2	0.5	5.5
		3	0.3	1.8
26	00	2	0.5	5.8
		3	0.4	2.5
	03	3	0.3	3.2
	06	3	0.5	4.2
	12	3	0.4	6.0
	18	3	0.4	5.5
27	00	3	0.4	5.5
	03	3	0.5	5.5
	06	3	0.4	4.2
	12	3	0.4	5.0
	18	3	0.5	2.8
28	00	3	0.4	2.5
	03	3	0.4	2.2
	06	...	No record	
	12	3	0.5	2.4
	18	3	0.4	2.2
29	00	3	0.4	2.2
	03	3	0.5	2.4
	06	3	0.5	2.4
	12	3	0.8	6.0
		3	0.5	2.4
	18	3	0.8	5.8
		3	0.4	2.4
30	00	3	0.8	5.5
		3	0.4	2.4
	03	3	0.8	5.5
		3	0.4	2.8
	06	3	0.5	3.4
	12	3	0.4	3.0
	18	3	0.5	3.2
Station: PORT BLAIR				
01	00	3	0.4	6
	06	3	0.4	6
	12	3	0.4	6
	18	3	0.4	6
02	00	3	0.4	6
	06	...	-	-
	12	3	0.4	6
	18	...	-	-
03	00	3	0.4	6
	06	...	-	-
	12	...	-	-
	18	...	-	-
04	00	...	-	-
	06	3	0.4	6
	12	3	0.4	6
	18	3	0.8	6
05	00	3	0.8	6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
02	03	2	0.6	4.0
	06	2	0.6	4.0
	12	2	0.8	4.0
	18	2	0.8	3.8
03	00	2	0.8	3.8
	03	2	0.8	3.8
	06	2	0.6	3.8
	12	2	0.8	4.0
	18	2	0.6	3.8
04	00	2	0.6	4.0
	03	2	0.8	4.0
	06	2	1.0	3.8
		1	0.5	4.0
	12	2	0.8	4.0
		1	0.5	3.5
	18	2	1.0	4.0
05	00	2	0.6	4.0
	03	2	1.0	4.5
	06	2	1.0	4.5
	12	2	0.8	4.5
	18	2	1.0	4.0
06	00	2	0.8	4.0
	03	2	0.8	4.0
	06	2	0.8	4.0
	12	2	0.8	4.0
	18	2	0.8	4.0
07	00	2	0.6	4.0
	03	2	0.8	4.0
	06	2	0.8	4.0
	12	2	0.8	4.0
	18	2	0.6	4.0
08	00	2	0.8	4.5
	03	2	0.8	3.5
	06	2	0.8	4.5
	12	2	0.6	4.5
	18	2	0.6	4.0
09	00	2	0.6	4.0
	03	2	0.6	4.0
	06	2	0.6	4.2
	12	2	0.6	3.8
	18	2	0.5	4.0
10	00	2	0.5	4.0
	03	2	1.0	5.5
	06	2	1.0	6.5
	12	2	1.5	6.5
	18	2	1.5	6.5
11	00	2	1.5	6.5
	03	2	1.5	6.8
	06	...	Earthquake	
	12	2	1.8	6.5
	18	2	1.8	6.5
12	00	2	2.0	6.5
	03	2	1.5	6.5
	06	...	Earthquake	
	12	2	1.2	6.5
	18	2	1.2	6.5
13	00	2	1.0	6.5
	03	2	1.0	6.5
	06	2	0.8	6.5
	12	2	0.8	6.5
	18	2	0.8	6.5
14	00	2	0.8	6.0
	03	2	0.6	6.0
		2	0.5	2.8
	06	2	0.5	5.0
		2	0.5	3.0
	12	2	0.6	6.0
		2	0.5	4.5
		2	0.4	2.8
	18	2	0.5	5.5
		2	0.4	3.0
15	00	2	0.5	5.5
		2	0.4	3.0
	03	2	0.6	5.5
		2	0.5	2.5
	06	2	0.5	5.2
		2	0.5	2.5
	12	2	0.5	5.2
		2	0.5	2.5
	18	2	0.5	5.2
		2	0.5	2.5
16	00	2	0.6	5.0
		2	0.4	3.4
	03	2	0.5	3.5
		2	0.4	1.8
	06	2	0.5	4.8
		2	0.4	2.6
	12	2	0.4	4.6
		2	0.4	1.8
	18	2	0.4	4.8
		2	0.4	1.8
17	00	2	0.5	5.0
		2	0.3	1.8
	03	2	0.4	2.5
	06	3	0.3	2.0
		3	0.3	1.7
	12	2	0.6	4.8
		3	0.4	2.0
	18	2	0.5	4.5
		3	0.4	2.0
18	00	3	0.4	2.5
		3	0.3	1.7
	06	3	0.4	2.5
		3	0.3	1.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
18	12	3	0.4	2.5
		3	0.3	1.8
	18	3	0.4	2.5
		3	0.3	2.0
19	00	3	0.4	2.5
		3	0.4	1.8
	03	3	0.4	2.5
		3	0.4	1.8
	06	3	0.4	2.6
		3	0.4	1.8
	12	3	0.5	2.6
	18	2	0.6	2.9
		3	0.4	2.0
20	00	2	0.8	3.0
		3	0.4	2.0
	03	2	0.8	3.0
		3	0.6	1.8
	06	2	0.7	3.2
		3	0.4	2.0
	12	2	0.8	3.0
	18	3	1.0	3.0
		3	0.5	2.5
21	00	2	1.2	3.0
		3	0.6	2.0
	03	3	1.3	3.0
	06	3	1.8	2.8
	12	3	1.2	2.8
	18	3	0.9	2.5
22	00	2	0.8	4.5
	03	2	1.0	4.5
		3	0.5	2.5
	06	2	0.8	4.8
		3	0.5	2.0
	12	2	0.8	4.8
		3	0.5	2.0
	18	2	0.5	5.0
		3	0.5	2.8
23	00	2	0.5	5.5
	03	2	0.5	5.5
	06	2	0.5	5.0
	12	2	0.5	5.0
	18	2	0.5	5.0
		3	0.4	2.0
24	00	2	0.4	4.8
	03	2	0.5	6.0
	06	2	0.6	5.8
	12	2	0.6	5.8
	18	2	0.5	5.8
25	00	2	0.5	6.0
	03	2	0.5	6.0
		3	0.4	2.0
	06	2	0.5	6.0
	12	3	0.5	5.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
25	18	2	0.5	5.5
		3	0.3	1.8
26	00	2	0.5	5.8
		3	0.4	2.5
	03	3	0.3	3.2
	06	3	0.5	4.2
	12	3	0.4	6.0
	18	3	0.4	5.5
27	00	3	0.4	5.5
	03	3	0.5	5.5
	06	3	0.4	4.2
	12	3	0.4	5.0
	18	3	0.5	2.8
28	00	3	0.4	2.5
	03	3	0.4	2.2
	06	...	No record	
	12	3	0.5	2.4
	18	3	0.4	2.2
29	00	3	0.4	2.2
	03	3	0.5	2.4
	06	3	0.5	2.4
	12	3	0.8	6.0
		3	0.5	2.4
	18	3	0.8	5.8
		3	0.4	2.4
30	00	3	0.8	5.5
		3	0.4	2.4
	03	3	0.8	5.5
		3	0.4	2.8
	06	3	0.5	3.4
	12	3	0.4	3.0
	18	3	0.5	3.2
Station: PORT BLAIR				
01	00	3	0.4	6
	06	3	0.4	6
	12	3	0.4	6
	18	3	0.4	6
02	00	3	0.4	6
	06	...	-	-
	12	3	0.4	6
	18	...	-	-
03	00	3	0.4	6
	06	...	-	-
	12	...	-	-
	18	...	-	-
04	00	...	-	-
	06	3	0.4	6
	12	3	0.4	6
	18	3	0.8	6
05	00	3	0.8	6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: PORT BLAIR				
05	06	3	0.8	6
	12	3	0.8	6
	18	3	0.8	6
06	00	3	0.8	6
	06	3	0.8	6
	12	3	0.8	5
	18	3	0.8	5
07	00	3	0.8	5
	06	3	0.8	5
	12	3	0.8	5
	18	3	1.2	5
08	00	3	1.2	5
	06	3	1.2	5
	12	3	1.2	5
	18	3	0.8	5
09	00	3	0.8	5
	06	3	0.8	5
	12	3	0.8	5
	18	3	0.8	5
10	00	3	0.8	5
	06	...	-	-
	12	3	1.2	7
	18	...	-	-
11	00	3	1.2	6
	06	...	-	-
	12	3	1.2	7
	18	3	1.2	7
12	00	3	1.6	7
	06	...	-	-
	12	3	1.2	7
	18	3	1.2	7
13	00	3	1.6	7
	06	3	1.2	6
	12	3	1.2	6
	18	3	1.2	6
14	00	3	1.2	6
	06	3	1.2	7
	12	3	0.8	7
	18	3	0.8	7
15	00	3	0.8	7
	06	3	0.8	7
	12	3	0.8	6
	18	3	0.8	6
16	00	3	0.4	7
	06	3	0.8	6
	12	3	0.8	6
	18	3	0.8	6
17	00	3	0.8	6
	06	3	0.8	6
	12	3	0.8	6
	18	3	0.8	6
Station: PORT BLAIR				
18	00	3	0.8	7
	06	3	0.8	6
	12	3	0.8	3
			0.8	6
	18	3	0.8	3
			0.8	6
19	00	3	1.2	3
	06	3	0.8	3
			0.8	6
	12	3	0.8	3
			0.8	6
	18	3	1.6	3
20	00	3	1.6	3
			1.2	7
	06	3	1.2	3
			1.6	6
	12	3	1.2	3
			2.0	6
	18	3	4.0	6
21	00	3	1.2	3
			2.4	6
	06	3	1.2	3
			1.6	6
	12	3	1.2	3
			1.2	6
	18	3	0.8	3
			1.2	6
22	00	3	0.8	3
			1.2	7
	06	...	-	-
	12	...	-	-
	18	...	-	-
23	00	...	-	-
	06	3	0.8	7
	12	3	1.2	7
	18	3	1.2	7
24	00	3	1.2	7
	06	3	1.2	7
	12	3	1.2	7
	18	3	1.2	7
25	00	3	1.2	7
	06	3	1.2	7
	12	3	1.2	7
	18	3	1.2	7
26	00	3	1.2	7
	06	3	1.2	7
	12	3	0.8	6
	18	3	1.2	6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : TRIVANDRUM				
15	00	2	0.66	6.1
	06	2	0.40	6.0
	12	2	0.42	6.0
	18	2	0.44	6.1
16	00	2	0.40	6.2
	06	2	0.40	5.6
	12	2	0.46	6.2
	18	2	0.46	6.1
17	00	2	0.38	6.2
	06	2	0.36	6.0
	12	2	0.40	6.0
	18	2	0.36	6.0
18	00	2	0.34	6.0
	06	2	0.46	6.3
	12	0,0	very minute	
	18	0,0	-do-	
19to 21	00 to 18	0,0	very minute	
22	00	0,0		
	06	0,0		
	12	0,0		
	18	2	0.39	6.0
23	00	2	0.36	6.3
	06	2	0.40	6.3
	12	2	0.36	6.6
	18	2	0.37	5.8
24	00	2	0.38	6.3
	06	2	0.38	6.6
	12	2	0.48	6.7
	18	2	0.32	6.0
25	00	2	0.34	6.1
	06	... No measurable		
	12	2	0.31	6.2
	18	2	0.30	6.8
26	00	2	0.44	6.6
	06	2	0.44	6.4
	12	2	0.38	6.3
	18	2	0.38	6.3
27	00	2	0.36	6.4
	06	2	0.40	6.2
	12	2	0.38	6.0
	18	2	0.32	6.0
28	00	2	0.30	6.0
	06	0,0		
	12	0,0		
	18	2	0.41	6.0
29	00	2	0.44	6.5
	06	2	0.48	6.3
	12	2	0.46	6.6
	18	2	0.43	6.0
30	00	2	0.41	6.0
	06	0,0		
	12	0,0		
	18	0,0		
Station: VISAKHATAPNAM				
01	00	00	-	-
	06	2	0.5	3.9
	12	2	0.5	3.9
	18	2	0.5	4.1
02	00	00	-	-
	06	2	0.5	4.3
	12	2	0.5	4.2
	18	2	0.5	4.1
03	00	2	0.5	4.1
	06	2	0.4	4.1
	12	2	0.4	4.0
	18	2	0.4	4.0
04	00	2	0.4	4.1
	06	2	0.4	4.0
	12	2	0.4	4.1
	18	2	0.4	4.1
05	00	2	0.4	4.1
	06	2	0.5	4.4
	12	2	0.4	4.5
	18	2	0.4	4.5
06	00	2	0.4	4.4
	06	00	-	-
	12	00	-	-
	18	2	0.4	4.3
07	00	1	0.2	2.0
	06	1	0.2	2.0
	12	2	0.4	3.8
	18	2	0.4	4.1
08	00	2	0.5	4.4
	06	2	0.5	4.5
	12	2	0.4	4.5
	18	2	0.4	4.1
09	00	2	0.4	4.1
	06	2	0.6	4.5
	12	2	0.5	4.6
	18	2	0.5	4.5
10	00	2	0.4	4.1
	06	2	0.6	4.6
	12	2	0.6	4.7
	18	00	-	-

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : VISAKHAPATNAM				
11	00	00	-	-
	06	00	-	-
	12	2	0.6	4.7
	18	2	0.6	4.8
12	00	00	-	-
	06	00	Earthquake	
	12	2	0.6	4.9
	18	2	0.5	4.9
13	00	2	0.4	4.8
	06	2	0.5	4.9
	12	2	0.5	4.8
	18	2	0.5	4.9
14	00	00	-	-
	06	2	0.5	5.0
	12	2	0.5	5.0
	18	2	0.5	4.9
15	00	00	-	-
	06	2	0.4	4.5
	12	2	0.4	4.3
	18	00	-	-
16	00	00	-	-
	06	1	0.2	2.1
	12	1	0.2	2.2
	18	1	0.2	2.1
17	00	1	0.2	2.1
	06	1	0.2	2.1
	12	1	0.2	2.1
	18	1	0.2	2.1
18	00	1	0.2	2.1
	06	1	0.2	1.9
	12	1	0.2	2.3
	18	1	0.2	2.5
19	00	1	0.4	2.8
	06	1	0.4	3.2
	12	1	0.4	3.5
	18	1	0.6	3.7
20	00	00	Feeble	
	06	1	1.1	3.6
	12	1	1.1	3.5
	18	1	1.5	3.4
21	00	1	2.0	3.5
	06	1	0.7	3.1
	12	1	0.6	3.1
	18	1	0.5	3.4
22	00	1	0.2	2.8
	06	1	0.2	2.2
	12	1	0.2	2.1
	18	1	0.2	2.1
23	00	1	0.2	2.1
	06	1	0.2	2.1
	12	1	0.2	2.0
	18	1	0.2	2.2
24	00	1	0.2	2.1
	06	1	0.2	2.1
	12	1	0.2	2.1
	18	1	0.2	2.1
25	00	1	0.2	2.2
	06	1	0.2	2.2
	12	1	0.2	2.2
	18	1	0.2	2.3
26	00	1	0.2	2.3
	06	00	-	-
	12	00	-	-
	18	1	0.2	2.5
27	00	1	0.2	2.5
	06	1	0.2	2.2
	12	1	0.2	2.1
	18	1	0.2	2.1
28	00	1	0.2	2.1
	06	1	0.4	2.6
	12	1	0.4	2.8
	18	1	0.4	2.8
29	00	1	0.3	2.6
	06	00	Shock in progress	
	12	00	-	-
	18	1	0.2	2.7
30	00	00	Shock in progress	
	06	2	0.5	5.8
	12	2	0.5	6.0
	18	2	0.5	5.8

SEISMOLOGICAL BULLETIN

MAY 1967

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S.MATHUR
DIRECTOR GENERAL OF OBSERVATORIES

REGD.No.RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra	31.25	76.25										
BHK					Electromag-netic (H)	Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1	60
Calcutta	22.32	88.20	7	Milne Shaw Alluvium	Milne-Shaw	E	12		250	0.7		8
CAL			6	Omori-Ewing	Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
Chatra	26.50	87.10	161	Sand stone	Sprengnether	N	7.0	7.0	1000		1	30
CHA					Benioff	Z	0.72	0.45	-	-	1	60
					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	7.6	7.6	5000		1	30
NDI					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.75	50K (for TE=1 sec.)		1	60
						N	1.0	0.75	50K		1	60
						E	1.0	0.75	50K		1	60
					Sprengnether (LP)	Z	15	100	1500 (for TE=15 secs.)		1	30
						N	15	100	1500		1	30
						E	15	100	1500		1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lemison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(SP)	Z	1.0	0.75	50K (for TE=1 sec.)		1	60
KOD						N	1.0	0.75	50K		1	60
						E	1.0	0.75	50K		1	60
					Sprengnether (LP)	Z	15	100	1500 (for TE=15 secs.)		1	30
						N	15	100	1500		1	30
						E	15	100	1500		1	30
Madras	13.00	80.11	15		Milne-Shaw	E	12		250	0.7		8
MDR					Sprengnether	E	7.4	7.4			1	30
						Z	1.5	1.5			1	60
Poone	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K (for TE=1 sec.)		1	60
POO						N	1.0	0.75	50K		1	60
						E	1.0	0.75	50K		1	60
					Sprengnether (LP)	Z	15	100	1500 (for TE=15 secs.)		1	30
						N	15	100	1500		1	30
						E	15	100	1500		1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		890	0.7		30
						E	0.8		840	0.8		30
Sehore	23.10	77.05			Benioff	Z	1.2	1.5			1	30
SEH					Wood-Anderson	N	0.8		860	1		30
						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)	Benioff(SP)	Z	1	0.75	200K (for TE=1 sec)		1	60
SHL						N	1	0.75	200K		1	60
						E	1	0.75	200K		1	60
					Press-Ewing (LP)	Z	15	100	3000 (for TE=15 secs)		1	15
						N	15	100	3000		1	15
						E	15	100	3000		1	15
					Sprengnether	E	6.7	6.7	2500		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57		Decomposed Laterite	Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0		250	0.7		12

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	Δ Deg.
01	NDI	i	04	02	27		
01	SHL	iP	04	09	46	DNE	
01	KOD	eP	04	10	51.5	NE	
01	NDI	i	05	44	31		
		i		45	41		
		i		46	28		
	NDI	i	05	56	08		
01	EPC: 39.7°N, 21.3°E, Greece -H=07h 09m 00.5s (USCGS) Depth = 15 Kms. Mag. = 5.6 (CGS)						
01	BHK	eP	07	17	19		
		PS		23	51		
	NDI	iP	07	17	31	DNW	46.9
		PP		19	18		
		PPP		20	10		
		PcS		23	00		
		iS		24	18		
		e		28	07		
		e		29	30		
	BOM	iP	07	17	46	CSE	49.3
		PP		19	44		
		iS		24	50		
		PPS		25	09		
		ScS		27	39		
		SS		28	20		
	POO	eP	07	17	52		
		PPS		25	22		
	CHA	iP	07	18	35	C	
		e		26	20		
	BOK	iP	07	18	39	D	55.9
		iS		26	24		
		PS		26	41		
	KOD	iP	07	18	50.8	CSE	
	MDR	eP	07	18	52		57.9
		PcP		19	41		
		PPP		22	27		
		eS		26	50		
		ScS		28	48		
	SHL	iP	07	19	04	DSE	60.1
		PP		21	24		
		iS		27	15		
		PS		27	28		
	PBA	iP	07	20	01	D	68.6
		iS		29	02		
	CAL	i	07	27	02		
01	EPC: 39.9°N, 21.5°E, Greece.-H=08h 15m 48.0s (USCGS). Depth = 47 Kms. Mag. 4.4 (CGS).						
01	NDI	eP	08	24	15		
01	SHL	iPg	09	54	15	DNE	0.2
		iSg		54	17		
01	EPC: 39.9°N, 20.9°E, -H=09h 50m 08s (Moscow) Mag. = 4½						
	NDI	iP	09	58	36	C	
		PP		10	00	14	
01	EPC: 39.6°N, 21.4°E. Greece.-H=09h 50m 06.6s (USCGS) Depth = 19 Kms. Mag. = 4.9 (CGS).						
	SHL	iP	10	00	10	C	
01	SHL	iPg	12	34	29	DNE	1.15
		iSg		34	44		
	NDI	e	12	59	47		
01	EPC: 39.5°N, 21.4°E, Greece. -H=14h 38m 04.3s (USCGS) Depth = 33 Kms. Mag. = 4.5 (CGS).						
	NDI	iP	14	46	32		
01	SHL	iP	23	48	23	C	
02	NDI	i	01	31	21		
02	EPC: 40.0°N, 21.5°E, -H = 01h 27m 24s (MOSCOW)						
	NDI	eP	01	35	48		
02	EPC: 27.9°N, 139.7°E, Bonin Islands Region. -H = 02h 36m 21.7s (USCGS) Depth = 485 Kms. Mag. = 4.0 (CGS).						
	SHL	iP	02	43	36	DNE	
	NDI	eP	02	45	03		
02	NDI	eP	04	17	05	C	
02	NDI	iP	06	12	03.5		
02	BOK	e	08	09	03		
02	BOK	e	08	20	42		
02	EPC: 36.5°N, 71.0°E, Hindu Kush Region -H = 09h 01m 29.5s (USCGS). Depth = 226 Kms. Mag. = 4.9 (CGS).						
	BHK	eP	09	03	10		6.6
		i		04	25		
		eS		04	27		
	DDI	iP	09	03	27.1		8.2
		eS		04	59		
	NDI	iP	09	03	41.5	DNW	9.1
		iS		05	21		

DATE	STN	PHSE	H.	M.	S.	△ Deg.
02	POO	eP	09	05	28	
	SHL	iP	09	05	59	DNE
02	BOK	e	09	39	30	
02	DDI	ePn	17	13	25	
02	NDI	ePn	17	13	36	7.6
		iSn	15	03.5		
	CHA	iP	17	19	56	D
		e	20	20		
02	EPC: 5.6°S, 147.4°E, -H = 17h 10m 04.7s Depth = 148 Kms(USCGS) Mag. 5.4 (CGS).					
	SHL	iP	17	20	05	
	KOD	iP	17	21	11.7	DE
	NDI	eP	17	21	32	
	POO	eP	17	21	37	
	KOD	i	17	21	55	
02	EPC: 2.4°N, 126.7°E, MOLUCCA PASSAGE. -H = 17h 59m 09.0s (USCGS) Depth = 38 Kms. Mag. = 4.9 (CGS).					
	SHL	iP	18	06	47	DE
	NDI	eP	18	08	28	
	POO	eP	18	08	32	
02	CHA	e	19	00	38	
02	NDI	iP	19	37	56	
02	SHL	eP	23	59	29	
03	EPC: 29.2°N, 81.4°E, -H = 04h 42m 46s (New Delhi)					
	DDI	eP	04	43	43.5	
	NDI	ePn	04	43	49.0	3.9
		P*		43	56.0	
		iPg		44	03.0	
		iSn		44	36	
		Sg		44	55	
	SHL	iP	04	45	10	CNE
		e		46	59	
	BHK	e	04	45	15	
		e		45	17.4	
	POO	eP	04	45	58	
03	BOK	e	12	33	33	
03	PBA	iPg	16	38	51.4	C 0.6
		iSg		38	59.4	
03	EPC: 39.7°N, 21.5°E, Greece. -H = 18h 41m 47.0s (USCGS) Depth = 35 Kms. Mag. = 4.8 (CGS).					

DATE	STN	PHASE	H.	M.	S.	△ Deg.
03	CHA	iP	18	51	22	D
	SHL	iP	18	51	48	CS
03	NDI	eP	21	14	40	24.8
		i		14	45	
		eS		19	00	
04	SHL	ePg	00	26	14	1.1
		iSg		26	28	
04	Epc: 47.8°N, 154.2°E, Kurile Islands -H = 00h 29m 48.9s (USCGS) Depth = 18 Kms. Mag. = 4.7 (CGS).					
	SHL	iP	00	39	08	CSW
04	Epc: 52.6°N, 169.1°W, Fox Islands, Aleutian Islands. -H=05h 09m 05s (USCGS) Depth = 38 Kms. Mag. = 4.1 (CGS).					
	NDI	iP	05	21	15	
	KOD	iP	05	21	45.2	DS
	MDR	e	05	22	35	
		e		26	21	
	POO	e	05	22	53	
	BOM	e	05	23	36	
		e		26	55	
	CHA	iP	05	24	58	D
	SHL	i	05	25	13	
04	NDI	eP	05	36	18	
04	BOK	e	08	16	18	
		e		17	52	
04	Epc: 55.7°S, 27.9°W, South Sandwich Islands Region. -H = 08h 17m 32.1s (USCGS) Depth = 33 Kms. Mag. = 5.8 (CGS)					
	NDI	ePKP	08	36	23	
	CHA	ePKP	08	36	31	
	SHL	iPKP	08	36	35	D
	BOM	e	08	36	52	
04	BOM	e	09	10	-	
04	Epc: 18.0°S, 168.4°E, New Hebrides Islands. -H = 09h 18m 51.0s (USCGS) Depth = 74 Kms. Mag. 4.2 (CGS).					
	SHL	iP	09	31	14	CN
04	NDI	iP	10	31	47.6	C 8.7
		eS		33	27	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
04	SHL	ePg	13	18	25	0.5	
		iSg		18	32		
		PPP		18	41		
04	EPC: 39.8°N, 21.5°E, Greece						
	-H = 13h 13m 34.1s (USCGS)						
	Depth = 43 Kms						
	Maj. = 4.3 (CGS)						
	NDI	iP	13	22	03		
04	EPC: 39.8°N, 21.5°E, Greece						
	-H= 13h 31m 08.5s (USCGS)						
	Depth = 40 Kms.						
	Mag. = 4.7 (CGS).						
	NDI	iP	13	39	39		
04	Epc: 6.0°S, 146.7°E, East New Guinea Region.						
	-H = 13h 32m 42.3s (USCGS)						
	Mag. = 5.1 (CGS).						
	Depth = 39 Kms						
	SHL	iP	13	42	59	D	
	POO	eP	13	44	29		
04	KOD	iP	14	43	58.5	D	
04	EPC: 5.3°N, 125.5°E, Midanao Philippine Islands.						
	-H= 14h 58m 25.5s (USCGS)						
	Depth = 83 Kms.						
	SHL	iP	15	05	39		
04	NDI	i	16	02	16		
04	EPC: 6.0°S, 146.7°E, East New Guinea Region.						
	-H = 16h 22m 00.9s (USCGS)						
	Depth = 49 Kms.						
	Mag. = 5.2 (CGS).						
	SHL	iP	16	32	17	CW	
	CHA	eP	16	32	46		
	KOD	iP	16	33	15.8	CW	
	NDI	iP	16	33	39		
	POO	eP	16	33	44		
	KOD	iP	17	00	13	D	
04	CHA	iPg	17	03	18.1		0.1
		Sg		03	19.7		
04	SHL	iP	17	19	44	DSW	
04	CHA	iPg	18	05	45.9		1.4
		Sg		06	04.2		
	SHL	iP	18	06	34	CSE	4.6
		iS		07	29		
04	NDI	iP	18	51	56	D	
04	SHL	iP	20	28	32	DSE	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
04	CHA	iP	20	29	32	D	
		i		30	53		
04	Epc: 36.3°N, 138.3°E,						
	-H =23h 25m 33.2s (USCGS)						
	Depth = 8 Kms						
	Mag. = 4.9 (CGS).						
	SHL	iP	23	33	16		
04	SHL	e	23	36	07		
04	NDI	e	23	38	41		
05	EPC: 29.2°N, 103.5°E, Szechwan Province China.						
	-H = 00h 08m 07.2s (USCGS)						
	Depth = 33 Kms.						
	Mag. = 5.2 (CGS).						
	SHL	eP	00	10	45		
	CHA	iP	00	11	40		
	NDI	eP	00	13	13		
	KOD	iP	00	14	23	D	
05	SHL	ePg	01	14	20		1.1
		iSg		14	34		
05	EPC: 36.1°N, 68.8°E, Hind Kush Region.						
	-H=03h 11m 24.2s (USCGS)						
	Depth = 16 Kms.						
	Mag. = 4.8 (CGS).						
	NDI	iP	03	13	53.5	DNW	9.7
		iS		15	44		
	BHK	e	03	14	49.5		
		e		15	32		
	CHA	eP	03	15	40		17.3
		iS		18	52		
	POO	eP	03	15	46		
	BOK	eP	03	15	54		
	SHL	iP	03	16	24		
05	BOM	e	03	21	15		
05	NDI	i	06	31	10		
05	EPC: 39.6°N, 21.5°E, Greece.						
	-H = 06h 26m 37.9s (USCGS)						
	Depth = 55 Kms.						
	Mag. = 4.6 (CGS).						
	NDI	iP	06	35	04	D	
	CHA	iP	06	36	09	C	
	SHL	iP	06	36	37	DNW	
05	CHA	iP	07	50	59	C	
	SHL	iP	07	51	24	CN	
05	BOM	e	07	59	33		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
05	BOK	e	08	03	48			
05	BOK	e	08	18	34			
05	Epc: 49.4°S, 125.7°E, South of Australia. -H = 12h 32m 15.3s (USCGS). Depth = 33 Kms. Mag. = 4.9 (CGS).							
	SHL	eP	12	44	28			
	NDI	eP	12	45	13			
05	EPC: 5.8°S, 146.5°E, -H = 14h 02m 37.2s (USCGS) Depth = 18 Kms. Mag. = 5.0 (CGS).							
	KOD	iP	14	13	57.3	D		
	NDI	eP	14	14	19			
05	EPC: 39.6°N, 21.2°E, -H = 14h 50m 02.9s (USCGS) Depth = 33 Kms. Mag. = 4.4 (CGS).							
	NDI	eP	14	58	28			
05	EPC: 10.5°S, 161.3°E, -H = 15h 00m 07.7s (CGS) Depth = 41 Kms. Mag. = 5.4 (CGS).							
	SHL	iP	15	11	54	C		
	CHA	iP	15	12	18			
	KOD	iP	15	12	46	D		
	NDI	eP	15	13	05			
05	CHA	iPn	17	08	27.1	D	1.8	
		eSn		08	51.1			
		Sg		08	55.6			
	SHL	iP	17	08	50	CNE	2.8	
		iS		09	25			
		S*		09	30			
05	Epc: 63.7°N, 148.5°W, Alaska -H = 17h 06m 14.9s. Depth = 102 Kms. Mag. = 4.9 (CGS).							
	SHL	iP	17	18	11	DNW		
	DDI	iP	17	18	11.9	D		
	CHA	iP	17	18	16	C		
	NDI	iP	17	18	19.6	D		
	POO	eP	17	19	12			
05	Epc: 8.0°S, 107.2°E, -H = 17h 38m 05.3s (USCGS) Depth = 33 Kms. Mag. = 5.3 (CGS).							
05	MDR	iP	17	44	50		34.6	
		PP		46	06			
		eS		50	16			
	KOD	iP	17	44	57	CN		
	VIS	iP	17	44	58	C	34.9	
		i S		50	26			
		PcS-ScP		51	15			
		ScS		55	16			
	SHL	iP	17	45	09	S		
	BOK	eP	17	45	23			
	CHA	iP	17	45	46	C	40.4	
		eS		51	51			
		ScS		55	46			
	POO	iP	17	45	57.7	C		
	BOM	iP	17	46	07		44.1	
		PP		47	50			
		PcP		47	56			
		iS		52	37			
		LQ		55	59			
		SSS		56	29			
		e		57	03			
	NDI	iP	17	46	30.6	CNW	46.7	
		iS		53	17			
		SS		53	39			
	DDI	eP	17	46	38			
	NDI	Pg	19	15	22.5	CSE 0.37		
		iSg		15	27.3			
	NDI	iP	20	13	17.6			
05	Epc: 23.1°S, 69.3°E, Mid India Rise. -H=23h 10m 26.9s (USCGS) Depth = 23 Kms. Mag. = 4.9 (CGS).							
05	NDI	eP	23	19	36			
	SHL	iP	23	19	45	CNE		
	DDI	eP	23	19	50			
06	NDI	e	02	51	05			
06	Epc: 52.7°N, 168.1°W. Fox Islands Aleutian Islands. -H = 04h 48m 36.9s (USCGS). Depth = 34 Kms. Mag. = 4.5 (CGS).							
	NDI	iP	05	00	50	D		
06	KOD	eP	06	41	09	DN		
06	POO	eP	06	45	03			
06	BOK	e	09	08	53			
06	SHL	eP	09	15	32			

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
06	BOK	e	10	02	04		
06	NDI	i	11	03	21		
06	SHL	eP	13	28	00	3.3	
		iS		28	40		
06	SHL	iP	13	38	09	DS	
06	Epc: 19.[illegible]°N, 70.0°W Dominican Republic Region. -H=14h 00m 41.4s (USCGS) Depth = 39 Kms. Mag. = 5.3 (CGS).						
	NDI	ePKP	14	19	35		
	SHL	eP	17	02	10		
		i		02	34		
	CHA	iPn	17	55	44	C 1.6	
		iSn		56	05.8	H = 4.1	
	SHL	iPg	17	56	01	DNW	
		i		56	09		
	BOK	e		56	55		
	NDI	eP	17	57	40		
		eS		59	29		
06	POO	eP	18	02	22		
06	BOM	ePg	18	04	07		
		iSg		04	10		
06	Epc: 42.9°N, 139.3°E, Hokkaido, Japan Region. -H = 19h 48m 31.6s (USCGS) Depth = 33 Kms. Mag. = 4.9 (CGS).						
	NDI	eP	19	57	31		
	CHA	iPg	21	06	13.9	C 0.58	
		P*		06	17.3		
		iSg		06	21.4		
		S*		06	25.5		
06	Epc: 35.7°N, 70.6°E, -H=21h 58m 55s (Moscow) Depth = 146 Kms.						
	DDI	eP	22	00	35		
	NDI	eP	22	00	39	DN 8.5	
		eS		02	13		
	SHL	eP	22	03	19		
06	CHA	e	22	05	34		
06	POO	e	22	06	45		
06	Epc: 26.5°N, 70.5°E, H = 22h 56m 43s (New Delhi)						
	NDI	eP	22	58	19	DW 6.3	
		eS		59	32		
06 Cont	DDI	eP	22	58	30		
	POO	eP	22	59	50		
	BOK	eS	23	02	47		
	CHA	eS	23	03	05		
06	SHL	iP	23	53	03	CSE 1.4	
		iSg		53	22		
07	Epc: 21.0°S, 68.8°E, Mid Indian Rise -H = 05h 32m 22.3s (USCGS) Depth = 33 Kms.						
	NDI	eP	05	41	16		
	SHL	iP	05	41	27	D	
	DDI	eP	05	41	29		
07	Epc: 52.2°N, 171.9°W, Fox Islands Aleutian Islands. -H = 06h 41m 05.8s (USCGS) Depth = 52 Kms. Mag. = 4.5 (CGS).						
	SHL	iP	06	52	37	CW	
	CHA	iP	06	52	44	D	
	NDI	iP	06	53	08		
	DDI	eP	06	53	49.5		
	POO	eP	06	53	59		
07	Epc: 52.2°N, 171.8°W, Fox Islands Aleutian Islands. -H=07h 40m 15.9s (USCGS) Depth = 45 Kms. Mag. = 4.3 (CGS).						
	SHL	iP	07	51	48	DNE	
	NDI	eP	07	52	18		
	POO	eP	07	53	09		
07	NDI	eP	08	08	15		
07	NDI	i	09	10	39		
07	Epc: 4.1°S, 152.8°E, New Britian Region.-H=10h 16m 56.2s (USCGS) Depth = 47 Kms. Mag. 5.0 (CGS).						
	SHL	eP	10	27	42		
	KOD	iP	10	28	45.1	C	
	DDI	eP	10	28	58.6		
07	Epc: 51.8°N, 173.8°E, Near Islands, Near Aleutian Islands. -H = 11h 03m 49.5s (USCGS) Depth = 18 Kms. Mag. = 4.6 (CGS).						
	SHL	iP	11	14	34		
	POO	eP	11	16	09		

DATE	STN	PHASE	H. M. S.	∠ Deg.		DATE	STN	PHASE	H. M. S.	△ Deg.	
07	NDI	e	11 36 13			08	KOD	iPg	16 07 14.1	0.7	
07	SHL	e	13 04 20					eSg	07 23		
07	SHL	iP	16 52 19	DNE	2.0	08	Epc: 36.4°N, 70.2°E, Hindu Kush Region.-H= 18h 48m 04.8s (USCGS) Depth = 215 Kms. Mag. = 4.8 (CGS).				
		iS	52 45				BHK	Pn	18 49 49.7 C	6.8	
07	NDI	e	20 13 11					Sn	51 07.3		
07	Epc: 37.7°N, 141.4°E Near East Coast of Honshu Japan. -H = 21h 50m 14.2s (USCGS) Depth = 107 Kms. Mag. = 4.2 (CGS).							S*	51 25.8		
							DDI	eP	18 50 13	8.6	
	SHL	iP	21 58 08	DNE				iS	51 49		
07	NDI	eP	23 01 06		8.2		NDI	iP	18 50 21.3	DNW	9.2
		eS	02 40					iS	52 03		
07	NDI	eP	23 01 31.5				CHA	iP	18 51 56	D	
07	NDI	e	23 58 40				BOM	iP	18 52 01		18.4
		e	59 43					eS	55 13		
07	POO	eP	23 59 11				POO	iP	18 52 04.5	N	
08	NDI	eP	04 32 07		8.2		BOK	eP	18 52 07		19.1
		iS	33 41					eS	55 25		
08	Epc: 34.1°N, 26.4°E Crete -H=06h 23m 53.9s (USCGS) Depth = 41 Kms.						SHL	eP	18 52 12		
							CAL	eP	18 52 40		22.3
	NDI	eP	06 31 53					eS	56 25		
08	Epc: 11.1°N, 141.5°E West Caroline Islands. -H = 07h 20m 24.7s (USCGS) Depth = 44 Kms. Mag. = 4.7 (CGS).						MDR	eP	18 53 11		
							KOD	iP	18 53 29.8	DNE	
	SHL	iP	07 29 10			08	EPC: 36.2°N, 71.1°E, Afghanistan USSR Border Region. -H = 20h 36m 01.4s (USCGS). Depth = 111 Kms. Mag.= 4.4 (CGS).				
	POO	eP	07 31 07								
	BOK	e	08 15 13				DDI	eP	20 38 00.4		
08	Epc: 6.8°N, 73.4°W, Northern Colombia. -H = 08h 06m 27.1s (USCGS) Depth = 29 Kms. Mag. = 4.4 (CGS)						NDI	eP	20 38 10		8.5
								eS	39 44		
	SHL	iPKP	08 26 02				POO	eP	20 40 04		
	BOK	e	08 43 03				SHL	eP	20 40 36		
08	BOK	e	09 08 21			08	EPC: 10.4°S, 108.1°E, South of Jasra.-H=23h 23m 22.6s (USCGS) Depth = 33 Kms. Mag. = 5.0 (CGS).				
08	POO	eP	14 02 26								
08	Epc: 30.1°N, 131.6°E, Kyusho Japan.-H=14h 47m 11.1s (USCGS) Depth = 64 Kms. Mag.= 4.9 (CGS).						KOD	iP	23 30 31	CNW	
							SHL	iP	23 30 49	DSE	
	SHL	eP	14 53 55				CHA	iP	23 31 15	D	
	NDI	eP	14 55 34				POO	eP	23 31 31		
	KOD	iP	14 56 27				NDI	iP	23 32 07.1		49.6
								S	39 11		
								PS	39 25		
							DDI	iP	23 32 11.6	D	
						09	NDI	iP	02 32 33.2	D	
								eS	34 19		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
09	NDI	i	03	02	43			
09	NDI	i	06	02	15			
09	EPC: 44.2°N, 149.0°E, Kurile Islands.-H=06h 14m 57.1s (USCGS) Depth = 40 Kms. Mag. = 5.3 (CGS).							
	SHL	iP	06	23	45		DNE	
	CHA	iP	06	24	05		D	
	BOK	eP	06	24	25			
	DDI	iP	06	24	38		C	
	NDI	iP	06	24	47.2		C	55.0
		i		25	00			
		iS		32	48			
	POO	iP	06	25	45.5		D	
	BOM	e	06	33	53			
		e		57	-			
09	BOK	e	07	10	30			
09	Epc: 39.8°N, 21.5°E, Greece. -H = 08h 00m 47.9s (USCGS). Depth = 54 Kms. Mag. = 4.5 (CGS).							
	NDI	eP	08	09	10			
09	SHL	iP	09	44	22		DE	
09	NDI	i	10	22	55			
09	Epc: 44.8°N, 140.6°E, -H = 11h 00m 09.8s (USCGS) Depth = 256 Kms. Mag. 4.8 (CGS).							
	NDI	iP	11	08	56		D	
09	NDI	e	11	36	38			
		i		36	45			
09	EPC: 56.6°N, 152.6°W Kodiak Islands Region. -H = 12h 36m 36.8s (USCGS) Depth = 33 Kms. Mag. = 5.0 (CGS).							
	CHA	e	12	49	01			
	DDI	iP	12	49	03.7		C	
	NDI	iP	12	49	11.4		D	
09	Epc: 12.7°N, 143.3°E, South of Mariana Islands. -H = 15h 57m 41.5s (USCGS) Depth = 120 Kms. Mag. = 4.7 (CGS).							
	SHL	iP	16	06	25		CNW	
	CHA	iP	16	06	58		C	
	DDI	eP	16	07	54.3			
	NDI	eP	16	07	58		D	
09	KOD	iP	16	08	08		DSW	
	POO	eP	16	08	22			
09	Epc: 39.2°N, 71.4°E, -H = 16h 37m 02s (Moscow) Mag. = 4½							
	DDI	eP	16	39	32			
	NDI	eP	16	39	44			10.7
		eS		41	46			
09	SHL	eP	17	33	05			
09	Epc: 2.4°N, 127.1°E, Molluca Passage -H = 19h 24m 44.8s (USCGS) Depth = 95 Kms. Mag. = 5.2 (CGS).							
	SHL	iP	19	32	20		DE	
	KOD	iP	19	33	30.3		CW	
	NDI	eP	19	34	01			
09	Epc: 5.2°N, 127.5°E, Philippine Islands Region. -H = 21h 30m 08.3s (USCGS) Depth = 119 Kms. Mag. = 5.5 (CGS).							
	SHL	iP	21	37	31		DSE	39.9
		iS		43	24			
09	CAL	eP	21	37	49			42.0
		eS		43	56			
09	BOK	eP	21	38	07			44.8
		PPP		40	27			
		iS		44	32			
		PS		44	42			
		PPS		44	48			
		ScS		47	54			
	CHA	iP	21	38	07		D	44.8
		S		44	32			
	VIS	eP	21	38	15			45.2
		e		28	38			
		e		39	08			
		eS		44	43			
	MDR	eP	21	38	31			48.1
		PP		40	21			
		eS		45	17			
	KOD	iP	21	38	51.6		CW	
09	DDI	iP	21	39	14.1		R	52.5
*		iS		46	26.9			
	POO	iP	21	39	20.5		D	54.0
		iS		46	44			
	BOM	eP	21	39	30			55.0
		eS		47	01			
09	SHL	eP	22	29	50			
*								
09	NDI	iP	21	39	13.8		DE	53.1
		iS		46	31			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
09	CHA	iP	22	30	49.1	C		6.1
		S		32	00.4			
09	NDI	e	22	35	28			
10	NDI	e	02	09	55			
	NDI	e	02	10	43			
10	NDI	e	03	26	30			
10	NDI	eP	03	37	07			8.8
		eS		38	48			
10	SHL	iP	03	39	28	DNW		
10	KOD	iP	07	17	55.2	D		
	POO	eP	07	18	55			
	NDI	iP	07	19	28.5	C		
10	BOK	e	08	01	25			
10	BOK	e	08	10	10			
10	SHL	iP	08	28	16	CNW		1.8
		iS		28	40			
10	SHL	iPg	09	12	19	DNW		1.0
		iSg		12	32			
10	POO	eP	09	17	31			
10	NDI	i	09	30	10			
		i		31	21			
10	NDI	e	10	49	15			
10	EPC: 1.4°N, 120.5°E, -H = 13h 25m 41.3s (USCGS) Depth = 75 Kms. Mag. = 5.1 (CGS).							
	SHL	iP	13	32	42	DW		
	NDI	iP	13	34	25	C		
10	SHL	eP	17	27	27			
	CHA	eP	17	28	27			
10	Epc: 23.7°N, 121.5°E, Taiwan.-H=17h 40m 06.7s (USCGS). Depth = 44 Kms. Mag. = 5.1 (CGS).							
	SHL	iP	17	45	48	CSW		
	CHA	iP	17	46	25	C		
	DDI	iP	17	47	34.4	C		
	NDI	iP	17	47	38.5			
	KOD	iP	17	48	15	D		
	POO	eP	17	48	18			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
10	SHL	eP	18	20	53			
10	Epc: 39.2°N, 71.6°E, -H = 18h 47m 50s (Moscow) Mag. = 4½							
	DDI	eP	18	50	24.7			
	NDI	eP	18	50	38			10.7
		eS		52	40			
	CHA	eP	18	52	00			
	POO	eP	18	52	35			
	SHL	iP	18	52	47	CSE		
10	NDI	eP	21	35	12			
10	DDI	e	23	34	36.7			
11	CHA	iPg	00	57	53.7	C		0.8
		Sg		58	04			
11	SHL	iP	01	07	30	DNE		
		i		07	54			
	NDI	iP	04	22	46	DWS		2.7
		Pg		22	53.5			
		iSn		23	20			
	DDI	eP	04	23	08.8			
		i		23	22.8			
		i		24	19.8			
	BHK	e	04	23	32			
		e		24	01			
		i		24	09.8			
	BOM	iPn	04	24	01	D		7.8
		eSn		25	31			
		SS		25	46			
	POO	eP	04	24	02			8.4
		eS		25	38			
	CHA	eP	04	24	34			
		e		26	25			
		e		27	49			
	SHL	eP	04	25	28			
	BOK	e	04	26	09			
		i		27	09			
	MDR	e	04	28	01			
		e		28	45			
		e		29	23			
	KOD	i	04	28	46.6			
		i		30	29			
11	SHL	iP	06	27	37	CSW		
11	BOK	e	08	20	18			
11	NDI	eP	08	35	23			8.7
		eS		37	02			
11	BOK	e	09	38	25			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
11	KOD	ePg	11	31	30.2	DNE	0.9
		iSg		31	44.2		
11	POO	eP	11	32	01		
11	SHL	iP	14	21	30	D	
11	Epc: 39.4°N, 73.8°E, Tadzhik - Sinkiang Border Region. -H = 14h 50m 58.8s (USCGS) Depth = 21 Kms. Mag. = 5.6 (CGS).						
	BHK	eP	14	53	01		
	NDI	iP	14	53	35	DN	10.9
		PP		53	44		
		PPP		53	52		
		i		54	28		
		eS		55	38		
	SEH	iP	14	54	45	N	16.3
		PP		54	58		
		PPP		55	04		
		iS		57	44		
		SSS		58	15		
	CHA	iP	14	54	52	C	16.6
		S		57	56		
		SS		58	15		
	BOK	eP	14	55	11		17.5
		eS		58	24		
		SSS		59	00		
	BOM	iP	14	55	37	CS	20.7
		PP		55	58		
		PPP		56	07		
		iS		59	22		
		SSS	15	00	05		
	SHL	iP	14	55	38	CSE	20.9
		iS		59	25		
		LQ		59	42		
		SS	15	00	02		
	CAL	iP	14	55	39	N	21.0
		iS		59	27		
	POO	iP	14	55	40	D	21.2
		iS		59	30		
	VIS	iP	14	56	07	N	23.6
		iPP		56	39		
		iPPP		56	48		
		iPcP		59	56		
		iS	15	00	17		
		iSS		01	04		
	GOA	eP	14	56	14		24.9
		PP		56	48		
		iS	15	00	34		
		SS		01	31		
		SSS		01	48		
		PcS		03	28		
11	MDR	eP	14	56	41		27.0
		PP		57	32		
		iS	15	01	16		
		LQ		02	27		
		SS		02	41		
	KOD	iP	14	57	03.9	DNW	30.6
		iS	15	02	04		
	PBA	iP	14	57	31	D	33.7
		PP		58	36		
		iS	15	02	52		
		SS		04	42		
11	SHL	iP	15	14	45	CSW	
	CHA	iP	15	15	41		
11	Epc: 20.3°S, 68.5°W, Chile Bolivia Border Region. -H = 15h 05m 16.8s (USCGS) Depth = 67 Kms. Mag. = 6.1 (CGS).						
	POO	iPKP	15	24	46.5	D	
	KOD	iPKP	15	24	51.8	DNE	
	MDR	iPKP	15	24	56	D	
	CHA	iPKP	15	25	08	D	
	PBA	iPKP	15	25	11	D	
12	SHL	iP	01	25	51	CNE	
12	NDI	i	02	32	01		
12	NDI	i	04	02	19		
12	SHL	eP	04	07	50		
12	NDI	i	04	41	15		
	KOD	iP	04	41	36	DNW	
	POO	e	04	44	57		
12	Epc: 39.5 N, 73.8°E, Tadzhik - Sinkiang Border Region. -H = 05h 21m 04.8s (USCGS) Depth = 5 Kms. Mag. = 4.9 (CGS).						
	BHK	e	05	23	26		
		e		23	45		
		i		24	46		
	DDI	eP	05	23	28		8.5
		e		25	16		
	NDI	eP	05	23	47		10.5
		iS		25	46		
	BOK	e	05	25	11		
	SHL	eP	05	25	46		
	POO	eP	05	25	49		
12	BOK	e	08	07	50		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
12		EPC: 7.0°N, 73.1°W, Northern Colmbia. -H=09h 28m 45.9s (USCGS) Depth = 144 Kms. Mag. = 4.6 (CGS).						
	SHL	iPKP	09	48	05			
12	POO	eP	10	31	44			
12	BOK	e	12	50	30			
12	NDI	e	16	47	52			
12		Epc: 52.9°N, 167.0°W, Fox Islands, Aleutian Islands. -H=16h 58m 33.2s (USCGS) Depth = 32 Kms. Mag. = 4.9 (CGS)						
	SHL	iP	17	10	20	NE		
	CHA	iP	17	10	30	D		
	DDI	iP	17	10	39.8	C		
	NDI	iP	17	10	48.7			
12	CHA	ePg	17	14	06		1.2	
		eSg		14	21			
12		Epc: 8.0°S, 154.8°E, Dentrecasteaux IslandsRegion -H = 18h 01m 57.6s (USCGS) Depth = 33 Kms.						
	SHL	eP	18	13	05	C		
	CHA	eP	18	13	29			
12	SHL	ePg	20	35	31		0.2	
		iSg		35	33			
12	CHA	ePg	21	23	30.7		2.5	
		eSg		24	03			
12		Epc: 60.1°N, 152.6°W, Southern Alaska -H = 22h 17m 09.6s (USCGS) Depth = 93 Kms. Mag. 4.6 (CGS)						
	SHL	iP	22	29	10	DW		
	CHA	iP	22	29	15	D		
	NDI	iP	22	29	24.8	D		
12	CHA	iP	23	26	57.7	C	0.7	
		Sg		27	07.2			
13	SHL	iP	00	29	22	DE		
13	NDI	i	02	24	25			
13		Epc: 11.7°S, 166.3°E, Santa Cruz Islands. -H = 02h 59m 18.5s (USCGS). Depth = 70 Kms. Mag. = 4.7 (CGS).						
	SHL	iP	03	11	30	C		
13		Epc: 18.9°N, 145.4°E, Mariana Islands.-H=04h 05m 50.8s (USCGS) Depth = 200 Kms. Mag. 4.8 (CGS).						
13	NDI	e	04	16	46			
13	DDI	eP	04	41	59.7			
	NDI	i	04	42	06			
	DDI	eP	05	29	25.5			
	NDI	iP	05	29	27	CSE	21.9	
		eS		33	25			
	*** SHL	iP	05	31	12	CS		
	DDI	iP	05	31	21.5	C	83.8	
		iS		41	40.0			
	NDI	eP	05	31	30		84.4	
		eS		41	52			
	POO	eP	05	32	19			
13	BOM	e	06	13	-			
13	BHK	i	06	39	34.7			
	NDI	ePn	06	39	43		3.9	
		i		40	20			
		iSn		40	29.8			
13		Epc: 4.6°N, 126.8°E, Taland Islands.-H=06h 57m 58.1s (USCGS) Depth = 79 Kms. Mag. 5.2 (CGS)						
	SHL	iP	07	05	23	DSE		
	NDI	eP	07	07	06			
	POO	eP	07	07	12			
13	BOK	e	08	02	56			
13	NDI	e	09	51	41			
		i		54	12			
13	DDI	eP	10	46	20.7			
13	NDI	iP	11	45	15.5	D	7.8	
		i		46	17.5			
		eS		46	45.0			
13	DDI	eP	11	55	08			
13	SHL	iPg	12	53	45	DW	1.2	
		iSg		54	00			
	CHA	iP	12	54	14.3	C	3.4	
		eSg		55	06			
	BOK	e	12	55	15			
	POO	eP	12	57	26			
	NDI	eP	12	56	09		11.4	
		eS		58	19			
13	DDI	eP	13	36	34			
		i		38	14			
13	NDI	P*	14	36	04.3		5.3	
		Pg		36	18		Mag.=4.3	
		i		36	53			

13 *** Epc: 56.5°N, 152.6°W, Kodiak Islands -H=05h 18m 55.4s (USCGS) Depth 33 Kms Mag. 5.3 (CGS).

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
Contd.								
13	NDI	i	14	37	03			
		S*		37	13			
		Sg		37	27			
	POO	eP	14	37	20			
	CHA	eP	14	37	52			
		i		40	23			
13	SHL	eP	14	42	05			
	KOD	iP	14	43	16		DE	
13	SHL	eP	16	22	38			
13	NDI	i	16	23	58			
	DDI	eP	17	59	39.1			
	NDI	iP	18	59	48		C	8.7
		iS	19	01	28			
	BHK	eP	19	00	30			
13	CHA	iPg	19	35	32.8		C	
13	NDI	i	23	24	48			
13	NDI	i	23	43	50			
	NDI	ePn	02	33	20			6.5
		Pg		33	51.5			
		Sn		34	37			Mag. = 4.3
		e		35	12			
		Sg		35	16.5			
	DDI	eP	02	33	28			
		i		35	45			
	NDI	eP	02	34	41			
14	Epc: 37.7°N, 21.2°E, Southern Greece.-H=04h 16m 01.7s (USCGS) Depth =66 Kms.Mag.4.8(CGS).							
	NDI	iP	04	24	29.5		C	
	POO	eP	04	25	02			
	SHL	iP	04	26	04		DNW	
14	Epc: 27.5°N, 139.6°E, -H =05h 11m 36.6s (USCGS) Depth = 452 Kms. Mag. = 4.4 (CGS).							
	NDI	iP	05	20	24			
14	NDI	eP	05	42	50			
14	NDI	iPg	07	54	46.5		NR	0.38
		iSg		54	51.5			
14	DDI	eP	08	36	17.6			
14	Epc: 20.6°S, 68.9°W, Chile Bolivia Border Region. -H=08h 38m 33.1s (USCGS).Depth=109 Kms. Mag. = 5.2 (CGS)							
14	POO	iPKP	08	57	58		D	
	KOD	iPKP	08	58	03.5			
	NDI	ePKP	08	58	05			
		i		58	09			
		PKP_2		58	12			
	DDI	iPKP	08	58	09.7		C	
	SHL	iPKP	08	58	24		D	
14	KOD	i	08	58	34			
14	MDR	e	08	58	44			
14	Epc: 39.2°N, 73.9°E, Tadzhik - Sinkiang Border Region. -H=09h 00m 54.8s (USCGS) Depth = 33 Kms. Mag. = 5.0 (CGS).							
	BHK	eP	09	03	03			
		e		04	29			
	DDI	iP	09	03	12.8		R	9.6
		PP		03	20			
		PPP		03	29			
		S		05	02			
		SS		05	15			
	NDI	eP	09	03	30			10.6
		eS		05	30			
	CHA	iP	09	04	48			16.9
		eS		07	48			
	BOK	eP	09	05	06			
		i		08	44			
	BOM	iP	09	05	31		D	20.8
		PPP		06	01			
		e		09	16			
	SHL	iP	09	05	32			20.9
		iS		09	18			
	POO	iP	09	05	34.3		D	21.5
		e		09	26			
	KOD	i	09	06	59.3		CS	
14	Epc: 13.7°N, 120.7°E, Mindoro Philippine Islands Depth = 112 Kms. Mag. = 4.6 (CGS).							
	SHL	iP	10	49	00		CNW	
14	NDI	e	12	21	40			
14	Epc: 10.5°S, 161.4°E, Solomon Islands.-H=12h 24m 08.9s (USCGS) Depth = 37 Kms. Mag. = 3.4 (CGS).							
	SHL	eP	12	35	56			
14	NDI	eP	14	57	59			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
14	SHL	iPg	16	39	49	CSE 0.2
14	SHL	iSg		39	51	
14	NDI	eP	16	48	15	
14	CHA	iPg	21	41	31.1	D
14	SHL	iP	23	52	33	CNW
15	EPC: 32.9°N, 141.3°E, Southern Honshu Japan -H=00h 03m 53.3s (USCGS) Depth = 63 Kms. Mag. 4.5 (CGS).					
	SHL	iP	00	13	49	CSW
	NDI	eP	00	15	15	
	POO	eP	00	16	03	
15	Epc: 32.9°N, 141.4°E, S.Honshu -H = 00h 13m 36.8s (USCGS) Depth = 58 Kms. Mag. 4.5 (CGS)					
	SHL	eP	00	21	33	
	NDI	eP	00	22	58	
	POO	eP	00	23	47	
15	POO	ePg	02	37	21	0.8
	eSg			37	38	
15	Epc: 32.5°N, 141.4°E, South of Honshu Japan -H = 02h 27m 36.0s (USCGS) Mag. = 5.4 (CGS). Depth = 40 Kms.					
	SHL	eP	02	35	37	
	CHA	iP	02	36	06	D
	DDI	iP	02	36	52.9	C
	NDI	eP	02	36	56	56.1
		i		37	08	
		eS		44	39	
		PPS		46	48	
	POO	eP	02	37	53	62.8
		eS		46	17	
	KOD	iP	02	38	02	E
	BOM	eP	02	38	01	
15	SHL	iP	04	24	09	C 2.8
		iS		24	46	
15	BOK	e	07	29	14	
15	DDI	eP	08	17	39	
		i		20	58	
15	Epc: 34.6°N, 26.7°E, Crete -H = 08h 12m 57.1s (USCGS) Depth = 33 Kms. Mag.4.9 (CGS)					
15	NDI	iP	08	20	56.8	43.2
		i		21	10	
		eS		27	22	
		SS		30	54	
	BOM	eP	08	21	01	
		PPP		23	20	
	POO	eP	08	21	08	
	CHA	iP	08	22	05	D
	SHL	iP	08	22	36	DW
15	SHL	eP	09	44	44	
15	SHL	eP	09	50	30	
15	NDI	iPn	10	35	33.5	2.2
		iSn		36	01.5	
15	NDI	e	11	44	36	
15	SHL	iP	12	19	17	DSE
15	Epc: 28.2°N, 142.8°E, Bonin Islands Region. -H = 12h 40m 55.4s (USCGS) Depth = 23 Kms. Mag. 4.4 (CGS)					
	NDI	iP	12	50	40	
15	Epc: 28.2°N, 142.7°E, Bonin Islands Region. -H = 33 Kms Mag. = 4.4 (CGS).					
	SHL	iP	15	55	14	DE
	NDI	iP	15	56	43	
	POO	eP	15	57	26	
15	EPC: 10.3°S, 74.6°W, Peru -H = 17h 08m 57.1s (USCGS) Depth = 117 Kms. Mag. = 5.1 (CGS).					
	NDI	ePKP	17	28	28	
		iPKP		29	01	
	DDI	$ePKP_1$	17	28	29	
		PKP_2		29	04	
	POO	ePKP	17	29	05	
15	Epc: 5.3°N, 96.6°E, Northern Sumatra -H = 18h 50m 08.9s (USCGS) Depth = 51 Kms. Mag. 5.0 (CGS).					
	SHL	iP	18	54	49	CNW
		eS		58	38	
	CHA	eP	18	55	05	
	POO	eP	18	55	37	
15	BOM	e	19	05	-	
15	SHL	iPg	20	18	13	CSW 1.2
		iSg		18	29	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
16	NDI	ePn	01	03	25		6.0
		iPg		03	50		
		iSn		04	35		
		iSg		05	12		
16	SHL	iP	01	08	19	D	
16	NDI	eP	01	17	51	D	
	DDI	eP	01	17	51.1		
16	NDI	eP	01	24	31		
16	NDI	i	02	25	53		
16	SHL	iP	04	04	18	CW	
16	Epc: 32.9°N, 141.4°E, Southern Honshu Japan -H = 04h 06m 02.1s (USCGS) Depth = 60 Kms. Mag.4.3(CGS)						
	NDI	iP	04	15	24.5		
		i		16	57		
	POO	eP	04	16	13		
16	SHL	iPg	05	05	03	CE	0.6
		iSg		05	11		
16	Epc: 45.5°N, 149.8°E, Kurile Islands.-H=05h 08m 31.6s (USCGS) Depth = 52 Kms. Mag. = 4.7 (CGS)						
	SHL	iP	05	17	23	CSW	
	NDI	iP	05	18	24	C	
	POO	eP	05	19	23		
16	EPC: 5.7°S, 146.4°E, East New Guinea Region. -H=06h 18m 24.4s Depth = 53 Kms. Mag. 5.4 (CGS) .						
	SHL	iP	06	28	37	CNW	
	CHA	iP	06	29	07	D	
	KOD	eP	06	29	38.5	D	
	NDI	iP	06	29	59.5	D	
	POO	eP	06	30	06		
16	BOK	e	07	24	03		
16	BOK	e	08	09	54		
16	NDI	e	11	23	49		
16	Epc: 13.5°N, 90.6°W, -H = 12h 58m 09.5s(USCGS) Depth = 95 Kms. Mag. 4.8 (CGS)						
	NDI	iPKP	13	17	25		
	POO	iPKP	13	17	38.5	C	
	KOD	iPKP	13	18	07.8	D	
	SHL	iP	16	32	59	DSE	
16	Epc: 32.4°N, 141.3°E, South of Honshu Japan. -H=19h 29m 58.6s (USCGS) Depth = 36 Kms. Mag. 5.3(CGS)						
	SHL	iP	19	32	59	DNE	
	CHA	iP	19	33	28	D	
	NDI	iP	19	34	25	DNE	
	POO	eP	19	35	13		
16	NDI	e	19	44	28		
16	CHA	iP	20	35	35.1	C	2.1
		eS		36	02.8		
16	CHA	iPg	21	33	46.7	D	1.5
		Sg		34	06.1		
17	NDI	iPn	00	15	20.4	CSE	
17	NDI	eP	02	26	07		
17	NDI	e	02	43	37		
17	NDI	e	02	54	14		
17	NDI	e	03	10	32		
17	Epc: 38.7°N, 44.2°E, Turkey-Inan Border Region. -H =04h 28m 51.9s (USCGS) Depth = 39 Kms.Mag. = 4.6 (CGS).						
	NDI	e	04	34	53		
		e		40	16		
	CHA	iP	04	36	06		
17	BOK	e	07	44	55		
17	SHL	eP	07	56	02		
	CHA	iP	07	57	09	D	
17	Epc: 15.1°S, 168.1°E New Hebrids Islands. -H=08h 22m 20.3s (USCGS) Depth = 36 Kms. Mag. 5.1(CGS).						
	SHL	iP	08	34	51		
	CHA	iP	08	35	14	D	
17	SHL	iP	09	42	48	D	
17	POO	eP	09	45	00		
17	Epc: 24.4°N, 122.1°E, Taiwan Region -H = 09h 50m 09.4s (CGS) Depth = 50 Kms. Mag. 4.9 (CGS).						
	SHL	iP	09	55	53	CW	
	CHA	iP	09	56	31		
	NDI	eP	09	57	42		
	POO	eP	09	58	23		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
17	NDI	e	12	37	23		
		e		37	44		
17	SHL	iP	13	08	35	C	
17	NDI	i	16	52	53		
17	EPC: 19.7°N, 38.7°E, Red Sea -H = 17h 50m 39.6s (USCGS) Depth = 38 Kms. Mag. 5.3 (CGS)						
17	BOM	eP	17	57	05		
		ePP		58	17		
	POO	eP	17	57	17		
		e	18	02	42		
17	NDI	eP	17	57	40		36.9
		PP		59	14		
		iS	18	03	22		
	CHA	iP	17	58	52	D	
	SHL	iP	17	59	25	DW	
17	DDI	i	18	03	37		
		i		15	13.2		
18	NDI	eP	00	19	57		
18	DDI	eP	02	59	27		
		i		59	36.2		
18	Epc: 41.9°N, 144.6°E, Hokkaido Japan Region. -H=04h 06m 54.7s (USCGS) Depth = 44 Kms.Mag. 4.7 (CGS)						
	SHL	iP	04	15	18		
	CHA	iP	04	15	41	D	
	DDI	iP	04	16	15.4	D	
	NDI	iP	04	16	26	RNE	
	POO	iP	04	17	25	D	
18	Epc: 41.9°N, 144.6°E, Hokkaido Japan Region. -H = 04h 39m 08.4s (USCGS) Depth = 33 Kms. Mag. 4.6 (CGS)						
	NDI	e	04	48	42		
18	NDI	eP	06	49	19		
18	PBA	i	07	26	45		
18	BOK	e	08	08	12		
18	BOK	e	08	39	57		
18	Epc: 41.9°N, 144.7°E, Hokkaido Japan Region.-H=11h 22m 31.6s (USCGS) Depth = 41 Kms. Mag. 4.9 (CGS)						
	SHL	iP	11	30	55	CSW	
	CHA	iP	11	31	18	D	
		i		35	49		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
18	DDI	iP	11	31	52.4	C	
		i		36	30.4		
		i		38	39.4		
18	Epc: 41.9°N, 144.7°E, -H = 11h 22m 31.6s (USCGS) Depth = 47 Kms. Mag. = 4.9 (CGS)						
	BHK	eP	11	31	58		
	NDI	iP	11	32	03.5	CSW	
		e		38	26		
	POO	eP	11	33	00		
	KOD	iP	11	33	19.7	D	
18	Epc: 40.6°N, 70.4°E, Tadzhik SSR -H = 11h 31m 20.4s Depth = 14 Kms. Mag. = 4.9 (CGS)						
	NDI	eP	11	34	32		11.8
		eS		36	46		
	SHL	eP	11	36	30		
18	SHL	iPg	11	53	37	DNW	0.6
		iSg		53	45		
	CHA	iP	11	54	31.5	D	
		i		54	41.5		
		e		55	22.2		
18	Epc: 42.0°N, 144.7°E, Hokkaido Japan Region. -H = 14h 00m 56.1s (USCGS) Depth = 40 Kms. Mag. = 5.1 (CGS)						
	SHL	iP	14	09	20	CNW	
	CHA	iP	14	09	43	D	
	DDI	iP	14	10	17.9	C	
	NDI	iP	14	10	28.5	CW	
18	Epc: 10.0°N, 126.1°E, Mindanao Philippine Islands. -H = 23h 20m 39.0s (USCGS) Depth = 32 Kms. Mag. 5.8 (CGS)						
	SHL	iP	23	27	40	CSE	
18	POO	iPg	23	38	42.5	C	
		iSg		38	53.5		
18	Epc: 31.1°N, 130.7°E, Kyushu Japan -H=23h 39m 15.2s (USCGS) Depth = 43 Kms. Mag. 5.6 (CGS)						
	SHL	iP	23	46	02	CSW	
	CHA	iP	23	46	34	D	
	NDI	iP	23	47	37.5	RW	
	POO	eP	23	48	27		

DATE	STN	PHASE	H. M. S.	Δ Deg.		
19	SHL	iP	03 00 26	E		
19	SHL	eP	03 06 33			
19	Epc: 8.6°N, 125.9°E, -H = 03h 55m 49.9s (USCGS) Depth = 66 Kms. Mag. 5.5 (CGS)					
	SHL	iP	04 02 51	CSW		
	NDI	eP	04 04 37			
19	BOK	e	08 04 55			
19	BOK	e	08 26 12			
19	BOK	e	09 15 23			
19	Epc: 12.2°N, 144.2°E, South of Islands. ∠ Mariana -H = 11h 15m 10.2s (USCGS) Depth = 33 Kms. Mag. 5.0(CGS)					
	SHL	iP	11 24 10	CNW		
19	BOK	i	13 53 30.4			
19	EPC: 14.5°N, 40.3°E, -H=15h 52m 34.2s (USCGS) Depth = 13 Kms. Mag. 5.1 (CGS).					
	NDI	iP	15 59 47.5	R		
	CHA	iP	16 00 54	D		
	SHL	iP	16 01 27	DNE		
	Epc: 51.8°N, 177.0°W, Andreanof Islands, Aleutian Islands. -H=16h 43m 51.2s (USCGS) Depth = 52 Kms. Mag. 4.5 (CGS)					
	SHL	iP	16 55 05	DNE		
19	NDI	i	18 09 21			
19	SHL	iP	23 01 11	CE	1.7	
		iS	01 34			
	CHA	iPw	23 01 32.6	C	3.0	
		Sw	02 10.3			
		S*	02 15.9			
		Sg	02 19.4			
20	SHL	iP	01 00 19	DS		
20	Epc: 19.8°N, 146.0°E, Mariana Islands Region. -H = 02h 51m 09.4s (USCGS) Depth = 42 Kms. Mag. = 5.5 (CGS)					
	SHL	iP	03 00 03	S		
	DDI	eP	03 01 26.7			
	NDI	iP	03 01 32.1	NWC		
	POO	eP	03 02 05			
20	NDI	eP	05 55 00			
20	Epc: 16.1°S, 75.2°W Off coast of Peru.-H=06h 33m 40.8s (USCGS) Depth = 16 Kms. Mag. 4.6 (CGS).					
	NDI	ePKP	06 53 37			
20	NDI	e	08 08 08			
	POO	eP	08 08 21			
20	BOK	e	08 08 41			
20	KOD	iP	08 08 45.7	C		
20	BOK	e	08 27 11			
	BOK	e	08 27 57			
20	Epc: 39.2°N, 72.8°E, -H = 08h 47m 19.8s (USCGS) Depth = 33 Kms. Mag. 5.1 (CGS).					
	BHK	eP	08 49 30			
		e	51 02			
20	DDI	eP	08 49 44.4			
		i	51 42.3			
	NDI	eP	08 49 59		10.8	
		i	50 01			
		iS	52 01			
	CHA	i	08 51 03			
		i	51 30			
	BOK	eP	08 51 42			
	POO	eP	08 52 00			
		e	55 58			
	SHL	iP	08 52 03	C		
	KOD	iP	08 53 31	D		
20	POO	eP	10 28 51			
20	SHL	iP	12 19 41	DS		
20	Epc: 7.0°N, 72.9°W, Northern Colombia.-H = 12h 09m 30.7s (USCGS) Depth = 142 Kms. Mag. 4.0 (CGS).					
	KOD	iPKP	12 28 33.7	D		
20	NDI	i	13 10 07			
20	NDI	i	13 11 42			
20	Epc: 59.2°S, 65.7°W, Drake Passage -H = 13h 02m 09.3s (USCGS) Depth = 33 Kms. Mag. 5.5 (CGS).					
	SHL	iPKP	13 21 37	D		
	NDI	eP	15 19 30	DS		
20	NDI	iP	17 32 59.2	D		
20	SHL	iP	19 23 31	CNE		
	CHA	iP	19 24 06	C		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
20	EPC: 29.7°N, 52.2°E, Southern Iran. -H=21h 48m 54.5s (USCGS) Depth = 42 Kms. Mag. = 4.8 (CGS)						
	NDI	iP	21	53	46.0	D	
	POO	eP	21	53	53		
	SHL	iP	22	16	46	D	
21	NDI	i	01	08	17.4		
21	SHL	iPg	02	32	29	DE	0.7
		iSg		32	38		
21	NDI	i	04	08	22		
21	NDI	e	06	05	25		
21	SHL	ePg	10	40	28		1.2
		iSg		40	44		
21	NDI	e	10	40	58		
21	NDI	e	11	21	16		
21	NDI	i	11	38	52		
21	NDI	i	12	05	57		
21	Epc: 5.7°S, 146.5°E, East New Guinea Region. -H = 12h 17m 21.2s (USCGS) Depth = 53 Kms. Mag. 5.1 (CGS)						
	SHL	iP	12	27	34	CW	
	NDI	eP	12	28	55		
	POO	eP	12	29	01		
21	SHL	iPg	14	10	35	CSE	1.2
		iSg		10	51		
21	NDI	e	16	50	53		
		i		51	02		
21	Epc: 35.6°N, 69.7°E, Hindu Kush Region.-H=18h 34m 46.4s (USCGS) Depth = 138 Kms. Mag. = 4.7 (CGS)						
	BHK	e	18	36	48		
		i		38	40		
	NDI	eP	18	36	50		8.5
		eS		38	24		
	NDI	iP	18	36	58	SEC	9.0
		iS		38	38		
	POO	e	18	38	56		
	SHL	iP	18	39	29	CNE	
21	Epc: 1.0°S, 101.5°E, Southern Sumatra.-H=18h 45m 11.7s (USCGS) Depth = 173 Kms. Mag. 6.3 (CGS)						
21	PBA	eP	18	48	36		15.7
		PP		48	50		
		PPP		49	00		
		iS		51	25		
	MDR	iP	18	50	23	DW	26.0
		pP		50	56		
		PP		51	05		
		iS		54	37		
		SS		56	00		
	VIS	iP	18	50	26	DSE	26.5
		pP		51	00		
		PP		51	12		
		iS		54	43		
		iSS		55	17		
		sS		55	42		
	KOD**	iP	18	50	35	DSE	26.8
		iS		54	54		
		SS		55	50		
		sS		56	00		
		PcS-ScP		57	28		
	**	ScS	19	01	08		
		pP		51	10		
	CAL	iP	18	50	37		27.2
		pP		51	14		
		PP		51	35		
		S		54	59		
21	SHL	iP	18	50	46	CNW	27.8
		pP		51	24		
		PP		51	50		
		iS		55	12		
		sS		56	20		
		PcS-ScP		57	20		
	BOK	iP	18	50	53.7	CNW	28.9
		pP		51	30		
		PP		51	54		
		S		55	27		
		sS		56	37		
		SS		57	39		
		SSS		58	01		
	CHA	iP	18	51	13		30.6
		pP		51	57		
		PcP		54	22		
		S		55	55		
		sS		57	10		
		ScS	19	01	27		
	GOA	eP	18	51	24		32.0
		pP		52	00		
		iS		56	23		
		sS		57	36		
	POO	iP	18	51	35	D	33.5
		iS		56	40		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
21	SEH	iP	18	51	38		34.0
		pP		52	14		
		iS		56	47		
		ScS	19	01	41		
	BOM	iP	18	51	44	SED	34.9
		pP		52	20		
		PP		53	13		
		iS		56	59		
		sS		58	22		
	NDI	iP	18	52	09.5	SER	38.1
		pP		52	47		
		sP		53	09		
		PP		53	36		
		iS		57	36		
		PcS-ScP		57	44		
		sS		58	48		
		ScS	19	01	57		
		LR		02	58		
	DDI	iP	18	52	15.3		36.7
		pP		52	52		
		PPP		54	02		
		S		57	52		
	BHK	eP	18	52	28		39.1
		iS		58	16		
		ScS	19	02	14		
21	PBA	iP	18	56	49	D	19.9
		iS	19	00	28		
21	POO	eP	19	16	14		
21	SHL	iPg	20	30	47	DSW	0.9
		iSg		30	59		
21	POO	eP	20	58	55		
21	POO	eP	21	46	40		
21	SHL	iPg	23	55	29	CE	0.3
		iSg		55	33		
22	NDI	eP	02	40	42		
22	Epc: 15.0°S, 167.2°E, New Hebrides Islands. -H = 03h 19m 22.5s (USCGS) Depth = 102 Kms. Mag. = 4.7 (CGS).						
	SHL	iP	03	31	43	CN	
22	NDI	eP	04	43	45		
22	NDI	eP	10	44	21	D	
22	POO	eP	11	06	00		
22	Epc: 44.5°N, 148.9°E, -H=12h 15m 40.8s (USCGS) Depth = 36 Kms. Mag. 4.4 (CGS)						
	NDI	eP	12	25	34	D	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
22	CHA	iPg	16	00	10.2	C	1.0
		Sg		00	23.1		
22	CHA	iPg	16	21	27.9	C	1.2
		eSg		21	43.0		
22	Epc: 37.0°N, 68.0°E, Afghanistan - USSR Border Region. -H=17h 41m 20.6s (USCGS) Depth = 37 Kms. Mag. 4.8 (CGS).						
	NDI	eP	17	43	59		11.0
		eS		46	02		
22	BHK	e	17	45	34		
	CHA	eP	17	45	39		
	SHL	iP	17	46	25		
22	Epc: 37.1°N, 68.3°E, Afghanistan USSR -H=19h 19m 25.3s (USCGS) Depth = 48 Kms. Mag. 4.7 (CGS) Border region.						
	NDI	eP	19	22	03		10.9
		eS		24	05		
	BHK	e	19	23	31		
	CHA	eP	19	23	44		
	SHL	iP	19	24	28	CSE	
22	NDI	ePn	20	37	14		2.1
		eSn		37	41		
22	Epc: 24.9°N, 124.2°E, -H = 20h 51m 57.4s (USCGS) Depth = 127 Kms. Mag. 4.5 (CGS)						
	SHL	iP	20	57	50	DNE	
	NDI	iP	20	59	37	C	
	POO	eP	21	00	19		
22	SHL	iP	22	42	54	CNE	1.4
		iSg		43	13		
23	Epc: 51.0°N, 178.6°E, -H = 01h 19m 20.5s (USCGS) Depth = 33 Kms. Mag. = 4.3 (CGS)						
	SHL	iP	01	31	18	CSW	
	NDI	iP	01	32	19.5	C	
	POO	iP	01	33	18	C	
23	Epc: 44.6°N, 150.5°E, Kurile Islands Region. -H=01h 52m 39.1s (USCGS) Depth = 22 Kms. Mag. 4.9 (CGS).						
	CHA	iP	02	01	57		
	NDI	iP	02	02	38	CWS	58.9
		eS		10	41		
	POO	iP	02	03	36	C	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
23	KOD	iP	02	03	56	D	
23	NDI	eP	05	38	43		8.8
		eS		40	23		
	DDI	i	05	40	05.6		
23	BOK	e	07	36	44		
23	BOK	e	08	26	36		
23	Epc: 3.1°S, 101.5°E, Southern Sumatra.-H=08h 34m 35.8s (USCGS) Depth = 59 Kms. Mag. 5.3 (CGS)						
	SHL	eP	08	40	40		
	CHA	iP	08	41	07	C	
	POO	iP	08	41	22.3	C	
	NDI	iP	08	42	01	CNW	39.7
		eS		47	58		
	DDI	iP	08	42	07.6	C	
	BOK	e	08	44	49		
23	NDI	eP	09	47	33		
23	SHL	iP	13	51	49	D	
23	BHK	e	14	08	43		
23	NDI	e	14	19	30		
23	NDI	eP	15	51	33		8.5
		eS		53	10		
23	EPC: 31.0°N, 50.7°E, -H=16h 59m 38.4s (USCGS) Depth = 33 Kms.						
	NDI	eP	17	04	47		
23	SHL	eP	17	50	13		
23	SHL	ePg	18	43	32		0.9
		iSg		43	44		
23	Epc: 13,4°N, 90.7°W, New Coast of Guatemala. -H =19h 12m 19.6s (USCGS) Depth = 60 Kms. Mag. = 4.4 (CGS).						
	NDI	ePKP	19	31	38		
	POO	ePKP	19	31	51		
23	Epc: 56.2°S, 27.3°W, South Sandwich Islands Region. -H=19h 17m 47.5s (USCGS) Depth 130 Kms Mag.5.9 (CGS)						
	NDI	iPKP	19	36	25	C	
	SHL	iP	19	36	38	CNE	
23	BOM	e	19	43	54		
		e		52	09		
23	NDI	e	19	46	27		
23	SHL	ePg	20	10	41		0.8
		iSg		10	52		
23	NDI	eP	20	57	06		
		e		57	42		
23	Epc: 52.3°N, 160.3°E, -H = 20h 56m 52.6s (USCGS) Depth = 33 Kms. Mag. 4.5(CGS)						
	POO	eP	21	08	22		
23	NDI	eP	22	18	17		
		i		18	25		
		i		18	30		
24	SHL	iPg	05	19	19	DN	0.8
		iSg		19	29		
24	SHL	eP	07	53	06		2.6
		iS		53	38		
24	BOK	e	07	56	18		
24	BOK	e	08	27	55		
24	NDI	iP	10	21	10.8		8.9
		eS		22	53		
24	KOD	iP	10	47	09	SW	
24	KOD	iP	11	10	25.5	SE	
24	Epc: 43.3°N, 145.5°E, Hokkado Japan Region.-H=12h 37m 51.8s (USCGS) Depth = 33 Kms. Mag. 4.1 (CGS)						
	NDI	iP	12	47	28		
24	SHL	ePg	17	13	51		0.8
		iSg		14	01		
24	Epc: 12.1°S, 34.2°E, Malawi -H=17h 18m 29.2s (USCGS) Depth = 33 Kms. Mag. 4.9 (CGS).						
	NDI	eP	17	28	21		
	CHA	iP	17	29	04	D	
	SHL	iP	17	29	24	DSW	
25	SHL	iPg	00	00	52	DSW	1.0
		iSg		01	05		
25	NDI	i	00	03	57		
25	NDI	i	02	40	48.0		
25	CHA	iPg	05	08	02.6	D	2.2
		Sg		08	31.1		
25	BOK	e	06	52	07		
25	NDI	i	07	02	16		
25	BOK	e	08	05	18		
25	CHA	iPg	10	47	01.9	C	1.3
		Sg		47	18.8		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
25	SHL	iP	11	57	42		
25	SHL	iP	12	10	44		C
25	SHL	iP	12	28	31		DSW
		iS		29	02	2.5	
25	NDI	i	15	14	55		
25	SHL	iP	18	16	06		CNW
25	Epc: 3.0°S, 127.8°E, Ceram -H = 18h 40m 18.3s (USCGS) Depth = 56 Kms. Mag. = 4.9 (CGS).						
	SHL	iP	18	48	30		CNW
	CHA	iP	18	49	05		D
	NDI	eP	18	50	05		
25	Epc: 46.0°N, 143.0°E, -H=18h 52m 17.1s (USCGS) Depth = 325 Kms. Mag. 4.8 (CGS)						
	SHL	iP	19	00	06		DNE
	CHA	iP	19	00	26		C
	DDI	eP	19	00	58		
	NDI	iP	19	01	07.5		DNE
		e		08	14		
	POO	iP	19	02	08.5		D
	KOD	iP	19	02	28		C
25	SHL	iPg	23	40	25		DS
		iSg		40	39	1.1	
25	Epc: 36.6°N, 141.3°E, Near East Coast of Honshu Japan -H = 23h 48m 54.3s (USCGS) Depth = 34 Kms. Mag. 3.9 (CGS)						
	NDI	eP	23	58	22		
	POO	iP	23	59	18.5		D
26	DDI	iP	01	45	08		D
		iS		47	01.8	10.0	
26	HYD	e	01	56	55		
26	NDI	e	03	30	24		
26	NDI	e	03	35	17		
26	BOK	e	07	09	57		
26	Epc: 24.7°S, 70.7°W, Near Coast of Northern Chile. -H=07h 41m 45.3s (USCGS) Depth = 52 Kms. Mag. 4.5 (CGS)						
	BOK	ePKP	07	59	57		
26	NDI	e	09	34	15		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
26	Epc: 32.5°N, 140.8°E, -H=10h 35m 34.0s (USCGS) Depth = 63 Kms. Mag. 4.6 (CGS).						
	NDI	iP	10	44	51		
	POO	eP	10	45	40		
26	POO	eP	11	31	35		
26	SHL	iP	15	56	32		CNE
26	NDI	iP	15	57	53.3		C
26	Epc: 45.5°N, 26.3°E, Rumania -H = 17h 32m 58.8s (USCGS) Depth = 133 Kms. Mag. 4.2 (CGS).						
	NDI	iP	17	40	48.5		C
26	SHL	iP	18	52	03		DW
26	Epc: 25.7°N, 140.6°E, -H = 19h 33m 38.0s (USCGS) Depth = 362 Kms. Mag. 4.7 (CGS)						
	SHL	iP	19	41	12		DNE
	NDI	iP	19	42	42		
26	SHL	eP	20	47	31		
		iS		47	59	2.2	
26	Epc: 6.1°S, 130.3°E, Banda Sea. -H=21h 17m 23.8s (USCGS) Depth 137 Kms. Mag. 5.3 (CGS).						
	SHL	iP	21	25	57		CNW
	CHA	iP	21	26	29		C
	KOD	iP	21	26	44.7		DE
	POO	eP	21	27	23		
	NDI	iP	21	27	28		C
26	MDR	iP	21	36	32		C
27	NDI	eP	01	08	07		
		eS		09	25	6.7	
27	Epc: 39.9°N, 77.3°E, -H=01h 42m 47.1s (USCGS) Depth = 33 Kms. Mag. 5.4 (CGS).						
	DDI	eP	01	45	08		D
		eS		47	01.8	10.1	
	NDI	iP	01	45	28		NR
		iS		47	35	11.3	
	BOK	eP	01	46	54		
	SHL	iP	01	47	07		CS
	POO	eP	01	47	37		
		e		51	46		
	BOM	e	01	47	46		
		e		51	38		

DATE	STN	PHASE	H.	M.	S.	△ Deg.		∠ Deg.
27	CAL	i	01	49	11			
	MDR	e	01	52	44			
		e		56	49			
27	NDI	ePn	05	15	51	1.68		
		iSn		16	11.3			
		iSg		16	13.8			
27	SHL	eP	06	30	00			
27	NDI	ePg	07	03	19.2	0.62		
		eSg		03	27.3			
27	NDI	e	07	13	26			
27	NDI	ePg	07	13	32.5	0.7		
		eSg		13	41.6			
		i		13	45.5			
27	Epc: 36.2°N, 71.5°E, Afghanistan USSR Border Region. -H=12h 42m 54.1s (USCGS) Depth = 109 Kms. Mag. = 4.9 CGS							
	BHK	ePn	12	44	27	D	5.8	
		PSn		45	33			
	DDI	eP	12	44	49	8.5		
		eS		46	23			
	NDI	iP	12	44	59	8.8		
		iS		46	36			
	BOK	eP	12	46	55			
	POO	eP	12	46	56			
	SHL	iP	12	47	26	CNW		
27	Epc: 51.9°N, 176.1°E, -H=17h 22m 58.7s (USCGS) Depth = 34 Kms. Mag. 5.8 (CGS)							
	SHL	iP	17	33	49	CSW	67.3	
		iS		42	40			
	CHA	iP	17	34	01	CSW	68.9	
		S		43	02			
27	DDI	iP	17	34	15.5	C		
	BHK	eP	17	34	18			
	BOK	iP	17	34	20	CSW	72.1	
		PP		36	55			
		PPP		38	47			
		iS		43	38			
		PS		44	05			
		SKS		44	13			
	NDI	iP	17	34	26.5	CSW	73.2	
		PcP**		34	45			
		PP		38	59			
		eS		43	51			
		PS		44	36			
		PPS		44	46			
	**	PP		37	10			
27	PBA	iP	17	34	46			
	HYD	iP	17	35	12			81.9
		iS		45	21			
		PS		46	26			
		SS		50	28			
		SSS		54	33			
	POO	iP	17	35	21.5	C		
		i		45	38			
	BOM	iP	17	35	23	SWC	87.1	
		PcP		35	31			
		PP		38	37			
		SKS		45	47			
		S		45	58			
		ScS		46	03			
	MDR	eP	17	35	23			87.1
		eS		45	47			
		SKS		45	47			
		eS		45	58			
		ScS		46	03			
	KOD	iP	17	35	44			90.1
		PP		39	10			
		SKS		46	20			
		S		46	32			
		ScS		47	32			
27	CHA	e	18	02	16			
27	Epc: 36.1°N, 77.8°E, -H=19h 05m 48.5s (USCGS) Depth = 35 Kms. Mag. = 5.4 (CGS)							
	BHK	ePw	19	07	05.8	DN	4.9	
		PP		07	08			
		i		07	16			
		P*		07	19			
		Sn		08	03			
		SS		08	16			
		S*		08	25			
		SSS		08	29			
		Sg		08	38			
		i		08	50			
	DDI	iPn	19	07	15.7	C	5.6	
		PP		07	20			
		PPP		07	28			
		iSn		08	21.2			
	NDI	iP	19	07	36.6	SEC	6.9	
		iPP		07	41			
		PPP		07	49			
		Pg		08	06			
		i		08	32			
		Sn		08	56			
		S*		09	20			
		Sg		09	40			
	CHA	iP	19	08	41	CSE	12.1	
		S		10	57			
		SS		11	10			

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
27	SEH	eP	19	08	46		12.7
		iS		11	08		
	BOK	iP	19	09	03	CSE	13.8
		PP		09	14		
		PPP		09	26		
		iS		11	37		
		SS		11	55		
		SSS		12	03		
	SHL	iP	19	09	27	CSE	16.0
		iS		12	24		
	CAL	iP	19	09	34	S^E	
27	POO	eP	19	09	52		
	BOM	eP	19	09	58		16.9
		LQ		12	55		
		iS		13	05		
		SS		13	25		
	VIS	eP	19	10	07	C	18.0
		iS		13	25		
	HYD	iP	19	10	04	N	17.7
		iS		13	19		
	MDR	eP	19	10	54		22.7
		PP		11	22		
		iS		14	58		
	KOD	eP	19	11	18	DNE	26.2
		eS		15	48		
	PBA	eP	19	11	42		28.2
		PP		12	37		
		iS		16	27		
27	SHL	eP	23	55	23		
	CHA	iP	23	56	12	D	
	BOK	eP	23	57	17		
	NDI	e	00	00	58		
28	Epc: 52.1°N, 175.0°E, -H = 01h 31m 56.7s (USCGS) Depth = 45 Kms. Mag. 5.2(CGS).						
	SHL	iP	01	42	42	CS	
	NDI	iP	01	43	19		
	POO	iP	01	44	15.2	C	
28	NDI	ePn	03	09	15		2.6
		P*		09	22		
		Sw		09	49		
		S*		09	53		
		Sg		10	00		
	DDI	e	03	10	47		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
28	Epc: 30.3°N, 130.8°E, Kyshu, Japan -H = 04h 00m 58.0s (USCGS) Depth = 33 Kms. Mag. = 4.6 (CGS).						
	SHL	iP	04	07	46	CNW	
	NDI	iP	04	09	23		
28	BHK	i	04	12	16		
	DDI	eP	04	12	26		
	NDI	iP	04	12	44	C	
		i		12	49		
	CHA	iP	04	13	17		
	SHL	iP	04	13	38	S	
	POO	iP	04	14	21	C	
28	Epc: 16.6°N, 146.6°E, -H=07h 16m 31.2s (USCGS) Depth = 95 Kms. Mag. 4.5 (CGS).						
	NDI	eP	07	27	05		
28	Epc: 37.7°N, 73.4°E, Tadzhik SSR. -H=12h 03m 01.7s (USCGS) Depth = 33 Kms. Mag. 4.9 (CGS).						
	BHK	eP	12	04	42		6.3
		eS		05	54		
	DDI	eP	12	05	04		7.7
		eS		06	31		
2	NDI	iP	12	05	19		
		iS		06	57		
	POO	eP	12	07	32		
	SHL	eP	12	07	32		
	KOD	iP	12	08	51	D	
28	BOK	e	12	10	09		
28	BOM	e	12	12	48		
		e		14	00		
28	NDI	eP	17	22	32		8.7
		i		22	34		
		eS		24	12		
28	CHA	eP	20	06	34.2		3.7
		eS		07	19.2		
28	NDI	ePn	20	07	16		5.5
		eSn		08	21		
		i		08	27		
	SHL	iP	20	07	31	CNE	
	BOK	e	20	07	35		
28	POO	eP	20	11	17		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
28	CHA	i	20	12	33.9		
28	CHA	iP	23	22	01.4	C	3.8
		eS		22	47.5		
	NDI	eP	23	22	22		4.5
		Pg		22	44		
		i		22	50		
		Sn		23	20		
	SHL	eP	23	22	59		
	DDI	e	23	23	38		
28	POO	eP	23	26	23		
29	SHL	iP	00	07	32	DSE	
29	SHL	eP	00	20	11		
29	CHA	iPg	02	05	34.3	C	1.0
		Sg		05	46.8		
29	SHL	iP	02	36	26	DNW	1.9
		iS		36	51		
29	Epc: 11.9°N, 143.3°E, South of Mariana Islands. -H = 04h 45m 43.9s (USCGS) Depth = 33 Kms. Mag. = 5.6 (CGS).						
	SHL	iP	04	54	42	CNW	
	NDI	iP	04	56	14.5		
	KOD	iP	04	56	24	DE	
	POO	iP	04	56	37.7	C	
29	EPC: 14.9°S, 167.4°E, New Hebrids Islands. -H=04h 55m 56.2s (USCGS) Depth = 122 Kms. Mag. 4.6 (CGS).						
	SHL	iP	05	08	14	DNE	
29	Epc: 5.9°S, 146.0°E, East New Guinea Region. -H=07h 32m 59.7s (USCGS) Depth = 20 Kms. Mag. 5.1 (CGS).						
	NDI	eP	07	44	40		
29	BOK	e	07	58	27		
29	SHL	iP	08	56	35	DNW	1.4
		eSg		56	55		
	CHA	iP	08	57	25.6	C	4.7
		P*		57	34.4		
		S		58	21.4		
29	DDI	e	09	55	12.4		
		i		55	32.9		
		i		56	46.8		
	NDI	iP	09	55	34.5		
		eS		56	56.0		
29	BHK	e	09	55	42		
		e		56	23.2		
	SHL	iP	09	57	32	D	
29	POO	iP	10	21	37.3	D	
29	SHL	iP	11	27	42	D	
29	POO	eP	16	53	56		
29	POO	eP	19	32	09		
29	CHA	iP	20	01	21.4	D	2.3
		eS		01	50.9		
	SHL	eP	20	01	24		
	BOK	e	20	02	36		
29	EPC: 43.3°N, 145.7°E, -H =21h 01m 44.3s (USCGS) Depth = 88 Kms. Mag. 5.3(CGS).						
	SHL	iP	21	10	09	DNE	
	CHA	iP	21	10	31	C	
		i		17	38		
	DDI	iP	21	11	03.9	C	
	NDI	eP	21	11	50	CSW	
		eS		18	53		
	POO	eP	21	12	13		
	KOD	iP	21	12	32	CSW	
29	SHL	iP	21	16	56	CSW	
29	NDI	e	22	52	14		
30	BOK	e	07	36	06		
30	POO	eP	08	11	53		
30	PBA	e	08	44	41.9		
		e		44	45.9		
30	Epc: 50.1°N, 176.6°W, -H=09h 54m 38.3s (USCGS) Depth = 30 Kms. Mag. = 5.0 (CGS).						
	SHL	iP	10	05	59	DNE	
	POO	eP	10	07	25		
30	BOK	e	10	12	13		
30	NDI	i	10	18	30		
30	NDI	e	12	16	03		
30	SHL	iP	13	01	39	DSE	
30	SHL	iP	13	39	39		
30	Epc: 24.2°N, 108.7°W, Gulf of California.-H=14h 27m 37.4s(USCGS) Depth =33 Kms. Mag. = 4.8 (CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
30	NDI	iPKP	14	45	02.5		C
30	Epc: 13.6°N, 143.8°E, South of Mariana Islands. -H=16h 45m 07.4s (USCGS) Depth = 20 Kms. Mag. 4.5(CGS).						
	SHL	iP	16	53	45		CNE
	CHA	iP	16	54	17		
30	Epc: 31.7°N, 70.1°E, West Pakistan. -H=18h 56m 28.7s (USCGS) Depth = 36 Kms. Mag. 4.6 (CGS).						
	BHK	ePn	18	57	49	5.5	
		iSn		58	53		
		Sg		59	24		
	NDI	iPw	18	58	09		CSE 6.4
		iPP		58	17		
		PPP		58	25		
		Pg		58	37		
		eSn		59	22		
		Sg	19	00	01		
	DDI	eP	18	58	12		C 6.9
		eS		59	31		
	CHA	eP	19	00	07	15.6	
		iS		03	00		
	SHL	iP	19	01	02		D
	POO	e	19	01	57		
30	MDR	eP	19	07	18		
30	SHL	iPg	20	12	46		DE 1.2
		iSg		12	42		
30	NDI	e	22	46	30		
30	NDI	e	23	17	20		
30	Epc: 34.2°N, 28.8°E, Eastern Mediteranian Sea -H = 23h 53m 30.9s (USCGS) Depth = 33 Kms. Mag. = 4.5 (CGS)						
31	NDI	e	00	01	31		
31	NDH	e	04	58	59		
31	BOK	e	10	23	55		
31	SHL	iP	12	13	53		CNW 3.5
		iS		14	35		
31	NDI	iP	13	11	56.4		R
31	SHL	eP	13	27	01		
31	Epc: 36.7°N, 70.8°E, Hindu Kush Region.-H=16h 12m 44.1s (USCGS) Depth = 274 Kms. Mag. 4.5 (CGS).						
	BHK	iPn ePn	16	14	26		C 6.4
		i		15	37		
		Sn		15	43		
	DDI	eP	16	14	46		
		i		16	03.9		
	NDI**	iP	16	14	58		NWR
		eS		16	26		
		iSS		16	39		
	CHA**	i		14	58		
		iP	16	16	27		C
	POO	iP	16	16	40		C
	SHL	iP	16	17	10		DNW
31	Epc: 11.4°N, 125.5°E, Samar Philippine Islands.-H=16h 26m 32.5s (USCGS) Depth = 66 Kms. Mag. = 5.0 (CGS).						
	SHL	iP	16	33	19		DE
	CHA	iP	16	33	56		C
	NDI	eP	16	35	07		
		i		35	16		
	POO	eP	16	35	32		
	PBA	iPg	16	56	57.1		C 0.5
		iSg		57	04.7		
31	SHL	iPg	17	30	38		DSW 1.0
		iSg		30	51		
31	CHA	iPg	17	35	07.4		C 0.9
		Sg		35	19.6		
31	SHL	iP	20	21	48		DNW 1.3
		iS		22	06		

MICROSEISMIC TABULATIONS

MAY 1967 — 26 —

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: BOMBAY (COLABA)				
01	00	3	0.5	2.9
			0.3	2.0
	06	3	0.4	3.1
			0.2	1.8
	12	3	0.4	2.9
			0.2	1.9
	18	3	0.4	2.9
			0.2	2.0
02	00	3	0.4	3.0
			0.2	1.8
	06	3	0.4	3.0
			0.3	2.0
	12	3	0.4	3.1
			0.2	1.8
	18	3	0.4	3.0
			0.2	1.9
03	00	3	0.5	3.0
			0.2	2.0
	06	3	0.5	3.0
			0.2	1.9
	12	3	0.5	3.0
			0.2	1.9
	18	3	0.5	3.0
			0.2	2.0
04	00	3	0.5	3.0
			0.2	1.9
	06	3	0.4	3.0
			0.2	2.0
	12	3	0.4	3.0
			0.2	1.8
	18	3	0.5	3.1
			0.2	2.0
05	00	3	0.4	3.0
			0.3	2.0
	06	3	0.5	2.9
			0.2	1.9
	12	3	0.4	2.9
			0.3	1.9
	18	Shock in progress		
06	00	3	0.3	2.4
			0.2	1.8
	06	3	0.3	2.9
			0.2	2.0
	12	3	0.3	2.9
			0.2	1.9
	18	3	0.3	2.7
			0.3	1.9
07	00	3	0.3	2.7
			0.3	2.0
	06	3	0.4	2.8
			0.2	1.8
	12	3	0.4	2.8
			0.2	1.6
	18	3	0.4	2.8
			0.2	1.7
Station: BOMBAY (COLABA)				
08	00	3	0.4	3.0
			0.2	1.7
	06	3	0.4	2.8
			0.2	1.8
	12	3	0.4	2.8
			0.2	1.7
	18	3	0.4	2.8
			0.2	1.7
09	00	3	0.4	2.9
			0.2	1.8
	06	2	0.3	2.8
	12	3	0.3	2.8
			0.2	1.8
	18	3	0.4	2.8
			0.2	1.9
10	00	3	0.4	2.7
			0.3	2.0
	06	3	0.4	2.7
			0.3	1.9
	12	3	0.4	2.8
			0.2	1.8
	18	3	0.3	2.7
			0.2	1.8
11	00	3	0.4	6.0
			0.3	2.7
	06	3	0.3	2.8
	12	3	0.3	5.7
			0.3	2.8
	18	3	0.3	5.8
			0.3	2.7
12	00	3	0.3	2.8
			0.2	1.7
	06	3	0.4	5.8
			0.3	2.7
	12	3	0.3	5.6
			0.3	2.8
	18	3	0.3	5.9
			0.3	2.9
			0.2	1.6
13	00	3	0.3	5.9
			0.3	2.8
	06	3	0.3	5.9
			0.2	2.0
	12	3	0.3	2.9
			0.2	1.9
	18	3	0.4	2.9
			0.2	1.8
14	00	3	0.3	2.8
			0.2	1.8
	06	3	0.4	2.9
			0.2	2.0
	12	3	0.4	2.9
			0.2	1.8
	18	3	0.3	2.9
			0.2	1.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: BOMBAY (COLABA)				
15	00	3	0.4	2.9
			0.2	1.8
	06	3	0.4	2.9
			0.2	1.9
	12	3	0.4	3.0
			0.2	1.8
	18	3	0.4	3.2
			0.2	1.8
16	00	3	0.4	4.1
			0.3	2.1
	06	3	0.5	4.1
			0.2	1.7
	12	3	0.5	4.2
			0.2	1.9
	18	3	0.5	4.2
			0.2	1.7
17	00	3	0.5	4.1
			0.3	2.2
			0.2	1.6
	06	3	0.6	4.0
			0.3	2.0
	12	3	0.5	4.0
			0.3	1.9
	18	Shock in progress		
18	00	3	0.6	4.0
			0.3	2.1
	06	3	0.7	5.4
			0.4	2.3
	12	3	0.6	4.9
			0.3	2.2
	18	3	0.6	4.5
			0.3	2.0
19	00	3	0.5	4.2
			0.3	2.0
	06	3	0.5	4.0
			0.3	2.0
	12	3	0.5	4.1
			0.3	2.0
	18	3	0.4	3.5
			0.3	1.9
20	00	3	0.4	3.3
			0.3	1.8
	06	3	0.4	3.2
			0.3	1.8
	12	3	0.4	3.2
			0.3	1.9
	18	3	0.4	3.5
			0.3	2.0
21	00	3	0.4	3.6
			0.3	1.9
	06	3	0.4	3.1
			0.2	2.1
	12	3	0.5	3.4
			0.3	2.0
	18	3	0.5	3.2
			0.3	2.0
22	00	3	0.5	3.5
			0.2	1.9
	06	3	0.4	3.0
			0.2	1.8
	12	3	0.4	3.2
			0.2	1.8
	18	3	0.4	3.4
			0.2	1.9
23	00	3	0.4	3.3
			0.2	1.7
	06	3	0.4	3.2
			0.3	1.8
	12	3	0.4	3.2
			0.2	1.8
	18	3	0.4	3.2
			0.2	1.9
24	00	3	0.4	3.0
			0.2	1.9
	06	3	0.4	3.1
			0.2	1.9
	12	3	0.4	3.2
			0.2	1.9
	18	3	0.4	3.2
			0.2	1.8
25	00	3	0.5	3.1
			0.2	1.8
	06	3	0.4	3.3
			0.2	1.8
	12	3	0.4	3.2
			0.2	1.9
	18	3	0.4	3.2
			0.2	1.9
26	00	3	0.4	3.1
			0.2	1.8
	06	3	0.4	3.0
			0.2	1.9
	12	3	0.4	3.0
			0.2	1.9
	18	3	0.4	3.0
			0.2	1.9
27	00	3	0.4	3.0
			0.2	1.8
	06	3	0.4	2.9
			0.2	1.8
	12	3	0.4	3.0
			0.2	1.8
	18	Shock in progress		
28	00	3	0.4	2.9
			0.2	1.9
	06	3	0.5	3.1
			0.2	1.9
	12	3	0.3	3.0
			0.2	2.0
	18	3	0.5	2.9
			0.3	2.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MRAN Period in sec.
Station: BOMBAY (COLABA)				
29	00	3	0.6	2.9
			0.3	2.0
	06	3	0.4	3.0
			0.3	1.8
	12	3	0.4	3.0
			0.2	1.9
	18	3	0.4	3.0
			0.2	1.8
30	00	3	0.5	3.0
			0.2	1.9
	06	3	0.4	3.0
			0.3	1.8
	12	3	0.4	3.0
			0.2	2.0
	18	3	0.4	2.9
			0.2	1.9
31	00	3	0.4	2.9
			0.2	1.8
	06	3	0.4	3.0
			0.2	1.9
	12	3	0.4	3.0
			0.2	1.8
	18	3	0.4	2.9
			0.2	1.9
Station: BOKARO				
	01	3	0.3	4.6
	06	3	0.2	5.2
	12	3	0.2	4.9
	18	3	0.1	3.9
02	00	3	0.2	3.3
	06	3	0.2	3.8
	12	3	0.3	3.6
	18	3	0.3	3.3
03	00	3	0.2	3.5
	06	3	0.2	2.9
	12	3	0.2	3.7
	18	3	0.1	3.4
04	00	3	0.1	3.3
	06	3	0.1	3.5
	12	3	0.1	2.9
	18	3	0.2	3.4
05	00	3	0.2	3.4
	06	3	0.2	3.5
	12	3	0.1	3.7
	18	...	-	-
06	00	3	0.2	3.6
	06	3	0.1	3.4
	12	3	0.2	3.7
	18	3	0.2	3.6
07	00	3	0.1	3.6
	06	3	0.2	3.3
	12	3	0.2	4.6
	18	3	0.1	4.1
08	00	3	0.1	3.9
	06	3	0.2	4.5
	12	3	0.1	4.2
	18	3	0.1	4.3
09	00	3	0.1	4.5
	06	3	0.1	3.9
	12	3	0.2	4.3
	18	3	0.1	3.9
10	00	3	0.2	3.8
	06	3	0.1	3.7
	12	3	0.2	4.1
	18	3	0.1	4.1
11	00	3	0.2	4.0
	06	3	0.2	3.9
	12	3	0.2	4.3
	18	3	0.2	4.5
12	00	3	0.2	4.6
	06	3	0.3	4.6
	12	3	0.3	4.6
	18	3	0.3	4.9
13	00	3	0.2	4.7
	06	3	0.3	4.8
	12	3	0.3	5.2
	18	3	0.2	4.2
14	00	3	0.2	4.9
	06	3	0.3	3.7
	12	3	0.2	4.4
	18	3	0.2	3.6
15	00	3	0.2	3.4
	06	3	0.2	3.7
	12	...	-	-
	18	...	-	-
16	00	...	-	-
	06	3	0.6	4.4
	12	3	0.7	4.6
	18	3	0.7	4.4
17	00	3	0.7	4.2
	06	3	0.8	4.8
	12	3	1.0	5.0
	18	3	1.2	4.5
18	00	3	1.5	4.6
	06	3	1.6	4.6
	12	3	0.9	4.7
	18	3	0.5	4.6
19	00	3	0.7	4.7
	06	3	0.4	4.7
	12	3	0.4	4.3
	18	3	0.3	4.2
20	00	3	0.3	4.1
	06	3	0.3	3.8
	12	3	0.3	4.0
	18	3	0.3	4.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: BOKARO				
21	00	3	0.7	3.1
	06	3	0.5	3.2
	12	3	0.5	3.7
	18	3	0.4	3.7
22	00	3	0.3	3.9
	06	3	0.3	3.9
	12.	3	0.3	3.7
	18	3	0.3	3.8
23	00	3	0.2	3.5
	06	3	0.3	4.0
	12	3	0.2	3.3
	18	3	0.2	3.5
24	00	3	0.2	3.3
	06	3	0.2	3.5
	12	3	0.2	3.3
	18	3	0.2	3.7
25	00	3	0.2	3.5
	06	3	0.2	3.5
	12	3	0.2	3.9
	18	3	0.2	3.5
26	00	3	0.3	4.0
	06	3	0.3	4.0
	12	3	0.2	3.8
	18	3	0.3	4.0
27	00	3	0.3	4.3
	06	3	0.3	5.4
	12	3	0.3	5.2
	18	...	-	-
28	00	3	0.3	4.3
	06	3	0.3	4.5
	12	3	0.3	4.4
	18	3	0.2	3.9
29	00	3	0.2	3.9
	06	3	0.3	4.1
	12	3	0.3	4.4
	18	3	0.3	4.5
30	00	3	0.3	3.7
	06	...	-	-
	12	...	-	-
	18	...	-	-
31	00	...	-	-
	06	3	0.3	4.1
	12	3	0.3	4.4
	18	3	0.3	4.4
Station: CALCUTTA				
01	00	3	0.6	3.8
	06	...		
	12	3	0.8	3.2
	18	3	0.8	3.2
Station: CALCUTTA				
02	00	3	1.0	3.4
	06	3	1.1	3.0
	12	1	1.3	4.0
	18	1	1.8	3.6
03	00	3	1.0	3.0
	06	3	0.8	3.2
	12	3	0.8	3.0
	18	3	0.8	3.0
04	00	3	1.0	3.2
	06	3	0.8	3.2
	12	3	1.0	3.0
	18	3	1.0	3.2
05	00	3	1.2	3.0
	06	3	1.0	3.2
	12	3	1.1	3.2
	18	3	1.2	3.4
06	00	3	1.1	3.2
	06	3	0.6	3.0
	12	3	0.8	3.2
	18	3	1.0	3.2
07	00	3	0.8	3.4
	06	3	0.8	3.0
	12	3	0.6	2.8
	18	3	0.8	3.0
08	00	3	0.6	3.2
	06	3	0.5	3.0
	12	3	0.4	2.8
	18	3	0.6	3.0
09	00	3	0.5	2.8
	06	...		
	12	3	0.4	2.8
	18	3	0.3	3.0
10	00	3	0.6	3.0
	06	3	0.8	3.2
	12	3	0.6	3.0
	18	3	1.0	3.4
11	00	3	1.1	3.2
	06	3	1.2	2.6
	12	3	0.8	2.8
	18	3	0.8	3.0
12	00	3	1.0	3.2
	06	3	0.6	3.0
	12	3	0.5	3.2
	18	3	0.5	2.8
13	00	3	0.4	3.2
	06	3	0.6	2.8
	12	3	0.4	3.0
	18	3	0,4	2.6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station:		CALCUTTA		
14	00	3	0.8	3.2
	06	3	1.0	3.4
	12	3	0.8	3.2
	18	....		
15	00	....		
	06	3	1.1	4.0
	12	3	1.2	4.2
	18	3	1.2	4.0
16	00	3	2.0	4.2
	06	3	2.1	4.2
	12	3	2.2	4.8
	18	3	2.5	4.4
17	00	3	3.6	3.8
	06	2	4.0	5.0
	12	....	Disturbances	
	18	2	4.8	5.0
18	00	....	Disturbances	
	06	....	-do-	
	12	....	-do-	
	18	2	3.8	4.0
19	00	2	3.2	4.0
	06	3	2.3	5.0
	12	3	2.1	4.0
	18	3	1.6	3.8
20	00	3	1.8	3.2
	06	3	2.0	4.0
	12	3	1.8	3.8
	18	3	1.6	4.0
21	00	....	Disturbances	
	06	2	3.0	3.8
	12	2	2.1	4.0
	18	2	1.5	4.2
22	00	3	1.0	4.0
	06	3	0.8	4.0
	12	3	1.0	4.2
	18	3	0.8	3.8
23	00	3	0.8	4.0
	06	3	1.0	3.6
	12	3	1.1	3.2
	18	3	0.8	3.4
24	00	3	1.0	4.0
	06	3	1.1	4.2
	12	3	1.0	4.0
	18	3	1.2	4.2
25	00	3	1.0	3.8
	06	3	1.5	3.8
	12	3	1.2	4.0
	18	3	1.0	3.4
26	00	3	0.8	3.2
	06	3	1.0	4.0
	12	3	1.2	4.2
	18	3	1.0	3.8
27	00	3	0.6	3.4
	06	3	0.8	4.0
	12	3	0.8	3.2
	18	3	0.6	3.0
28	00	3	0.4	3.0
	06	3	0.8	3.0
	12	3	0.6	3.2
	18	3	0.5	2.8
29	00	3	0.6	3.6
	06	3	1.1	3.2
	12	3	0.8	3.4
	18	3	0.8	3.4
30	00	3	1.0	3.6
	06	3	1.0	3.2
	12	3	0.8	3.4
	18	3	0.8	3.0
31	00	3	0.8	3.2
	06	3	1.0	3.8
	12	3	1.1	4.0
	18	3	1.2	3.8
Station:		GOA (COMPONENT E-W)		
01	00	3	0.3	2.6
	08	3	0.5	2.8
	12	3	0.4	3.0
	18	3	0.5	3.0
02	00	3	0.4	3.0
	08	3	0.6	3.2
	12	3	0.7	3.2
	18	3	0.8	3.2
03	00	3	0.7	3.0
	08	3	0.4	3.0
	12	3	0.4	2.6
	18	3	0.4	2.6
04	00	3	0.4	2.8
	08	3	0.3	2.6
	12	3	0.2	2.6
	18	3	0.4	2.6
05	00	3	0.3	2.8
	08	3	0.2	2.2
	12	3	0.2	2.2
	18	3	0.3	2.0
06	00	3	0.3	2.0
	08	3	0.2	1.8
	12	...	-	-
	18	3	0.1	1.6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station GOA (COMPONENT E-W)				
31	00	3	0.2	1.8
	08	3	0.2	2.0
	12	...	-	-
	18	...	-	-
Station: MADRAS				
01	00	2	0.5	3.5
	03	2	0.6	3.5
	06	2	0.5	3.4
	12	2	0.6	3.5
	18	2	0.8	3.5
02	00	2	0.6	3.5
	03	2	0.8	3.0
	06	2	0.8	3.2
	12	2	0.6	3.2
	18	2	0.6	3.1
03	00	2	0.6	3.2
	03	2	0.5	3.5
	06	2	0.5	3.5
	12	2	0.5	3.5
	18	2	0.5	3.2
		3	0.4	2.0
04	00	2	0.6	3.5
		3	0.4	2.0
	03	2	0.5	3.2
	06	2	0.5	3.2
		3	0.4	2.5
	12	2	0.5	3.5
		3	0.4	2.5
	18	2	0.5	3.4
		3	0.5	2.5
05	00	2	0.4	3.2
		3	0.4	2.5
	03	3	0.5	3.0
	06	3	0.5	3.0
	12	3	0.4	2.9
	18	3	0.5	2.8
06	00	3	0.5	2.8
	03	3	0.5	2.8
	06	3	0.5	2.7
	12	3	0.5	2.7
	18	3	0.5	3.2
07	00	3	0.5	3.2
	03	3	0.5	2.8
	06	3	0.5	2.8
	12	3	0.5	2.8
	18	3	0.5	2.8
08	00	3	0.5	3.0
	03	3	0.5	3.0
	06	3	0.5	3.0
	12	3	0.5	2.6
	18	3	0.5	2.6
Station: MADRAS				
09	00	3	0.4	2.6
	03	3	0.5	2.8
	06	3	0.5	2.8
	12	3	0.5	2.8
	18	3	0.4	2.8
10	00	2	0.5	2.8
	03	2	0.6	2.8
	06	...	Power failure No Record	
	12	2	0.4	2.8
	18	2	0.5	2.8
11	00	2	0.5	3.0
	03	2	0.5	2.8
	06	2	0.5	2.9
	12	2	0.5	3.0
	18	2	0.5	3.0
12	00	2	0.5	3.0
	03	2	0.5	3.0
	06	2	0.5	3.0
	12	2	0.5	3.0
	18	2	0.5	3.2
13	00	2	0.6	3.2
	03	2	0.5	2.8
	06	2	0.6	3.2
	12	2	0.6	3.2
	18	2	0.5	3.0
14	00	2	0.6	2.8
	03	2	0.6	3.2
	06	2	0.6	3.2
	12	2	0.6	2.8
	18	2	0.8	3.2
15	00	2	0.8	2.9
	03	2	0.9	3.0
	06	2	0.8	3.5
	12	2	1.0	3.4
	18	2	1.2	3.5
16	00	2	1.8	4.4
	03	2	2.0	4.4
	06	2	2.0	4.4
	12	2	2.5	4.5
	18	2	2.5	4.4
17	00	2	2.2	4.2
	03	2	1.8	4.5
	06	2	2.2	4.5
	12	2	2.8	4.5
	18	2	2.9	4.5
18	00	2	2.8	4.6
	03	2	2.0	4.5
	06	2	2.0	4.5
	12	2	2.8	4.5
	18	2	2.9	4.6

Station: GOA (COMPONENT E-W)

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
07	00	3	0.2	2.2
	06	3	0.2	2.0
	12	3	0.1	1.4
	18	3	0.1	1.4
08	00	3	0.1	2.0
	08	3	0.3	2.8
	12	3	0.3	2.6
	18	3	0.3	2.4
09	00	3	0.2	2.4
	08	...	-	-
	12	3	0.2	2.4
	18	3	0.2	2.6
10	00	3	0.2	2.4
	06	3	0.2	2.2
	12	3	0.1	1.6
	18	3	0.2	1.8
11	00	3	0.2	1.6
	08	3	0.2	2.6
	12	3	0.1	1.6
	18	3	0.1	2.0
12	00	3	0.2	2.2
	08	3	0.2	2.0
	12	3	0.1	1.8
	18	3	0.1	1.6
13	00	3	0.2	2.0
	08	3	0.3	2.2
	12	3	0.3	2.0
	18	3	0.2	2.0
14	00	3	0.2	2.2
	08	3	0.3	2.0
	12	3	0.3	2.2
	18	3	0.4	2.8
15	00	3	0.3	2.2
	08	3	0.4	2.4
	12	...	-	-
	18	...	-	-
16	00	...	-	-
	08	...	-	-
	12	...	-	-
	18	...	-	-
17	00	3	0.3	2.6
	08	...	-	-
	12	3	0.4	2.8
	18	3	0.6	2.8
18	00	3	0.6	2.6
	06	3	0.4	2.8
	12	...	-	-
	18	...	-	-

Station: GOA (COMPONENT E-W)

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
19	00	3	0.6	2.8
	08	3	0.4	2.2
	12	3	0.4	2.0
	18	3	0.3	2.2
20	00	3	0.3	2.2
	08	3	0.3	1.6
	12	3	0.2	2.0
	18	...	-	-
21	00	...	-	-
	08	...	-	-
	12	...	-	-
	18	3	0.4	2.4
22	00	3	0.3	1.6
	08	3	0.3	2.0
	12	3	0.3	1.8
	18	3	0.3	1.6
23	00	3	0.2	1.6
	08	3	0.2	1.8
	12	3	0.3	1.8
	18	3	0.2	1.6
24	00	3	0.3	2.0
	08	...	-	-
	12	...	-	-
	18	...	-	-
25	00	...	-	-
	06	3	0.3	1.6
	12	3	0.2	1.6
	18	3	0.2	1.6
26	00	3	0.3	1.8
	08	3	0.2	2.0
	12	3	0.2	2.0
	18	...	-	-
27	00	3	0.2	1.8
	08	3	0.2	1.8
	12	3	0.2	1.9
	18	...	-	-
28	00	...	-	-
	08	...	-	-
	12	...	-	-
	18	...	-	-
29	00	3	0.3	2.0
	08	3	0.2	1.6
	12	3	0.3	1.6
	18	...	-	-
30	00	3	0.2	1.8
	08	3	0.2	1.6
	12	3	0.3	1.8
	18	3	0.3	2.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: MADRAS				
19	00	2	2.9	4.5
	03	2	2.6	4.5
	06	2	2.4	4.5
	12	2	2.0	4.5
	18	2	1.0	4.5
20	00	2	0.8	3.8
	03	2	1.0	3.5
	06	2	1.2	4.0
	12	3	0.6	3.2
	18	3	0.8	3.4
21	00	3	0.6	3.0
	03	2	0.8	2.9
	06	2	0.6	2.8
	12	2	0.8	3.0
	18	2	0.8	3.0
22	00	2	1.2	3.8
	03	2	1.2	3.0
	06	2	2.0	3.0
	12	2	1.0	3.0
	18	2	0.8	2.8
23	00	2	0.5	2.9
	03	2	0.6	2.5
	06	2	0.5	2.5
	12	2	0.5	2.5
	18	2	0.5	2.6
24	00	2	0.5	2.8
	03	2	0.6	2.8
	06	2	0.6	2.6
	12	2	0.5	2.6
	18	2	0.5	2.6
25	00	2	0.6	2.8
	03	2	0.5	3.0
	06	2	0.5	3.0
	12	2	0.6	2.8
	18	2	0.5	2.7
26	00	2	0.6	2.6
	03	2	0.6	2.6
	06	2	0.5	2.7
	12	2	0.5	2.7
	18	2	0.5	2.8
27	00	2	0.5	2.8
	03	2	0.6	3.0
	06	2	0.5	3.0
	12	2	0.5	2.8
	18	2	0.5	2.7
28	00	2	0.5	2.6
	03	2	0.6	2.8
	06	2	0.5	2.9
	12	2	0.5	3.0
	18	2	0.8	3.0
29	00	2	1.0	3.0
	03	2	1.0	3.0
	06	2	0.8	3.5
	12	2	1.2	3.4
	18	2	1.0	3.2
30	00	2	0.8	3.0
	03	2	1.0	3.2
	06	2	1.0	3.2
	12	2	0.7	3.2
	18	2	0.6	3.1
31	00	2	0.6	3.2
	03	2	0.8	3.4
	06	2	0.8	3.3
	12	2	0.8	3.5
	18	2	1.0	3.5
Station: PORT BLAIR				
01	00	...	-	-
	06	3	0.8	5
	12	3	0.8	5
	18	3	0.8	5
02	00	3	0.8	5
	06	3	0.4	6
	12	3	0.4	6
	18	3	0.4	6
03	00	3	0.4	6
	06	3	0.4	5
	12	3	0.4	5
	18	3	0.4	5
04	00	3	0.4	5
	06	3	0.8	3
			0.4	5
	12	3	0.4	3
			0.8	5
	18	...	-	-
05	00	...	-	-
	06	3	0.4	7
	12	3	0.4	3
	18	...	-	-
06	00	...	-	-
	06	3	0.8	3
			0.8	7
	12	3	0.8	3
			0.8	7
	18	3	0.8	3
			0.8	7
07	00	3	0.8	3
			0.8	7
	06	3	0.4	3
			0.8	5
	12	3	0.8	3
			0.8	5
	18	3	0.8	3

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: PORT BLAIR				
08	00	3	0.8	3
	06	3	1.2	3
	12	3	1.2	3
	18	3	1.2	3
09	00	3	1.2	3
	06	3	0.8	3
	12	3	0.8	3
	18	3	0.8	3
10	00	3	0.8	7
	06	3	0.8	7
	12	3	0.8	7
	18	3	1.2	7
11	00	3	0.8	3
			1.2	7
	06	3	0.8	3
			1.2	6
	12	3	0.8	3
			1.2	6
	18	3	0.8	3
			1.2	6
12	00	...	-	-
	06	3	1.2	2
	12	3	1.2	2
	18	3	1.2	2
13	00	3	1.2	2
	06	3	1.2	2
			1.2	7
	12	3	1.2	2
			1.2	7
	18	3	1.2	2
			1.2	7
14	00	3	1.2	2
			0.8	7
	06	3	1.6	3
			1.2	7
	12	...	-	-
	18	3	2.4	3
15	00	3	3.2	3
	06	3	4.0	3
	12	3	6.0	3
	18	3	8.0	3
16	00	3	12.0	3
	06	3	12.0	3
	12	3	12.0	5
	18	3	10.0	5
17	00	3	10.0	5
	06	3	8.0	5
	12	3	10.0	5
	18	3	1.0	5
18	00	3	7.2	5
	06	3	6.0	5
	12	3	6.0	5
	18	3	5.2	5
19	00	3	4.4	5
	06	3	4.0	5
	12	3	3.2	5
	18	3	2.4	5
20	00	3	0.8	2
	06	3	1.6	5
	06	3	1.2	3
			1.2	5
	12	3	1.2	3
			1.2	5
	18	3	1.2	3
			1.2	5
21	00	3	1.2	3
			1.2	5
	06	3	1.2	3
			1.2	5
	12	3	1.2	3
			1.2	5
	18	3	1.2	3
22	00	3	1.2	3
	06	3	1.2	3
	12	3	1.2	3
	18	...	-	-
23	00	...	-	-
	06	...	-	-
	12	3	0.8	3
	18	...	-	-
24	00	...	-	-
	06	3	1.2	3
	12	3	1.2	3
	18	3	1.6	3
25	00	3	1.6	3
			1.2	7
	06	3	1.2	3
			1.2	7
	12	3	1.2	3
			1.6	7
	18	3	0.8	3
			1.6	7
26	00	3	0.8	3
			1.6	7
	06	3	0.8	3
			1.6	7
	12	3	0.8	3
			1.2	7
	18	3	0.8	3
			1.6	7
27	00	3	0.8	3
			1.2	7
	06	3	0.8	3
			1.2	7
	12	3	1.2	3
			1.2	7
	18	3	1.2	3

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: PORT BLAIR				
28	00	3	1.2	3
	06	...	-	-
	12	...	-	-
	18	...	-	-
29	00	...	-	-
	06	3	2.0	3
	12	3	1.6	3
	18	3	1.2	3
30	00	3	1.2	3
			0.8	7
	06	3	1.2	3
			1.2	7
	12	...	-	-
	18	3	1.2	3
			1.6	7
31	00	3	1.2	3
			1.6	7
	06	3	1.2	3
			2.0	7
	12	3	1.2	3
			2.0	7
	18	3	1.6	3
			2.0	7
Station: SHILLONG				
01	00	3	0.3	4.2
	06	3	0.3	4.0
	12	3	0.2	3.8
	18	3	0.2	3.8
02	00	3	0.2	3.6
	06	3	0.2	3.4
	12	3	0.2	3.8
	18	3	0.2	3.0
03	00	3	0.2	3.0
	06	3	0.2	3.6
	12	3	0.3	3.8
	18	3	0.3	4.0
04	00	3	0.3	4.2
	06	3	0.3	4.8
	12	3	0.3	4.2
	18	3	0.3	4.4
05	00	3	0.3	4.2
	06	3	0.3	4.2
	12	3	0.3	4.0
	18	3	0.3	4.0
06	00	3	0.2	3.8
	06	3	0.2	3.8
	12	3	0.2	4.0
	18	3	0.2	3.8
07	00	3	0.2	4.0
	06	3	0.2	3.8
	12	3	0.2	4.0
	18	3	0.2	4.0
Station: SHILLONG				
08	00	3	0.2	3.6
	06	3	0.2	3.8
	12	3	0.2	4.0
	18	3	0.2	4.0
09	00	3	0.2	3.6
	06	3	0.2	3.8
	12	3	0.2	3.8
	18	3	0.2	4.0
10	00	3	0.2	4.2
	06	3	0.2	4.0
	12	3	0.2	4.2
	18	3	0.3	4.2
11	00	3	0.3	4.2
	06	3	0.3	4.0
	12	3	0.3	4.2
	18	3	0.3	4.4
12	00	3	0.2	4.0
	06	3	0.2	4.0
	12	3	0.2	4.0
	18	3	0.2	3.8
13	00	3	0.2	4.0
	06	3	0.3	4.2
	12	3	0.2	4.4
	18	3	0.3	4.2
14	00	3	0.3	4.0
	06	3	0.3	4.0
	12	3	0.3	4.4
	18	3	0.3	4.0
15	00	3	0.3	4.0
	06	3	0.3	4.2
	12	3	0.3	4.0
	18	3	0.3	4.2
16	00	3	0.4	4.0
	03	2	0.4	4.2
	06	2	0.5	5.0
	09	2	0.5	5.0
	12	2	0.6	5.2
	15	2	0.6	5.2
	18	2	0.6	5.2
	21	2	0.5	4.8
17	00	2	0.7	5.2
	03	2	0.7	5.2
	06	2	0.8	5.2
	09	2	0.7	5.0
	12	2	0.8	5.2
	15	2	0.8	5.0
	18	2	0.8	5.0
	21	2	0.7	5.0
18	00	2	1.3	5.4
	03	2	1.5	5.4
	06	2	1.6	5.0
	09	2	1.4	5.0
	12	2	1.1	5.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: SHILLONG Cont.				
18	15	2	1.1	5.2
	18	2	1.0	5.0
	21	2	1.0	4.6
19	00	2	1.0	5.0
	06	2	0.6	4.6
	12	3	0.4	4.0
	18	3	0.3	3.8
20	00	3	0.3	4.0
	06	3	0.3	4.2
	12	3	0.3	4.2
	18	3	0.3	4.0
21	00	3	0.3	3.8
	06	3	0.3	4.0
	12	3	0.3	4.0
	18	3	0.3	4.0
22	00	3	0.3	4.0
	06	3	0.2	4.0
	12	3	0.2	4.0
	18	3	0.3	3.8
	00	3		
23	00	3	0.2	3.8
	06	3	0.3	4.0
	12	3	0.2	4.0
	18	3	0.2	4.0
24	00	3	0.2	3.6
	06	3	0.2	3.8
	12	3	0.3	4.0
	18	3	0.2	3.8
25	00	3	0.3	4.0
	06	3	0.3	4.0
	12	3	0.3	4.0
	18	3	0.3	4.0
26	00	3	0.3	4.0
	06	3	0.3	4.2
	12	3	0.2	3.8
	18	3	0.2	3.6
27	00	3	0.3	4.4
	06	3	0.3	4.8
	12	3	0.3	5.0
	18	...	-	-
28	00	3	0.2	3.6
	06	3	0.3	4.0
	12	3	0.3	4.0
	18	3	0.3	4.0
29	00	3	0.3	4.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
30	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
31	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
Station: TRIVANDRUM				
01	00	0,0		
	06	0,0		
	12	0,0		
	18	0,0		
02	00	0,0		
	06	0,0		
	12	2	0.3	3.5
	18	2	0.3	3.3
03	00	0,0		
	06	2	0.3	3.3
	12	2	0.3	3.5
	18	2	0.4	3.1
04	00	2	0.4	3.1
	06	2	0.5	3.1
	12	2	0.4	3.3
	18	2	0.4	3.0
05	00	2	0.4	3.0
	06	2	0.3	2.9
	12	0,0		
	18	0,0		
06	00	0,0		
	06	0,0		
	12	0,0		
	18	2	0.4	3.2
07	00	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.4	2.9
08	00	2	0.4	3.0
	06	2	0.4	3.0
	12	2	0.4	3.0
	18	2	0.4	3.0
09	00	2	0.3	2.7
	06	2	0.4	2.8
	12	2	0.4	3.0
	18	2	0.4	3.0
10	00	2	0.5	3.0
	06	2	0.4	3.0
	12	2	0.3	2.8
	18	2	0.4	2.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: TRIVANDRUM				
11	00	0,0		
	06	2	0.5	3.0
	12	2	0.6	3.0
	18	2	0.5	3.2
12	00	2	0.5	3.3
	06	2	0.6	3.2
	12	2	0.7	3.2
	18	2	0.9	3.6
13	00	2	0.7	3.4
	06	2	0.5	3.3
	12	2	0.6	3.2
	18	2	0.8	3.2
14	00	2	0.7	3.2
	06	2	0.6	3.3
	12	2	0.5	3.3
	18	2	0.6	3.3
15	00	2	0.6	3.1
	06	2	0.5	3.1
	12	2	0.6	3.2
	18	2	0.9	3.4
16	00	2	1.1	3.7
	06	2	0.9	3.5
	12	2	0.9	3.1
	18	2	0.7	3.6
17	00	2	0.9	3.4
	06	2	0.8	3.6
	12	2	1.0	3.5
	18	2	0.9	3.6
18	00	2	0.7	4.0
	06	2	1.1	3.7
	12	2	1.3	3.8
	18	2	1.0	3.8
19	00	2	1.1	3.4
	06	...		
	12	...		
	18	2	0.8	2.6
20	00	2	0.7	3.4
	06	2	0.7	3.7
	12	2	0.7	3.8
	18	2	0.6	3.8
21	00	2	0.5	3.8
	06	2	0.6	3.8
	12	2	0.6	3.9
	18	2	0.5	3.8
22	00	2	0.5	3.4
	06	...		
	12	2	0.5	3.1
	18	2	0.4	3.3
23	00	2	0.6	2.9
	06	2	0.5	3.0
	12	2	0.7	3.0
	18	2	0.5	2.8
24	00	2	0.5	3.0
	06	0,0		
	12	0,0		
	18	0,0		
25	00	0,0		
	06	2	0.4	2.7
	12	2	0.5	2.9
	18	2	0.6	2.9
26	00	2	0.6	3.1
	06	2	0.5	3.3
	12	2	0.5	3.4
	18	2	0.4	3.0
27	00	2	0.4	3.4
	06	2	0.5	3.1
	12	2	0.4	3.0
	18	...		
28	00	2	0.4	3.0
	06	2	0.5	3.0
	12	2	0.4	3.0
	18	2	0.4	3.2
29	00	2	0.5	3.7
	06	...		
	12	2	0.5	3.7
	18	2	0.4	3.7
30	00	2	0.5	3.2
	06	2	0.5	3.3
	12	2	0.4	3.2
	18	2	0.5	3.3
31	00	2	0.5	3.2
	06	2	0.5	3.5
	12	2	0.6	3.4
	18	2	0.6	3.3
Station: VISAKHAPATNAM				
01	00	00	-	-
	06	2	0.3	5.2
	12	2	0.3	5.6
	18	2	0.3	5.1
02	00	1	0.3	3.4
	06	1	0.3	3.1
	12	1	0.3	3.1
	18	1	0.3	2.9

0,0 = Minute not measurable

... = No observation, Power failure.

MAY 1967

Station: VISAKHAPATNAM

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
03	00	1	0.2	2.8
	06	1	0.3	2.8
	12	1	0.3	2.9
	18	2	0.3	2.6
04	00	2	0.3	2.9
	06	2	0.3	2.9
	12	2	0.3	2.8
	18	2	0.2	2.6
05	00	2	0.2	2.6
	06	2	0.2	2.6
	12	2	0.2	2.5
	18	2	0.2	2.5
06	00	2	0.2	2.5
	06	2	0.2	2.5
	12	2	0.3	2.6
	18	2	0.2	2.5
07	00	2	0.2	2.5
	06	2	0.2	2.5
	12	2	0.2	2.3
	18	2	0.2	2.2
08	00	2	0.2	2.2
	06	2	0.2	2.5
	12	2	0.2	2.5
	18	2	0.2	2.5
09	00	2	0.2	2.3
	06	2	0.2	2.5
	12	2	0.2	2.4
	18	2	0.2	2.3
10	00	2	0.3	3.1
	06	2	0.2	3.1
	12	2	0.3	3.2
	18	2	0.3	3.4
11	00	00	-	-
	06	2	0.3	3.4
	12	2	0.3	3.5
	18	2	0.3	3.6
12	00	2	0.3	3.7
	06	2	0.4	4.9
	12	2	0.4	5.3
	18	2	0.4	5.5
13	00	2	0.3	5.4
	06 A	00	-	-
	12	2	0.4	5.5
	18	2	0.4	5.5
14	00	2	0.4	5.5
	06	2	0.4	5.5
	12	2	0.4	5.1
	18	2	0.4	4.8
15	00	2	0.3	4.0
	06	1	0.5	4.4
	12	1	0.4	4.4
	18	1	0.5	4.5

Station: VISAKHAPATNAM

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
16	00	1	0.6	4.5
	06	1	0.8	4.4
	12	1	1.0	4.5
	18	1	0.7	4.5
17	00	1	0.7	4.5
	06	1	0.9	4.5
	12	1	1.1	4.7
	18	1	1.1	4.7
18	00	1	1.2	4.8
	06	1	1.3	4.7
	12	1	1.2	4.7
	18	1	1.1	4.8
19	00	1	1.1	4.6
	06	1	1.0	4.5
	12	1	0.8	4.6
	18	1	0.6	4.5
20	00	2	0.5	4.5
	06	2	0.5	4.6
	12	2	0.4	4.4
	18	2	0.4	4.3
21	00	2	0.3	3.8
	06	2	0.3	3.2
	12	2	0.4	3.2
	18	1	0.6	3.3
22	00	1	0.8	3.4
	06	1	0.8	3.9
	12	1	0.6	3.5
	18	2	0.5	3.9
23	00	2	0.5	4.1
	06	2	0.4	4.0
	12	2	0.4	4.0
	18	3	0.4	4.2
24	00	2	0.4	4.3
	06	2	0.3	4.0
	12	2	0.3	3.8
	18	2	0.3	3.6
25	00	2	0.5	3.2
	06	2	0.3	3.1
	12	2	0.3	3.1
	18	2	0.3	2.9
26	00	2	0.3	2.9
	06	2	0.3	3.2
	12	2	0.5	3.5
	18	2	0.3	3.5
27	00	2	0.3	3.0
	06	2	0.3	3.4
	12	2	0.3	3.5
	18	2	0.3	3.5
28	00	2	0.3	3.4
	06	2	0.3	3.5
	12	2	0.3	3.5
	18	2	0.3	3.5

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: VISAKHAPATNAM				
29	00	2	0.3	3.6
	06	2	0.3	3.6
	12	2	0.3	3.6
	18	2	0.3	3.6
30	00	2	0.3	3.7
	06	2	0.3	3.6
Station: VISAKHAPATNAM				
30	12	2	0.3	3.7
	18	2	0.3	3.6
31	00	2	0.3	3.6
	06	2	0.3	3.6
	12	2	0.3	3.6
	18	2	0.3	3.6

A = Power Failure

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES

REGD. No. RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra	31.25	76.25										
BHK					Electromagnetic (H)	Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1	60
Calcutta	22.32	88.20	7	Milne Shaw Alluvium	Milne-Shaw	E	12		250	0.7		8
CAL			6	Omori-Ewing	Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
					Sprengnether	N	7.0	7.0	1000		1	30
Chatra	26.50	87.10	161	Sand stone	Benioff	Z	0.72	0.45	-	-	1	60
CHA					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	7.6	7.6	5000		1	30
NDI					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.76	50K for TE=1 sec.		1	60
						N	1.0	0.76	50K for TE=1 sec.		1	60
						E	1.0	0.75	50K for TE=1 sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for TE=15 secs.		1	30
						N	15	100	1500 for TE=15 secs.		1	30
						E	15	100	1500 for TE=15 secs.		1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lemison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
						E	12					
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(SP)	Z	1.0	0.75	50K for TE=1 sec.		1	60
KOD						N	1.0	0.75	50K for TE=1 sec.		1	60
						E	1.0	0.75	50K for TE=1 sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for TE=15 secs.		1	30
						N	15	100	1500 for TE=15 secs.		1	30
						E	15	100	1500 for TE=15 secs.		1	30
					Milne-Shaw	E	12		250	0.7		8
Madras	13.00	80.11	15		Sprengnether	E	7.4	7.4			1	30
MDR						Z	1.5	1.5			1	60
Poona	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K for TE=1 sec.		1	60
POO						N	1.0	0.75	50K for TE=1 sec.		1	60
						E	1.0	0.75	50K for TE=1 sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for TE=15 secs.		1	30
						N	15	100	1500 for TE=15 secs.		1	30
						E	15	100	1500 for TE=15 secs.		1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		890	0.7		30
						E	0.8		840	0.8		30
					Benioff	Z	1.2	1.5			1	30
Sehore	23.10	77.05			Wood-Anderson	N	0.8		860	1		30
SEH						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)	Benioff(SP)	Z	1	0.75	200K for TE=1 sec		1	60
SHL						N	1	0.75	200K for TE=1 sec		1	60
						E	1	0.75	200K for TE=1 sec		1	60
					Press-Ewing (LP)	Z	15	100	3000 for TE=15 secs		1	15
						N	15	100	3000 for TE=15 secs		1	15
						E	15	100	3000 for TE=15 secs		1	15
					Sprengnether	E	6.7	6.7	2600		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57	Decomposed Laterite		Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
					Wood-Anderson	E	0.8		1000	1		30
VIS						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0	-	250	0.7		12

DATE	STN	PHASE	H. M. S.	C	Deg
01	Epc: 53.7°N, 165.6°W. - H = 03h 36m 19.0s (USCGS) Depth=60 km. Mag. 5.7 (CGS)				
	SHL	iP	03 48 05	C	
	CHA	iP	03 48 14.7	C	
	DDI	iP	03 48 21.4	C	79.3
		iS	58 12.9		
	NDI	iP	03 48 32.5	CSW	81.4
		eS	58 36		
		SKS	58 44		
	POO	iP	03 49 22.5	C	
01	Epc; 2.9°N, 99.0°E. -H= 05h 57m 12.5s (USCGS) Depth = 171 kms. Mag. 4.6 (CGS)				
	KOD	iP	06 02 02	DSE	24.9
		e	02 06.5		
		eS	06 09		
	SHL	iP	06 02 09	DSE	
	CHA	eP	06 02 46		
	NDI	eP	06 03 32		
	POO	eP	06 09 38		
01	BOK	e	07 30 45		
01	NDI	eP	07 41 56	C	7.9
		eS	43 27		
	DDI	eP	07 42 03.3		
01	Epc: 36.9°N, 29.2°E. Turkey -H= 10h 39m 22.8s (USCGS) Depth = 36 Km. Mag. 5.0(CGS)				
	NDI	eP	10 47 01	S	
	DDI	eP	10 47 03	C	
	KOD	iP	10 48 22	C	
	SHL	eP	10 48 42		
01	KOD	iP	10 59 35.5	C	
01	KOD	iP	11 01 14	DSE	
01	Epc: 44.5°N, 149.0°E - H = 11h 03m 52.4s (USCGS) Depth= 58 kms. Mag. 5.1 (CGS)				
	SHL	iP	11 12 38	CSW	
	DDI	iP	11 13 30.7	C	
	NDI	iP	11 13 40.8	CSW	
	POO	eP	11 14 39		
01	PBA	ePn	12 55 22.9		1.6
		iSn	55 44.4		
	MDR	e	12 58 02		
		e	13 00 14		
01 Contd.	SHL	eP	12 58 23		
	CHA	iP	12 58 54	D	
	NDI	eP	12 59 59	D	
	DDI	eP	13 00 06		
	BOK	e	13 01 05		
	POO	eP	13 03 13		
01	SHL	iPg	18 53 07	DE	1.0
		iSg	53 20		
01	SHL	iP	18 52 47	CS	4.4
		eS	53 3[illegible]		
01	Epc: 2.5°S, 129.8°E. Ceram -H= 19h 01m 16.6s (USCGS) Depth = 12 km. Mag. 4.7 (CGS)				
	SHL	iP	19 09 43	DE	
01	Epc: 6.8°S, 155.0°E. Solomon Islands. Mag. 5.6 (CGS) - H = 20h 47m 45.6s (USCGS)				
	SHL	iP	20 58 52	CNW	69.5
		iS	21 07 56		
	CHA	iP	20 59 18.5	C	
	DDI	iP	21 00 05.5	C	
01	NDI	iP	21 00 06.5	C	82.5
		eS	10 19		
	POO	eP	21 00 14		
	BOM	eP	21 00 19		85.1
		SKS	10 39		
		eS	10 46		
01	Epc: 6.8°S, 154.7°E. Solomon Islands. Mag. 4.8 (CGS) - H = 21h 40m 31.7s (USCGS) Depth = 92 kms.				
	SHL	iP	21 51 30	CNW	
	CHA	iP	21 51 57	D	
	NDI	eP	21 52 45		
01	Epc: 36.2°N, 141.7°E Near East Coast of Honshu, Japan. -H= 22h 16m 31.3s (USCGS) Depth= 40 kms. Mag. 4.6 (CGS).				
	CHA	eP	22 25 02		
	NDI	eP	22 25 54		
02	Epc: 41.0°N, 88.1°E Southern Sinkiang Province, China. - H = 04h 27m 33.2s (USCGS) Depth = 33 kms. Mag. 4.9 (CGS).				
	DDI	eP	04 30 43.0		

DATE	STN	PHASE	H.	M.	S.	∠ Deg	
02	NDI	eP	04	31	05		
Contd.		i		31	12		
	SHL	iP	04	31	18		
	POO	eP	04	33	04		
02	Epc: 43.6°N, 47.5°E - H = 05h 10m 54.9s (USCGS) Depth = 28 kms. Mag. 5.0 (CGS)						
	NDI	eP	05	16	46	28.2	
		eS		21	28		
	DDI	eP	05	16	55.8		
02	NDI	i	06	32	21.5		
02	NDI	i	06	48	28		
02	BOM	e	06	52	42		
02	BOK	e	06	59	03		
02	NDI	eP	09	26	32		
		e		28	14		
02	NDI	e	11	24	36		
02	Epc: 45.2°N, 150.1°E. - H = 12h 03m 17.5s (USCGS) Depth = 33 kms. Mag. 4.7 (CGS)						
	SHL	iP	12	12	13		
	NDI	iP	12	13	14.6		
02	NDI	ePn	13	34	52	5.9	
		i		35	28		
		iSn		36	00		
		i		36	05		
		i		36	43		
02	BHK	ePn	13	35	11		
		e		35	22		
	KOD	iP	13	37	55.5		
	POO	e	13	39	07		
02	CHA	iPg	14	43	46.2	1.7	
		iSg		44	07.9		
02	NDI	i	19	00	02		
02	SHL	iP	21	53	58	DNW	
	POO	eP	21	54	53		
	NDI	i	21	55	20		
02	SHL	iP	22	28	50	DNE	
	CHA	ePn	22	29	32.2	7.2	
		eSn		30	55		
		i		31	38		
	NDI	eP	22	31	21		
		eS		34	03		
	POO	iP	22	32	40.5		
03	NDI	i	01	50	32		
03	POO	eP	02	44	30		
03	SHL	iPg	05	01	13	DN 0.9	
		iSg		01	25		
03	Epc: 10.8°S, 79.0°W. -H= 06h 11m 07.8s (USCGS) Depth = 33 kms. Mag. 4.6 (CGS)						
	DDI	ePKP	06	31	00		
	NDI	ePcP	06	31	02		
03	NDI	e	07	47	51		
03	SHL	iP	08	18	39	DNE	
03	Epc: 58.4°N, 151.2°W. -H= 09h 08m 56.4s (USCGS) Depth = 32 kms. Mag. 5.5 (CGS)						
	SHL	iP	09	21	11	DN	
	DDI	eP	09	21	17		
	CHA	iP	09	21	17.2		
	NDI	eP	09	21	26	84.8	
		PcP		21	34.5		
		PPP		26	17		
		eS		31	50		
03	POO	eP	12	01	18		
03	BOK	e	12	01	32		

DATE	STN	PHASE	H.	M.	S.	Δ Deg		
03	Epc: 8.5°S, 74.4°W - H = 13h 08m 06.8s (USCGS) Depth = 152 Km. Mag. 5.2 (CGS)							
	NDI	ePKP$_1$	13	27	32			
		ePKP$_2$		28	10			
		iS		28	13			
	P00	ePKP	13	27	36			
	SHL	ePKP	13	28	25			
	KOD	iPKP	13	28	28.7			
03	SHL	iP	14	32	11		CS	
	CHA	iP	14	33	11		D	
03	SHL	iP	19	07	44		CE	
03	CHA	iPg	19	49	40.6	D		0.8
		Sg		49	51.3			
03	NDI	eP	21	30	27			12.1
		eS		32	44			
04	KOD	eP	03	16	10.0		NE	
04	Epc: 51.4°N, 159.3°E OFF EAST Coast of Kamchatka - H = 05h 26m 44.6s (USCGS) Depth = 9 Km. Mag. 4.8 (CGS)							
	SHL	iP	05	36	29		CS	
	CHA	iP	05	36	45		C	
	NDI	eP	05	37	15		C	
	P00	iP	05	38	16.0	C		
	KOD	iP	05	38	40.6		DNE	
04	Epc: 51.5°N, 159.3°E, Off East Coast Kanchatka - H = 06h 23m 38.4s (USCGS) Depth = 12 Km. Mag. 4.6 (CGS)							
	SHL	iP	06	33	23		CSW	
	CHA	iP	06	33	37		D	
	P00	eP	06	35	09			
04	CHA	iP	06	35	28.6	C		
		i		35	36.7			
04	Epc: 51.5°N, 159.2°E, Off East Coast of Kamchatra - H = 06h 34m 26.3s (USCGS) Depth = 33 Km. Mag. 4.5 (CGS)							
	SHL	iP	06	44	07		CSW	
	P00	eP	06	45	53			
04	SHL	eP	07	19	58			
04	CHA	iP	07	20	57.1	C		
04	SHL	iP	08	50	18	D		1.0
		i		50	31			
04	BHK	e	09	56	10.4			
04	BHK	e	10	30	08			
04	BOK	e	12	11	38			
04	SHL	iPg	14	18	43			1.0
		iSg		18	57			
04	SHL	iP	17	45	24		CNE	2.6
		iS		45	56			
04	CHA	iPg	17	57	34.0	C		1.5
		Sg		57	53.6			
04	Epc: 15.5°S, 75.7°W, Near Coast of PERU - H = 18h 28m 39.6s (USCGS) Depth = 38 Km. Mag. 4.7 (CGS)							
	P00	ePKP	18	48	31			
	NDI	ePKP$_1$	18	48	33			
		ePKP$_2$		48	45			
04	CHA	iPg	19	25	45.7	C		0.5
		Sg		25	52.5			
04	NDI	iPg	19	40	07		CSE	
05	BOK	e	07	59	08			
05	BOK	e	08	14	33			
05	BOK	e	08	30	28			
05	Epc: 19.7°N, 144.3°E - H = 11h 09m 06.0s (USCGS) Depth = 412 Km. Mag. 4.9 (CGS)							
	SHL	eP	11	17	13		E	
	NDI	iP	11	18	41.6	D		61.7
		i		19	18.0			
		eS		26	30			
	P00	eP	11	19	13			
05	Epc: 5.3°S, 133.9°E. Avoe Islands Region - H = 14h 35m 18.9s (USCGS) Depth = 6 Km. Mag. 4.4 (CGS)							
	P00	eP	14	45	53			
	NDI	eP	14	45	56			
	NDI	iP	15	25	20.5	C		
05	Epc: 51.5°N, 159.1°E. OFF East Coast of Kamchatka - H = 16h 38m 36.2s (USCGS) Depth = 33 Km. Mag. 4.5 (CGS)							

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
05	SHL	eP	16	48	17		CSW
	CHA	iP	16	48	31		D
	DDI	iP	16	48	52.2		C
	NDI	eP	16	49	02		
	POO	iP	16	50	03.0		C
05	POO	ePn	20	08	34	5.2	
		eSn		09	35		
		i		10	05		
05	BOM	ePn	20	10	00	2.8	
		eSn		10	35		
		S*		10	39		
		iSg		10	46		
	KOD	iP	20	10	46	DNE 3.8	
		iS		11	32.3		
		i		11	36.5		
	NDI	eP	20	10	56	6.8	
		e		11	28		
		eS		12	14		
06	NDI	i	02	11	33.1		
06	SHL	iP	05	24	55		CNW
	DDI	ePn	06	31	45.8	3.0	
		ePg		31	55.3		
		iSn		32	22.7		
		iSg		32	30.5		
	NDI	ePn	06	31	50.0	3.5	
		ePg		32	01		
		iSn		32	32.5		
		iSg		32	47.5		
	CHA	iP	06	32	25		C
	BHK	e	06	33	21.0		
		e		33	56		
	SHL	eP	06	33	21		
	POO	eP	06	33	55		
06	Epc: 6.2°S, 152.0°E - H = 06h 35m 16.1s (USCGS) Depth = 58 Km Mag. = 5.4 (CGS)						
	SHL	iP	06	46	01		C
	KOD	iP	06	47	02.0		DSE
	DDI	iP	06	47	19		C
	POO	eP	06	47	25		
06	KOD	iP	07	24	18.0		DN
	POO	eP	07	25	23		
06	NDI	iPg	07	45	17.7		DS 0.7
		iSg		45	26.5		Mag.3.2
	DDI	eP	07	45	46.5		
		i		46	16.0		
06	POO	eP	07	50	08		
	BOK	e	07	53	05		
06	KOD	eP	08	38	00		DSW
06	SHL	iPg	09	11	50		DN 1.0
		iSg		12	04		
06	DDI	ePn	11	27	04		
		e		27	27		
		e		27	33		
	NDI	iPn	11	27	10.5		C 2.8
		iSn		27	45.5		
		Sg		27	56.0		
06	Epc: 9.7°S, 159.8°E - H = 11h 15m 52.7s (USCGS) Depth = 5.0 Km. Mag. = 3.3 (CGS)						
	SHL	iP	11	27	32		C
06	NDI	i	19	12	12.8		
07	NDI	eP	00	19	49		
		i		19	51		
07	SHL	iPg	01	02	00		DW 0.8
		iSg		02	10		
07	BOK	e	10	23	50		
07	SHL	eP	11	45	02		
07	POO	eP	14	20	28		
07	Epc: 34.8N, 26.4°E, CRETE - H = 15h 54m 26.4s (USCGS) Depth = 9 Km. Mag. = 4.7 (CGS)						
	CHA	eP	16	03	42		
07	Epc: 49.4°N, 97.2°E. USSR - Mangolia Border Region - H = 17h 01m 12.9s (USCGS) Depth = 33Km. Mag. = 5.0 (CGS)						
	DDI	iP	17	06	21.2		C
	SHL	iP	17	06	27		CSW
	OHA	iP	17	06	28		D
	NDI	eP	17	06	41		
		e		11	22		
	POO	eP	17	08	13		
	KOD	iP	17	09	07.0		DNE
07	Epc: 47.5N, 155.4°E. Kurile Islands Region. - H = 18h 16 m 31.4s (USCGS) Depth = 29 Km. Mag. = 5.2 (CGS)						
	CHA	iP	18	26	15		C
	DDI	eP	18	26	37		

DATE	STN	PHASE	H. M. S.	Δ Deg.	
07	NDI	eP	18 26 49		
		i	27 02		
	P00	eP	18 27 50		
07	SHL	iPg	20 31 05		CSE
07	Epc: 26.9°N, 58.0°E. Southern Iran. - H = 22h 35m 16.1s (USCGS) Depth = 41 Km. Mag. 4.4 (CGS)				
	NDI	eP	22 39 14		
		e	45 32		
	DDI	eP	22 39 26		
	CHA	e	22 40 56		
08	NDI	e	03 09 55		
08	SHL	iP	07 00 26		CNW
08	Epc: 6.1°N, 125.8°E - H = 07h 01m 54.6s (USCGS) Depth = 158 Km. Mag. 5.4 (CGS)				
	SHL	iP	07 08 57		DSE
	CHA	iP	07 09 35		C
		i	11 26		
	KOD	iP	07 10 20.7		DSE
	DDI	eP	07 10 41.5		
	NDI	iP	07 10 42		D
	P00	eP	07 10 50		
08	BOK	e	07 52 39		
08	NDI	iSg	10 14 11.3		
08	Epc: 4.6°N, 127.1°E. TALAUD Islands. - H = 12h 01m 57.3s (USCGS) Depth = 73 Km. Mag. 5.3 (CGS)				
	SHL	iP	12 09 23		
		eS	15 20	39.8	
	CHA	iP	12 10 01		D
	MDR	eP	12 10 22		
	KOD	iP	12 10 42.0		DE
	DDI	eP	12 10 56		
	NDI	iP	12 11 06.3		C
		e	16 14.0		
	P00	eP	12 11 12		
08	Epc: 21.4°S, 170.3°E LOYALTX Island Region - H = 13h 22m 13.7s (USCGS) Depth = 90 Km. Mag. 5.3 (CGS)				
08	SHL	iP	13 35 01		DSE
08	Epc: 5.3°N, 127.0°E. PHILIPPINE Island Region - H = 13h 51m 23.5s (USCGS) Depth = 104 Km. Mag. 5.0 (CGS)				
	SHL	iP	13 58 42		DSE
	CHA	iP	13 59 20		D
	DDI	eP	14 00 25		
	NDI	iP	14 00 26		D
	P00	eP	14 00 33		
	*(see page 23)				
08	Epc: 26.6°N, 96.0°E - H = 23h 17m 48.7s (USCGS) Depth = 73 Km. Mag. = 4.4 (CGS)				
	SHL	iP	23 18 47		DE
	CHA	iP	23 19 44.0		D
		iS	21 08	7.4	
	DDI	eP	23 21 30		
		eS	24 14		
	NDI	eP	23 21 39		
		eS	24 27	15.4	
	P00	e	23 22 49		
09	NDI	e	03 23 55		
09	NDI	e	03 36 48		
09	NDI	e	04 36 38		
09	Epc: 6.9°S, 125.4°E. BANDA SEA - H = 05h 31m 39.5s (USCGS) Depth = 554Km. Mag. 4.7 (CGS)				
	NDI	iP	05 40 40		
09	BOK	e	07 58 06		
09	BOK	e	08 27 02		
		e	27 32		
09	SHL	iP	08 36 03		CNW
	BOK	e	08 58 11		
09	Epc: 4.0°N, 126.0°E. - H = 11h 21m 57.7 (USCGS) Depth = 55 Km. Mag. 5.0 (CGS)				
	SHL	eP	11 29 22		
	KOD	iP	11 30 41.0		DE
	NDI	iP	11 31 06		D
	P00	iP	11 31 12		D

DATE	STN	PHASE	H.	M.	S.	△ Deg.
09		Epc: [illegible]°S, 1[illegible]3.5°E.				
		- H = 12h 41m [illegible]2.0s (USCGS)				
		Depth = 33 Km.				
		Mag. 5.1 (CCS)				
	SHL	eP	12 [illegible]	08		
09	SHL	[illegible]	14 [illegible]	28	D	
	CHA	iP	14 [illegible]	26	C	
		i		30	57	
	NDI	e	[illegible]	[illegible]	18	
09	NDI	e	15	39	19	
		e		40	21	
09	NDI	e	15	42	33	
		e		42	44	
09	Epc: 2.8°N, 125.7°E.					
	TALAUC Islands.					
	- H = 19h 24m 06.8s (USCGS)					
	Depth = 119 Km.					
	Mag. 5.0 (CGS)					
	SHL	iP	19	31	29	DSE
	CHA	iP	19	32	07	
		i		33	51	
	NDI	eP	19	33	10	
		e	3	[illegible]4	19	
	DDI	e	19	33	12	
09	SHL	iP	19	49	29	DN
09	CHA	i	20	18	15	
		i		18	44	
09	Epc: 9.9°N, 125.9°E					
	- H = 22h 12m 13.7s (USCGS)					
	Depth = 113 Km.					
	Mag. 4.7 (CGS)					
	SHL	eP	22	19	04	
10	KOD	iPn	03	45	08.0	CNE 2.0
		iPg		45	13.0	
		iSn		45	36.0	
		Sg		45	39.5	
10	POO	eP	03	48	04	
		i		48	10	
10	BHK	e	05	14	36	
		i		14	44	
		e		14	46	
	DDI	iP	05	14	47	C
		e		15	14	
	NDI	ePn	05	15	11	2.4
		Pg		15	18.3	
		iS[illegible]		15	41.0	
		iSg		15	46.2	
	POO	e	05	19	49	

DATE	STN	PHASE	H.	M.	S.	△ Deg.
10	Epc: [illegible].3°S, 73.6°W.					
	Near [illegible]ast of Southern CHILE.					
	- H = 05h 26m 44.4s (USCGS)					
	Depth= [illegible]2Km.,Mag.=5.1(CGS)					
	POO	e[illegible]KP	05	46	16	
	PBA	[illegible]P	05	[illegible]	27	
	NDI	e[illegible]KP	05	46	32	
	DDI	[illegible]KP	05	46	34	
	SHL	iP	05	[illegible]	40	CN
10	Epc: [illegible]°S, 12[illegible]°W					
	- H = 05h 45m 52.8s (USCGS)					
	Depth = 12 Km.					
	Mag. 5.1 (CGS)					
	POO	eP	05	59	43	
	NDI	eP	05	59	06	
10	Epc: 49.5°N, 97.5°E. N.W. Mongolia.					
	- H = 06h 32m 43.0s (USCGS)					
	Depth = 33 Km.					
	Mag. 4.5 (CGS)					
	DDI	eP	06	37	56	
	CHA	iP	06	37	57	D
	SHL	eP	06	37	58	NE
	NDI	eP	06	38	13	
10	DDI	eP	06	59	06	
10	BOK	e	08	13	19	
10	SHL	iP	08	41	44	DSW 2.5
		iS		42	15	
10	SHL	i[illegible]g	11	37	35	DSW 0.9
		i[illegible]g		37	46	
10	SHL	eP	17	09	49	N
11	BHK	e	03	15	38	
11	DDI	eP	03	18	03.2	
		i		19	41.2	
11	NDI	e	03	18	44	
		e		19	42	
11	NDI	e	09	09	19	
11	PBA	ePg	09	10	11.1	1.28
		iSg		10	27.6	
11	SHL	e[illegible]g	09	58	36	1.1
		eSg		58	51	
11	Epc: 47.5°N, 154.4°E.					
	Kurile Islands					
	- H = 11h 50m 17.4s (USCGS)					
	Depth = 36 Km.					
	Mag. 4.9 (CGS).					
11	SHL	iP	11	59	35	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
11	DDI	eP	12	00	19			
	NDI	iP	12	00	29.3			
	POO	eP	12	01	29			
11	SHL	eP	14	30	59	3.2		
		eS		31	37			
11	Epc: 10.8°S, 115.1°E. South of Bali Island. - H = 15h 21m 06.5s (USCGS) Depth = 46 Km. Mag. = 5.1 (CGS)							
	SHL	iP	15	29	02		CNW	
	CHA	iP	15	29	31		D	
	POO	eP	15	30	00			
	NDI	iP	15	30	24.5			
		i		30	36			
11	PBA	ePg	17	33	30.4	0.6		
		iSg		33	37.4			
11	PBA(please see page23)							
11	Epc: 3.8°N, 125.5°E. Talaud Islands. - H = 19h 56m 24.5s (USCGS) Depth = 83 Km. Mag. = 4.7 (CGS)							
	SHL	iP	20	03	43		CNW	
12	Epc: 38.2°N, 22.7°E - H = 02h 51m 05.5s (USCGS) Depth = 33 Km. Mag. 4.8 (CGS)							
	NDI	iP	02	59	25		D	
	POO	eP	02	59	45			
	SHL	iP	03	01	01		C	
12	Epc: 3.0°S, 100.6°E. Southern Sumatra. - H = 03h 07m 38.8s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)							
	PBA	e	03	11	38			
	SHL	iP	03	13	43			
		i		19	13			
	POO	eP	13	14	20			
	NDI	eP	03	15	01	40.1		
		i		15	08			
		eS		21	00			
	DDI	eP	03	15	09			
	MDR	e	03	17	49			
12	Epc: 44.9°S, 35.7°E. - H = 05h 21m 10.6s (USCGS) Depth = 36 Km. Mag. = 5.6 (CGS)							

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
12	MDR	eP	05	32	23	72.5		
		eS		41	43			
	POO	eP	05	32	31	73.4		
		iS		41	56			
	NDI	eP	05	33	31			
	DDI	eP	05	33	39.8	85.1		
		eS		44	05.8			
	BHK	eP	05	33	52			
	SHL	iP	05	33	52		DS	88.9
		eS		44	36			
12	KOD	iP	05	45	00.5		CNE	
12	BOK	e	08	16	45			
12	BOK	e	08	38	20			
12	SHL	iP	13	34	38		CS	1.6
		eS		35	00			
12	Epc: 2.0°N, 98.6°E - H = 15h 58m 31.3s (USCGS) Depth = 103 Km. Mag. = ?							
	SHL	iP	16	03	40		CNW	
	CHA	iP	16	04	10		D	
	NDI	eP	16	05	02			
12	Epc: 39.2N, 21.4°E - H = 18h 12m 47.4s (USCGS) Depth = 55 Km. Mag. = 4.5 (CGS)							
	NDI	eP	18	21	09			
12	Epc: .5°N, 120.8°E - H = 18h 57m 45.2s (USCGS) Depth = 109 Km. Mag. = 4.7 (CGS)							
	SHL	iP	19	04	49		DSE	
	CHA	iP	19	05	28			
	NDI	iP	19	06	30		D	
12	Epc: 3.1°S, 100.6°E. Southern Sumatra. - H = 21h 17m 48.9s (USCGS) Depth = 33 Km. Mag. = 5.4 (CGS).							
	PBA	eP	21	21	43			
	MDR	e	21	23	26			
		e		27	48			
	KOD	iP	21	23	34.2		CNW	
	SHL	iP	21	23	54		CN	29.3
		iS		28	44			
	BOK	eP	21	24	05			
	CHA	iP	21	24	22		D	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
12	P00	eP	21	24	31		
		e		32	38		
	NDI	iP	21	25	10.2	CNW	38.7
		eS		31	04		
	DDI	eP	21	25	19	C	40.0
		iS		31	21		
12	Epc: 47.4°N, 154.3°E. Kurile Island.						
	- H = 23h 22m 45.3s (USCGS)						
	Depth = 56 Km.						
	Mag. = 5.4 (CGS)						
	SHL	iP	23	32	00	CSW	53.3
		PcP		33	17		
		PP		34	02		
		eS		39	25		
	CHA	iP	23	32	22	C	
		i		40	29		
	BOK	iP	23	32	37	CS	59.2
		iS		40	38		
	DDI	iP	23	32	44.1	C	
		e		40	46		
12	NDI	iP	23	32	54.7	SWC	61.2
		eS		41	08		
12	PBA	eP	23	33	06		
	VIS	eP	23	33	22		
	P00	iP	23	33	54.5	C	71.0
		iS		43	04		
	MDR	eP	23	33	58		
	BOM	eP	23	34	00		71.5
		eS		43	12		
	KOD	iP	23	34	16.0	DNE	
12	Epc: 9.1°N, 126.4°E. Mindanao Philippine Islands.						
	- H = 23h 32m 46.3s (USCGS)						
	Depth = 61 Km.						
	Mag. = 5.1 (CGS)						
	SHL	iP	23	39	48	DN	
	P00	eP	23	41	49		
13	MDR	e	00	05	17		
13	Epc: 17.5°S, 167.5° E. New Hebrids Island.						
	- H = 00h 17m 15.6s (USCGS)						
	Depth = 9 Km.						
	Mag. = 4.8 (CGS)						
	SHL	eP	00	29	54		
13	Epc: 3.0°S, 100.6°E. Southern Sumatra.						
	- H = 01h 10m 05.9s (USCGS)						
	Depth 33 Km.						
	Mag. = 5.0 (CGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
13	MDR	eP	01	15	44		
	KOD	iP	01	15	50.5	DSE	
	SHL	iP	01	16	11	C	
	CHA	iP	01	16	38		
	P00	eP	01	16	47		
	NDI	iP	01	17	27.5	C	
		i		17	35.5		
		e		23	36		
	DDI	iP	01	17	35.8	C	
13	Epc: 47.6°N, 154.3°E.						
	- H = 02h 42m 45.1s (USCGS)						
	Depth = 32 Km.						
	Mag. = 4.6 (CGS)						
	P00	iP	02	53	56.5	D	
13	SHL	iPg	06	35	47	DN	1.2
		eSg		36	02		
13	SHL	iPg	06	39	25	D	1.0
		eSg		39	38		
13	SHL	iP	12	28	37	D	2.2
		eS		29	05		
13	NDI	e	14	11	47		
13	Epc: .3°N, 125.5°E.						
	- H = 15h 24m 29.1 (USCGS)						
	Depth = 33 Km.						
	Mag. = 4.5 (CGS)						
	SHL	iP	15	32	11	DSE	
13	Epc: 5.6°S, 148.1°E						
	- H = 15h 39m 29.7s (USCGS)						
	Depth = 213 Km.						
	Mag. = 5.4 (CGS)						
	SHL	iP	15	49	33	DNW	63.1
		iS		57	44		
		e		59	17		
	CHA	iP	15	50	03	C	68.5
		iS		58	45		
	DDI	eP	15	50	52		
	NDI	eP	15	50	53	C	76.1
		iS	16	00	16		
	P00	eP	15	51	00		
	BOK	i	15	58	41		
13	SHL	iP	18	45	48	DSE	2.3
		iS		46	17		
13	Epc: 2.3°N, 128.2°E						
	- H = 18h 52m 22.9s (USCGS)						
	Depth = 152 Km.						
	Mag. = 4.7 (CGS)						
	SHL	iP	19	00	00	DE	
13	SHL	iPg	20	11	37	DSE	0.7
		iSg		11	46		

JUNE, 1967

DATE	STN	PHASE	H.	M.	S.	△ Deg	
13	Epc: 3.9°S, 140.1°E - H = 20h 29m 01.0s (USCGS) Depth = 33 Km. Mag. = ?						
	SHL	iP	20	38	33	CW	
13	SHL	ePg	21	06	26	E	1.0
		iSg		06	39		
13	NDI	iP	21	41	52		
13	Epc: 2.4°N, 126.8°E Molucca Passage. - H = 22h 28m 47.0s(USCGS) Depth = 63 Km. Mag. = 4.9 (CGS)						
	SHL	iP	22	38	04	CNW	
	DDI	e	22	38	04		
	NDI	eP	22	38	04		
		PP		40	23		
14	NDI	i	02	37	34		
14	NDI	i	02	44	50		
14	Epc: 14.9°S, 73.4°W - H = 03h 14m 17.5s (USCGS) Depth = 99 Km. Mag. = 5.6 (CGS)						
	POO	ePKP	03	33	51		
	BOM	ePKP	03	33	52	C	
		e		34	16		
	DDI	iPKP	03	33	53.7	D	
	KOD	iPKP	03	33	57.3	CN	
	SHL	iPKP	03	34	10	DSW	
14	KOD	iP	03	45	41	DSE	
14	Epc: 45.3°N, 136.9°E - H = 03h 46m 20.3s (USCGS) Depth = 360 Km. Mag. = 4.7 (CGS)						
	SHL	iP	03	53	31	DNE	
		PP		55	15		
	DDI	eP	03	54	24		
	NDI	iP	03	54	36	D	
	POO	eP	03	55	39		
14	SHL	iP	04	55	02	DN	
14	NDI	i	06	11	46		
14	Epc: 3.7°S, 131.1°E - H = 06h 15m 54.1s (USCGS) Depth = 33 Km. Mag. = 4.5 (CGS)						
	SHL	iP	06			DSE	

DATE	STN	PHASE	H.	M.	S.	△ Deg	
14	BOK	e	07	35	43		
14	BOK	e	08	08	25		
14	Epc: 47.5°N, 154.4°E. Kurile Islands. - H = 08h 05m 58.6s (USCGS) Depth = 5.3 (CGS) Mag. = 5.3 (CGS)4.4-4.8(BRK)						
	SHL	iP	08	15	14	CSW	
		i		22	18		
	CHA	iP	08	15	32	C	
	DDI	iP	08	15	56.3	C	
	NDI	iP	08	16	09	C	
	POO	iP	08	17	08.5	C	
	KOD	iP	08	17	30	DNE	
14	Epc: 47.5°N, 154.5°E. Kurile Islands. - H = 08h 13m 02.2s (USCGS) Depth = 53 Km. Mag. = 5.4 (CGS)						
	SHL	iP	08	22	18	S	
	CHA	iP	08	22	37	C	
	DDI	iP	08	22	59.8	C	
	NDI	iP	08	23	13	C	
	MDR	eP	08	24	09		
	POO	iP	08	24	12.5	C	
	BOM	eP	08	24	15		
		e		25	38		
		e		32	33		
	KOD	iP	08	24	34	D	
14	BOK	e	08	39	52		
14	BOK	e	09	03	28		
14	Epc: 46.5°N, 153.3°E. - H = 15h 35m 46.3s (USCGS) Depth = 33 Km. Mag. = 4.5 (CGS)						
	NDI	eP	15	45	55		
	POO	eP	15	46	52		
14	Epc: 33.3°N, 136.8°E. Near South Coast of Southern Honshu. - H = 17h 56m 36.2s (USCGS) Depth = 384 Km. Mag. = 4.1 (CGS)						
	POO	eP	18	05	49		
15	NDI	eP	03	54	03		
		e		55	15		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
15	DDI	eP	03	54	49		
		i		55	32		
	P00	e	03	58	20		
15	SHL	iPg	04	15	28	DE	1.2
		iSg		15	44		
15	BOK	e	07	51	06		
15	BOK	e	08	12	08		
15	NDI	eP	09	30	22		
15	BOK	e	10	37	22		
15	NDI	i	11	48	31.7		
15	Epc: 6.5°S, 154.5°E. Solomon Islands. - H = 14h 09m 42.9s (USCGS) Depth = 97 Km. Mag. = 5.0 (CGS)						
	SHL	iP	14	20	39	DSE	
15	Epc: 34.1°N, 32.5° E - H = 14h 56m 05.6s (USCGS) Depth = 62 Kms. Mag. = 5.0 (CGS)						
	NDI	iP	15	03	22		
	SHL	eP	15	05	15		
15	SHL	iPg	17	59	51	DE	1.0
		iSg	18	00	04		
15	PBA	iPg	19	33	06.0	D	0.4
		iSg		33	11.5		
15	Epc: 5.4°S, 153.0°E. New Ireland Region. - H = 20h 44m 47.9s (USCGS) Depth = 65 Km. Mag. = 5.0 (CGS)						
	SHL	iP	20	55	35	CNW	
	CHA	iP	20	56	04	D	
16	NDI	eP	04	24	47		6.8
		eS		26	06		
16	Epc: 4.9°S, 151.6°E - H = 06h 44m 28.2s (USCGS) Depth = 11 Km. Mag. = 4.7 (CGS)						
	SHL	iP	06	55	09	D	
16	BOK	e	07	48	11		
16	BOK	e	08	08	09		
		e		12	54		
16	Epc: 15.0°S, 75.6°W - H = 10h 01m 34.7s (USCGS) Depth = 22 Km. Mag. = 4.6 (CGS)						

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
16	P00	ePKP	10	21	28		
	NDI	iPKP	10	21	29.2		
		e		21	37		
16	SHL	iP	15	40	19		
16	Epc: 4.3°S, 152.1°E - H = 17h 14m 16.9s (USCGS) Depth = 155 Km. Mag. = 5.0 (CGS)						
	SHL	iP	17	34	46	DSE	
	NDI	eP	17	36	04		
16	SHL	iPg	19	21	17	DSW	1.1
		iSg		21	31		
	CHA	ePn	19	21	59		3.7
		eSn		22	44		
16	NDI	e	20	31	48		
16	Epc: 8.8°N, 77.6°W. Panama - Colombia Border Region. - H = 20h 23m 00.3s (USCGS) Depth = 78 Km. Mag. = 4.4 (CGS) Felt at BalBoa Heights.						
	SHL	iPKP	20	42	32	D	
17	Epc: 40.7°N, 89.6°E - H = 00h 19m 07.9s (USCGS) Depth = Mag. = 4.6 (CGS)						
	NDI	eP	00	22	51.5	D	
17	DDI	e	00	27	25		
17	NDI	e	01	16	24		
17	NDI	eP	02	05	36		
17	CHA	iP	02	25	10	D	
		i		26	21		
	NDI	e	02	27	06		
		i		27	13		
17	BOM	ePg	03	53	13		0.1
		eSg		53	15		
17	Epc: 58.3°S, 26.6°W. - H = 05h 00m 11.8s (USCGS) Depth = 140 Km. Mag. = 6.1 (CGS)						
	KOD	eP	05	14	16		106.4
		e		18	33		
		SKS		24	32		
		SKKS		25	20		
		eS		25	56		

JUNE 1967

DATE	STN	PHASE	H.	M.	S.		Δ Deg.	
17	GOA	ePkP	05	18	26		111.7	
		ePP		18	54			
		SKS		24	45			
		SKKS		25	41			
	POO	e	05	14	30			
		e		15	14			
		ePKP		18	29		111.8	
		ePP		19	08			
		SKS		24	52			
		SKKS		25	52			
	BOM	ePKP	05	18	32		112.3	
		PP		19	20			
		SKS		24	58			
	PBA	ePKP	05	18	37		115.8	
		iPP		19	32			
		SKS		25	12			
		SKKS		26	20			
		i		30	02			
	MDR	e	05	18	40			
		e		19	45			
		e		24	49			
		e		25	51			
		i		28	18			
	NDI	ePKP	05	18	47		119.8	
		iPP		20	16			
		SKS		25	26			
		SKKS		26	54			
		PS		30	00			
		SSS		41	05			
	BOK	ePKP	05	18	50		121.2	
		ePP		20	21			
		SKS		25	30			
		SKKS		26	59			
		SS		36	48			
	BHK	ePKP	05	18	52			
	DDI	ePKP	05	18	52	C		
		e		22	12			
	CHA	ePKP	05	18	57		125.0	
		PP		20	50			
		SKS		25	45			
		SKKS		27	27			
		iSS		37	35			
		i		38	36			
	SHL	eP	05	18	59	S	126.0	
		iPP		20	54			
		e		21	55			
		SKS		25	46			
		SKKS		27	32			
		PS		30	45			
		SSP		37	42			
	CAL	i	05	20	29			
17	NDI	i	07	03	14.3			

DATE	STN	PHASE	H.	M.	S.		Δ Deg.	
17	POO	eP	08	11	34			
17	BOK	e	08	31	23			
17	BHK	ePg	10	50	20		1.0	
				50	21.8			
		iSg		50	32.9			
	DDI	eP	10	50	40.9		2.6	
		eS		51	12.8			
	NDI	ePn	10	50	57.0		3.6	
		iPg		51	09.5		Mag.= 4.0	
		iSn		51	40.5			
		S*			48.0			
17	POO	eP	10	53	16			
17	SHL	iP	12	32	35	CSW	3.7	
		iS		33	20			
17	Epc: 23.1N, 94.7°E							
	- H = 13h 14m 05.0s (USCGS)							
	Depth = 120 Km.							
	Mag. = 4.5 (CGS)							
	SHL	iPn	13	14	57	DSE	3.0	
		iSn		15	33			
		i		16	19			
	CHA	iP	13	15	54.0	C	7.2	
		eS		17	15.0			
	BOK	eP	13	15	59			
	NDI	eP	13	17	53			
		i		20	41			
	POO	e	13	21	00			
17	NDI	e	18	03	06			
		e		06	26			
17	EPC: 55.0°S, 126.6°W							
	- H = 17h 55m 19.4s (USCGS)							
	Depth = 33 Km.							
	Mag. = 4.5 (CGS)							
	NDI	ePKP	18	15	10			
18	EPC: 35.2°N, 87.6°E							
	- H = 01h 20m 21.6s (USCGS)							
	Depth = 33 Km.							
	Mag. = 3.9 (CGS)							
	CHA	iP	01	22	28	D	8.9	
		s		24	09			
	DDI	eP	01	22	47			
		i		25	44.0			
	SHL	eP	01	22	51		10.2	
		eS		24	46			
18	NDI	eP	01	23	00		11.1	
		eS		25	05			
18	BOK	e	01	26	48			
18	BOM	e	01	31	-			

JUNE 1967

DATE	STN	PHASE	G. M. T.	Δ Deg.	
18	MDR	e	01 33 30		
18	KOD	eP	01 34 28		CNW
		e	33 36		
18	Epc: 36.8°N, 29.5°E. TURKEY - H = 05h 28m 54.1 (USCGS) Depth = 43 Km. Mag. = 4.8 (CGS).				
	NDI	eP	05 36 32		
	BOK	e	05 50 49		
18	SHL	eP	07 55 38	S	2.0
		iS	56 04		
18	NDI	[illegible]	08 55 30.8		
18	NDI	iP	09 37 12.0	CS	9.1
		iS	38 55.8		
18	SHL	iPg	11 04 38	DS	0.8
		iSg	04 49		
18	BHK	i	11 51 22.3		
18	SHL	eP	12 32 43		
18	Epc: 4.0°S, 81.1°W Near Coast of Northern Peru, - H = 13h 10m 54.3s (USCGS) Depth = 58 Km. Mag. = 4.3 (CGS)				
	NDI	ePKP	13 30 35		
18	Epc: 37.4N, 71.9 E, - H = 16h 39m 11.7s (USCGS) Depth = 83 Km. Mag. = 5.0 (CGS)				
	DDI	eP	16 41 16		8.4
		eS	42 49		
	NDI	eP	16 41 30		9.1
		iS	43 11		Mag. 5.3
	CHA	iP	16 43 01	C	16.4
		eS	45 59		
	POO	eP	16 43 30		
	SHL	iP	16 43 49		CNE
	BOK	eS	16 46 25		
18	NDI	iPg	17 10 19.5	SEC	0.63
		iSg	10 27.7		
18	NDI	iPg	19 02 17.5	CE	0.3
		iSg	02 21.0		
18	NDI	e	19 10 44		
18	Epc: 3.9°S, 151.6°E. NEW IRELAND REGION - H = 20h 04m 56.7s (USCGS) Depth = 301 Km. Mag. = 4.9 (CGS)				
	SHL	iP	20 15 08		DSE
	CHA	iP	20 15 35		D
	KOD	iP	20 16 10.5		DSE
	DDI	iP	20 16 24.5		
	NDI	iP	20 16 25		DSE
	POO	eP	20 16 33		
19	SHL	iP	06 28 27		D
19	SHL	iP	07 39 03		C
19	BOK	e	09 08 43		
19	Epc: 12.2°N, 126.2°E, - H = 12h 42m 43.2s (USCGS) Depth = 35 Km. Mag. = 5.2 (CGS)				
	SHL	iP	12 49 33.0		D
	KOD	iP	12 51 20.5		CSW
	DDI	iP	12 51 23.6		C
19	Epc: 20.6°N, 38.4°E. RED SEA - H = 14h 35m 20.2s (USCGS) Depth = 35 Km. Mag. 4.5 (CGS)				
	NDI	eP	14 42 22		
	CHA	eP	14 43 37		
	SHL	eP	14 44 07		
19	Epc: 28.0°S, 66.4°W. CATAMARCA PROVINCE, ARGENTINA. - H = 15h 07m 49.9s (USCGS) Depth = 163 Kms. Mag. = 4.4 (CGS)				
	DDI	ePKP	15 27 22		
19	Epc: 52.7°N, 166.9°W. FOX Islands. Aleutian Islands. - H=17h 07m 45.4s (USCGS) Depth = 33 Km. Mag. = 5.7 (CGS), 6 (Pas), 6.3 - 6.5 (BRK), 5¾-6(PAL) 5¾-6(GOL)				
	SHL	iP	17 19 32.0	DNE	77.2
		iS	29 17		
	CHA	iP	17 19 43.0	CSW	79.2
		eS	29 39		
	DDI	eP	17 19 51		
		i	30 18		
	BOK	iP	17 20 01.0		80.2
		eS	30 02		
		SKS	30 10		

DATE	STN	PHASE	G. M. T.		Δ Deg.
	NDI	iP	17 20 02	CSW	80.4
		PcP	20 14		
		PP	23 12		
		eS	30 04		
		SKS	30 16		
		SCS	30 26		
	VIS	eP	17 20 32		86.0
		eS	31 02		
	POO	eP	17 20 50		92.8
		PP	24 32		
		SKS	31 20		
		[illegible]S	31 50		
		ScS	32 00		
19	BOM	eP	17 20 52		
		e	31 53		
		e	32 04		
19	MDR	eP	17 20 58		
		e	31 32		
	KOD	iP	17 21 16.0	DNE	
		e	29 18.5		
19	Epc: 10.4°S, 104.9°E				
	- H = 18h 07m 06.8s (USCGS)				
	Depth = 33 Km.				
	Mag. = 4.9 (CGS).				
	SHL	iP	18 14 22	CNW	
	CHA	iP	18 14 48		
	NDI	eP	18 15 36		
		i	15 57		
19	Epc: .3[illegible]°S, 122.8°E				
	- H = 18h 30m 08.4s (USCGS)				
	Depth = 147 Km.				
	Mag. = 4.9 (CGS)				
	SHL	iP	18 37 24	CNW	
19	SHL	eP	19 02 37		
19	SHL	eP	21 48 17		
19	Epc: 31.7°S, 69.1°W. SAN JUAN PROVINCE, ARGENTINA				
	- H = 22h 09m 02.5s (USCGS)				
	Depth = 111 Km.				
	Mag. = 4.4 (CGS).				
	NDI	iPKP	22 28 43		
19	NDI	ePg	23 17 47.0		1.39
		iSg	18 05.3		
19	BOM	iPg	23 25 56	C	0.3
		iSg	26 03		
19	POO	iPg	23 26 06.7	D	0.8
		iSg	26 16.7		
19	KOD	eP	23 29 34	DSW	
19	MDR	e	23 30 18		
		e	30 26		
19	NDI	ep	23 30 31.0		
		i	31 14.5		
20	NDI	eP	02 31 09.0		
		i	32 20.5		
	DDI	i	02 32 57.7		
20	Epc: 52.8°N, 167.1°W				
	- H = 05h 25m 22.4s (USCGS)				
	Depth = 31 Km.				
	Mag. = 4.5 (CGS).				
	DDI	iP	05 37 29.4	C	
	NDI	iP	05 37 38.0	C	
20	Epc: 52.7°N, 166.9°W. Fox Islands Aleutian Islands.				
	- H = 06h 20m 49.5s (USCGS)				
	Depth = 9 Km.				
	Mag. = 4.5 (C.G.S)				
	DDI	eP	06 32 58.7	C	
	NDI	eP	06 33 08		
20	Epc: 52.8°N, 167.1°W. Fox Islands. Aleutian Islands.				
	- H = 07h 38m 44.9s (USCGS)				
	Depth = 11 Km.				
	Mag. 5.2 (CGS)				
	4.5-5.0(BRK), 5.5 (PAL)				
	SHL	iP	07 50 34	C	76.2
		iS	08 00 18		
		ScS	00 30		
		PS	01 02		
		SS	05 23		
	CHA	iP	07 50 46	C	
	DDI	eP	07 50 54		
		i	08 01 19		
	BOK	eP	07 51 03		81.2
		eS	08 01 13		
		SKS	01 21		
		PS	01 55		
		PPS	02 08		
	NDI	iP	07 51 03.0	CSW	82.6
		i	51 14.5		
		eS	01 13		
		SKS	01 21		
	POO	eP	07 51 54		
		e	08 02 36		
	BOM	e	08 01 57		
20	NDI	i	11 21 36		
20	NDI	e	11 21 51		
20	SHL	iPg	11 33 50	DNW	0.96
		eSg	34 02		

DATE	STN	PHASE	G. M. T.		Δ Deg.
20	Epc: 25.3°N, 96.1°E				
	- H = 11h 46m 50.5s (USCGS)				
	Depth = 142 Km.				
	Mag. = 4.1 (CGS)				
	SHL	iP	11 47 48	CSW	3.4
		iS	48 27		
	CHA	eP	11 48 46		7.7
		eS	50 11		
	BOK	eP	11 49 01		
	NDI	eP	11 50 42		16.6
		eS	53 40		
	POO	e	11 55 30		
20	DDI	i	12 23 47		
20	Epc: 52.8°N, 166.9°W				
	- H = 12h 25m 50.2s (USCGS)				
	Depth = 11 Km.				
	Mag. = 4.6 (CGS)				
	NDI	eP	12 38 09	C	
	SHL	iPg	14 17 55	CNE	1.3
		eSg	18 12		
	CHA	eP	14 18 27		
		e	19 16		
	BOK	e	14 18 45		
	NDI	e	14 21 33		
20	CHA	iPg	20 29 30.3	D	1.5
		Sg	29 50.1		
21	Epc: 2.2°S, 77.6°W,				
	- H = 06h 49m 56.6 (USCGS)				
	Depth= 49 Km.				
	Mag. = 5.3 (CGS)				
	NDI	ePKP	07 09 28		
	DDI	iPKP	07 09 30.6	C	
	POO	ePKP	07 09 44		
	SHL	ePKP	07 09 47		
	KOD	iPKP	07 10 02	D	
21	BOK	e	08 44 38		
21	BOK	e	08 58 04		
21	BOK	e	09 19 18		
21	CHA	i	11 52 59		
	SHL	eP	11 53 22	S	17.3
		iS	56 34		
	NDI	e	11 53 34		
21	Epc: 12.7°N, 123.1°E				
	- H = 15h 45m 28.3s (USCGS)				
	Depth = 56 Km.				
	Mag. = 5.2 (CGS)				
	SHL	iP	15 51 49	DSE	
	CHA	iP	15 52 29	C	
	BOK	eP	15 52 34		37.4
		PP	54 00		
		PCP	54 49		
		iS	58 17		
		PCS=SCP	58 40		
	VIS	eP	15 52 53		
		e	53 37		
	MDR	eP	15 53 20		
	DDI	eP	15 53 39	C	44.9
		eS	16 00 12		
	NDI	eP	15 53 40		45.0
		eS	16 00 14		
		ScS	03 36		
	POO	eP	15 54 07		46.1
		eS	16 00 53		
21	Epc: 22.5°N, 144.0°E				
	- H = 16h 51m 06.3 (USCGS)				
	Depth = 94 Km.				
	Mag. 4.9 (CGS)				
	SHL	iP	16 59 33	CW	
	CHA	iP	17 00 06	C	
	NDI	iP	17 01 03.5		
	POO	eP	17 01 39		
21	Epc: 64.8°N, 147.4°W				
	- H = 18h 04m 49.5s (USCGS)				
	Depth = 17 Km.				
	Mag. = 5.4 (CGS).				
	DDI	iP	18 16 51.5	D	
		iPP	19 52		
	SHL	iP	18 16 54	CSW	
	CHA	iP	18 16 57	C	
	NDI	iP	18 17 02		59.8
		eS	27 12		
	POO	eP	18 17 44		
21	NDI	eP	18 21 51		9.7
		eS	23 42		
	BHK	eP	18 21 52		
		ePP	22 52		
		e	23 33		
	CHA	eP	18 23 35		
		i	25 15		
	SHL	iP	18 24 18	CS	
21	Epc: 64.8°N, 147.4°W				
	- H = 18h 13m 02.9s (USCGS)				
	Depth = 17 Km.				
	Mag. = 5.6 (CGS)				

DATE	STN	PHASE	G. M. T.	Δ Deg.
21	NDI	eP	18 25 14	81.2
		eS	35 24	
21	P00	eP	18 26 10	
21	Epc: 64.8°N, 147.4°W - H = 18h 24m 45.7s (USCGS) Depth = 17 Km. Mag. = 5.4 (CGS)			
	SHL	iP	18 36 49	D
	CHA	iP	18 36 53	
	NDI	e	18 37 58	
21	SHL	eP	19 12 35	
	CHA	eP	19 13 19	
	NDI	e	19 17 38	
		i	17 59	
		e	18 00	
21	SHL	iPg	19 21 43	DSW 1.1
		iSg	21 57	
21	NDI	e	19 28 03	
21	Epc: 25.2S, 70.5 W - H = 20h 09m 28.4 (USCGS) Depth = 23 Km. Mag. = 5.0 (CGS)			
	BOM	ePKP	20 29 06	
	P00	ePKP	20 29 10	D
	MDR	eP	20 29 16	
	NDI	ePKP	20 29 16	
		ePP	33 02	150.3
		e	47 30	
	DDI	ePKP	20 29 17	
	BHK	ePKP	20 29 22	
	BOK	iPKP	20 29 28.0	
	CHA	ePKP	20 29 28	
	SHL	ePKP	20 29 32	
21	NDI	iP	20 37 19.5	7.9
		eS	38 51	
21	KOD	i	20 44 11	
22	NDI	iP	01 40 48.5	8.2
		eS	42 23	
22	CHA	iP	04 02 03.4	D
		i	02 28.7	
22	SHL	iP	07 24 30	CSE
22	CHA	eP	08 25 27	2.5
		eS	25 59	
22	BOK	e	09 07 24	
22	CHA	eP	09 56 30	

DATE	STN	PHASE	G. M. T.	Δ Deg.
22	BOK	e	12 50 57	
22	Epc: 27.7°S, 67.8°W - H 12h 15m 36.6s (USCGS) Depth = 153 Km. Mag. = 4.0 (CGS)			
	NDI	ePKP	12 33 09	
22	Epc: 2.3°S, 77.6°W - H = 13h 49m 48.7s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS).			
	NDI	ePKP	14 09 37	
22	Epc: 7.8°S, 147.3°E, - H 15h 35m 20.4s (USCGS) Depth = 32 Km. Mag. = 5.4 (CGS)			
	SHL	eP	15 45 49	
22	Epc: 51.7°N, 176.8°W - H = 15h 36m 38.9s (USCGS) Depth = 54 Km. Mag. = 5.3 (CGS).			
	SHL	iP	15 47 53	DNE
	CHA	iP	15 48 06	C
	NDI	eP	15 48 27	
	P00	eP	15 49 19	
22	Epc: 1.3°S, 149.8°E - H = 19h 08m 33.5s (USCGS) Depth = 34 Km. Mag. = 5.0 (CGS)			
	SHL	iP	19 18 55	DSE
	CHA	eP	19 19 24	
	KOD	iP	19 20 04	D
	NDI	iP	19 20 16	
		eS	29 54	75.8
	P00	eP	19 20 27	
22	CHA	iPg	21 21 32.4	
22	CHA	iPg	21 24 44.7	
22	NDI	i	21 47 29	
23	SHL	iP	03 15 52	DNW 2.5
		iS	16 24	
23	Epc: 5.8°S, 130.5°E, - H = 05h 05m 04.8s(USCGS) Depth = 85 Km. Mag. = 5.9 (CGS)			
	SHL	iP	05 13 43	CNW 48.8
		iS	20 35	
	VIS	iP	05 14 09	DE

DATE	STN	PHASE	G. M. T.	Δ Deg.	
	BOK	iP	05 14 10	W	
	MDR	iP	05 14 17	E	
	CHA	iP	05 14 18		
	KOD	iP	05 14 31	DSE	
	POO	iP	05 15 09.5	C	
	NDI	iP	05 15 14.5	CNW	61.6
		iS	23 25		
	DDI	iP	05 15 15.8	C	
		e	16 24		
	BHK	iP	05 15 27.8	C	
23	CHA	i	06 17 14		
23	DDI	iP	07 13 09.6	C	7.8
		eS	14 40		
	NDI	iP	07 13 26.5	CSE	8.8
		iS	15 07.0		
23	NDI	iP	07 14 08.5		
	SHL	iP	07 15 23	DNW	
23	BOK	e	08 00 39		
23	BOK	e	09 10 01		
23	BOK	e	08 45 32		
23	SEH	i	09 09 28		
23	SHL	iPg	09 27 01	CNE	1.4
		iSg	27 19		
23	Epc: 40.8°N, 33.6°E - H = 10h 06m 54.1s (USCGS) Depth = 14 Km. Mag. = 4.5 (CGS)				
	NDI	eP	10 14 08		
23	KOD	iP	10 45 42.0	CNE	
23	CHA	iP	11 07 27	C	
23	DDI	eP	12 06 34.5		
		e	07 13		
	NDI	ePn	12 06 43	DE	3.1
		iPg	06 54.5	Mag.=	4.5
		eSn	07 21		
	BHK	ePn	12 07 07.3	C	4.5
		Sn	08 01.5		
		S*	08 15.9		
	SEH	iP	12 07 37		
		i	08 55		
	BOK	e	12 07 41		
	SHL	iP	12 08 23	CNE	
	POO	eP	12 08 50		
	BOM	eP	12 08 52		12.4
		eS	11 12		
	VIS	e	12 10 47		
	CAL	i	12 11 16		
	KOD	iP	12 13 48		
	CHA	iP	17 54 04		
23	SHL	iPg	18 47 35	DSE	0.9
		iSg	47 47		
23	Epc: 36.6°N, 71.1°E - H = 18h 50m 17.2s (USCGS) Depth = 205 Km. Mag. = 4.2 (CGS)				
	DDI	eP	18 52 20		8.6
		iS	53 56		
23	NDI	iP	18 52 29.3	CSE	8.8
		iS	54 07		
	SHL	iP	18 54 47		
	POO	e	18 58 15		
23	NDI	e	20 01 24		
		e	01 57		
23	SHL	iP	20 41 52	CSW	
23	Epc: 19.2°S, 167.7°E - H = 21h 30m 11.5s (USCGS) Depth = 37 Km. Mag. = 5.3 (CGS)				
	SHL	iP	21 42 1.0	DSE	
24	SHL	iPg	01 01 11	D	1.4
		iSg	01 29		
24	SHL	iP	04 15 55	DN	1.6
		iS	16 17		
24	NDI	e	04 37 19		
24	NDI	e	04 38 04		
24	NDI	e	05 02 18		
24	SHL	iPg	07 18 54	DNW	0.5
		iSg	19 01		
24	BOK	e	08 04 40		
24	Epc: 14.3°N, 92.6°W - H 1 07h 51m 46.5s (USCGS) Depth = 91 Km. Mag. = 4.6 (CGS).				
	NDI	ePKP	08 11 02		
24	BOK	e	09 09 32		
24	SEH	i	12 04 05		
		i	05 24		
		i	09 12		

DATE	STN	PHASE	G. M. T.		Δ Deg.
[illegible]	[illegible]DI	eP	16 22 23		9.5
		iS	24 12		
	NDI	eP	16 22 43		10.9
		eS	[illegible] 47		
24	Epc: 11.4°N, 125.9°E - H = 16h 35m 32.0s (USCGS) Depth = 72 Km. Mag. = 4.8 (CGS)				
	SHL	iP	16 4[illegible] [illegible].0		
	DDI	eP	16 39 27		
		e	52 19		
24	NDI	eP	16 50 46		10.7
		eS	52 47		
24	NDI	e	18 01 40		
24	DDI	e	18 27 07		
		e	27 12		
		e	27 18		
		e	27 33		
		e	27 38		
24	SHL	iPg	20 00 48	CS	0.1
		iSg	00 49		
24	SHL	[illegible]	20 10 53		
24	Epc: 12.5°N, 141.6°E - H = 21h 00m 23.9s (USCGS) Depth = 18 Km. Mag. = 5.5 (CGS)				
	SHL	iP	21 09 09.0	DSE	48.5
		iS	16 10		
	[illegible]	iP	21 09 41	D	
		i	11 [illegible]		
	[illegible]	iP	21 09 49		
	[illegible]	[illegible]	21 10 10	CW	
	MDR	eP	21 10 32		60.5
		eS	13 47		
	NDI	iP	21 10 38.8	D	
	[illegible]	iP	[illegible] 10 43	DE	61.8
		eS	19 06		
	P00	iP	21 11 05.4	D	
	BOM	iP	21 11 12	DE	67.3
		eS	20 07		
	Epc: [illegible]°S, 147.3°E - H = 21h 35m 56.4s (USCGS) Depth = 52 Km. Mag. = 4.9 (CGS)				
	SHL	iP	21 46 06	DE	
24	CHA	iP	21 48 16	D	

DATE	STN	PHASE	G. M. T.		Δ Deg.
24	NDI	iP	[illegible]		[illegible].2
		[illegible]	[illegible]		
25	Epc: 46.7°N, 152.5°E - H = 00h 54m 39.7s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)				
	SHL	iP	01 03 40	CSW	
	NDI	iP	01 04 36.8		
	P00	eP	01 05 36		
	NDI	e	02 41 08		
		e	41 44		
25	DDI	eP	03 46 47		
25	NDI	eP	03 46 56		8.7
		eS	48 36		
25	Epc: 23.7°N, 121.9°E - H = 04h 52m 27.4s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)				
	SHL	iP	04 58 14	D	
	CHA	eP	04 58 48		
	NDI	eP	05 00 01		
25	SHL	iP	08 41 11	DN	2.1
		iS	41 38		
25	Epc: 3.2°S, 147.2°E - H = 11h 25m 58.9s (USCGS) Depth = 49 Km. Mag. = 5.0 (CGS)				
	SHL	eP	11 36 07		
	NDI	eP	11 37 33		
25	Epc: 7.5°S, 128.1°E - H = 11h 31m 12.6s (USCGS) Depth = 146 Km. Mag. 1 5.1 (CGS)				
	SHL	iP	11 39 40	DSE	
	NDI	iP	11 41 09		
	NDI	e	12 49 21		
25	NDI	e	12 55 11		
25	Epc: .9°S, 145.4°E - H = 13h 28m 3.8s (USCGS) Depth =43 Km. Mag. 1 5.1 (CGS).				
	SHL	iP	13 37 55	DSE	
25	SHL	iPg	14 10 33	DSW	0.3
		iSg	10 37		
25	NDI	ePn	14 23 13		2.1
		eSn	23 41		

DATE	STN	PHASE	G. M. T.	Δ Deg.	
25	Epc: 33.3°N, 137.9°E. Near S. Coast of Southern Honshu - H = 14h 26m 47.8s (USCGS) Depth = 338 Km. Mag. = 4.4 (CGS)				
	SHL	iP	14 33 56		CSW
	NDI	iP	14 35 20		
	POO	eP	14 36 10		
25	NDI	e	15 57 48		
		e	58 09		
		e	58 21		
		e	16 00 08		
		e	00 22		
25	NDI	eP	16 47 23	10.2	
		eS	49 19		
25	NDI	iP	18 53 23		
25	SHL	iP	19 08 11		CNW
25	DDI	eP	19 11 55		
		i	12 57		
	NDI	ePn	19 12 05	3.15	
		Pg	12 17		
		iSn	12 44		
25	POO	eP	19 16 24		
25	SHL	iP	20 04 34		CSW
25	Epc: 33.4°N, 141.4°E. Off East Coast of Honshu,Japan. - H = 21h 27m 41.8s (USCGS) Depth = 59 Km. Mag. = 4.6 (CGS)				
	SHL	iP	21 35 38		DE
	NDI	eP	21 37 03		
25	Epc: 12.4°N, 141.8°E. South of Mariana Islands. - H = 23h 18m 04.3s (USCGS) Depth = 42 Km. Mag. = 5.6 (CGS)				
	SHL	iP	23 26 47		DNE 48.8
		iS	33 45		
	CAL	eP	23 27 11		
	CHA	iP	23 27 19.0		D
	BOK	iP	23 27 28		E 54.8
		iS	35 03		
		SS	38 50		
		SSS	40 37		
	VIS	eP	23 27 45		
25	MDR	eP	23 28 08		
		e	36 25		
25	DDI	eP	23 28 17		
25	NDI	eP	23 28 20		C 62.3
		eS	36 41		
	KOD	iP	23 28 29		D
	POO	eP	23 28 44		
26	NDI	e	00 30 38		
26	Epc: 24.8°N, 121.6°E - H = 02h 48m 31.5s (USCGS) Depth = 29 Km. Mag. = 4.4 (CGS)				
	SHL	iP	02 54 13		D
	NDI	eP	02 56 03		
26	NDI	e	04 25 59		
		e	26 18		
		e	26 35		
26	Epc: 45.0°N, 147.3°E - H = 04h 53m 43.5s (USCGS) Depth = 88 Km. Mag. = 4.2 (CGS)				
	NDI	iP	05 03 31.5		
26	NDI	e	06 03 09		
26	NDI	eP	07 12 36		
26	MDR	e	08 58 20		
		e	58 24		
26	NDI	e	10 00 23		
		i	00 32		
26	NDI	i	10 09 48		
26	Epc: 22.7°N, 93.9°E Burma-India Border region. - H = 12h 28m 03.7s (USCGS) Depth = 7 Km. Mag. = 4.7 (CGS)				
	SHL	iP	12 29 00		
	CHA	iP	12 29 55	7.4	
		iS	31 20		
	BOK	eP	12 29 55		
	CAL	i	12 30 08		
	NDI	eP	12 31 53		
		e	57		
		e	33 39		
	POO	e	12 32 49		
26	Epc: 5.8°S, 147.7°E. East New Guinea Region. - H = 14h 04m 23.9s (USCGS) Depth = 33 Km. Mag. = 5.3 (CGS)				

DATE	STN	PHASE	G. M. T.	Δ Deg.	
	SHL	eP	14 14 49		
	NDI	eP	14 16 19		
26	SHL	iP	14 36 55		CNW
26	NDI	i	15 33 19		
		i	40		
26	SHL	eP	16 25 13		NW
		i	25 40		
26	Epc: 7.2°S, 108.8°E - H = 20h 47m 04.4s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)				
	SHL	iP	20 54 09		CNW
26	Epc: .2°S, 123.0°E - H = 21h 27m 43.2s (USCGS) Depth = 186 Km. Mag. = 4.9 (CGS)				
	SHL	iP	21 34 57		DSW
	NDI	iP	21 36 36		
26	NDI	e	22 09 52		
27	SHL	iP	00 12 13		D
27	NDI	eP	03 35 30		7.3
		eS	36 54		
27	BHK	e	03 35 51		
27	NDI	e	05 05 21		
		e	05 29		
27	SHL	iP	05 09 45		CW
27	NDI	iP	07 32 49.5		CS
27	SHL	iP	09 27 20		DS
27	SHL	iP	09 31 49		DSW
27	NDI	Pg	11 50 18.0		9.37
		Sg	50 22.8		
27	SHL	iPg	19 52 52		DSW 1.1
		iSg	52 07		
27	Epc: 51.3°N, 180.0°W - H = 20h 32m 59.3s (USCGS) Depth = 26 Km. Mag. = 5.1 (CGS)				
	SHL	iP	20 44 07		DNE
	CHA	iP	20 44 19		D
	NDI	eP	20 44 43		
	POO	eP	20 45 35		
27	NDI	eP?	20 38 09		8.4
		eS	39 45		

DATE	STN	PHASE	G. M. T.	Δ Deg.	
27	Epc: 46.4°S, [illegible] - H = [illegible] Depth = [illegible] Mag. = [illegible] (CGS)				
	SHL	eP	21 49 [illegible]		
	NDI	eP	21 49 41		
	BOK	eS	21 58 16		
	PBA	iPg	22 59 23.0		C 0.6
		iSg	59 30.5		
27	Epc: 23.6°N, 121.5°E, TAIWAN -H = 23h 06m 47.0s (USCGS) Depth = 45 Km. Mag. = 4.8 (CGS)				
	SHL	iP	23 10 28		DNE
	CHA	iP	23 13 06		D
	NDI	iP	23 14 19		D
28	Epc: 9.5°S, 157.4°E - H = 00h 14m 54.5s (USCGS) Depth = 16 Km. Mag. 5.4 (CGS)				
	SHL	iP	00 26 03		CNW
	NDI	iP	00 27 17		C
28	KOD	e	01 06 24		
		i	06 25		
28	Epc: 46.0°N, 151.5°E. Kurile Islands. - H = 01h 10m 03.9s (USCGS) Depth = 33 Km. Mag. = 5.4 (CGS)				
	SHL	iP	01 19 06		CSW
	NDI	iP	01 20 05.1		CSW
28	KOD	iP	06 57 17		NW
28	SHL	eP	07 19 09		
28	BOK	e	07 53 04		
28	SHL	iP	12 49 49		DSE
28	NDI	eP	13 39 19		8.5
		eS	40 57		
28	Epc: 47.0°S, 165.8°E - H = 14h 34m 04.5s (USCGS) Depth = 37 Km. Mag. = 5.6 (CGS)				
	SHL	eP	14 47 39		
28	NDI	eP	16 21 [illegible]		
28	NDI	e	21 02 19		

DATE	STN	PHASE	G. M. T.		Δ Deg.
28	SHL	iP	22 01 25	DSW	
	CHA	ePn	22 01 53	D	3.5
		iP	02 00.6		
		iSn	02 37.8		
		iSg	02 47.3		
28	KOD	eP	23 05 24	CN	
28	Epc: 26.0°N, 123.6°E - H = 23h 07m 02.0s (USCGS) Depth = 284 Km. Mag. = 4.6 (CGS)				
	(please see page 23)				
	NDI	iP	23 14 20.5	D	
29	CHA	iP	03 01 17	D	
	DDI	iP	03 01 26.7	C	
	NDI	iP	03 01 45	SC	
	SHL	iP	03 02 37	CN	
29	Epc: 5.2°N, 82.7°W. - H = 02h 52m 50.1s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)				
	SHL	ePKP	03 12 35		
29	Epc: 8.7°S, 107.8°E - H = 04h 26m 04.1s (USCGS) Depth = 59 Km. Mag. = 5.2 (CGS)				
	SHL	iP	04 33 13	CS	
	POO	eP	04 34 00		
	NDI	eP	04 34 33		47.5
		eS	41 23		
29	Epc: 51.7°N, 177.0°W - H = 04h 53m 25.0s (USCGS) Depth = 58 Km. Mag. = 4.6 (CGS)				
	SHL	iP	05 04 39	C	
	NDI	eP	05 55 33		
29	Epc: 29.5°N, 138.9°E - H = 06h 09m 09.5s (USCGS) Depth = 453 Km. Mag. = 4.0 (CGS)				
	NDI	eP	06 17 41		
29	CHA	iPg	07 32 59.3	D	0.9
		Sg	33 10.8		
29	Epc: 41.6°N, 44.0°E - H = 08h 22m 47.9s (USCGS) Depth = 25 Km. Mag. = 4.9 (CGS)				
	NDI	eP	08 28 56		
	CHA	iP	08 30 09	D	
	SHL	iP	08 30 42	C	
29	BOK	e	09 40 35		
29	NDI	iP	12 23 09	CE	
		e	24 37		
	DDI	eP	12 23 14		
		e	25 12		
	POO	e	12 27 50		
29	Epc: 7.2°S, 128.6°E - H = 16h 36m 15.7s (USCGS) Depth = 121 Km. Mag. = 5.4 (CGS)				
	SHL	iP	16 44 48	CNW	
	VIS	eP	16 45 08		
	MDR	eP	16 45 16		
	KOD	iP	16 45 26.5	CW	
	POO	eP	16 46 09		
	NDI	iP	16 46 17.0	CNW	60.5
		eS	54 20		
29	DDI	eP	16 46 19	C	
29	Epc: 21.5°S, 68.6°W - H = 18h 45m 34.4s (USCGS) Depth = 122 Km. Mag. = 4.4 (CGS)				
	NDI	ePKP	19 05 05		
29	NDI	e	19 39 17		
29	NDI	eP	19 53 04		0.8
		eS	54 36		
29	NDI	ePn	21 08 07		2.13
		eSg	08 41		
29	Epc: 39.6°N, 89.3°E - H = 23h 46m 48.8S (USCGS) Depth = 33 Km. Mag. = 4.2 (CGS)				
	NDI	eP	23 50 10		
	SHL	iP	23 50 10	DN	
30	SHL	iPg	00 14 59	CNE	0.5
		iSg	15 05		
30	POO	eP	06 15 59		
30	BOK	e	08 35 43		
30	BOK	e	08 39 24		
30	BOK	e	09 02 36		
30	BOK	e	09 33 49		
30	BOK	e	09 35 51		
30	NDI	eP	10 42 33		

DATE	STN	PHASE	G. M. T.	Δ Deg.
	DDI	e	10 44 43	
30	KOD	eP	12 30 05	DN
30	POO	eP	13 10 43	
30	SHL	iPg	13 41 37	DSW 0.6
		iSg	41 46	
30	SHL	iP	19 40 43	CNE
30	SHL	iPg	21 39 42	DSW 1.2
		iSg	39 58	

---

from page 7 :-

08 Epc: 11.3°S, 76.9°W
- H = 18h 10m 00.4s (USCGS)
Depth = 145 Km.
Mag. = 4.3 (CGS)

	NDI	ePKP	18 29 41	
08	PBA	iPg	20 11 02.8	1.2
		iSg	11 17.8	
08	SHL	eP	20 56 38	
	NDI	eP	20 57 55	

from page 22.....

28	SHL	iP	23 12 35	DNE
	CHA	iP	23 13 11.1	D

from page 9....

11	PBA	iPg	17 56 22.4	0.3
		iSg	56 26.9	

MICROSEISMIC TABULATION

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: Bokaro				
01	00	3	0.3	4.1
	06	3	0.3	4.1
	12	3	0.2	3.6
	18	3	0.2	3.2
02	00	3	0.2	3.4
	06	3	0.3	3.6
	12	3	0.3	4.0
	18	3	0.3	4.2
03	00	3	0.3	3.6
	06	3	0.3	3.8
	12	3	0.3	4.0
	18	3	0.3	4.0
04	00	3	0.3	3.8
	06	3	0.3	3.6
	12	3	0.3	4.2
	18	3	0.3	4.3
05	00	3	0.3	4.4
	06	3	0.3	4.4
	12	3	0.3	4.3
	18	3	0.3	4.0
06	00	3	0.3	4.1
	06	3	0.3	4.2
	12	3	0.3	4.2
	18	3	0.3	4.5
07	00	3	0.3	4.0
	06	3	0.3	4.4
	12	3	0.3	4.2
	18	3	0.3	3.4
8	00	3	0.3	3.8
	06	3	0.3	4.1
	12	3	0.3	3.9
	18	3	0.3	4.0
09	00	3	0.3	4.2
	06	3	0.3	3.8
	12	3	0.3	3.4
	18	3	0.7	3.5
10	00	3	0.5	3.3
	06	3	0.3	3.7
	12	3	0.3	3.8
	18	3	0.3	4.0
11	00	3	0.3	4.4
	06	3	0.5	4.8
	12	3	0.5	5.1
	18	3	0.4	5.1
12	00	...	-	-
	06	3	0.5	4.8
	12	3	0.5	4.7
	18	3	0.5	5.0
13	00	...	-	-
	06	3	0.5	5.0
	12	3	0.5	4.8
	18	3	0.5	4.9
14	00	3	0.4	4.8
	06	3	0.3	4.7
	12	3	0.3	4.3
	18	3	0.5	2.7
15	00	3	0.4	3.4
	06	3	0.4	5.0
	12	3	0.4	4.9
	18	3	0.4	5.2
16	00	3	0.4	5.2
	06	3	0.6	5.5
	12	3	0.5	5.5
	18	3	0.6	5.6
17	00	3	0.5	5.2
	06	...	-	-
	12	3	0.4	5.5
	18	3	0.5	5.2
18	00	3	0.4	5.3
	06	3	0.4	4.7
	12	3	0.4	4.7
	18	3	0.5	4.8
19	00	3	0.4	4.6
	06	3	0.3	4.3
	12	3	0.3	4.4
	18	...	-	-
20	00	3	0.3	4.7
	06	3	0.3	4.8
	12	3	0.3	4.8
	18	3	0.4	5.1
21	00	3	0.4	5.1
	06	3	0.6	5.2
	12	...	-	-
	18	3	0.5	5.4
22	00	3	0.5	5.1
	06	3	0.5	4.7
	12	3	0.5	5.1
	18	3	0.5	5.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : Bokaro contd...				
23	00	3	0.5	5.2
	06	3	0.5	4.7
	12	3	0.5	4.8
	18	3	0.5	5.4
24	00	3	0.5	5.1
	06	3	0.5	4.8
	12	3	0.5	4.8
	18	3	0.5	4.7
25	00	3	0.5	4.9
	06	3	0.5	4.6
	12	3	0.5	4.9
	18	3	0.5	4.8
26	00	3	0.5	4.9
	06	3	0.5	4.9
	12	3	0.5	5.2
	18	3	0.5	5.4
27	00	3	0.5	5.4
	06	3	0.6	5.1
	12	3	0.7	5.6
	18	3	0.7	5.6
28	00	3	0.6	5.6
	06	3	0.7	5.3
	12	3	0.8	5.5
	18	3	1.0	5.8
29	00	3	0.9	5.4
	06	2	1.1	5.9
	12	2	1.5	6.1
	18	2	1.2	4.8
30	00	2	1.1	5.9
	06	2	1.4	5.6
	12	2	1.3	5.5
	18	2	1.1	6.2
Station : Bombay (Colaba)				
01	00	3	0.4	3.0
			0.2	1.8
	06	3	0.5	3.0
			0.2	2.0
	12	3	0.5	2.9
			0.2	1.9
	18	3	0.4	2.9
			0.2	1.9
02	00	3	0.5	3.0
			0.2	1.8
	06	3	0.4	3.1
			0.3	2.2
	12	3	0.5	3.1
			0.2	2.0
	18	3	0.5	3.1
			0.2	2.1

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: Bombay (Colaba)				
03	00	3	0.5	3.1
			0.2	2.0
	06	3	0.6	3.2
			0.3	2.3
	12	3	0.7	3.6
			0.3	2.2
	18	3	0.9	3.7
			0.3	2.7
04	00	3	0.9	3.9
			0.4	3.0
			0.2	1.7
	06	3	0.9	3.8
			0.3	2.9
	12	3	0.7	3.8
			0.2	2.0
	18	3	0.9	3.8
			0.4	3.0
05	00	3	0.8	3.8
			0.2	2.0
	06	3	0.9	3.8
			0.3	2.0
	12	3	0.9	3.8
			0.3	2.0
	18	3	0.9	3.7
			0.4	3.0
			0.2	1.8
06	00	3	0.8	3.6
			0.3	2.2
	06	3	0.8	3.7
			0.2	2.0
	12	3	0.8	3.4
			0.3	2.1
	18	3	0.7	3.4
			0.3	2.2
07	00	3	0.7	3.6
			0.3	2.1
	06	3	0.8	3.6
			0.2	2.0
	12	3	0.9	3.7
			0.4	2.9
			0.2	1.8
	18	3	0.9	3.8
			0.3	2.0
08	00	3	0.8	3.8
			0.3	2.0
	06	3	0.5	3.0
			0.2	2.0
	12	3	0.5	3.3
			0.2	2.0
	18	3	0.8	3.5
			0.5	2.9
09	00	3	0.7	3.6
			0.2	2.0
	06	3	0.9	3.7
			0.3	2.0

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Bombay (Colaba) contd...				
09 Contd.	12	3	0.9	3.7
			0.4	3.0
			0.2	1.9
	18	3	0.7	3.6
			0.3	2.0
10	00	3	0.9	3.9
			0.2	2.1
	06	3	0.9	4.0
			0.3	2.0
	12	Loss of Record		
	18	3	0.9	4.0
			0.4	3.0
11	00	3	1.1	4.3
			0.2	2.0
	06	3	1.0	4.3
			0.2	2.0
	12	3	1.1	4.4
			0.4	3.2
	18	3	1.0	4.2
			0.3	1.9
12	00	3	1.1	4.2
			0.5	2.6
	06	Surface waves		
	12	3	1.4	5.0
			0.9	4.0
	18	3	1.4	5.0
			0.9	3.9
			0.3	2.2
13	00	Shock in progress		
	06	3	1.1	4.9
			0.9	3.8
	12	3	1.0	4.7
			0.8	3.6
			0.2	2.0
	18	3	1.1	4.6
			0.6	3.8
			0.2	2.1
14	00	3	1.3	5.0
			0.7	3.8
	06	3	1.1	4.8
			0.6	4.0
	12	3	1.0	4.6
			0.6	3.8
	18	3	1.1	4.7
			0.5	4.0
15	00	3	1.1	4.6
			0.6	4.0
	06	3	1.4	4.8
			0.5	4.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Bombay (Colaba)				
15 contd.	12	3	1.3	4.9
			0.9	4.0
	18	3	1.5	5.2
			0.7	4.0
16	00	3	1.5	4.9
			0.5	2.5
	06	3	1.7	5.2
			1.0	4.1
	12	3	1.5	5.0
			1.0	3.9
	18	3	1.3	4.4
			0.6	3.0
17	00	3	1.4	4.8
			0.9	4.0
			0.3	3.2
	06	Shock in progress		
	12	3	1.3	4.3
			0.5	3.6
			0.3	2.2
	18	3	1.3	4.1
			0.7	3.0
			0.3	2.0
18	00	3	1.3	3.8
			0.5	2.1
	06	Overlapping Record		
	12	Overlapping Record		
	18	3	2.1	3.9
			1.0	2.6
19	00	3	1.9	3.8
			1.1	2.3
	06	3	1.9	3.9
			1.0	2.0
	12	3	1.6	3.1
			1.0	2.2
	18	Shock in progress		
20	00	Loss of record		
	06	3	1.9	3.8
			1.3	2.7
	12	3	1.7	4.1
			1.0	2.5
	18	3	1.7	4.0
			1.2	2.8
21	00	3	1.5	3.7
			1.0	2.2
	06	3	1.7	3.9
			1.1	3.0
	12	3	1.7	3.9
			1.0	3.0

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Bombay (Colaba)				
21 Contd.	18	3	1.7	3.9
			1.1	2.8
			0.6	2.0
22	00	3	1.8	3.9
			1.1	3.0
			0.6	2.0
	06	3	2.0	3.7
			1.4	2.3
	12	3	1.9	3.9
			1.4	2.8
	18	3	1.9	3.7
			1.3	2.7
23	00	3	1.9	3.9
			1.2	2.8
			0.6	2.0
	06	3	1.9	3.7
			1.3	2.7
			1.0	2.2
	12	3	1.9	4.0
			1.3	3.0
	18	3	1.9	4.0
			1.1	2.9
24	00	3	1.9	4.0
			1.2	3.0
	06	3	1.9	3.8
			1.1	2.5
	12	3	1.7	3.9
			1.3	2.8
	18	3	1.7	3.9
			1.0	3.0
			0.5	2.0
25	00	3	1.9	4.0
			0.8	3.0
	06	3	1.9	3.9
			1.1	2.9
			0.7	2.0
	12	3	1.9	3.7
			1.3	3.0
	18	3	2.0	4.0
			1.4	3.0
			0.8	2.2
26	00	3	1.9	3.8
			1.1	3.0
	06	3	1.8	3.9
			0.8	2.1
	12	3	2.0	4.1
			1.1	3.0
			0.5	2.0
	18	3	1.9	4.1
			1.0	3.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Bombay (Colaba)				
27	00	3	1.9	4.0
			1.0	3.0
	06	3	1.8	4.0
			0.8	2.9
			0.4	2.0
	12	3	2.0	4.0
			1.0	3.0
	18	3	1.9	4.1
			0.9	2.9
28	00	3	1.9	4.0
			1.1	3.0
	06	3	2.2	4.0
			0.9	3.0
	12	3	2.5	4.5
			1.2	3.1
	18	3	2.5	4.4
			1.3	2.9
29	00	3	2.6	5.0
			1.9	4.0
			0.5	2.2
	06	3	2.8	5.1
			1.0	3.0
	12	3	2.8	5.1
			1.9	4.0
			1.0	3.0
	18	3	2.9	5.3
			2.0	4.0
			1.1	3.0
30	00	3	2.9	5.3
			2.0	4.0
			1.3	3.0
	06	3	2.9	4.6
			2.1	3.8
			1.1	2.5
	12	3	2.9	4.1
			1.5	3.0
	18	3	3.2	4.9
			1.5	2.6
Station : Calcutta (Alipore)				
01	00	3	3.2	1.5
	06	3	3.8	1.8
	12	3	3.6	2.1
	18	3	3.8	2.0
02	00	3	3.8	2.1
	06	3	3.8	2.0
	12	3	3.0	2.5
	18	3	3.2	2.2

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Calcutta (Alipore)				
03	00	3	3.0	2.1
	06	...		
	12	3	2.2	1.8
	18	3	3.0	1.8
04	00	3	3.2	1.8
	06	3	3.6	1.6
	12	3	3.4	1.4
	18	3	3.6	1.5
05	00	3	3.4	1.6
	06	3	2.8	1.5
	12	3	2.6	2.0
	18	3	4.0	1.8
06	00	3	4.0	1.4
	06	3	3.2	1.4
	12	3	3.0	1.2
	18	3	3.8	1.5
07	00	3	4.0	1.3
	06	3	4.0	1.2
	12	3	3.8	2.3
	18	3	3.0	3.0
08	00	3	3.0	2.8
	06	3	2.4	2.4
	12	3	2.8	2.4
	18	3	3.0	2.3
09	00	3	3.0	2.0
	06	3	3.0	2.2
	12	...		
	18	...		
10	00	...		
	06	3	3.2	3.3
	12	3	3.0	1.2
	18	3	3.2	1.1
11	00	3	3.2	1.5
	06	3	4.0	2.4
	12	3	3.4	2.2
	18	3	3.2	2.2
12	00	3	3.6	1.5
	06	3	4.0	2.2
	12	3	3.8	2.5
	18	3	4.0	2.2
13	00	3	3.6	2.4
	06	3	3.4	2.5
	12	3	3.2	2.8
	18	3	3.0	2.1
14	00	3	3.4	1.8
	06	3	3.2	1.8
	12	3	3.0	1.5
	18	...		
15	00	...		
	06	3	4.0	1.5
	12	3	4.2	1.0
	18	3	4.2	0.8
16	00	3	3.8	0.6
	06	3	4.0	0.8
	12	3	4.2	0.5
	18	3	4.0	0.6
17	00	3	4.2	1.0
	06	3	4.0	0.8
	12	3	3.2	1.2
	18	3	3.6	1.0
18	00	3	4.0	0.8
	06	3	3.8	1.0
	12	3	4.0	0.8
	18	3	4.2	0.8
19	00	3	3.8	1.0
	06	3	3.6	1.1
	12	3	3.8	0.8
	18	3	4.0	0.6
20	00	3	4.0	0.8
	06	3	3.8	0.8
	12	3	4.0	0.6
	18	3	4.0	0.6
21	00	3	3.6	0.5
	06	3	4.0	1.1
	12	3	4.2	1.0
	18	3	4.0	0.8
22	00	3	3.8	1.0
	06	3	4.0	0.8
	12	3	3.8	1.2
	18	3	3.4	1.5
23	00	3	3.2	1.6
	06	3	3.4	1.8
	12	3	4.0	1.5
	18	3	4.0	1.8
24	00	3	3.6	2.0
	06	3	3.8	2.1
	12	3	3.6	2.0
	18	3	4.0	1.8

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Calcutta (Alipore)				
25	00	3	4.0	1.8
	06	3	3.8	1.6
	12	3	4.0	1.2
	18	3	4.2	1.1
26	00	3	4.0	0.8
	06	3	4.0	0.8
	12	3	4.2	0.8
	18	3	4.0	0.6
27	00	3	4.0	0.8
	06	3	4.2	0.8
	12	3	4.0	0.8
	18	3	3.8	1.0
28	00	3	3.6	1.2
	06	3	3.2	1.9
	12	3	3.0	1.8
	18	2	3.2	2.8
29	00	2	3.0	3.2
	06	2	2.6	2.8
	12	3	2.4	2.8
	18	3	2.8	2.2
30	00	3	3.0	2.4
	06	3	3.4	2.8
	12	3	3.0	2.3
	18	3	3.8	2.4
		.....		
Station : Goa				
01	00	3	0.4	2.0
	06	3	0.5	2.0
	12	3	0.5	1.8
	18	3	0.5	2.0
02	00	3	0.5	2.0
	06	3	0.3	1.6
	12	3	0.2	1.6
	18	3	0.3	1.6
03	00	3	0.3	1.8
	06	3	0.1	1.6
	12	3	0.1	1.0
	18	3	0.2	1.4
04	00	3	0.1	1.4
	06	3	0.2	1.6
	12	3	0.2	1.4
	18	...	-	-
05	00	...	-	-
	06	3	0.2	1.8
	12	3	0.3	1.6
	18	3	0.3	1.6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Goa				
06	00	3	0.2	1.6
	06	3	[illegible]	[illegible]
	12	3	0.1	1.4
	18	3	0.2	1.6
07	00	3	0.3	1.8
	06	3	0.1	1.2
	12	...	-	-
	18	3	1.2	1.4
08	00	3	0.2	1.6
	06	...	-	-
	12	3	0.1	1.2
	18	3	0.3	1.2
09	00	3	0.3	1.4
	06	3	0.1	1.4
	12	0,0	-	-
	18	0,0	[illegible]	[illegible]
10	00	0,0	-	-
	06	3	0.1	1.2
	12	...	-	-
	18	...	-	-
11	00	...	-	-
	06	3	0.3	1.6
	12	...	-	-
	18	3	0.3	1.6
12	00	3	0.4	1.6
	06	...	-	-
	12	...	-	-
	18	...	-	-
13	00	...	-	-
	06	3	0.2	1.2
	12	3	0.3	1.4
	18	3	0.2	1.2
14	00	3	0.2	1.2
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
15	00	0,0	-	-
	06	3	0.1	1.0
	12	...	[illegible]	-
	18	...	-	-
16	00	0,0	-	-
	06	3	0.3	1.6
	12	3	0.2	1.2
	18	3	0.2	1.6
17	00	3	0.2	1.4
	06	3	0.2	1.2
	12	3	0.1	1.0
	18	3	0.1	1.0

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Goa				
18	00	3	0.1	1.2
	06	3	0.3	1.2
	12	3	0.3	1.4
	18	3	0.3	1.2
19	00	3	0.4	1.4
	06	3	0.4	2.0
	12	3	0.5	1.6
	18	3	0.5	2.0
20	00	3	0.4	2.0
	06	3	0.4	1.4
	12	...	-	-
	18	...	-	-
21	00	3	0.4	1.6
	06	...	-	-
	12	...	-	-
	18	3	0.4	1.6
22	00	3	0.3	1.2
	06	3	0.5	1.6
	12	...	-	-
	18	...	-	-
23	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
24	00	...	-	-
	06	...	-	-
	12	3	0.4	1.8
	18	3	0.5	1.6
25	00	3	0.4	1.4
	06	...	-	-
	12	3	0.3	1.6
	18	3	0.6	1.6
26	00	3	0.5	1.8
	06	3	0.4	1.6
	12	3	0.4	1.6
	18	3	0.5	1.6
27	00	3	0.4	1.8
	06	3	0.4	2.0
	12	3	0.4	1.4
	18	3	0.5	1.6
28	00	3	0.5	1.6
	06	...	-	-
	12	...	-	-
	18	...	-	-
29	00	3	0.5	1.6
	06	3	0.5	1.6
	12	...	-	-
	18	...	-	-
30	00	...	-	-
	06	3	0.4	1.6
	12	...	-	-
	18	3	0.5	1.6
Station : Madras				
01	00	2	0.8	3.4
	03	2	0.7	3.2
	06	2	0.7	3.1
	12	2	0.7	3.1
	18	2	0.8	3.1
02	00	2	0.8	3.2
	03	2	0.8	3.2
	06	2	0.7	3.2
	12	2	0.7	3.1
	18	2	0.7	3.2
03	00	2	0.7	3.1
	03	2	0.7	3.2
	06	2	0.7	3.2
	12	2	0.6	3.0
	18	2	0.6	3.1
04	00	2	0.5	3.1
	03	2	0.5	3.2
	06	2	0.5	3.2
	12	2	0.5	3.1
	18	2	0.5	3.2
05	00	2	0.5	3.1
	03	2	0.4	3.1
	06	2	0.5	3.1
	12	2	0.5	3.1
	18	2	0.5	3.1
06	00	2	0.5	3.1
	03	2	0.5	3.1
	06	2	0.5	3.1
	12	2	0.5	3.1
	18	2	0.5	3.1
07	00	2	0.5	3.3
	03	2	0.5	3.2
	06	2	0.5	3.1
	12	2	0.5	3.2
	18	2	0.5	3.2

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Madras				
08	00	2	0.5	3.1
	03	2	0.6	7.9
		2	0.5	3.3
	06	2	0.6	7.7
		2	0.5	3.2
	12	2	0.6	7.5
		2	0.5	3.2
	18	2	0.7	8.0
		2	0.5	3.4
09	00	2	0.7	7.9
		2	0.6	3.5
	03	2	0.5	7.9
		2	0.6	3.6
	06	2	0.6	3.8
	12	2	0.6	8.3
		2	0.5	3.7
	18	2	0.8	8.6
		2	0.6	3.8
10	00	2	0.7	8.7
		2	0.6	3.9
	03	2	0.7	4.2
	06	2	0.7	4.2
	12	2	0.7	4.4
	18	2	0.7	4.2
11	00	2	0.7	4.3
	03	2	0.9	4.5
	06	2	0.9	4.5
	12	2	0.9	4.8
	18	2	0.9	4.9
12	00	2	1.0	5.1
	03	2	1.0	5.2
	06	2	1.0	5.2
	12	2	1.0	5.2
	18	2	0.9	5.2
13	00	2	1.0	5.2
	03	2	1.0	5.0
	06	2	1.0	5.2
	12	2	1.0	5.0
	18	2	0.9	5.0
14	00	2	0.9	5.0
	03	2	0.8	5.1
	06	2	0.8	5.0
	12	2	0.8	5.2
	18	2	0.7	5.0
15	00	2	0.7	5.1
	03	2	0.9	5.1
	06	2	0.9	5.1
	12	2	1.0	5.0
	18	2	0.9	5.2
16	00	2	1.1	5.6
	03	2	0.9	5.7
	06	2	1.0	5.8
	12	2	0.9	5.5
	18	2	1.0	5.5
17	00	2	0.9	5.3
		3	0.5	2.0
	03	2	1.1	5.4
		2	0.8	3.0
	06	...	Earthquake	
	12	2	0.8	5.7
		2	0.3	2.7
	18	2	0.7	5.4
18	00	2	0.7	5.2
	03	2	0.8	5.1
		2	0.2	3.0
	06	2	0.7	5.0
		2	0.2	3.0
	12	2	0.6	5.0
		2	0.2	2.5
	18	2	0.6	4.8
		3	0.2	2.7
19	00	2	0.6	4.8
		3	0.3	2.6
	03	2	0.7	4.9
		3	0.3	2.7
	06	2	0.7	4.8
		3	0.3	2.7
	12	2	0.6	4.9
		2	0.3	2.7
	18	...	Earthquake	
20	00	2	0.6	4.9
		2	0.3	2.8
	03	2	0.6	4.8
		2	0.3	2.7
	06	2	0.6	4.8
		2	0.3	2.9
	12	2	0.6	4.9
		2	0.4	3.0
	18	2	0.7	5.3
		2	0.4	3.0
21	00	2	0.7	5.3
		2	0.4	3.0
	03	2	0.7	5.1
		2	0.5	2.8
	06	2	0.8	5.2
			0.6	2.9
	12	2	0.9	5.2
		2	0.6	2.9
	18	2	0.9	5.3
		2	0.5	2.9
22	00	2	0.9	5.3
		2	0.5	2.9
	03	2	0.9	5.2
		2	0.6	2.9
	06	2	0.9	5.2
		2	0.6	3.0
	12	2	0.9	5.1
		2	0.6	3.0

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Madras.				
22	18	2	0.9	5.2
contd.		2	0.5	3.0
23	00	2	0.8	4.9
		2	0.4	2.8
		3	0.3	1.6
	03	2	0.9	5.0
		2	0.4	2.8
		3	0.2	1.9
	06	2	1.0	5.0
		2	0.4	2.9
	12	2	1.0	5.1
		2	0.5	2.9
	18	2	0.9	4.9
		2	0.5	2.6
		3	0.2	1.6
24	00	2	0.8	5.0
		2	0.5	2.5
	03	2	0.9	4.6
	06	2	0.9	4.6
	12	2	0.9	4.6
	18	2	0.9	4.5
25	00	2	0.8	4.7
	03	2	1.0	4.7
	06	2	0.8	4.7
	12	2	0.8	4.6
	18	2	0.8	4.7
26	00	2	0.8	4.7
	03	2	0.8	4.7
	06	2	0.8	4.7
	12	2	0.9	4.7
	18	2	0.9	4.8
27	00	2	0.9	4.8
	03	2	0.9	5.3
		2	0.2	2.5
	06	2	0.9	5.1
		2	0.2	2.1
	12	2	0.9	5.3
		2	0.2	2.4
	18	2	1.0	5.5
		2	0.2	2.5
28	00	2	1.0	5.4
		2	0.2	2.5
	03	1	1.2	5.4
	06	1	1.3	5.5
	12	1	1.4	5.6
	18	1	1.5	5.9
29	00	1	1.8	5.9
	03	1	1.9	6.2
	06	1	1.9	6.3
	12	1	1.9	6.2
	18	1	2.0	6.3

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Madras				
30	00	1	2.0	6.4
	03	1	2.0	6.4
	06	1	1.9	6.5
	12	1	1.9	6.3
	18	1	1.8	6.4
Station : Port Blair				
01	00	3	1.6	3
		3	2.0	7
	06	3	1.6	3
		3	2.0	7
	12	3	1.6	3
		3	1.6	7
	18	3	2.0	3
02	00	3	1.6	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
03	00	3	2.0	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.4	3
04	00	3	2.0	2
		3	2.4	3
	06	3	1.6	2
		3	2.0	3
	12	3	1.6	2
		3	2.0	3
	18	3	1.6	2
		3	2.4	3
05	00	3	2.0	2
		3	2.4	3
	06	3	1.6	2
		3	2.0	3
	12	3	1.6	2
		3	2.0	3
	18	3	1.6	2
		3	2.0	3
06	00	3	1.6	2
		3	2.0	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
		3	1.2	7
07	00	3	2.0	3
			1.2	7
	06	3	1.6	2
		3	2.0	3
	12	3	1.2	2
		3	2.0	3
	18	3	2.0	3
		3	0.8	7

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Port Blair				
08	00	3	2.0	3
			0.8	7
	06	3	2.0	3
		3	1.6	7
	12	3	2.0	3
		3	1.6	7
	18	3	2.0	3
		3	1.6	7
09	00	3	2.0	3
		3	1.6	7
	06	3	1.6	3
		3	1.6	7
	12	3	1.6	3
		3	2.0	7
	18	3	1.6	3
		3	2.4	7
10	00	3	1.6	3
		3	2.8	7
	06	3	1.6	3
		3	2.8	7
	12	3	1.6	3
		3	2.4	7
	18	3	2.6	3
			2.8	7
11	00	3	1.6	3
		3	2.8	7
	06	3	1.2	3
		3	2.4	7
	12	3	1.2	3
		3	2.4	7
	18	3	1.2	3
		3	2.8	7
12	00	3	1.2	3
		3	2.8	7
	06	3	1.6	7
	12	3	2.0	7
	18	3	1.2	3
		3	2.0	7
13	00	3	2.0	7
	06	3	2.0	7
	12	3	2.0	7
	18	3	2.0	7
14	00	3	2.0	7
	06	3	0.8	3
		3	0.8	7
	12	3	0.8	3
		3	0.8	7
	18	3	0.8	3
		3	0.8	7
15	00	3	0.8	3
		3	1.2	7
	06	3	1.2	3
		3	1.2	7
	12	3	1.2	3
		3	1.2	7
	18	3	1.2	3
		3	1.2	7
16	00	3	1.2	3
		3	1.2	7
	06	3	1.2	3
		3	1.2	7
	12	3	1.2	3
		3	1.2	7
	18	3	1.2	3
		3	1.2	7
17	00	3	1.2	3
		3	1.2	7
	06	...	-	-
	12	3	0.8	3
		3	0.8	7
	18	3	0.8	3
		3	0.8	7
18	00	3	0.8	3
		3	0.8	7
	06	3	0.8	3
		3	0.8	7
	12	3	1.2	3
		3	0.8	7
	18	3	2.0	3
		3	0.8	7
19	00	3	2.0	3
		3	0.8	7
	06	3	1.6	3
		3	0.8	7
	12	3	1.6	3
		3	0.8	7
	18	3	1.6	3
20	00	3	1.6	3
	06	3	1.6	3
	12	3	1.6	3
	18	3	1.6	3
21	00	3	1.6	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
22	00	3	2.0	3
	06	3	2.0	3

JUNE, 1967

Station : Trivandrum

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
01	00	2	0.61	3.3
	06	2	0.60	3.2
	12	2	0.52	3.2
	18	2	0.66	3.1
02	00	2	0.72	3.2
	06	2	0.86	3.2
	12	2	0.73	3.2
	18	2	0.61	3.2
03	00	2	0.57	3.1
	06	2	0.52	3.0
	12	2	0.56	3.0
	18	2	0.50	3.0
04	00	minute not measurable		
	06			
	12			
	18			
05	00	2	0,0	
	06	2	0.49	3.0
	12	2	0.50	3.2
	18	2	0.44	3.4
06	00	2	0.44	3.6
	06	2	0.36	3.3
	12	2	0.46	3.4
	18	2	0.40	3.5
07	00	2	0.52	3.5
	06	2	0.66	3.9
	12	2	0.74	4.0
	18	2	0.66	3.9
08	00	2	0.63	3.8
	06	2	0.80	3.9
	12	2	0.75	4.0
	18	2	1.01	3.8
09	00	2	0.96	4.0
	06	2	1.15	3.9
	12	2	1.15	3.9
	18	2	1.22	4.0
10	00	2	1.75	4.0
	06	2	1.90	4.5
	12	2	2.00	4.8
	18	2	2.10	4.6
11	00	2	1.90	4.7
	06	2	2.30	4.6
	12	2	2.30	4.7
	18	2	2.40	4.8
12	00	2	2.25	5.2
	06	2	2.35	5.1
	12	2	2.10	5.3
	18	2	1.95	5.5

Station : Trivandrum

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
13	00	2	1.97	5.3
	06	2	2.40	5.3
	12	2	2.05	5.2
	18	2	2.05	5.2
14	00	2	1.65	5.2
	06	2	1.60	5.3
	12	2	1.50	5.2
	18	2	1.45	4.5
15	00	2	1.35	5.2
	06	2	1.80	5.0
	12	2	2.00	5.0
	18	2	2.10	5.2
16	00	2	1.95	5.3
	06	2	2.40	5.5
	12	2	1.95	5.4
	18	2	1.85	5.5
17	00	2	1.82	5.3
	06	..,		
	12	2	1.75	5.1
	18	2	1.65	5.0
18	00	2	1.90	5.2
	06	2	1.80	5.0
	12	2	1.60	5.2
	18	2	1.25	5.0
19	00	2	1.25	5.2
	06	2	1.05	5.1
	12	2	0.69	4.7
	18	2	0.97	4.7
20	00	2	1.10	4.7
	06	2	1.12	4.6
	12	2	1.06	4.5
	18	2	1.05	4.5
21	00	2	1.21	4.9
	06	2	1.25	4.7
	12	2	1.12	4.8
	18	2	1.07	5.2
22	00	2	1.20	5.2
	06	2	1.37	5.2
	12	2	1.33	5.2
	18	2	1.47	4.9
23	00	2	1.23	4.8
	06	2	1.50	4.5
	12	2	1.45	4.7
	18	2	1.50	4.1
24	00	2	1.75	4.4
	06	2	1.70	4.5
	12	2	1.55	4.4
	18	2	1.66	4.4

JUNE, 1967

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Trivandrum				
25	00	2	1.78	4.6
	06	2	1.75	4.7
	12	2	1.50	4.8
	18	2	1.70	4.6
26	00	2	1.68	4.8
	06	2	1.67	4.6
	12	2	1.56	4.5
	18	2	1.57	4.7
27	00	2	1.57	4.5
	06	2	1.39	4.8
	12	2	1.57	4.6
	18	2	2.05	4.8
28	00	2	1.97	4.7
	06	2	2.15	5.0
	12	2	2.40	4.9
	18	2	2.25	4.9
29	00	2	2.35	4.6
	06	2	....	...
	12	2	3.70	4.9
	18		...	...
30	00	2	2.35	4.8
	06	2	2.80	4.6
	12	2	2.90	5.1
	18	2	3.30	4.9
Station: Visakhapatnam				
01	00	00	-	-
	06	2	0.5	3.6
	12	2	0.6	3.7
	18	3	0.5	3.1
02	00	2	0.5	3.8
	06	3	0.8	3.8
	12	3	0.9	4.3
	18	3	0.7	4.1
03	00	3	0.7	4.0
	06	3	0.8	3.9
	12	3	0.7	4.3
	18	3	0.6	4.2
04	00	3	0.5	4.4
	06	2	0.8	4.1
	12	2	0.6	4.1
	18	2	0.7	4.1
05	00	2	0.5	4.0
	06	2	0.7	4.3
	12	2	0.5	3.8
	18	2	0.5	3.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Visakhapatnam				
06	00	2	0.5	3.8
	06	3	0.5	3.9
	12	3	0.5	3.5
	18	3	0.7	3.9
07	00	3	0.4	3.4
	06	3	1.3	3.5
	12	3	0.8	4.1
	18	3	0.8	3.9
08	00	3	0.5	3.6
	06	3	0.9	4.0
	12	3	0.5	3.7
	18	3	0.6	3.9
09	00	3	0.3	3.8
	06	3	0.9	3.9
	12	3	0.5	3.7
	18	3	0.8	3.8
10	00	3	0.3	2.9
	06	3	1.1	3.7
	12	3	0.5	3.7
	18	... Power Failure -		
11	00	3	0.3	3.5
	06	3	0.6	3.6
	12	3	0.7	4.4
	18	3	0.4	4.0
12	00	3	0.7	4.8
	06	3	0.7	4.1
	12	3	0.7	5.2
	18	3	0.8	4.6
13	00	3	0.5	3.6
	06	3	0.5	4.7
	12	3	0.6	4.9
	18	3	0.5	4.7
14	00	3	0.5	3.9
	06	3	0.7	5.5
	12	3	0.8	4.8
	18	3	0.5	4.3
15	00	3	0.7	4.3
	06	3	0.4	4.2
	12	3	0.7	4.6
	18	3	1.0	5.0
16	00	3	0.9	5.4
	06	3	0.9	5.5
	12	3	0.7	5.4
	18	3	0.9	5.6

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra BHK	31.25	76.25			Electromagnetic (H)	Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
					Press-Ewing	Z	15	100	-	-	1	15
						N	15	100	-	-	1	15
Bokaro BOK	23.47	85.53		Rock		E	15	94	-	-	1	30
					Sprengnether	Z	7.3	7.3	5000	1		30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		8
					Milne Shaw	N	12		250	0.7		8
				Deccan Trap		E	12		250	0.7		30
Bombay BOM	18.54	72.49			Sprengnether	Z	7.3	7.3	5000		1	30
					Benioff	N	1.0	0.2	-	1	1	60
						E	1.0	87.0			1	60
					Milne-Shaw	E	12		250	0.7		8
Calcutta CAL	22.32	88.20	7	Milne Shaw	Alluvium	E	12		250	0.7		25.4
			6	Omori-Ewing		E	19		30	-		25.4
					Omori-Ewing	N	15		32	-		30
					Sprengnether	Z	7.0	7.0	1000		1	60
					Benioff	N	0.72	0.45	-	-	1	30
Chatra CHA	26.50	87.10	161	Sand stone		N	0.8		1000	1		30
					Wood-Anderson	E	0.8		1000	1		16
						E	12		250	1		16
					Milne-Shaw	E	12		250	1		600
						E	12		50	0.6		30
					Wenner Accelerograph	ZNE	0.1				1	30
					Sprengnether	Z	7.6	7.6	5000			30
					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		8
Delhi NDI	28.41	77.12	207	Massive Quartzite		E	0.8		250	0.7		60
					Milne-Shaw	N	12					60
					Benioff(SP)	Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	30
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (sec.		1	60
					Wilson-Lomison	Z	1.3	1.3	-	1	1	30
					Wood-Anderson	N	0.8		970	1		30
Dehra Dun DDI	30.19	78.03	682	Gravel		E	0.8		1000	1		8
					Milne-Shaw	N	12		250	0.7		
						E	12				1	30
					Sprengnether	Z	1.5	1.5	-		1	30
						N	7.4	7.4	5000		1	30
						E	7.5	7.5	5000		1	8
Goa GOA	15.29	73.49		Laterite	Milne-Shaw	E	12		250	0.7		8
						N	12		250	0.7		60
Hyderabad HYD	17.26	78.27	536	Granite	Benioff(SP)	Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
Kodaikanal KOD			2345	Rock		E	1.0	0.75	50K (sec.		1	30
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	8
					Milne-Shaw	E	12		250	0.7		30
					Sprengnether	E	7.4	7.4			1	60
Madras MDR	13.00	80.11	15			Z	1.5	1.5			1	60
					Benioff (SP)	Z	1.0	0.75	50K (for		1	60
Poona POO	18.32	73.51	560	Deccan Trap		N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	30
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	8
					Milne-Shaw	E	12		250	0.7		30
					Wood-Anderson	E	2.0		890	0.7		30
Port Blair PBA	11.40	92.43				N	0.8		840	0.8		30
					Benioff	Z	1.2	1.5			1	30
					Wood-Anderson	N	0.8		860	1		30
						E	0.8		950	1		60
Sehore SEH	23.10	77.05			Benioff(SP)	Z	1	0.75	200K (for		1	60
						N	1	0.75	200K (TE=1		1	60
						E	1	0.75	200K (sec		1	15
Shillong SHL	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)	Press-Ewing (LP)	Z	15	100	3000 (for		1	15
						N	15	100	3000 (TE=15		1	15
						E	15	100	3000 (secs		1	30
					Sprengnether	E	6.7	6.7	2600			8
					Milne-Shaw	N	12		250	0.7		600
						E			Nearly 50	0.6		60
					Wenner Accelerograph	Z,N,E	0.1		1000	1		
					Wood-Anderson	E	0.8				1	30
Tocklai TOC	26.45	94.46		Alluvium	Sprengnether	E	7.1	7.1	2500		1	30
Trivandrum TRV	8.29	76.57		Decomposed Laterite	Sprengnether	E	7.0	7.0	5000			30
					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		60
Visakhapatnam VIS	17.43	83.18			Electromagnetic (S.P.)	Z	1.65	1.65	6000	1	1	12
					Milne-Shaw	N	12.0		-	250	0.7	

DATE	STN	PHASE	H	M	S		Δ Deg
01	SHL	iP	04	35	49	DE	
01	SHL	iP	06	44	01	C	
01	SHL	iP	06	48	15	CNE	
01	NDI	iP	07	35	57		
01	Epc: 0.8°S, 98.7°E. H = 07h 28m 57.6s Depth 26 km (USCGS) Mag. 5.5 (CGS)						
	VIS	iP	07	34	10	DE	25.1
		iPP		34	50		
		iPPP		35	01		
		iS		38	30		
		eSS		39	27		
		eSSS		39	48		
	MDR	eP	07	34	11		25.3
		e		34	38		
		PcP		38	14		
		S		38	32		
	KOD	iP	07	34	20.	DNW	23.6
		eS		38	32		
		i		39	22		
	SHL	iP	07	34	41	CNW	27.1
		eS		39	19		
	PBA	e	07	34	45		
		i		37	32		
	CHA	iP	07	35	06	C	
	NDI	iP	07	36	05.4	C	36.2
		eS		41	46.6		
		e		42	51		
		e		46	26		
01	SHL	iPg	09	43	37	DNE	1.0
		iSg		43	50		
01	NDI	e	14	48	15		
01	SHL	eP	15	07	21		
	NDI	e	15	49	54		
01	NDI	e	17	26	50		
01	SHL	iP	21	34	14	CNW	
01	SHL	iP	22	56	24	D	
	CHA	iP	22	57	24	C	6.7
01	Epc: 54.4°N, 158.0°W H = 23h 10m 07.2s Depth 33 km. Mag. 6.2 (CGS).						
01 Contd.	SHL	iP	23	22	16	CSW	80.0
		PP		25	14		
		iS		32	20		
		SS		37	30		
	CHA	iP	23	22	25	C	81.4
		eP		22	27		
		PP		22	35		
		PPP		27	31		
		S		32	36		
		e		32	53		
	BHK	e	23	22	29		
	DDI	iP	23	22	30	C	82.9
		eS		32	48		
	NDI	iP	23	22	38	CSW	83.4
		iS		32	59		
		eSS		38	18		
	BOK	iP	23	22	40	CSW	83.4
		PP		25	57		
		eS		33	01		
		PS		34	00		
		SS		34	21		
		SSS		41	49		
	VIS	eP	23	23	09		92.3
		eS		34	07		
	PBA	eP	23	23	12		
		e		33	37		
	POO	eP	23	23	27		
		e		34	02		
	BOM	ePP	23	27	11		
		eSKS		34	03		
		e		59	00		
	MDR	ePP	23	27	32		
		eSKS		34	14		
	KOD	i	23	28	02		
		e		28	02		
		eSKS		34	36		
02	KOD	iP	04	03	48	NW	
		i		03	48.6		
02	KOD	iP	04	27	17	SW	
02	KOD	iP	04	45	35	SW	
		i		45	35.6		
02	DDI	eP	05	19	21.4		
02	Epc: 8.7°N, 93.8°E. H= 07h 03m 52.9s Depth 33 km. Mag. 5.7 (CGS)						

DATE	STN	PHASE	H	M	S		Δ Deg
02	CAL	iP	07	06	24	SW	10.1
Contd.		eS		08	19		
	VIS	iP	07	07	01	CSE	12.7
		iPP		07	07		
		iPPP		07	18		
		iS		09	25		
		iSS		09	40		
		iSSS		09	45		
	MDR	iP	07	07	08	DE	13.1
		PP		07	15		
		PPP		07	28		
		iS		09	36		
		SS		09	48		
	KOD	eP	07	07	38	CSW	16.5
		e		07	40		
		i		07	42		
		eS		10	39		
		e		10	44		
		PP		10	48		
		PPP		10	56		
	SHL	iP	07	07	47	DSW	16.6
		eS		10	49		
	CHA	iP	07	08	16	DN	20.0
		PP		08	36		
		S		11	54		
		LQ		12	04		
		SS		12	27		
		PcS		15	37		
	SEH	eP	07	08	42		
		i		08	59		
		i		12	45		
		i		13	41		
	POO	iP	07	08	43	C	21.8
		iS		12	37		
	BOM	iP	07	08	55	CNW	22.9
		iS		13	01		
		i		13	05		
		LQ		13	24		
		SS		13	46		
		i		14	01		
	NDI	iP	07	09	16.5	CW	25.4
		i		09	20		
		iS		13	41.2		
	DDI	eP	07	09	25		26.6
		PP		10	11.2		
		e		10	26		
		S		13	56		
		i		14	22		
		LR		16	55.7		
02	SHL	iP	07	46	17	CSW	

DATE	STN	PHASE	H	M	S		Δ Deg
02	CHA	iP	07	46	46	D	
02	DDI	iP	07	47	32.1	C	
02	NDI	iP	07	47	42.5	SWC	
02	POO	eP	07	48	32		
02	SHL	eP	08	33	28		
02	Epc: 33.2°N, 75.6°E.						
	- H = 08h 32m 38.5s						
	Depth 33 km. Mag. 4.8(CGS)						
	BHK	ePn	08	33	12.3		2.0
		iP*		33	14.4		
		iPg		33	17.5		
		iSn		33	38.8		
		iSg		33	43.1		
	DDI	eP	08	33	34.1		3.8
		PP		33	40.8		
		PPP		33	47		
		i		33	57		
		S		34	17.8		
	NDI	iPn	08	33	49.8	SC	4.3
		P*		33	59		
		Pg		34	08.5		
		Sn		34	41		
		S*		34	56		
		iSg		35	03		
	SEH	eP	08	35	00		9.4
		i		35	03		
		i		35	13		
		S		36	44		
		i		37	00		
		i		37	02		
		i		37	29		
		i		37	33		
		i		37	55		
		i		38	02		
	CHA	iP	08	35	26	D	11.6
		i		35	51		
		i		36	54		
		iS		37	37		
	POO	eP	08	36	06		
	SHL	eP	08	36	19		
02	BOK	eP	08	36	20		18.0
		i		39	39		
	BOM	e	08	40	03		
		e		40	10		
		e		41	20		
	KOD	i	08	42	21	W	
02	SHL	iP	09	44	24	C	

DATE	STN	PHASE	H	M	S		Δ Deg
02	NDI	e	13	20	14		
02	NDI	e	13	32	38		
02	Epc: 8.5°N, 93.8°E. - H = 14h 09m 37.6s Depth 36 kms (USCGS) Mag. 5.2 (CGS).						
	PBA	i	14	10	40		
		i		11	02		
	KOD	iP	14	13	32	E	
	SHL	iP	14	13	35	DS	
	NDI	eP	14	15	03.5		
	DDI	eP	14	15	11.8		
02	SHL	iP	14	23	19	CN	
02	NDI	i	14	24	27		
02	NDI	eP	14	24	47		
02	SHL	iP	14	53	02	DW	2.5
		iS		53	33		
02	Epc: 32.9°N, 141.7°E - H = 15h 15m 48.4s Depth 19 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	eP	16	23	54		
	CHA	iP	16	24	23	C	
	DDI	eP	16	25	09.4		
	NDI	iP	16	25	18	C	
	POO	eP	16	26	09		
02	DDI	eP	18	30	28.6		
	NDI	eP	18	30	44		4.7
		eS		31	40		
02	Epc: 8.6°N, 93.8°E - H = 18h 36m 18.9s Depth 33 kms (USCGS) Mag. 4.5						
	SHL	iP	18	40	15	DSE	
	NDI	eP	18	41	46		
02	POO	eP	19	10	50		
02	SHL	iP	19	34	09	CW	
02	TOC	ePn	19	58	30		1.6
		iSn		58	52		
		i		59	03		
02	SHL	iP	19	58	34	CNW	
	CHA	iP	19	59	33.5	C	6.5
		S	20	03	48		
02	NDI	eP	20	04	16		
02	Epc: 31.2°N, 130.1°E. - H = 20h 34m 36.2s Depth 181 kms. (USCGS) Mag. 4.9 (CGS)						
	SHL	iP	20	41	05	DNE	
	CHA	iP	20	41	37	C	
		i		43	51		
	NDI	iP	20	42	40		
		e		44	14		
02	POO	eP	21	10	48		
02	KOD	iP	21	18	04	SW	
		i		18	04.5		
02	NDI	eP	22	10	32		
02	CHA	iP	23	47	54		
02	Epc: 6.9°S, 155.1°E - H = 00h 13m 11.0s Depth 85 kms (USCGS) Mag. 4.8 (CGS).						
	KOD	iP	00	41	55.7	NE	
		e		41	56.5		
03	Epc: 12.3°N, 143.9°E -H = 03h 42m 18.2s Depth 33 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	iP	03	51	17	DNW	
03	NDI	eP	05	48	03		
03	DDI	eP	05	48	04		
03	BOK	e	08	23	58		
03	BOK	e	08	25	19		
03	BOK	e	08	52	23		
03	SHL	eP	09	21	59		
03	SHL	eP	10	30	30		
03	KOD	iP	13	03	28	C	
	NDI	eP	13	03	32		
		i		03	53		

DATE	STN	PHASE	H	M	S		Δ Deg
03 Contd.	DDI	iP	13	03	32.4		
03	SHL	iP	20	09	37	DSW	1.4
		PP		09	45		
		iSg		09	57		
03	CHA	iPg	22	30	01.3	M=4½ D	
		Sg		30	20.4		1.5
	SHL	eP	22	30	29		
	NDI	eP	22	32	02		
		e		33	47		
04	NDI	e	00	17	45		
		i		18	25		
04	NDI	eP	02	36	50		
04	SHL	iP	03	30	04	C	
04	PBA	i	05	48	50		
04	SHL	iP	07	18	16	CN	
04	NDI	e	08	25	11		
04	NDI	e	09	58	07		
04	BOK	e	10	07	12		
04	BOK	e	13	09	56		
04	Epc: 38.1°S, 73.4°W. - H= 14h 16m 51.6s Depth 28 km. Mag. 5.4 (CGS)						
	POO	iPKP	14	36	28	C	
	MDR	ePKP	14	36	29		
	NDI	ePKP	14	36	41		154.0
		i		36	49		
		i		36	56		
		i		37	02		
		PP		40	39		
		PPP		44	16		
		SKSP		51	06		
		e		57	06		
	DDI	ePKP	14	36	45.6		
	CHA	ePKP	14	36	50		
		i		37	29		
	SHL	iPKP	14	36	52	C	
04	SHL	eP	20	08	53		
04	NDI	e	21	55	03		
		e		55	23		
04	Epc: 43.2°N, 142.5°E. -H= 23h 42m 13.7s. Depth 160 kms. Mag. 5.6 (CGS).						

DATE	STN	PHASE	H	M	S		Δ Deg
04 Contd.	SHL	iP	23	50	11	CSE	
	CHA	iP	23	50	35	D	44.7
		S		57	12		
	DDI	iP	23	51	12	C	49.5
		eS		58	19 .4		
	BHK	iP	23	51	13		
	NDI	iP	23	51	19	CS	51.3
		i		51	55		
		eS		58	37		
		e		58	50		
		i		59	45		
	POO	eP	23	52	18		
	BOK	e	23	57	50		
05	NDI	i	00	00	47		
05	Epc: 36.8°N, 21.3°E - H = 00h 53m 14.2s. Depth 22 km. Mag. 4.8 (CGS).						
	NDI	iP	01	01	45		46.7
		eS		08	35		
	DDI	eP	01	01	48		
	CHA	iP	01	02	52	C	
	SHL	iP	01	03	20	D	
05	NDI	e	06	18	29		
		e		18	31		
05	BOK	e	07	58	56		
05	BOK	e	08	27	34		
05	NDI	e	09	09	11		
	KOD	iP	09	09	56.5		
05	BOK	e	09	56	20		
05	BOK	e	11	35	32		
05	NDI	e	16	58	04		
05	PBA	iPg	18	15	12.4		0.7
		eSg		15	21.9		
05	PBA	ePg	18	19	33.4		0.7
		iSg		19	42.4		
05	CHA	iP	21	16	02		
06	Epc: 62.4°N, 147.4°W - H = 05h 06m 13.4s. Depth 59 km. Mag. 5.1 (CGS)						
	CHA	iP	05	18	24	D	

DATE	STN	PHASE	H	M	S		Δ Deg
06	NDI	iP	05	18	31	D	
		i		18	46		
06	PBA	ePg	05	35	42.5		0.2
		eSg		35	44.5		
06	BOK	e	08	12	08		
06	NDI	iP	08	30	20.5		
06	BOK	e	08	54	00		
06	BOK	e	10	18	17		
06	NDI	eP	13	48	05		
06	Epc: 52.6°N, 168.2°W. -H= 13h 42m 22.5s Depth 14 km. Mag.5.9(CGS)						
	SHL	iP	13	54	08	CSW	75.8
		PP		57	17		
		iS	14	03	50		
		ScS		04	16		
		SS		08	44		
	CHA	iP	13	54	19	C	80.2
	DDI	iP	13	54	27	C	78.6
		eS	14	04	00		
	BHK	e	13	54	30		
	BOK	iP	13	54	35	CSW	81.6
		PP		57	44		
		iS	14	04	47		
		PS		05	40		
		SS		10	17		
	NDI	iP	13	54	38	CSW	82.6
		PP		57	48		
		ScS	14	05	08		
		PPS		06	10		
		SS		10	24		
	PBA	eP	13	55	05		86.8
		eS	14	05	42		
	VIS	eP	13	55	05		87.0
		eSKS	14	05	30		
	POO	eP	13	55	27		
		e	14	06	13		
	BOM	iP	13	55	29	CS	
		e	14	05	44		
		e		06	13		
	MDR	eP	13	55	34		
		e	14	06	16		
	KOD	iP	13	55	55		
	CHA	eS	14	04	24		

DATE	STN	PHASE	H	M	S		Δ Deg
06	BHK	i	15	36	20.5		
06	NDI	eS	15	37	42		
06	NDI	eP	16	26	37		
		e		26	48		
06	NDI	i	18	24	38		
		i		25	12		
06	POO	eP	19	03	45		
		i		07	14		
	NDI	eP	19	04	36		26.5
		eS		09	09		
		i		09	28		
	CHA	iP	19	05	45	C	
	SHL	eP	19	06	09		
	BOM	e	19	07	40		
06	MDR	e	19	09	24		
06	BOK	e	19	11	11		
06	NDI	e	19	38	28		
06	NDI	e	22	08	31		
06	CHA	iP	22	09	37	C	
06	NDI	iP	23	24	06.5	D	
	KOD	iP	23	25	08.3		
		i		25	08.5		
07	NDI	eP	01	15	57		
07	NDI	i	01	40	22		
		i		40	26		
07	NDI	i	04	45	22		
07	NDI	i	07	49	35		
		i		50	22		
07	BOK	e	08	18	33		
07	BOK	e	08	57	08		
07	NDI	i	10	34	48		
		i		34	53		
07	NDI	iSg	13	34	46		
07	Epc: 8.7°N, 126.1°E - H = 13h 28m 39.1s Depth 195 kms (USCGS) Mag. 5.5 (CGS)						
	SHL	iP	13	35	29	CNW	
	KOD	i	13	37	00	W	
	DDI	iP	13	37	12	C	

DATE	STN	PHASE	H	M	S		Δ Deg
07	NDI	iP	13	37	13.8		
07	POO	eP	13	37	26		
07	Epc: 27.8°N, 92.2°E - H = 22h 56m 30.8s Depth 33 km. Mag. 4.9(CGS)						
	SHL	iP	22	57	12	CSW	2.5
		iS		57	44		
	TOC	eP	22	57	12		2.5
		eS		57	44		
	CHA	iP	22	57	41.6	D	4.9
		S		58	37.6	Mag.	
		SS		58	50.8	= 5¾	
		i		58	52		
	BOK	eP	22	58	18		8.8
		S		59	56		
		i	23	00	01		
	NDI	iP	22	59	34.5		12.1
		iS	23	01	52		
	DDI	eP	23	00	04.9		
	CAL	i	23	00	07		
	POO	eP	23	01	06		
07	KOD	i	23	08	23.5	W	
07	Epc: 35.5°N, 87.8°E. -H= 23h 49m 23.6s Depth 33 km. (USCGS)						
	CHA	iP	23	51	29		
		e		54	16		
	NDI	eP	23	52	06		
	BOK	e	23	54	13		
	DDI	eP	23	54	41.7		
08	BOM	e	00	00	52		
08	MDR	eP	01	01	16		
08	Epc: 15.4°S, 167.5°E -H= 00h 58m 54.7s Depth 137 kms (USCGS) Mag. 5.2 (CGS).						
	SHL	iP	01	11	13	DNW	
	MDR	eP	01	11	45.2		
	NDI	eP	01	12	14		
		SKS		22	38		
	BOK	e	01	21	53		
08	NDI	e	02	14	34		
08	SHL	iPg	03	27	04	DNW	1.1
		iSg		27	18		
08	SHL	eP	03	42	40		
08	Epc: 16.3°S, 166.8°E. -H = 06h 22m 52.8s Depth 9 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	iP	06	35	25	DE	
08	NDI	e	07	01	13		
		i		02	22		
08	BOK	e	08	09	38		
08	BOK	e	10	05	15		
08	NDI	eP	10	44	20		
		i		44	21		
		e		44	23		
		e		44	30		
08	NDI	eP	10	44	58		
		i		45	01		
08	NDI	e	14	24	36		
		e		25	26		
08	POO	eP	14	33	55		
08	NDI	e	18	27	07		
08	Epc: 34.7°N, 141.4°E - H = 23h 00m 57.1s Depth 69 kms (USCGS) Mag. 4.2						
	NDI	eP	23	10	17		
		e		10	29		
08	DDI	eP	23	26	35.4		
	NDI	eP	23	26	55		10.3
		e		26	57		
		eS		28	53		
		i		28	57		
09	Epc: 44.0°N, 144.7°E. - H = 03h 09m 03.2s Depth 100 kms (USCGS) Mag. 4.6 (CGS)						
	NDI	eP	03	18	26		
09	PBA	ePg	03	47	39.6		0.8
		iSg		47	48.6		
09	BOK	e	05	02	37		
09	NDI	i	07	49	11		
		i		49	51		
09	NDI	e	08	30	52		

DATE	STN	PHASE	H	M	S		Δ Deg
09	NDI	i	08	59	25		
09	NDI	i	09	00	28		
09	PBA	iPg	09	25	08.5		0.7
		iSg		25	17.5		
09	NDI	i	13	00	38		
09	NDI	i	13	05	39		
		i		05	47		
		i		05	53		
09	KOD	iP	15	51	34.3	SW	
		i		51	35.3		
09	NDI	e	19	56	07		
09	NDI	eP	20	17	31		10.2
		eS		19	27		
10	NDI	i	02	17	38		
10	NDI	iP	03	47	04		
10	NDI	i	05	59	48		
10	PBA	eP	06	40	07.6		1.4
		iS		40	27.1		
10	BOK	e	08	03	08		
10	BOK	e	08	27	08		
10	BOK	e	09	22	26		
10	NDI	i	09	47	11		
10	NDI	eP	11	02	35		
10	Epc: 5.9°S, 113.1°E - H = 12h 01m 31.5s Depth 591 kms. Mag. 5.4 (CGS)						
	VIS	iP	12	07	57	DE	
		i		09	38		
	SHL	iP	12	07	59	CW	31.3
		iS		13	06		
	KOD	iP	12	08	10	DSE	
	POO	eP	12	09	01		
	NDI	iP	12	09	24	D	
	DDI	e	12	09	26		
		e		15	55		
	BOK	e	12	10	16		
		i		13	36		
	SEH	e	12	10	47		
	NDI	eP	12	11	12		
		e		15	39		

DATE	STN	PHASE	H	M	S		Δ Deg
10 Contd.	CAL	i	12	13	03		
	BHK	e	12	16	13		
10	NDI	e	14	03	29		
10	NDI	eP	18	28	36		
10	NDI	i	18	54	01		
		i		54	05		
		i		54	08		
10	Epc: 4.8°N, 127.1°E. - H = 19h 18m 14.7s Depth 118 km. Mag. 5.2(CGS)						
	SHL	iP	19	25	31		40.0
		iS		31	26		
	CHA	iP	19	26	08	C	
	KOD	iP	19	26	51.3	NW	
	NDI	iP	19	27	15	C	53.5
		eS		34	36		
	DDI	eP	19	27	15		
	POO	eP	19	27	22		
10	BOK	i	19	32	30		
11	NDI	iP	01	18	21.5	C	8.4
		eS		19	58		
11	NDI	eP	01	31	26		
11	Epc : 7.0°S. 155.8°E - H = 04h 17m 02.1s Depth 88 km, Mag. 4.8 (CGS)						
	SHL	iP	04	28	06	CS	
		i		28	29		
	KOD	iP	04	29	17	CNW	
	NDI	iP	04	29	20.8	C	
		i		29	33		
	POO	eP	04	29	27		
11	BOK	e	07	41	21		
11	SHL	iPg	07	51	23	SNE	1.2
		iSg		51	38		
11	BOK	e	08	10	25		
11	SHL	eP	09	20	58		
11	BOK	e	10	37	54		
11	BOK	e	11	11	42		
11	NDI	e	15	10	47		
11	NDI	i	15	11	38		

DATE	STN	PHASE	H	M	S		Δ Deg
11	NDI	eP	15	12	30.5		
11	SHL	iP	22	04	19	DE	
11	SHL	iPg	22	14	17	CNE	1.0
		eSg		14	30		
11	CHA	iP	22	14	58.4		3.6
		S		15	41.9		
12	SHL	ePg	01	14	17	CNE	1.0
		iSg		14	30		
12	NDI	i	02	26	36		
12	SHL	iP	04	36	17	CSW	
12	NDI	e	04	37	55		
12	NDI	i	08	00	08		
		i		00	11		
		i		00	39		
		i		00	44		
12	BOK	e	09	59	53		
12	SHL	iP	10	44	01	CN	
12	NDI	iP	10	44	24.7	D	
12	NDI	eP	13	32	35		8.3
		eS		34	10		
12	NDI	i	14	25	42		
		i		25	46		
12	NDI	eP	14	40	54		
12	KOD	i	14	41	12.2		
		i		41	12.6		
12	NDI	e	20	08	23		
12	Epc: 5.6°N, 82.6°W - H = 21h 00m 20.9s Depth 33 kms (USCGS)						
	NDI	ePKP	21	19	51		
		e		23	36		
	CHA	ePKP	21	20	03		
	POO	ePKP	21	20	03		
	SHL	iPKP	21	20	06		
	BOK	e	21	20	15		
	MDR	eP	21	20	24		
13	NDI	i	01	53	25		
13	NDI	eP	02	20	56		
13	SHL	eP	02	38	20		1.2
		iS		38	37		
13	PBA	eP	05	22	45		
13	NDI	e	05	44	15		
13	SHL	iP	07	49	20	D	
13	BOK	e	08	20	41		
13	BOK	e	08	58	04		
13	BOK	e	09	37	00		
13	SHL	iP	10	17	07	DSE	
13	Epc: 15.2°S, 74.9°W - H = 14h 20m 38.7s Depth 74 kms. (USCGS) Mag. 5.2 (CGS)						
	POO	ePKP	14	40	20		
	NDI	ePKP	14	40	21		
13	Epc: 40.7°N, 19.5°E. - H = 14h 38m 53.9s Depth 23 kms (USCGS) Mag. 4.4 (CGS)						
	NDI	eP	14	47	32		
	CHA	iP	14	48	36	D	
	SHL	iP	14	49	04	D	
13	SHL	iP	17	15	03	DSW	1.4
		iSg		15	22		
13	NDI	i	17	22	24		
13	POO	eP	18	07	08		
	NDI	e	18	09	10		
		e		09	11		
13	Epc: 0.2°S, 119.5°E. - H = 20h 06m 48.9s Depth 100 kms (USCG S)						
	SHL	iP	20	13	51	C	
	NDI	eP	20	15	32		
		e		15	45		
13	SHL	eP	20	45	30		
13	NDI	eP	21	08	06		
13	BHK	e	21	56	36.2		
		i		56	51		
	NDI	eP	21	57	26		
		e		58	15		
13	NDI	e	22	16	33		
14	NDI	e	02	16	05		

DATE	STN	PHASE	H	M	S	Δ Deg
14	NDI	i	02	34	13	
14	Epc: 11.4°S, 166.2°E - H = 02h 47m 53.0s Depth 80 kms (USCGS) Mag. 5.2 (CGS)					
	SHL	eP	03	00	03	
	NDI	eP	03	01	05	
		e		01	25	
	POO	iP	03	01	12.5 D	
14	Epc: 19.8°N, 38.9°E - H = 03h 11m 28.2s. Depth 33 km (USCGS). Mag. 4.7 (CGS)					
	NDI	eP	03	18	29	
14	PBA	ePg	03	20	05.5	0.9
		eSg		20	17.1	
	SHL	iP	03	20	14 C	
	KOD	i	03	23	18 DSW	
		i		23	18.5	
14	NDI	eP	03	24	40	
	KOD	iP	03	25	53	
	POO	eP	03	28	25	
14	PBA	e	03	31	13.1	
14	NDI	e	03	35	37	
14	Epc: 17.6°S, 72.3°W -H= 03h 19m 26.8s Depth 37 kms. Mag. 5.1					
	NDI	eP	03	39	11	
		e		39	16	
	POO	ePKP	03	39	11	
	KOD	i	03	39	28 D	
14	NDI	e	05	05	03	
14	SHL	iP	07	30	23 CNE	
14	BOK	e	07	54	51	
14	BOK	e	07	58	27	
14	Epc: 8.8°S, 124.1°E. -H= 09h 06m 22.2s Depth 23 Kms. Mag 5.3					
	SHL	eP	09	14	50	
	NDI	eP	09	16	18	
		e		17	34	
	BOK	e	10	17	33	
14	TOC	eP	11	44	21	
	SHL	iP	11	44	22 CNS	
	CHA	iP	11	45	24	
14	NDI	eP	11	47	29	14.1
		eS		50	07	
14	NDI	eP	11	56	29	08.5
		eS		58	06	
14	NDI	i	13	28	15	
14	SHL	iP	14	05	16 CN	
	NDI	iP	14	05	42.5	
14	NDI	eP	14	32	51	
14	NDI	eP	15	52	11	
14	PBA	i	16	00	51	
14	Epc: 16.4°S, 66.8°E -H= 18h 35m 46.7s Depth 33 kms (USCGS) Mag. 5.2 (CGS)					
	NDI	eP	18	44	08	
	SHL	iP	18	44	28 CNW	
14	Epc: 3.6°S, 149.4°E -H= 22h 36m 59.9s Depth 33 kms (USCGS) Mag. 4.6 (CGS)					
	SHL	iP	22	47	26	
	NDI	eP	22	48	47	
15	NDI	i	01	11	28	
		i		11	34	
15	NDI	i	01	11	36	
15	NDI	i	01	14	11	
15	NDI	i	01	16	08	
15	NDI	i	01	16	37	
15	Epc: 49.8°N, 78.1°E -H=03h 26m 57.4s. Depth 0 Mag. 5.4 (USCGS)					
	NDI	iP	03	31	45.3 SWC	
	SHL	iP	03	32	37 CS	
	POO	eP	03	33	22	
	KOD	iP	03	34	32.2	
		e		34	32.2	
15	BOK	e	07	34	52	

DATE	STN	PHASE	H	M	S		Δ Deg
15	BOK	e	07	50	49		
15	Epc: 51.5°N, 176.8°E - H = 08h 14m 59.3s Depth 32 kms (USCGS) Mag. 4.9						
	SHL	eP	08	25	54		
	POO	eP	08	27	26		
15	BOK	e	09	08	42		
15	BOM	e	09	44	30		
15	SHL	iP	10	05	26		
15	SHL	iP	10	22	56	DSW	1.4
		iSg		23	15		
15	CHA	e	14	04	12		
		e		07	19		
15	DDI	e	14	06	10.6		
		e		07	25.7		
15	BOK	e	14	09	26		
15	Epc: 6.8°N, 126.3°E - H =14h 40m 35.0s Depth 37 kms (USCGS) Mag. 5.3 (CGS)						
	SHL	eP	14	47	49		
	CHA	iP	14	48	27	D	
	KOD	iP	14	49	18	SW	
		i		49	18.8		
	NDI	iP	14	49	34.5		
	POO	eP	14	49	45		
15	SHL	eP	18	16	30		
15	BOK	e	19	40	41		
15	SHL	iPg	20	26	48	CNE	0.6
		iSg		26	56		
15	CHA	eP	20	27	51.8		3.1
		S		28	29.6		
		S		28	36		
15	SHL	iPg	21	19	09	CNW	0.2
		iSg		19	12		
16	SHL	iP	00	11	20	DNE	
	CHA	eP	00	12	35.3		
		e		13	13.5		
16	NDI	eP	01	47	43		9.5
		eS		49	32		
16	POO	iPg	02	30	14	D	

DATE	STN	PHASE	H	M	S		Δ Deg
16	NDI	i	06	10	18		
		i		10	23		
16	CHA	e	07	41	03		
16	Epc: 23.2°N, 87.2°E. Near Bankura, West Bengal. H=07h 44m 13s(New Delhi)						
	BOK	eP	07	44	42		1.4
		eS		45	01		
	CHA	e	07	45	16		
		eSn		45	57		
		Sg		46	18		
	SHL	iP	07	45	27	CNE	
	VIS	e	07	45	45		
		eS(?)		47	01		
		i		47	20		
	NDI	iP	07	46	45		10.1
		eS		48	40		
		i		49	02		
	POO	eP	07	47	17		12.4
		eS		49	37		
		i		50	59		
	SEH	eS	07	48	03		
		e		49	00		
	BOM	eP	07	47	25		
		e		50	29		
	MDR	e	07	49	14		
	KOD	i	07	50	02		
16	SHL	iPg	08	50	06	CNW	0.2
		iSg		50	08		
16	NDI	e	09	41	53		
16	NDI	eP	09	42	28		11.1
		eS		44	34		
16	NDI	i	10	02	27		
		i		03	00		
16	PBA	iP	13	42	21	D	9.7
		iS		44	12		
16	Epc: 0.8°S, 132.6°E -H=13h 34m 29.9s Depth 33 km (USCGS)						
	SHL	eP	13	43	02	C	47.5
		PP		44	59		
		iS		49	57		
		PS		50	08		
		SS		53	32		
	CAL	iP	13	43	21		11.8
		i		45	35		

DATE	STN	PHASE	H	M	S		Δ Deg
16	BOK	eP	13	43	36		51.3
Contd.		PcP		44	37		
		PP		45	33		
		iS		50	55		
		PS		51	04		
		PPS		51	14		
		ScS		52	54		
		SS		54	33		
		SSS		56	03		
	VIS	eP	13	43	37		52.3
		iPP		45	44		
		iPPP		46	48		
		iS		51	02		
		eSS		54	41		
		eSSS		56	30		
	CHA	iP	13	43	39	SW	52.9
		S		51	04		
		i		51	25		
	MDR	eP	13	43	50		54.3
		PP		45	56		
		PPP		47	06		
		iS		51	27		
		PS		51	38		
		SS		55	10		
	KOD	iP	13	44	12	CNW	55.7
		i		44	12.6		
		e		44	12.6		
		eS		51	58		
		PS		52	12		
		ScS		54	02		
		SS		55	54		
		SSS		57	44		
	NDI	eP	13	44	38		60.3
		PcP		45	26		
		i		46	02		
		PP		46	58		
		PPP		48	24		
		iS		52	52		
		PS		53	10		
		PPP		53	24		
		i		55	08		
		i		55	24		
		SS		57	00		
	DDI	eP	13	44	39		
	POO	iP	13	44	40	D	60.7
		iS		52	56		
	BOM	eP	13	44	51		62.0
		e		47	01		
		iPPP		47	34		
		e		52	51		
		S		53	11		
	BHK	e	13	45	02		
		e		53	28		

DATE	STN	PHASE	H	M	S		Δ Deg
16	NDI	eP	15	56	47	CS	8.5
		eS		58	25		
16	SHL	iP	15	58	19	CSE	1.2
		iS		58	36		
17	NDI	e	02	57	00		
17	BOK	e	08	47	56		
17	BOK	e	08	57	41		
17	BOK	e	09	08	27		
17	BOK	e	09	13	23		
17	BOK	e	09	42	53		
17	NDI	eP	09	59	29		8.5
		eS	10	01	07		
17	Epc: 38.3°N, 142.1°E -H= 12h 36m 07.7s. Depth 33 kms (USCGS). Mag. 4.5						
	SHL	iP	12	44	13	DNE	
	NDI	iP	12	45	29.5	C	
	POO	eP	12	46	25		
17	NDI	iP	17	59	45	C	
17	SHL	iP	23	19	20	CNW	
17	CHA	iP	23	20	17	D	7.2
		eS		23	40		
17	NDI	iP	23	22	19		
18	NDI	eP	06	33	31		
18	SHL	eP	06	51	08		
18	PBA	ePg	08	51	illegible		0.7
		iSg		51	23.4		
18	BOK	e	09	20	33		
18	NDI	e	09	32	28.5		
18	KOD	iP	11	01	12.5	NW	
		e		illegible			
18	KOD	iP	11	05	11	SW	
18	Epc: 40.1°N, 142.4°E. - H = 16h 59m 21.9s Depth 52 kms. Mag. 4.4						
	SHL	iP	17	07	28	DS	
	NDI	eP	17	08	42		
19	NDI	i	03	02	58		
19	CHA	eP	06	38	19.6		
		i		41	19.8		

DATE	STN	PHASE	H	M	S	Δ Deg	
19	BOK	e	08	13	03		
19	BOK	e	08	26	12		
19	BOK	e	08	44	38		
19	NDI	e	08	59	32		
		e	09	00	35		
		e		02	11		
19	NDI	e	09	10	47		
19	NDI	e	09	14	05		
19	NDI	e	09	15	06		
19	NDI	e	09	30	20		
19	NDI	e	09	58	40		
19	NDI	e	09	58	57		
19	NDI	e	09	59	30		
19	SHL	iP	13	10	29		C
	NDI	iP	13	11	25		C
	KOD	iP	13	12	40		DSW
19	NDI	e	14	01	59		
19	NDI	e	14	02	59		
19	PBA	iP	14	38	48		D
19	Epc: 36.5°N, 70.3°E.						
	- H = 17 h 28m 32.2s						
	Depth 223 kms (USCGS)						
	Mag. 4.7						
	DDI	eP	17	30	14.7		
		i		32	44.2		
	NDI	eP	17	30	25		8.8
		eS		32	06		
	BHK	e	17	31	43		
	CHA	iP	17	32	08.1		D
		i		32	07.6		
	SHL	eP	17	32	53		
	POO	e	17	37	31		
19	NDI	i	17	58	58		
19	Epc: 20.2°S, 67.1°E						
	-H = 20h 40m 49.9s						
	Depth 33 kms (USCGS)						
	Mag. 4.8 (CGS)						
	NDI	eP	20	49	41		
	SHL	iP	20	49	56		SW
19	SHL	iPg	21	41	36		DN 1.2
		iSg		41	52		
19	Epc: 8.6°S, 157.7°E						
	- H = 22h 24m 12.4s						
	Depth 33 kms (USCGS)						
	Mag. 5.2 (CGS)						
p	SHL	iP	22	35	37		CSE
	NDI	eP	22	36	40		
19	NDI	iPn	22	43	50.2		CSW 1.7
		iSn		44	13.2		Mag.2.6
19	POO	eP	22	47	55		
20	SHL	eP	01	34	36		
20	NDI	eP	03	16	43		
20	Epc: 1.2°S, 126.7°E						
	- H = 05h 47m 31.4s						
	Depth 73 kms (U SCGS)						
	Mag. 4.9 (CGS)						
	SHL	iP	05	55	24		DE
	MDR	eP	05	56	06		
	PBA	e	05	57	02.3		
	NDI	iP	05	57	02.8		
	DDI	iP	05	57	04		C
	KOD	e	06	01	22		SW
20	NDI	i	06	46	30		
20	NDI	e	06	48	07		
20	NDI	iP	07	07	24.6		3.5
		eS		08	08		
20	BOK	e	08	17	24		
20	BOK	e	09	10	53		
20	SHL	eP	09	12	05		
20	NDI	i	09	45	29		
20	NDI	i	10	07	03		
20	Epc: 6.3°S, 147.0°E						
	- H = 11h 40m 41.2s						
	Depth 61 kms (USCGS)						
	Mag. 5.1 (CGS)						
	SHL	iP	11	50	59		CE
	MDR	eP	11	51	44		
	KOD	iP	11	51	58.8		SE
		e		51	58.8		

DATE	STN	PHASE	H	M	S		Δ Deg
20 Contd.	NDI	iP	11	52	20.6	E	
	POO	eP	11	52	25		
20	Epc: 28.1°S, 66.9°W - H = 13h 11m 35s Depth 57 km (USCGS) Mag. 5.3 (CGS)						
	DDI	iP	13	28	04		
		i		29	26		
	BHK	e	13	28	16		
		i		29	09		
	NDI	iP	13	28	27	NW	
	CHA	iP	13	29	17		
	SHL	eP	13	30	03		
	POO	eP	13	30	50		
	KOD	iP	13	30	52	CSW	
	MDR	eP	13	30	58		
		e		31	41		
20	NDI	iPKP	13	31	05		
		i		31	45		
	DDI	iPKP	13	31	08		
		i		31	48		
	CHA	iPKP	13	31	11		
		i		31	46		
20	Epc: 51.4°N, 178.3°E - H = 14h 26m 14.1s Depth 33 kms (USCGS) Mag. 5.3 (CGS)						
	SHL	iP	14	37	13	CSW	
	CHA	iP	14	37	26	C	
	NDI	iP	14	37	50.8	NWE	
	POO	iP	14	38	44.6	C	
	KOD	eP	14	39	06		
20	Epc: 7.7°N, 134.9°E - H = 15h 36m 20.1s Depth 8 kms.						
	PBA	eP	15	44	12		43.0
		i		46	11		
		S		50	39		
	SHL	iP	15	44	34	CNW	44.2
		PP		46	24		
		PPP		46	52		
		iS		51	08		
		SS		54	26		
		LR		56	50		
20 Contd.	CAL	iP	15	44	50	W	46.5
		PP		46	43		
		iS		51	38		
		SS		55	05		
	CHA	iP	15	45	10	C	49.4
		i		46	08		
		PcP		46	22		
		PP		47	15		
		PPP		47	58		
		S		52	17		
		PPS		52	28		
		SS		55	47		
	BOK	iP	15	45	13	CW	48.8
		eP		45	13		
		PcP		46	30		
		PPP		48	04		
		PcS; ScP		50	23		
		iS		52	16		
		ScS		54	57		
		SS		55	40		
		SSS		57	04		
	VIS	eP	15	45	26	DE	50.8
		iS		52	42		
		ePS		52	49		
		ePPS		52	56		
		eSS		56	06		
		eSSS		57	51		
	MDR	eP	15	45	46		53.8
		PP		47	43		
		PPP		49	13		
		iS		53	20		
		PS		53	31		
		PPS		53	39		
		SS		56	57		
		SS/LQ		58	57		
	KOD	eP	15	46	05.5	W	56.8
		i		46	07		
		iS		53	58		
		i		54	08		
		PPS		54	20		
		ScS		55	52		
		SS		57	48		
		SSS		59	56		
		LQ	16	00	50		
		LR		03	36		
	SEH	iP	15	46	11		
	DDI	eP	15	46	12.4		57.4
		PP		48	21.1		
		PPP		49	22.7		
		iS		54	08.6		
		SS		58	01.8		
		SSS		59	37		
		LR	16	02	24.9		

DATE	STN	PHASE	H	M	S		Δ Deg
20 Contd.	NDI	iP	15	46	13.7	NW	57.2
		PcP		47	09		
		PP		48	31		
		PPP		49	49		
		PcS		51	05		
		S		54	09		
		PS		54	23		
		PPS		54	31		
		ScS		56	00		
		SS		57	56		
		SSS	16	00	24		
	BHK	iP	15	46	24		
	POO	iP	15	46	28	C	60.0
		iS		54	40		
		PS		54	52		
		PPS		54	59		
		SSS	16	01	14		
	BOM	iP	15	46	36	NWC	60.5
		PcP		47	21		
		PP		48	50		
		PPP		50	18		
		PcS		51	22		
		eS		54	51		
		PS		55	06		
20	CHA	iP	19	13	05	D	
20	NDI	eP	20	07	09		10.7
		eS		09	11		
20	SHL	iP	22	31	40	DE	
20	SHL	iPg	23	47	44	CSE	0.9
		iSg		47	55		
21	NDI	e	02	31	02.8		
21	Epc: 4.8°S, 101.4°E - H = 07h 02m 07.6s Depth 33 kms. Mag. 5.0						
	SHL	iP	07	08	30	CWE	
	CHA	eP	07	08	45		
	POO	eP	07	09	08		
	NDI	eP	07	09	45	D	
		iPP		10	00		
21	BOK	e	08	15	34		
21	BOK	e	08	32	29		
21	SHL	iP	09	39	21	DW	
21	NDI	iPg	11	52	37.6	SC	0.4
		iSg		52	42.6		
21	SHL	eP	12	31	36		
21	SHL	iPg	16	44	12	CNW	0.6
		iSg		44	20		
21	NDI	eP	17	35	47		
		i		35	51		
21	SHL	iP	23	45	19	CNW	2.2
		iS		45	47		
22	NDI	eP	04	16	42		
22	Epc: 10.9°S, 16 5.8°E. - H = 05h 28m 34.1s Depth 64 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	iP	05	40	42	C	
22	BOK	e	09	01	37		
22	BOK	e	09	31	55		
22	NDI	eP	10	03	44		8.8
		eS		05	25		
22	BOK	e	10	30	57		
22	SHL	iP	11	16	13	CS	
22	CHA	iPg	13	02	53.4	D	1.5
		Sg		03	12.7		
22	BHK	ePn	13	47	02		1.6
		eSn		47	24		
	NDI	ePn	13	47	48.6		2.8
		P		47	53.5		
		Pg		47	58.4		
		iSn		48	23.6		
		Sg		48	34.6		
		i		48	37.8		
	POO	eP	13	53	51		
22	TOC	iP	14	03	14		
	SHL	iP	14	03	24	D	2.0
		iS		03	50		
	CHA	iPg	14	03	31.9	D	2.6
		S		03	55.2		
		Sg		04	06.7		
	POO	eP	14	07	17		
	NDI	eP	14	07	29	D	
		i		07	35		
22	NDI	eP	14	57	39		10.6
		eS		59	40		
22	Epc: 40.7°N, 30.8°E - H = 16h 56m 53.3s Depth 4 kms (USCGS) Mag. 6.0 (CGS)						

DATE	STN	PHASE	H	M	S		Δ Deg.
22	NDI	iP	17	04	25.1	D	39.4
Contd.		i		04	51		
		PP		06	06		
		PPP		06	32		
		i		08	47		
		S		10	27		
		PPS		10	58		
		i		12	05		
		LQ		13	35		
		SSS		13	56		
		LR		15	03		
	DDI	eP	17	04	25.8		38.7
		PP		05	58.1		
		PPP		06	19.8		
		iS		10	23.5		
		SS		13	07.1		
		LQ		13	22.1		
		SSS		13	30.3		
		LR		15	16.8		
		M		18	--		
	BOM	iP	17	04	47	DNW	41.7
		PP		06	25		
		iPcP		06	36		
		i		09	10		
		iS		11	05		
		i		11	18		
		SSS		14	45		
	SEH	eP	17	04	50		42.2
		eS		11	11		
	POO	eP	17	04	54	C	43.5
		PP		06	39		
		PPP		07	05		
		eS		11	24		
		SS		14	30		
	CHA	iP	17	05	37	D	48.5
		PcP		06	57	M=7½	
		PP		07	34		
		PPP		08	15		
		S		12	36		
		i		13	51		
		SS		15	49		
	BOK	iP	17	05	38	DW	47.7
		PP		07	32		
		PPP		08	17		
		PcS		10	55		
		iS		12	34		
		PPS		12	43		
	VIS	iP	17	05	52	DW	50.3
		iS		13	05		
		iPS		13	15		
		iPPS		13	23		
		iSS		16	40		
		iSS S		18	16		

DATE	STN	PHASE	H	M	S		Δ Deg.
22	MDR	iP	17	05	56	CE	50.7
Contd.		PP		07	55		
		PPP		08	48		
		iS		13	11		
		PS		13	18		
		PPS		13	20		
	KOD	iP	17	05	58.4	DNE	53.5
		i		05	58.6		
		iS		13	30		
		e		13	30		
		PS		13	46		
		PPS		13	55.5		
		ScS		16	03		
		SS		17	12		
		SSS		19	10		
		LR		21	51		
		M		29	37		
	CAL	iP	17	06	02		51.1
		iS		13	21		
	SHL	iP	17	06	06	C	52.3
		PP		08	14		
		iS		13	31		
		PS		13	38		
		PPS		13	57		
		ScS		16	01		
		SS		16	49		
	TOC	eP	17	06	20		
	PBA	iP	17	07	11	C	61.5
		iS		15	32		
		SS		19	32		
	BHK	e	17	10	08		
22	NDI	iP	17	14	16.1	D	08 .4
		iS		15	52		
22	NDI	i	17	55	19		

22 Epc: 40.6°N, 30.7°E.
- H = 17h 48m 06.0s
Depth 26 kms (USCGS)
Mag. 5.0 (CGS)

NDI	iP	17	55	37	DSE
CHA	iP	17	56	37	D

22	NDI	iP	18	16	11

22 Ep c: 40.8°N, 30.4°E
- H = 18h 09m 55.7s
Depth 33 kms (USCGS)
Mag. 5.0 (CGS)

NDI	eP	18	17	26	
POO	eP	18	17	54	

DATE	STN	PHASE	H	M	S		Δ Deg
22	CHA	iP	18	18	36	C	
Contd.	SHL	eP	18	19	06		
22	NDI	eP	19	54	05		
22	Epc: 40.6°N, 30.4°E - H = 20 h 35m 40.8s Depth 16 kms (USCGS) Mag. 4.5 (CGS)						
	NDI	eP	20	43	17		
22	E pc: 40.5°N, 30.5°E -H= 21h 21m 34.1s Depth 16 kms (USCGS) Mag. 4.4 (CGS)						
	NDI	eP	21	29	10		
22	SHL	iP	22	11	39	CS	
22	Epc: 40.6°N, 30.7°E. - H = 23h 41m 59.5s Depth 33 kms (USCGS) Mag. 4.7 (CGS)						
	NDI	iP	23	49	31.7	D	
	SHL	iP	23	51	11	C	
23	Epc: 36.9°N, 71.4°E - H = 01h 16m 42.8s Depth 180 kms (USCGS) Mag. 4.6 (CGS)						
	NDI	eP	01	18	56		08.8
		eS		20	38		
	SHL	iP	01	21	13	D	
	POO	eS	01	24	47		
23	NDI	eP	02	18	13		
23	NDI	i	02	34	38		
23	SHL	iP	03	21	14	CW	
23	NDI	eP	03	50	10		08.7
		iS		51	49		
23	SHL	iPg	04	07	06	DNE	0.6
		iSg		07	14		
23	PBA	ePg	04	55	39.9		0.3
		iSg		55	43.9		
23	SHL	eP	06	11	55		1.3
		iS		12	13		
23	TOC	ePg	07	33	13		
		e		33	31		
	SHL	iP	07	33	36	DSE	1.2
		iS		33	53		
23	SHL	iP	13	56	22	DN	1.2
		iS		56	39		
23	NDI	eP	14	59	11		08.8
		eS	15	00	52		
23	CHA	iPg	15	12	07.8	D	1.4
		Sg		12	27	M=3¾	
	SHL	iP	15	12	51	DNW	4.5
		iS		13	45		
	BOK	e	15	13	18		
	NDI	eP	15	13	41		7.8
		eS		15	11		
	POO	eS	15	17	55		
23	KOD	iP	17	50	43.5	SW	
23	KOD	eP	17	51	12.5	SW	
		e		51	12.6		
	POO	eP	17	53	26		
23	SHL	iP	19	22	07	DNE	
	CHA	eP	19	23	01		
		i		23	33		
		i		23	59.8		
		i		24	30		
23	SHL	iP	23	55	06	DE	2.8
		iS		55	41		
	TOC	e	23	55	42		
24	NDI	iPg	00	47	22.7		0.5
		iSg		47	29.4		
		i		47	36.5		
24	NDI	e	04	28	24		
24	Epc: 8.3°S, 121.3°E - H = 07h 39m 31.7s Depth 197 kms (USCGS) Mag. 5.7 (CGS)						
	SHL	iP	07	47	23	CNW	
	KOD	iP	07	47	47	SE	
	CHA	e	07	47	55		
	NDI	eP	07	48	50		56.1
		e		49	38		
		e		53	27		
		S		56	20		
		e		58	17		
24	BOK	e	09	07	56		
24	PBA	iPg	09	33	20.8		0.2
		iSg		33	22.8		

DATE	STN	PHASE	H	M	S	Δ Deg	
24	BOK	e	09	58	21		
24	SHL	eP	10	40	37		
24	PBA	ePg	11	13	00.8	0.8	
		iSg		13	11.3		
24	DDI	eP	11	32	33	2.8	
		eS		33	07.2		
	NDI	ePn	11	32	55	4.2	
		eP		33	03		
		eSn		33	46		
		i		33	51		
		iS		33	59		
	CHA	i	11	33	39		
	SHL	eP	11	34	35		CS
24	NDI	i	13	28	45		
		i		29	13		
24	DDI	i	15	24	59		
24	NDI	e	15	25	09		
		e		25	46		
24	Epc: 33.1°N, 142.1°E - H = 15h 27m 45.4s Depth 22 kms (USCGS) Mag. 4.6 (CGS)						
	NDI	eP	15	37	16		
	POO	eP	15	38	05		
24	CHA	iP	23	45	46		
25	Epc: 33.1°N, 142.0°E - H = 00h 33m 02.8s Depth 35 kms (USCGS) Mag. 4.5 (GCS)						
	NDI	eP	00	42	32		
25	NDI	iSg	01	54	11		
25	NDI	iP	07	38	28		C
		i		39	17.5		
25	KOD	eP	07	51	31		SE
		i		35	52.3		
255	BOK	e	07	52	46		
25	BOK	e	08	37	14		
25	BOK	e	09	20	13		
25	SHL	eP	14	57	42		
25	NDI	iPg	15	50	27	0.1	
		iSg		50	28.8	M=2.5	

DATE	STN	PHASE	H	M	S	Δ Deg	
26	NDI	e	02	44	44		
		e		44	49		
26	NDI	e	03	02	57		
26	NDI	e	03	22	40		
26	NDI	e	03	36	15		
26	NDI	e	03	36	16		
26	NDI	e	07	42	29		
26	BOK	e	07	53	49		
26	BOK	e	08	25	39		
26	BOK	e	08	37	04		
26	Epc: 41.0°N, 133.9°E - H = 12h 20m 19.0s Depth 564 kms (USCGS) Mag. 3.9 (CGS)						
	SHL	iP	12	26	52		DNW
	NDI	iP	12	28	04		DW
26	CHA	iP	18	39	21.5		D
26	Epc: 39.5°N, 40.4°E -H:= 18h 53m 01.3s Depth 33 kms (USCGS) Mag . 5.6 (CGS)						
	DDI	iP	18	59	25		
		i	19	00	49.6		
		i		06	16.2		
	NDI	iP	18	59	27.5		WE 32.8
		PPP	19	00	49		
		eS		04	41		
		i		05	42		
		SSS		06	54		
	BOM	eP	18	59	54	35.6	
		eS	19	05	27		
		SS		07	42		
		LR		09	52		
	POO	eP	18	59	59	36.4	
		eS	19	05	38		
	CHA	iP	19	00	41		C
	BOK	eP	19	00	47		
		eS		07	03		
	VIS	eP	19	00	58	43.6	
		eS		07	25		
	SHL	iP	19	01	15		DNE 45.2
		iS		07	52		

DATE	STN	PHASE	H	M	S	Δ Deg	
26	TOC	eP	19	01	24		
	MDB	e	19	07	07		
	CAL	i	19	07	35		
		i		12	12		
26	NDI	e	22	12	51		
		e		13	36		
26	CHA	iP	23	44	17.4		C
27	Epc: 6.8 °S, 155.4°E - H = 00h 08m 40.1s Depth 54 kms (USCGS) Mag. 5.2 (CGS)						
	SHL	eP	00	19	59		DSE
	CHA	iP	00	20	35		D
	NDI	eP	00	21	14		
27	KOD	eP	07	51	31		SE
		i		51	32		
27	KOD	iP	08	12	14		NW
27	KOD	eP	08	21	37		SW
		i		21	37.6		
27	BOK	e	08	55	15		
27	BOK	e	11	03	43		
27	Epc: 35.1°S, 54.0°E. - H = 11h 35m 33.8s Depth 33 kms (USCGS) Mag. 5.0 (CGS)						
	POO	eP	11	45	29		
	NDI	eP	11	46	25		
27	CHA	iP	15	35	46		C
27	NDI	i	17	07	30		
27	NDI	i	17	08	01		
27	NDI	iP	21	41	15.5		SEC 8.5
		iSS		42	53		
	CHA	iP	21	42	48.5		C
		e		45	51		
28	SEH	i	01	26	03		
		i		26	06		
28	NDI	e	04	05	45		
28	NDI	e	05	03	10		
28	Epc: 22.1°S , 169.9°E - H = 05h 16m 28.2s Depth 33 kms (USCGS) Mag. 4.1 (CGS)						

DATE	STN	PHASE	H	M	S	Δ Deg	
28 Contd.	SHL	iP	05	29	24		D
28	SHL	iP	06	01	17		CW
28	NDI	e	06	02	42		
28	SHL	iPg	07	03	15		DSW 0.5
		iSg		03	21		
28	BOK	e	09	20	24		
28	SHL	iP	09	59	17		DNE
28	NDI	iPn	10	00	33.5		D 2.8
		P		00	36.5		
		Sn		01	08.5		
		i		01	17.6		
28	SHL	iPg	10	55	49		DNE 1.0
		iSg		56	02		
28	SHL	eP	11	46	43		
28	Epc: 2.1°N, 98.0°E - H = 17h 27m 35.7s Depth 32 kms. Mag.5.1(CGS)						
	KOD	iP	17	32	31.6		SW
	SHL	iP	17	32	49		CNE
	BOK	iP	17	32	56		
	CHA	iP	17	33	15		C
		i		33	40.5		
	NDI	iP	17	34	10.5		NEC
28	Epc: 8.4°S, 116.9°E - H = 20h 06m 53.7s Depth 63 kms. Mag.5.4 (CGS)						
	SHL	iP	20	14	39		SW
	CHA	eP	20	15	07		
	NDI	eP	20	16	05		
		i		16	42		
28	SHL	iP	20	36	15		DS
	CHA	iP	20	36	42		C
	NDI	iP	20	37	35		
		i		37	38		
28	CHA	ePg	21	37	18.6		0.6
		Sg		37	26.4		
28	Epc: 23.9 °N, 125.4°E - H = 22h 45m 07.1s Depth 14 kms. Mag. 4.9 (CGS)						
	SHL	iP	22	51	22		SW
	CHA	iP	22	52	00		C

DATE	STN	PHASE	H	M	S		Δ Deg
28	NDI	eP	22	53	10		
28	Epc: 5.2°S, 145.0°E - H = 23h 38m 59.9s Depth 81 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	iP	23	49	00	CSW	
	NDI	eP	23	50	23		
29	PBA	e	02	58	46.4		
29	Epc: 6.6°S, 155.2°E - H =05h 20m 05.3s Depth 381 kms (USCGS) Mag. 5.0 (CGS)						
	SHL	iP	05	30	35	NE	
29	SHL	eP	07	31	59		
29	NDI	ePn	08	58	34.7	D	2.2
		eSn		59	03.1		
29	Epc: 6.8°N, 73.0°W -H= 10h 24m 24.6s Depth 161 kms. Mag.6.0 (CGS)						
	NDI	e	10	43	23		
		iPKP		43	27		
		pPKP		44	10		
		SPKP		46	43		
		i		48	00		
	DDI	ePKP	10	43	26		
		e		46	58		
	POO	ePKP	10	43	27		
		PKS		46	54		
		i	11	08	50		
	BOM	ePKP	10	43	29		144.6
		ePP		46	52		
		e		47	09		
		e	11	00	44		
	CHA	ePKP	10	43	39		148.6
		PP		47	18		
		i		48	05		
	BOK	ePKP	10	43	40		
		sPKP		44	36		
		PKS		47	20		
		i	11	05	27		
	SHL	iPKP	10	43	42	CS	
	TOC	ePKP	10	43	47		
	KOD	iPKP	10	43	47	D	
		i		58	45		
	MDR	ePKP	10	43	49		
		i		44	17		

DATE	STN	PHASE	H	M	S		Δ Deg
29 Contd.	MDR	i	10	44	33		
		pPKP		44	45		
		i		45	34		
		i		48	01		
		e		58	13		
	CAL	iPKP	10	43	50		149.4
		ePP		47	32		
	VIS	iPKP	10	43	52	DNW	61.3
		e		52	12		
	PBA	iPKP	10	44	05	CS	
		e		47	02		
		iSS	11	08	15		
29	SHL	iP	11	27	12	DW	
	TOC	iP	11	27	43		
	CHA	e	11	28	11		
29	Epc: 35.5°N, 70.8°E -H = 14h 12m 18.9s Depth 194 kms (USCGS) Mag. 4.6 (CGS)						
	NDI	iP	14	14	22.2	DNW	9.1
		eS		16	03.5		
29	Epc: 7.0°S,,155.8°E -H= 14h 19m 03.7s Depth 85 kms (USCGS) Mag. 4.6 (CGS)						
	SHL	iP	14	30	08	D	
29	SHL	iP	14	31	19	CS	1.6
		iS		31	41		
	TOC	e	14	31	47		
		e		31	49		
29	CHA	eP	15	58	32		
29	CHA	iP	15	59	25		
29	Epc: 10.6°N, 67.3°W -H = 23h 59m 58.7s Depth 10 kms (USCGS)						
30	NDI	ePKP	00	19	08		
		i		21	32		
		SKP		22	40		
	CHA	ePKP	00	19	29		135.8
		PP		22	11		
		e		23	20		
	SHL	ePKP	00	19	29		
	POO	ePKP	00	19	30		
		e		40	08		

DATE	STN	PHASE	H	M	S		Δ Deg
30 Contd.	BOM	ePKP	00	19	31		142.5
		ePP		22	42		
	KOD	iPKP	00	19	46	E	
		i		35	02		
	PBA	iPKP	00	19	58		
		i		26	20		
	MDR	e	00	23	32		
		e		40	52		
	DDI	i	00	41	52		
		i	01	08	14.2		
30	Epc 40.7°N, 30.4°E H=01h 31m 01.7s Depth 16 kms (USCGS) Mag. 5.6 (CGS)						
	NDI	iP	01	38	35.3	DNE	39.5
		eS		44	38		
		e		44	39		
	CHA	iP	01	39	44	D	
	SHL	iP	01	40	14	DW	
30	NDI	i	02	13	12		
30	NDI	e	02	41	07		
		i		41	11		
30	NDI	i	02	42	18		
		e		42	21		
30	NDI	eP	03	44	43		
30	Epc 22.0°N, 143.8°E H= 03h 37m 22.7s Depth 121 kms (USCGS) Mag. 5.1 (CGS)						
	SHL	eP	03	45	47		
		e		47	28		
	NDI	eP	03	47	17		
		e		47	28		
30	SHL	eP	05	13	05		2.7
		iS		13	39		
30	NDI	e	05	53	17		
30	NDI	e	07	55	21		
30	BOK	e	08	34	54		
30	Epc 9.8°S, 117.0°E H=09h 43m 03.8s Depth 33 kms (USCGS) Mag. 4.5 (CGS)						
	NDI	eP	09	52	39		
	SHL	eP	11	02	50		
	BOK	e	11	13	28		
		i		20	52		
30	POO	e	11	34	44		
30	NDI	i	12	59	49		
30	NDI	i	13	00	26		
30	Epc 5.3°S, 153.6°E H = 13h 35m 14.4s Depth 50 kms, Mag. 5.2 (CGS)						
	SHL	iP	13	46	06	CW	67.9
		eS		55	04		
	CHA	iP	13	46	34	C	
		i		55	58		
	BOK	iP	13	46	36	CW	73.0
		iS		55	58		
		SKS		56	24		
		PS		57	32		
		SS	14	00	34		
		SSS		03	49		
	VIS	eP	13	46	40		74.7
		eS		56	11		
	KOD	eP	13	47	06	SE	
	NDI	iP	13	47	23	CW	81.9
		PP		50	28		
		PPP		52	20		
		S		57	31		
		SKS		57	40		
		PS		58	20		
		SS	14	02	44		
		e		03	18		
	DDI	iP	13	47	23.2		
	POO	eP	13	47	30		
	BOM	e	13	57	58		
30	CHA	iP	14	18	17	C	
30	Epc 2.3°S, 126.3°E H =18h 19m 28.8s Depth 33 kms (USCGS) Mag. 4.4 (CGS)						
	SHL	iP	18	27	30	C	

DATE	STN	PHASE	H	M	S		Δ Deg
30	Epc: 15.9°N, 121.2°E. - H = 20h 23m 18.1s Depth 17 (kms) (USCGS) Mag. 4.7 (CGS)						
	SHL	iP	20	29	19		
30	NDI	eP	20	31	06		
30	NDI	e	20	32	38		
30	Epc: 46.0°N, 153.1°E - H = 23h 03m 15.8s Depth 33 kms (USCGS) Mag. 4.5 (CGS)						
	SHL	iP	23	12	26	DNE	
	NDI	eP	23	13	25		
31	NDI	i	02	22	18		
31	NDI	i	02	31	33		
31	NDI	i	02	32	20		
31	NDI	i	03	11	31		
31	SHL	iP	05	18	54	CSE	
	CHA	iP	05	19	04	C	2.6
		S		19	37		
	BOK	e	05	20	21		
31	NDI	e	05	23	10		
31	NDI	e	05	24	09		
31	NDI	e	05	25	00		
31	NDI	i	05	44	13		
31	CHA	iPg	07	45	36	C	0.6
		Sg		45	44.2		
31	BOK	e	08	38	08		
31	BOK	e	08	59	49		
31	BOK	e	09	00	37		
31	BOK	e	09	07	49		
31	BOK	e	09	34	04		
31	POO	eP	09	42	51		
31	NDI	e	09	46	15		
31	Epc: 22.9°N, 144.1°E - H = 15h 58m 40.1s Depth 33 kms (USC G S) Mag. 4.5 (CGS)						
	NDI	ePP	16	08	46		
	POO	eP	16	09	14		
31	TOC	eP	18	56	57		
		i		57	34		
	SHL	iP	18	57	13	DSE	
	CHA	iP	18	58	13.4	D	0.9
		eS		59	57.1		
	NDI	e	19	00	29		
		e		03	21		
31	Epc: 27.5°N, 142.9°E - H= 23h 45m 10.4s Depth 33 kms.(USCGS) Mag. 4.8 (CGS)						
	SHL	eP	23	53	34		
	NDI	iP	23	54	54		

Station: BOKARO

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
01	00	2	1.1	5.8
	06	...	-	-
	12	3	1.0	6.1
	18	3	0.9	6.0
02	00	...	-	-
	06	...	-	-
	12	3	1.0	5.9
	18	3	1.1	5.8
03	00	3	0.9	6.3
	06	...	-	-
	12	3	0.9	5.8
	18	3	0.9	6.0
04	00	3	0.8	5.7
	06	3	0.9	5.6
	12	3	0.9	5.8
	18	3	0.8	5.4
05	00	...	-	-
	06	3	0.7	5.6
	12	3	0.6	5.2
	18	3	0.8	5.2
06	00	3	0.5	5.2
	06	3	0.7	5.6
	12	3	0.6	5.3
	18	3	0.5	5.7
07	00	3	0.5	5.0
	06	3	0.6	5.3
	12	3	0.5	5.3
	18	3	0.5	5.2
08	00	...	-	-
	06	3	0.5	4.8
	12	3	0.3	4.4
	18	3	0.3	4.2
09	00	3	0.3	4.8
	06	3	0.3	3.7
	12	3	0.5	5.1
	18	3	0.4	5.1
10	00	3	0.6	5.2
	06	3	0.5	5.3
	12	3	0.7	5.1
	18	3	0.8	5.7
11	00	3	0.8	5.4
	06	3	0.6	5.2
	12	3	0.7	5.4
	18	3	1.1	5.5
12	00	3	0.9	5.3
	06	3	0.7	5.4
	12	3	0.8	5.7
	18	3	0.7	5.5
13	00	3	0.8	5.3
	06	3	0.6	5.1
	12	3	0.7	5.2
	18	3	0.6	5.3
14	00	3	0.5	5.0
	06	3	0.5	5.6
	12	3	0.5	5.0
	18	3	0.5	5.0
15	00	3	0.5	5.2
	06	3	0.4	4.9
	12	3	0.5	5.0
	18	3	0.3	4.7
16	00	3	0.3	4.6
	06	3	0.3	5.0
	12	3	0.3	4.8
	18	3	0.3	4.8
17	00	3	0.3	4.9
	06	3	0.4	5.0
	12	3	0.4	4.9
	18	3	0.5	4.9
18	00	3	0.4	5.1
	06	3	0.5	5.3
	12	3	0.6	5.6
	18	3	0.5	5.2
19	00	3	0.5	5.2
	06	3	0.5	5.4
	12	3	0.5	5.5
	18	3	0.6	5.4
20	00	3	0.7	5.0
	06	...	-	-
	12	3	0.8	4.8
	18	3	0.7	5.0
21	00	3	0.7	4.9
	06	3	0.7	5.2
	12	3	0.7	5.4
	18	3	0.5	5.0
22	00	3	0.4	5.4
	06	3	0.5	4.2
	12	3	0.5	5.0
	18	...	-	-
23	00	3	0.5	5.0
	06	3	0.3	4.5
	12	3	0.4	4.4
	18	3	0.5	4.8
24	00	3	0.5	4.6
	06	3	0.5	4.5
	12	3	0.5	4.1
	18	3	0.5	4.2

JULY 1967

DATE	HOUR	K	MEAN AMPLITUDE in mm	MEAN PERIOD in sec
Station: BOKARO				
25	00	3	0.5	4.2
	06	3	0.5	4.6
	12	3	0.6	4.7
	18	3	0.7	5.0
26	00	3	0.6	5.2
	06	3	0.8	5.1
	12	3	0.8	5.0
	18	3	0.8	5.3
27	00	3	0.9	5.0
	06	3	1.2	5.4
	12	3	1.3	5.3
	18	3	1.3	5.3
28	00	3	1.0	5.2
	06	3	1.2	5.1
	12	3	1.2	5.6
	18	3	1.0	5.3
29	00	3	0.8	4.9
	06	3	0.9	5.6
	12	...	-	-
	18	3	0.8	5.2
30	00	3	0.9	5.3
	06	3	1.0	5.7
	12	3	1.1	5.8
	18	3	1.2	5.9
31	00	3	1.1	5.6
	06	3	1.3	5.4
	12	3	1.1	5.4
	18	3	1.5	4.9
Station: BOMBAY (Colaba)				
01	00	3	2.6	4.1
			1.9	3.0
	06	3	3.0	4.2
			1.7	3.0
	12	3	3.0	4.0
			1.5	2.3
	18	3	2.9	4.0
			1.6	2.6
02	00	Surface waves		
	06	3	2.3	4.1
			1.7	3.0
			0.6	2.0
	12	3	2.5	4.0
			1.6	3.0
			0.6	2.0
	18	3	2.6	4.1
			1.5	3.0
			0.9	2.0
03	00	3	2.5	4.0
			1.5	3.0
			0.7	2.0

DATE	HOUR	K	MEAN AMPLITUDE in mm	MEAN PERIOD in sec
Station: BOMBAY (Colaba)a)				
03	06	3	2.9	4.0
Contd.			1.9	3.0
			1.0	2.0
	12	3	2.7	4.0
			1.9	3.0
			1.0	2.1
	18	3	2.7	4.0,
			1.9	2.8
			1.0	2.0
04	00	3	2.4.	3.9
			1.5	2.8
			1.0	2.0
	06	3	3.1	3.9.
			1.9	3.0
			1.0	2.0
	12	3	2.7	3.8
			1.7.	2.7
			1.1	2.0
	18	3	2.9	4.0
			2.0	2.9
			1.0	2.0
05	00	3	2.3	3.8
			1.8	3.0
			1.1	2.0
	06	Calibration of MS (N-S)		
	12	3	2.3	3.9
			1.5	3.0
			1.1	2.2
	18	3	2.2	4.0
			1.5	3.0
			1.1	2.2
06	00	3	1.9	3.8
			1.2	2.6
			1.0	2.1
	06	3	1.7	4.1
			1.1	3.1
			0.5	2.0
	12	3	1.5	3.9
			1.0	3.0
	18	3	1.6,	4.0
			1.4	2.8
			0.5	2.0
07	00	3	1.4	4.0
			1.3	2.8
			0.5	2.0
	06	3	1.4	3.9
			1.0	2.6
	12	3	1.3	4.0
			1.0	3.0
	18	3	1.3	4.0
			0.9	3.0
08	00	Surface waves		

JULY 1967

Station: BOMBAY (Colaba)

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec
08	06	3	1.3	3.5
			0.6	2.6
	12	3	1.4	3.6
			0.8	2.2
	18	3	1.5	4.0
			1.1	2.7
			0.7	2.0
09	00	3	1.5	3.8
			1.0	2.6
			0.5	2.0
	06	3	1.9	3.8
			1.1	2.9
			0.8	2.2
	12	3	1.8	3.8
			1.4	2.8
			0.8	2.0
	18	3	1.9	3.8
			1.4	2.7
			0.8	2.0
10	00	3	1.9	4.0
			1.4	2.9
			0.8	2.3
	06	3	2.2	3.9
			1.3	3.0
			0.8	2.0
	12	3	2.3	4.1
			1.5	2.8
			0.9	2.3
	18	3	2.4	4.0
			1.5	2.9
			0.8	2.0
11	00	3	1.9	4.0
			1.5	3.0
			0.9	2.0
	06	3	2.4	4.6
			1.4	3.0
	12	3	2.5	4.1
			1.5	3.0
	18	3	2.3	4.6
			1.5	3.0
12	00	3	2.3	4.9
			1.4	3.1
	06	3	1.9	4.6
			1.3	3.0
	12	3	2.0	4.6
			1.5	4.0
			0.9	2.2
	18	3	2.1	4.4
			1.5	3.5
13	00	3	2.3	4.8
			1.5	3.8
	06	3	2.1	4.7
			1.5	3.6
	12	3	2.1	4.8
			1.5	4.0
	18	3	2.3	4.8
			1.4	3.8
14	00	3	1.9	4.5
			0.9	2.4
	06	3	1.5	4.5
			0.5	2.4
	12	3	1.7	4.8
			0.9	2.9
	18	3	1.6	4.6
			0.9	3.0
15	00	3	1.5	4.4
			0.6	2.4
	06	3	1.4	4.7
			0.5	2.7
	12	3	1.5	4.8
	18	3	1.3	4.2
			0.5	3.0
16	00	3	1.3	4.6
			0.7	3.0
	06	3	1.1	4.0
			0.5	3.2
	12	3	1.4	4.3
			0.6	3.1
	18	3	1.3	4.4
17	00	3	1.3	4.5
	06	3	1.3	4.0
			0.7	3.0
	12	3	1.4	4.1
			0.6	3.1
	18	3	1.4	4.2
			0.8	3.0
18	00	3	1.4	4.0
			0.9	3.1
	06	3	1.8	3.9
			1.1	2.9
	12	3	1.8	4.3
			1.0	3.0
			0.6	2.0
	18	3	1.7	4.2
			0.9	3.0
19	00	3	1.7	3.6
			0.9	2.2
			0.4	1.6
	06	3	1.9	3.9
			1.5	3.0
	12	3	2.0	4.1
			1.4	3.0
	18	3	1.9	4.0
			1.4	2.8
20	00	3	1.7	4.1
			1.1	2.6
	06	3	1.8	4.4
			1.3	2.6
			0.5	2.0
	12	3	1.9	4.2
			1.5	2.8
			0.5	2.0

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: BOMBAY (Colaba)				
20	18	3	1.3	4.0
			0.4	3.1
21	00	3	1.4	4.0
			0.4	3.1
	06	3	1.1	3.9
			0.5	3.1
	12	3	0.9	3.0
			0.3	3.1
	18	3	0.8	4.0
			0.4	3.0
22	00	3	0.5	3.7
			0.3	3.1
	06	3	0.9	4.0
			0.3	3.1
	12	3	0.9	4.0
			0.3	3.1
	18	3	1.0	4.6
			0.4	3.5
23	00	3	1.1	4.8
			0.5	3.8
	06	3	0.5	4.2
			0.5	3.0
	12	1	2.3	5.0
	18	1	1.7	5.0
24	00	3	0.9	4.6
			0.5	3.9
	06	3	0.8	4.1
			0.3	3.4
	12	3	0.6	4.3
			0.3	3.2
	18	3	0.5	4.2
			0.2	1.6
25	00	3	0.5	4.1
			0.2	1.8
	06	3	0.4	4.2
			0.2	2.0
	12	3	0.3	4.8
			0.3	2.6
	18	3	0.5	4.5
			0.3	3.0
26	00	3	0.5	4.5
			0.3	3.4
	06	3	0.4	5.0
			0.2	2.0
	12	3	0.4	4.2
			0.3	3.0
			0.2	2.0
	18	3	Surface waves	
27	00	3	0.3	4.1
			0.3	3.1
	06	3	0.4	4.9
			0.3	3.8
	12	3	0.3	4.5
			0.3	2.2
27	18	3	0.3	5.6
			0.3	2.1
28	00	3	0.3	3.1
			0.3	3.1
	06	3	0.9	4.0
			0.3	3.1
	12	2	0.4	3.6
	18	3	0.3	3.6
			0.3	2.2
29	00	3	0.3	3.8
			0.3	2.2
	06	2	0.3	2.6
	12	2	0.3	2.9
	18	3	0.3	4.2
			0.2	2.0
30	00	3	0.3	4.4
			0.2	2.0
	06	3	0.3	6.0
			0.2	1.7
	12	3	0.3	5.9
			0.3	3.0
	18	3	0.3	5.3
			0.2	1.8
31	00	3	0.3	5.7
			0.3	3.9
			0.2	2.0
	06	3	0.3	5.7
			0.3	3.0
	12	3	0.3	5.0
			0.3	3.1
	18	3	0.3	5.7
			0.2	1.7
Station: CALCUTTA (Alipore)				
01	00	3	2.2	3.0
	06	3	2.2	3.2
	12	3	2.3	3.4
	18	3	2.2	3.2
02	00	3	2.2	3.2
	06	3	2.5	3.6
	12	3	2.4	3.4
	18	3	2.5	3.4
03	00	3	2.3	3.2
	06	3	2.1	3.2
	12	3	2.2	3.0
	18	3	2.0	3.2
04	00	3	1.9	3.2
	06	3	1.4	3.6
	12	3	1.3	3.4
	18	3	1.5	3.4
05	00	3	1.6	3.6
	06	3	1.6	3.4

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: CALCUTTA)(Alipore)				
05	12	3	1.8	3.2
	18	3	1.5	3.0
06	00	3	1.4	3.4
	06	3	2.0	3.2
	12	3	2.1	3.4
	18	3	1.4	3.0
07	00	3	1.1	3.0
	06	3	1.5	2.6
	12	3	1.2	2.4
	18	3	1.2	2.6
08	00	3	1.1	2.6
	06	3	1.2	3.0
	12	3	1.2	2.2
	18	3	1.3	2.4
09	00	3	1.1	2.2
	06	3	1.2	2.8
	12	3	0.5	2.2
	18	3	1.0	2.4
10	00	3	0.4	2.0
	06	3	0.8	2.0
	12	3	0.5	2.0
	18	3	0.6	1.8
11	00	3	0.4	2.0
	06	3	0.3	1.8
	12	3	0.3	1.6
	18	3	1.2	2.2
12	00	3	0.5	2.0
	06	3	0.8	2.0
	12	3	0.6	2.0
	18	3	0.4	2.0
13	00	3	0.3	1.8
	06	3	0.4	1.6
	12	3	0.3	1.8
	18	3	0.4	1.8
14	00	3	0.3	1.8
	06	3	0.4	1.6
	12	3	0.3	1.8
	18	3	0.4	1.8
15	00	3	0.3	1.6
	06	3	0.5	2.0
	12	3	0.7	2.0
	18	3	0.6	1.8
16	00	3	0.5	2.0
	06	...		
	12	3	1.3	3.6
	18	3	1.4	3.0
17	00	3	1.5	3.0
	06	3	0.8	4.0
	12	3	1.0	3.4
	18	3	1.2	4.4
18	00	3	1.3	4.2
	06	3	0.8	3.8
	12	3	1.3	4.2
	18	3	1.3	3.4
19	00	3	1.4	4.8
	06	3	1.5	4.4
	12	3	1.5	4.2
	18	3	1.2	4.2
20	00	3	1.5	4.0
	06	...	Calibration	
	12	3	1.8	4.0
	18	3	1.8	4.6
21	00	3	1.0	4.2
	06	...	Calibration	
	12	3	1.7	4.2
	18	3	1.5	4.0
22	00	3	1.6	4.4
	06	...	Calibration	
	12	3	1.5	4.0
	18	...	Shock	
23	00	3	1.2	3.2
	06	3	1.8	4.0
	12	3	2.0	4.2
	18	3	1.8	3.8
24	00	3	2.1	3.8
	06	3	1.5	4.0
	12	3	1.5	3.8
	18	3	2.0	4.2
25	00	3	1.8	4.2
	06	...	Calibration	
	12	3	2.5	4.2
	18	3	2.1	4.0
26	00	3	2.5	4.0
	06	2	2.8	4.2
	12	2	3.3	4.2
	18	2	3.4	3.8
27	00	2	2.8	4.6
	06	...		
	12	2	3.3	5.2
	18	2	4.1	4.6
28	00	2	3.5	4.2
	06	2	3.1	4.2

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: CALCUTTA (Alipore)				
28	12	2	3.8	4.2
Contd.	18	2	3.0	4.2
29	00	2	3.2	4.4
	06	2	4.1	3.8
	12	2	2.3	4.2
	18	3	1.2	4.0
30	00	3	1.8	4.0
	06	3	1.9	4.0
	12	3	1.4	3.8
	18	3	1.6	4.0
31	00	3	1.8	4.0
	06	2	2.5	3.8
	12	...	Disturbances	
	18	...	-do-	
Station: GOA Compt. N-S.				
01	00	3	2.2	5.0
	06 to 18	No record		
02	00	...		
	06	3	2.6	5.6
	12	...		
	18	3	2.4	4.6
03	00	3	2.8	5.2
	06	...		
	12	...		
	18	3	2.4	5.2
04	00	3	2.3	5.0
	06	3	2.0	5.0
	12	3	1.8	4.6
	18	3	1.8	4.4
05	00	3	2.2	5.0
	06	3	1.9	4.8
	12	3	1.5	4.4
	18	3	1.3	4.0
06	00	3	1.7	4.8
	06	3	1.3	4.0
	12	3	1.5	4.4
	18	3	1.6	4.2
07	00	3	1.2	3.6
	06	3	1.0	4.0
	12	3	1.0	3.6
	18	3	1.2	3.6
08	00	...		
	06	3	1.1	3.6
	12	3	1.0	3.2
	18	3	0.9	3.2
09	00	3	1.1	4.0
	06	3	1.1	3.6
	12	3	1.2	3.8
	18	3	1.4	4.2

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: GOA				
10	00	3	1.2	4.0
	06	3	1.6	4.6
	12	3	1.6	4.8
	18	3	1.7	4.4
11	00	3	1.7	5.0
	06	3	2.0	5.0
	12	3	2.0	5.0
	18	3	1.7	4.8
12	00	3	2.0	5.0
	06	3	1.8	5.0
	12	3	1.7	4.6
	18	3	1.7	4.4
13	00	3	1.8	4.6
	06 to 18	...		
14	00	...		
	06	3	0.7	3.6
	12	3	0.7	3.2
	18	3	1.1	4.4
15	00	3	1.1	4.6
	06	3	0.8	3.6
	12	3	0.7	3.2
	18	3	1.0	4.0
16	00	3	1.0	4.8
	06	...		
	12	...		
	18	...		
17	00	...		
	06	3	1.2	4.4
	12	3	0.8	4.0
	18	3	1.2	4.6
18	00	3	1.2	4.2
	06 to 18	...		
19	00 to 18	...		
20	00	...		
	06	3	2.2	5.0
	12	3	1.8	5.0
	18	...		
21	00	...		
	06	3	1.8	4.6
	12	3	1.5	4.8
	18	3	1.6	4.4
22	00	...		
	06	3	1.5	4.4
	12	...		
	18	...		
23	00	...		
	06	...		

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: GOA			Compt. N.S	
23	12	3	1.1	3.4
Contd.	18	3	1.2	4.0
24	00	3	1.2	4.0
	06	3	1.4	3.6
	12	3	1.2	3.4
	18	3	1.2	3.6
25	00	3	1.2	3.8
	06	3	1.4	3.4
	12	3	1.4	4.0
	18	3	1.5	3.8
26	00	3	1.4	4.0
	06	3	1.5	4.8
	12	3	1.6	4.4
	18	3	1.8	4.2
27	00	3	1.9	4.2
	06	3	2.1	4.8
	12	...		
	18	3	2.5	5.0
28	00	3	2.1	4.4
	06 to 18	...		
29	00	3	1.8	4.2
	06 to 18	...		
30	00 to 06	...		
	12	3	2.5	4.8
	18	3	2.7	5.0
31	00	3	2.8	5.0
	06	3	2.6	5.0
	12	3	2.3	5.0
	18	...		
Station: MADRAS				
01	00	1	1.8	6.3
	03	1	1.8	6.1
	06	1	1.7	6.0
	12	1	1.7	6.0
	18	1	1.7	6.2
02	00	...	Earthquake	
	03	1	1.6	6.1
	06	1	1.6	5.9
	12	1	1.5	6.0
	18	1	1.5	6.0
03	00	1	1.5	6.0
	03	1	1.5	5.9
	06	1	1.6	5.8
	12	1	1.5	5.6
	18	1	1.4	5.8

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
04	00	1	1.4	5.7
	03	1	1.5	5.4
	06	1	1.2	5.3
	12	1	1.3	5.6
	18	1	1.3	5.2
05	00	1	1.1	5.5
	03	1	1.1	5.3
	06	1	1.2	5.3
	12	1	1.1	5.3
	18	1	1.1	5.2
06	00	1	0.9	5.5
	03	2	0.8	5.1
	06	2	0.8	5.2
	12	2	0.8	5.1
	18	2	0.8	5.1
07	00	2	0.8	5.2
	03	2	0.8	5.3
	06	2	0.8	5.1
	12	2	0.8	5.1
	18	2	0.7	5.2
08	00	2	0.7	5.1
	03	2	0.7	5.0
	06	2	0.7	5.0
	12	2	0.7	5.0
	18	2	0.7	5.0
09	00	2	0.7	5.0
	03	2	0.7	5.0
		3	0.1	1.4
	06	2	0.7	5.2
		3	0.1	1.4
	12	2	0.7	5.1
		3	0.1	1.8
	18	2	0.7	5.1
		3	0.1	1.6
10	00	1	1.1	5.1
	03	1	1.1	5.4
	06	1	1.1	5.2
	12	...	No record	
	18	1	1.1	5.5
11	00 to 06	...	No record - do -	
	12	1	1.5	5.6
	18	1	1.4	5.6
12	00	1	1.5	5.6
	03	1	1.6	5.3
	06	1	1.5	5.5
	12	1	1.3	5.4
	18	1	1.2	5.3
13	00	1	1.4	5.4
	03	1	1.3	5.4

Station: MADRAS

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
13	06	1	1.2	5.3
	12	1	1.1	5.4
	18	1	1.1	5.0
14	00	1	1.0	5.0
	03	2	0.8	5.0
	06	2	0.8	5.0
	12	2	0.8	5.0
	18	2	0.8	5.0
15	00	2	0.7	5.0
	03	2	0.8	5.0
	06	2	0.9	4.9
	12	2	0.9	4.8
	18	2	0.7	4.7
16	00	2	0.7	4.8
	03	2	0.7	4.9
	06	2	0.7	4.8
	12	2	0.7	4.8
	18	2	0.7	4.8
17	00	2	0.7	4.8
	03	2	0.7	4.8
	06	2	0.7	4.9
	12	2	0.7	4.8
	18	2	0.7	4.7
18	00	2	0.7	4.8
	03	2	0.8	5.0
	06	2	0.8	5.0
	12	2	0.8	5.0
		2	0.2	2.7
	18	2	0.8	5.0
		2	0.2	2.7
19	00	2	0.9	5.0
		2	0.2	2.6
	03	2	0.9	5.0
		2	0.2	2.7
	06	2	0.9	5.0
		2	0.2	2.7
	12	1	1.0	5.2
		2	0.2	2.9
	18	1	1.0	5.1
20	00	1	1.0	5.0
	03	1	1.1	5.1
	06	1	1.1	5.1
	12	1	1.2	5.0
	18	1	1.2	5.0
21	00	1	1.3	4.9
	03	1	1.0	4.9
	06	1	1.1	5.0
	12	1	0.9	4.9
	18	1	0.9	5.0
22	00	1	0.8	4.9
	03	1	1.0	5.0
	06	1	0.9	4.9
	12	2	0.9	4.7
	18	...	Earthquake	
23	00	2	0.8	4.7
	03	2	0.8	4.5
	06	2	0.5	3.2
	06	2	0.7	4.2
	12	2	0.8	4.1
	18	2	0.8	4.1
24	00	2	0.8	3.7
	03	2	0.7	3.2
	06	2	0.7	3.4
	12	2	0.9	3.5
	18	2	1.0	3.8
25	00	1	1.0	3.9
	03	1	0.9	3.8
	06	2	0.9	3.9
	12	2	0.9	4.2
	18	2	0.9	4.5
26	00	1	1.0	4.4
	03	1	1.0	4.3
	06	...	No record	
	12	1	1.0	4.7
	18	1	1.1	4.8
	21	1	1.3	4.9
27	00	1	1.3	5.0
	03	1	1.6	5.0
	06	1	1.5	5.0
	09	1	1.6	5.1
	12	1	1.6	5.1
	15	1	1.5	5.1
	18	1	1.5	5.2
	21	1	1.5	5.2
28	00	1	1.6	5.5
	03	1	1.6	5.3
	06	1	1.5	5.2
	12	1	1.5	5.5
	18	1	1.5	5.3
29	00	1	1.5	5.3
	03	1	1.4	5.0
	06	1	1.4	5.1
	12	1	1.4	5.0
	18	1	1.5	5.2
30	00	1	1.5	5.1
	03	1	1.6	5.1
	06	1	1.6	5.3
	12	1	1.8	5.1

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
30	15	1	1.9	5.5
	18	1	1.9	5.6
	21	1	1.9	5.4
31	00	1	2.0	5.7
	03	1	2.2	5.5
	06	1	2.2	5.6
	09	1	2.1	5.3
	12	1	2.2	5.6
	15	1	2.2	5.5
	18	1	2.1	5.7
	21	1	2.1	5.4
Station: PORT BLAIR				
01	00	3	2.0	3
	06	3	1.6	3
	12	3	1.6	3
	18	3	2.0	3
02	00	...	-	-
	06	...	-	-
	12	3	2.0	3
			1.2	7
	18	3	2.0	3
			1.2	7
03	00	3	2.0	3
			1.2	7
	06	3	2.0	3
			1.6	7
	12	3	2.0	3
			1.6	7
	18	3	2.0	3
			2.0	7
04	00	3	2.0	3
			2.0	7
	06	3	1.2	3
			1.6	7
	12	3	1.2	3
			1.6	7
	18	3	1.2	3
			2.0	7
05	00	3	1.2	3
			2.0	7
	06	3	1.2	3
			2.0	7
	12	3	1.2	3
			2.0	7
	18	3	1.6	3
			2.0	7
06	00	3	1.6	3
			2.0	7
	06	3	1.6	3
			2.0	7
	12	3	1.6	3
			2.0	7
	18	3	1.6	3
			1.6	7
07	00	3	1.6	3
			2.0	7
	06	3	1.6	2
			0.8	7
	12	3	1.6	2
			0.8	7
	18	3	1.6	2
			1.2	7
08	00	3	2.0	2
			2.0	7
	06	...	-	-
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
09	00	3	2.4	3
			2.4	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
10	00	3	2.0	3
			2.0	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
11	00	3	2.0	3
			2.0	7
	06	...	-	-
	12	3	2.0	3
			2.0	7
	18	...	-	-
12	00	...	-	-
	06	3	2.0	3
			1.6	7
	12	3	2.0	3
			1.6	7
	18	3	2.0	3
			1.6	7
13	00	3	2.0	3
			1.6	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
Station: PORT BLAIR				
06	18	3	1.6	3
			1.6	7
07	00	3	1.6	3
			2.0	7
	06	3	1.6	2
			0.8	7
	12	3	1.6	2
			0.8	7
	18	3	1.6	2
			1.2	7
08	00	3	2.0	2
			2.0	7
	06	...	-	-
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
09	00	3	2.4	3
			2.4	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
10	00	3	2.0	3
			2.0	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.0	7
11	00	3	2.0	3
			2.0	7
	06	...	-	-
	12	3	2.0	3
			2.0	7
	18	...	-	-
12	00	...	-	-
	06	3	2.0	3
			1.6	7
	12	3	2.0	3
			1.6	7
	18	3	2.0	3
			1.6	7
13	00	3	2.0	3
			1.6	7
	06	3	2.0	3
			2.0	7
	12	3	2.0	3
			2.0	7

JULY 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station : PORT BLAIR				
13	18	3	2.0	3
			2.0	7
14	00	3	2.0	3
			2.0	7
	06	3	1.6	3
			1.6	7
	12	3	1.6	3
			1.2	7
	18	3	2.0	3
			1.2	7
15	00	3	2.0	3
	06	3	1.6	3
	12	3	1.6	3
	18	3	1.6	3
16	00	3	2.0	3
	06	3	2.0	3
	12	3	1.6	3
	18	3	2.0	3
17	00	3	2.0	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
			1.6	7
18	00	3	2.0	3
			1.6	7
	06	3	2.0	3
			1.6	7
	12	3	2.0	3
			1.6	7
	18	3	2.0	3
			1.6	7
19	00	3	2.0	3
			1.6	7
	06	3	1.6	3
			1.6	7
	12	3	1.6	3
			1.6	7
	18	3	1.6	3
			1.6	7
20	00	3	1.6	3
			1.6	7
	06	3	1.6	3
			2.0	7
	12	3	2.0	3
			2.0	7
	18	3	2.0	3
			2.4	7
21	00	3	2.0	3
			2.4	7
	06	3	2.0	3
			2.4	7
	12	3	2.0	3
			2.4	7

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: PORT BLAIR				
21	18	3	2.0	3
			2.8	7
22	00	3	2.0	3
			2.8	7
	06	3	1.6	3
			2.8	7
	12	3	1.6	3
			2.8	7
	18		-	-
23	00	3	2.0	3
			2.4	7
	06	3	2.0	3
			1.6	7
	12	3	2.0	3
			1.6	7
	18	3	2.0	3
			1.2	7
24	00	3	2.0	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
25	00	3	2.0	3
	06	3	2.0	3
	12	3	2.0	3
	18	3	2.0	3
26	00	3	2.0	3
	06	3	2.4	3
	12	3	2.4	3
	18	3	2.8	3
27	00	3	2.8	3
	06	3	2.8	3
	12	3	2.4	3
			2.8	5
	18	3	2.4	3
			4.0	5
28	00	3	2.0	3
			2.8	5
	06	3	1.6	3
			2.4	5
	12	3	1.6	3
			2.4	5
	18	3	1.6	3
			2.4	5
29	00	3	1.6	3
			2.4	5
	06	3	1.6	2
			2.0	4
	12	3	2.0	4
	18	3	1.6	2
			2.0	4
30	00	3	2.0	3

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: PORT BLAIR				
30	06	3	2.0	3
	12	3	2.0	3
	18	3	2.4	3
31	00	3	2.4	3
	06	3	2.4	3
	12	3	2.4	3
	18	3	2.4	3
Station: SHILLONG				
01	00	...	...	...
	06	3	0.4	4.0
	12	3	0.3	4.0
	18	3	0.3	4.0
02	00	...	...	...
	06	3	0.3	4.0
	12	3	0.4	5.0
	18	3	0.3	3.2
03	00	3	0.4	3.6
	06	3	0.3	3.8
	12	3	0.3	3.6
	18	3	0.4	4.4
04	00	3	0.3	4.2
	06	3	0.3	4.5
	12	3	0.3	5.5
	18	3	0.3	4.8
05	00	...	...	...
	06	3	0.2	5.0
	12	3	0.2	4.5
	18	3	0.3	4.8
06	00	3	0.3	5.0
	06	3	0.2	4.5
	12	3	0.3	4.6
	18	3	0.3	4.3
07	00	3	0.3	4.2
	06	3	0.3	4.0
	12	3	0.3	4.2
	18	3	0.4	4.0
08	00	...	...	...
	06	3	0.2	3.5
	12	3	0.2	3.6
	18	3	0.2	3.6
09	00	3	0.2	3.6
	06	3	0.4	4.4
	12	3	0.4	4.4
	18	3	0.4	4.2
10	00	3	0.4	4.8
	06	0,0	---	---
	12	0,0	---	---
	18	0,0	---	---
Station: SHILLONG				
11	00	0,0	---	---
	06	0,0	---	---
	12	0,0	---	---
	18	0,0	---	---
12	00	0,0	---	---
	06	3	0.4	5.2
	12	3	0.4	5.0
	18	3	0.5	5.2
13	00	3	0.5	5.0
	06	3	0.5	5.2
	12	3	0.5	5.2
	13	3	0.5	5.0
14	00	3	0.5	5.0
	06	---	---	---
	12	3	0.3	5.0
	18	3	0.3	5.0
15	00	3	0.3	4.6
	06	3	0.4	4.7
	12	3	0.3	4.5
	18	3	0.3	4.5
16	00	3	0.3	4.5
	06	3	0.3	4.4
	12	3	0.3	4.3
	18	3	0.3	4.8
17	00	3	0.3	4.3
	06	3	0.3	4.4
	12	3	0.3	4.5
	18	3	0.3	4.8
18	00	3	0.2	4.8
	06	3	0.3	5.0
	12	3	0.3	5.2
	18	3	0.3	5.2
19	00	3	0.2	5.0
	06	3	0.3	5.3
	12	3	0.3	5.0
	18	3	0.3	5.0
20	00	3	0.3	5.0
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	---	---	---
21	00	---	---	---
	06	---	---	---
	12	3	0.2	5.0
	18	3	0.2	4.7
22	00	3	0.2	4.7
	06	3	0.2	4.5
	12	3	0.2	4.5
	18	---	---	---
23	00	3	0.2	4.5

JULY 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station : Shillong				
23	06	3	0.2	4.2
	12	3	0.3	4.0
	18	3	0.3	4.0
24	00	3	0.3	4.0
	06	3	0.4	4.0
	12	3	0.4	4.0
	18	3	0.4	4.2
25	00	3	0.4	4.3
	06	3	0.5	4.3
	12	3	0.5	4.5
	18	3	0.5	4.5
26	00	3	0.5	4.5
	06	3	0.6	4.8
	12	3	0.6	4.8
	18	3	0.6	5.0
27	00	3	0.7	5.0
	06	1	0.9	5.0
	09	1	0.9	5.0
	12	1	1.0	5.0
	15	1	1.0	5.0
	18	1	1.0	5.0
28	00	1	1.0	5.0
	06	1	0.9	5.0
	12	1	0.8	5.0
	18	3	0.7	4.9
29	00	3	0.6	4.8
	06	3	0.6	4.8
	12	---	---	---
	18	3	0.5	4.5
30	00	3	0.5	4.5
	06	3	0.5	4.2
	12	3	0.5	4.4
	18	3	0.5	4.5
31	00	3	0.6	4.8
	06	3	0.6	4.5
	12	3	0.7	4.6
	18	3	0.8	4.5
Station: TRIVANDRUM				
01	00	2	3.15	5.0
	06	2	2.85	5.0
	12	2	2.85	5.0
	18	2	3.45	5.0
02	00	2	3.25	5.0
	06	2	3.20	5.0
	12	2	2.80	5.1
	18	2	3.30	5.5
03	00	2	3.10	5.4
	06	2	4.30	5.3

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: TRIVANDRUM				
03	12	2	3.90	5.4
	18	2	3.40	5.0
04	00	2	2.70	5.0
	06	2	3.0	5.1
	12	2	3.26	5.0
	18	2	2.95	5.0
05	00	2	3.00	5.1
	06	2	2.40	5.0
	12	2	2.15	4.9
	18	2	2.40	5.0
06	00	2.	2.25	4.9
	06	...	No observation	
	12	2	2.30	5.2
	18	2	2.20	5.3
07	00	2	2.35	5.2
	06	...	No observation	
	12	...	calibration	
	18	2	2.10	5.0
08	00	2	1.60	5.3
	06	2	1.85	5.1
	12	2	1.55	4.9
	18	2	1.75	4.9
09	00	2	1.50	5.2
	06	2	1.95	5.4
	12	2	2.50	5.1
	18	2	2.25	5.4
10	00	2	1.90	5.0
	06	2	2.50	5.0
	12	2	2.35	5.1
	18	2	2.00	5.0
11	00	2	2.50	5.2
	06	2	2.55	5.3
	12	2	3.20	5.8
	18	2	4.35	5.6
12	00	2	3.95	5.5
	06	2	3.60	5.2
	12	2	3.05	5.4
	18	2	3.35	5.5
13	00	2	3.35	5.5
	06	2	2.95	5.6
	12	2	3.15	5.3
	18	2	2.25	5.5
14	00	2	2.35	5.5
	06	2	2.10	5.3
	12	2	2.20	5.4
	18	2	2.50	5.4
15	00	2	2.05	5.1
	06	2	2.20	5.3

JULY 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: TRIVANDRUM				
15	12	2	2.20	5.1
	18	2	2.05	5.3
16	00	2	1.55	5.3
	06	2	1.70	5.1
	12	2	1.65	5.2
	18	2	2.30	5.2
17	00	2	2.20	5.3
	06 to 18 No observation			
18	00	...		
	06	2	1.80	5.2
	12	2	2.05	5.1
	18	2	2.40	5.0
19	00	2	2.40	5.0
	06	2	2.65	5.2
	12	2	2.95	5.3
	18	Power failure		
20	00 to 06 Power failure			
	12	2	2.45	5.0
	18	2	2.55	4.9
21	00	2	3.00	5.0
	06	2	3.40	4.6
	12	2	2.65	5.0
	18	2	2.60	4.9
22	00	2	2.40	5.0
	06	2	2.35	4.8
	12	2	1.85	4.9
	18	No observation		
23	00	2	1.90	4.8
	06	2	1.75	4.9
	12	2	1.80	5.0
	18	2	1.25	4.3
24	00	2	1.45	4.4
	06	2	1.50	3.5
	12	2	1.60	3.6
	18	2	1.45	3.7
25	00	2	1.55	3.9
	06	2	1.50	4.0
	12	2	1.45	4.0
	18	2	1.45	4.3
26	00	2	1.85	4.7
	06	2	1.70	4.6
	12	2	1.95	4.9
	18	2	2.30	5.2
27	00	2	2.10	4.9
	06	2	2.15	5.3
	12	2	2.60	5.2
	18	2	2.90	5.0
28	00	2	3.20	5.0
	06	2	3.05	5.2
	12	2	2.90	5.1
	18	2	3.20	4.9
29	00	2	3.30	5.0
	06	...	No observation	
	12	2	2.80	5.1
	18	2	3.50	5.2
30	00	2	3.50	5.2
	06	2	3.40	5.0
	12	2	3.35	5.4
	18	2	3.50	5.2
31	00	2	4.15	5.4
	06	2	4.40	5.5
	12	2	3.15	5.7
	18	2	4.25	5.5
Station: VISAKHAPATNAM				
01	00	1	1.2	6.1
	06	1	1.4	5.9
	12	1	1.4	5.9
	18	1	1.4	5.9
02	00	... A	-	-
	06	1	1.1	4.9
	12	1	1.2	5.9
	18	1	0.9	5.8
03	00	1	0.9	5.8
	06	1	1.2	6.1
	12	1	0.9	5.7
	18	1	0.9	5.6
04	00	1	1.0	5.7
	06	1	1.0	5.5
	12	1	1.0	5.2
	18	1	0.9	5.4
05	00	2	0.9	5.7
	06	2	0.5	5.3
	12	2	0.9	5.3
	18	2	1.0	5.8
06	00	2	0.7	5.3
	06	2	0.8	5.3
	12	2	0.8	5.7
	18	2	0.6	5.5
07	00	2	0.8	5.3
	06	2	0.8	5.3
	12	2	0.6	5.2
	18	2	0.6	5.2
08	00	2	0.5	5.1
	06	2	0.5	3.3

JULY 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station VISAKHAPATNAM				
08	12	2	0.5	5.0
	18	2	0.4	3.9
09	00	3	0.5	4.5
	06	3	0.5	3.1
	12	3	0.3	3.6
	18	3	0.5	3.9
10	00	3	0.5	4.5
	06	3	0.6	3.9
	12	3	0.8	5.3
	18	3	0.9	5.2
11	00	2	0.8	5.2
	06	2	0.9	5.1
	12	2	0.8	5.7
	18	2	1.0	5.4
12	00	2	0.9	5.9
	06	2	1.1	5.6
	12	2	0.8	5.3
	18	2	0.9	5.2
13	00	2	0.4	4.8
	06	2	0.9	4.7
	12	2	0.9	5.5
	18	2	0.7	5.1
14	00	2	0.7	5.3
	06	3	0.5	5.3
	12	3	0.5	5.1
	18	3	0.3	3.5
15	00	3	0.5	4.2
	06	3	0.6	5.3
	12	3	0.7	5.3
	18	3	0.5	4.6
16	00	3	0.5	5.0
	06	3	0.7	5.1
	12	3	0.6	4.8
	18	3	0.9	5.1
17	00	3	0.6	4.7
	06	3	0.6	5.0
	12	3	0.6	4.8
	18	3	0.5	5.0
18	00	3	0.6	5.0
	06	3	0.7	5.1
	12	3	0.8	5.2
	18	3	0.6	5.0
19	00	3	0.7	5.1
	06	3	0.7	5.1
	12	3	0.8	5.1
	18	3	0.6	4.9
20	00	3	0.7	4.6
	06	3	0.7	4.4
	12	3	0.8	4.9
	18	3	0.9	5.0
21	00	3	0.7	4.6
	06	3	0.9	4.6
	12	3	0.7	4.8
	18	3	0.8	4.5
22	00	3	0.7	5.0
	06	3	0.6	4.5
	12	3	0.6	4.7
	18	A	-	-
23	00	3	0.3	3.5
	06	2	0.8	4.1
	12	2	0.5	3.8
	18	2	0.5	4.2
24	00	2	0.5	3.7
	06	2	0.8	3.9
	12	2	0.7	4.0
	18	2	0.6	4.0
25	00	2	0.5	3.8
	06	2	0.9	4.4
	12	2	0.6	3.9
	18	2	0.4	3.9
26	00	2	0.6	4.2
	06	3	0.9	3.8
	12	B	-	-
	18	3	1.0	4.6
27	00	3	1.0	4.7
	06	1	1.4	4.7
	12	1	1.4	4.5
	18	1	0.8	4.6
28	00	1	1.4	4.6
	06	1	1.6	4.9
	12	1	1.3	4.7
	18	1	1.0	4.5
29	00	1	0.9	4.5
	06	1	1.5	4.9
	12	1	1.5	5.2
	18	1	0.7	4.6
30	00	1	1.3	5.0
	06	1	1.4	5.0
	12	1	1.2	4.9
	18	1	1.8	5.5
31	00	1	1.1	5.4
	06	1	1.5	5.3
	12	1	1.5	4.9
	18	1	1.6	5.0

A - Earthquake. B - Power failure.

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES.

REGD.NO.RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Ts	V.max.	Damping Constant h_1	h_2	Paper speed mm/min.
Bhakra	31.25	76.25			Electromagnetic (H)	Z	1	1	5600	1	1	20
BHK						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		30
Bombay	18.54	72.69		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-		1	30
							1.0	87.0			1	60
Calcutta	22.32	88.20	7 Milne-Shaw 6 Omori-Ewing	Alluvium	Milne-Shaw	E	12		250	0.7		8
CAL					Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
					Sprengnether	N	7.0	7.0	1000		1	30
Chatra	26.50	87.10	161	Sand stone	Benioff	Z	0.72	0.45	-	-	1	60
CHA					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	E	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	7.6	7.6	5000		1	30
NDI					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.76	50K for		1	60
						N	1.0	0.76	50K TE=1		1	60
						E	1.0	0.75	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lamison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2343	Rock	Benioff(SP)	Z	1.0	0.75	50K for		1	60
KOD						N	1.0	0.75	50K TE=1		1	60
						E	1.0	0.75	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
					Milne-Shaw	E	12		250	0.7		8
Madras	13.00	80.11	15		Sprengnether	E	7.4	7.4			1	30
MDR						Z	1.5	1.5			1	60
Poona	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K for		1	60
POO						N	1.0	0.75	50K TE=1		1	60
						E	1.0	0.75	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
					Milne-Shaw	E	12		250	0.7		8
Port Blair	11.40	92.43			Wood-Anderson	N	2.0		890	0.7		30
PBA						E	0.8		840	0.8		30
					Benioff	Z	1.2	1.5			1	30
Sehore	23.10	77.05			Wood-Anderson	N	0.8		860	1		30
SEH						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)	Benioff(SP)	Z	1	0.75	200K for		1	60
SHL						N	1	0.75	200K TE=1		1	60
						E	1	0.75	200K sec		1	60
					Press-Ewing (LP)	Z	15	100	3000 for		1	60
						N	15	100	3000 TE=15		1	60
						E	15	100	3000 secs		1	60
					Sprengnether	E	6.7	6.7	2600		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57	Decomposed Laterite		Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0		250	0.7		12

DATE	STN	PHASE	H. M. S.	∠ Deg.	
01	NDI	i	00 01 45		
01	DDI	eP	00 54 00		
01	SHL	iPn	01 30 10	D	1.7
		iSn	30 33		
01	NDI	eP	01 33 25		
		i	33 31		
	POO	eP	01 33 37		
	SHL	iP	01 33 40	C	
01	KOD	eP	01 58 09	CNW	
01	KOD	e	01 58 42.7	SW	
01	KOD	eP	02 44 40	SW	
01	NDI	e	02 58 18		
01	NDI	e	03 10 29		
01	NDI	e	03 21 25		
01	Epc: 0.6N, 126.4E - H = 03h 29m 25.7s (USCGS) Depth = 64 Km. Mag. = 5.1 (CGS)				
01	NDI	i	03 38 46		
01	NDI	e	07 09 33		
01	NDI	e	08 44 57		
01	BOK	e	09 31 19		
01	BOK	e	09 38 56		
01	NDI	e/	13 17 44		
		e	17 50		
01	NDI	iP	14 09 43.5		
01	NDI	e	16 50 54		
01	NDI	iP	16 59 10	D	
01	NDI	e	17 10 04		
01	NDI	eP	21 59 46		
01	SHL	iP	22 10 19	C	
01	CHA	iPn	22 10 27.9	C	3.0
		Sn	11 05.0		
01	TOC	eP	22 11 51		
		e	12 23		
01	NDI	eP	23 03 53		
		e	03 55		
	DDI	eP	23 04 03		
02	Epc: 44.6°N, 146.4°E - H = 00h 44m 41.4s (USCGS) Depth = 149 Km. Mag. = 5.0 (CGS)				
	SHL	iP	00 53 04	DNE	

DATE	STN	PHASE	H. M. S.	∠ Deg.	
02	CHA	iP	00 53 26	D	
	NDI	iP	00 54 08.5	DNE	
	KOD	iP	00 55 26.3	DNE	
02	NDI	e	01 01 46		
02	POO	iP	01 55 07.5	D	
02	NDI	e	02 12 11		
		e	12 47		
02	NDI	i	02 19 22		
02	NDI	i	02 20 20		
02	NDI	i	02 22 14		
02	SHL	iPg	04 55 37	DW	0.4
		iSg	55 42		
02	Epc: 34.8°N, 138.2°E - H = 06h 32m 22.1s (USCGS) Depth = 21 Km. Mag = 3.7 (CGS)				
	SHL	eP	06 40 00		
02	SHL	iPg	08 15 49	DSW	0.8
		iSg	15 59		
02	BOK	e	08 32 00		
02	BOK	e	10 51 00		
02	Epc: 71.2°N, 8.0°W - H = 11h 06m 38.7s (USCGS) Depth= 33 Km. Mag = 5.0 (CGS)				
	DDI	eP	11 16 48		
		e	25 11		
	SHL	eP	11 17 45		
02	BOK	i	11 31 17		
02	POO	eP	11 58 (02)		
02	DDI	eP	13 10 29		
02	Epc: 30.9°N, 53.5°E H = 13h 55m 14.3s (USCGS) Depth = 33 Km. Mag. =4.5 (CGS)				
	DDI	eP	13 59 56.8		
02	Epc: 71.2°N, 8.5°W -H = 14h 06m 17.8s (USCGS) Depth = 33 Km. Mag. 5.3 (CGS)				
	DDI	eP	14 16 27		
	NDI	iP	14 16 35.5	D	62.5
		e	24 58		
	CHA	iP	14 17 09	D	
	SHL	iP	14 17 23	DN	

AUGUST, 1967

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
02	NDI	iP	14	23	35	C	
02	SHL	iPg	15	52	29	DNE	1.1
		iSg		52	43		
02	SHL	iP	16	52	56	CNW	3.4
		eS		53	37		
02	CHA	iP	16	53	51.3	D	7.5
		S		55	16.6		
02	Epc: 4.6°S, 103.2°E - H = 18h 17m 32.0s (USCGS) Depth = 83 Km. Mag. = 5.1 (CGS)						
	SHL	eP	18	23	50	CSE	
	CHA	iP	18	24	18.1	D	
		PcP		26	51		
	P00	eP	18	24	36		
	NDI	iP	18	25	12	CNW	41.5
		eS		31	22		
02	Epc: 22.3°S, 68.7°W - H = 22h 41m 12.2s (USCGS) Depth = 107 Km. Mag. = 4.5 (CGS)						
	NDI	ePKP	23	00	45		
03	Epc: 6.8°S, 129.4°E. - H = 01h 53m 56.5 (USCGS) Depth = 162 Km. Mag. = 5.3 (CGS)						
	P00	iP	02	03	44.2	C	
	NDI	iP	02	03	56		
03	NDI	i	03	06	17		
		i		06	31		
03	CHA	iP	08	54	39.8	D	
		i		54	57.0		
		i		55	24.2		
03	BOK	e	09	00	04		
03	Epc: 30.2°N, 79.6°E - H = 09h 06m 26s (New Delhi).						
	DDI	iPg	09	06	40.5	C	0.7
		iS		06	48.9		
	BHK	eP	09	06	56.8		
		e		07	39.0		
	NDI	iPn	09	07	04.3	S	2.3
		i		07	06.7	Mag.= 3.3	
		iSn		07	34.3		
		iSg		07	42.0		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
03	CHA	iP	09	08	24		
	BOK	e	09	11	31		
	P00	eS	09	11	55		
03	Epc: 13.5°S, 74.8°W - H = 12h 40m 21.1s (USCGS) Depth = 116 Km. Mag. = 5.2 (CGS)						
	NDI	ePKP	12	59	55		
	DDI	ePKP	12	59	57		
	P00	ePKP	13	00	05		
03	NDI	e	13	00	30		
03	NDI	e	15	29	03		
03	SHL	iP	16	26	48	CNW	2.8
		eS		27	23		
	CHA	iP	16	27	49	C	7.2
		S		29	12		
	NDI	eS	16	32	40		
03	NDI	eP	17	22	32		
03	SHL	iP	18	42	56	CSE	
		eS		43	31		
03	Epc: 27.8°N, 128.0°E - H = 19h 14m 38.5s (USCGS) Depth : 93 Km. Mag. 4.7 (CGS)						
	NDI	eP	19	22	40		
03	DDI	eP	21	01	34		
		e		02	41		
	NDI	eP	21	01	48		9.1
		eS		03	29		
03	Epc: 53.0°N, 106.7°W - H = 21h 37m 26.7s (USCGS) Depth = 29 Km. Mag. 4.6 (CGS)						
	SHL	iP	21	49	14	DNE	
	DDI	eP	21	49	33		
	NDI	eP	21	49	42		

AUGUST 1967

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
03	CHA	iPg	22	13	09.1	C	1.3
		Sg		13	25.6	Mag.=3½	
	SHL	iP	22	13	48	CS	4.1
		eS		14	37		
	NDI	eS	22	16	30		
03	Epc: 53.8°N, 170.0°W - H = 23h 17m 08.4s (USCGS) Depth = 194 Km. Mag. = 4.9 (CGS)						
	SHL	iP	23	28	26	DS	
	NDI	iP	23	28	54		
04	NDI	i	05	21	09		
		i		21	14		
04	BHK	eP	07	02	15		
	NDI	iP	07	02	45.2	SEC	
	CHA	iP	07	03	16	C	
	SHL	iP	07	03	37	SWC	
	P00	iP	07	04	22	D	
04	Epc: 34.8°N, 70.1°E - H = 08h 06m 59.1s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)						
04	BHK	ePn	08	08	30		5.5
		eS*		09	51		
	DDI	eP*	08	08	58		7.7
		iS*		10	35		
	NDI	iP	08	09	03.7	SEC	8.1
		iS		10	37	Mag.= 5.0	
	CHA	iP	08	10	51	D	
	SHL	iP	08	11	43	CSW	
	BOK	e	08	20	37		
04	SHL	iP	10	23	22	CSW	3.6
		eS		24	06		
	KOD	eP	10	25	27	S	
		e		25	33		
04	BOK	e	10	47	02		
04	SHL	iP	11	05	53	DNW	1.5
		iS		06	14		
04	P00	eP	11	27	42		
04	NDI	e	15	55	23		
		i		55	42		
04	NDI	i	15	58	38		
04	NDI	e	17	55	35		
		i		55	44		
04	NDI	e	18	06	42		
		i		07	08		
04	SHL	iPg	19	41	13	D	0.6
		Sg		41	20		
04	NDI	e	21	19	41		
		e		20	25		
04	NDI	eP	22	18	05		
04	SHL	eP	23	56	45		2.2
		es		57	13		
05	NDI	i	01	38	59		
		i		39	07		
		i		40	39		
05	Epc: 43.3°N, 147.5°E - H = 01h 44m 43.2s (USCGS) Depth = 33 Km. Mag. = 4.4(CGS)						
	NDI	iP	01	54	30.5	D	
05	NDI	i	03	25	06.5		
05	Epc: 43.3°N, 147.6°E - H = 05h 29m 21.8°S(USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)						
	NDI	eP	05	39	09		
05	SHL	eP	05	53	03		
05	NDI	e	06	59	54		
05	BOK	e	09	23	29		

AUGUST 1967

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		△ Deg.
05	BOK	e	10	23	06			
05	SHL	iP	10	58	17			
05	SHL	eP	12	20	27			
05	NDI	e	12	22	57			
05	NDI	i	15	23	37			
		e		28	56			
05	SHL	eP	17	40	48			
05	NDI	i	19	44	22			
05	SHL	iP	21	57	23		DSW	
05	NDI	eP	22	32	03			8.5
		eS		33	40			
06	SHL	iP	00	45	05		CSW	
	NDI	iP	00	46	45			
06	Epc: 42.5°N, 142.9°E - H = 01h 08m 16.6s (USCGS) Depth = 64 Km. Mag. = 4.2 (CGS)							
	NDI	eP	01	17	32			
		e		17	50			
06	NDI	i	01	57	16			
		e		57	24			
06	NDI	eP	01	57	55			6.0
		eS		59	05			
		e		59	14			
06	NDI	i	02	17	51			
		i		18	01			
06	NDI	i	03	44	27			
		i		44	30			
06	NDI	i	03	47	04			
06	SHL	iPg	04	34	12		DW	0.9
		iSg		34	23			
06	NDI	i	05	32	18			
		i		32	21			
		e		36	36			
06	NDI	i	05	44	17			
06	NDI	i	07	55	31			
06	NDI	i	07	56	20			
06	NDI	i	09	44	48			
06	NDI	i	09	47	10			
06	NDI	i	10	00	45			
06	Epc: 38.0°N, 74.5°E - H = 10h 31m 06.3s (USCGS) Depth = 215 Km. Mag. = 4.8 (CGS)							
06	DDI	eP	10	33	00			7.9
		eS		34	28			
	NDI	iP	10	33	17		NWD	9.0
		iS		34	57			
	CHA	iP	10	34	34		D	
	SHL	iP	10	35	15		CSW	
	P00	e	10	39	09			
06	Epc: 8.8°S, 112.5°E - H = 17h 10m 24.2s(USCGS) Depth = 33 km Mag. = 5.2 (CGS)							
	SHL	iP	17	17	57		DSE	
	P00	eP	17	18	53			
	NDI	eP	17	19	20			
	DDI	eP	17	19	25			
06	SHL	eP	18	25	01			2.7
		iS		25	31			
06	NDI	iP	18	32	20		D	
06	NDI	iP	20	44	47		D	
	DDI	eP	20	44	48		D	
06	SHL	iP	21	02	30		CNE	
06	Epc: 6.5S, 154.5°E - H = 21h 35m 59.7s (USCGS) Depth = 84 Kms.							
	SHL	iP	21	46	57		DE	
06	Epc: 52.7°N, 168.4°W - H = 22h 46m 08.1s (USCGS) Depth = 44 Km. Mag. = 4.3 (CGS)							
	SHL	iP	22	57	50		C	
	NDI	eP	22	58	19			
07	NDI	e	00	41	31			
		e		42	03			
		i		42	19			
07	NDI	i	02	15	19			
		i		15	37			
07	NDI	i	02	23	57			
		i		24	33			
07	NDI	eP	02	38	11			
07	NDI	i	05	02	05			
07	NDI	i	05	18	07			

DATE	STN	PHASE	H. M. S.		∠ Deg.
07	Epc: 36.5°N, 71.2°E Afghanistan - USSR Border Region Depth = 229 Kms. (CGS) Mag. = 5.0 (USCGS) - H = 05h 49m 57.5s				
	BHK	eP	05 51 36		
		eS	52 50		
	DDI	iP	05 51 55.8	D	7.8
		eS	53 29		
	NDI	iP	05 52 08.1	CSE	8.9
		iS	53 47	Mag.=5.2	
	CHA	iP	05 53 41	C	
	BOK	eP	05 53 53		
	SHL	eP	05 54 25	NW	
	POO	e	05 57 13		
07	KOD	ePg	06 56 51.7	DSW	1.7
		iSg	57 15.2		
07	KOD	iPg	06 57 33.2		1.0
		iSg	57 46.3		
07	BOK	e	08 35 04		
07	SHL	ePg	08 47 27		0.1
		iSg	47 28		
07	NDI	e	08 53 20		
		e	53 46		
07	NDI	e	09 19 40		
07	NDI	eP	10 10 57		11.3
		eS	13 06		
07	Epc: 58.7°N, 154.6°W - H = 11h 14m 42.7s (USCGS) Depth = 37 Km. Mag. = 5.1 (CGS)				
	SHL	iP	11 26 47	CW	
	NDI	eP	11 27 04	D	
		e	29 55		
07	NDI	i	13 49 14		
07	NDI	eP	14 38 35		6.1
		eS	39 46		
07	DDI	eP	14 38 44		
07	NDI	e	16 55 49		
08	NDI	eP	00 08 52		10.0
		eS	10 46		
08	NDI	i	02 24 07		
08	NDI	eP	03 02 40		
08	BOK	e	08 32 55		
	SHL	eP	08 37 09		3.1
		eS	37 47		
	CHA	iP	08 37 34.3	C	4.7
		S	38 30		
	BOK	e	08 41 57		
08	BOK	e	08 59 01		
08	SHL	eP	09 04 25		3.0
		eS	05 01		
08	DDI	eP	09 08 30		
08	Epc: 6.2°S, 105.7°E - H = 09h 48m 04.3s (USCGS) Depth = 70 Km. Mag. = 4.8 (CGS)				
	NDI	eP	09 56 00		
08	MDR	ePg	12 17 12		0.1
		eSg	17 13		
08	NDI	e	13 26 55		
		i	27 42		
08	NDI	eP	13 29 07	D	
08	NDI	i	13 34 52		
08	NDI	i	15 28 36		
08	Epc: 37.2°N, 141.1°E - H = 16h 05m 59.1s (USCGS) Depth = 54.Km. Mag. = 3.9 (CGS)				
	NDI	eP	16 15 14	C	
08	NDI	iP	18 28 57.0	D	
08	SHL	iP	18 33 28	DNW	
	NDI	i	18 34 31		
		i	35 07		
		i	35 18		
08	CHA	e	21 55 27		
08	CHA	eP	23 07 23.5		2.4
		S	07 53.0		
08	SHL	eP	23 22 45		2.4
		eS	23 15		
09	SHL	eP	00 33 00		
09	NDI	i	01 59 35		
09	NDI	eP	02 19 30		
09	TOC	eP	04 40 48		
	SHL	iP	04 41 37	CNW	
09	NDI	i	04 51 52.2		
09	NDI	i	04 57 41		
09	DDI	eP	05 50 52		8.1
		eS	52 25		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
07	NDI	eP	05	51	06		8.8
		iS		52	47		
	BHK	eP	05	51	45		
09	NDI	i	06	40	05.5		
09	NDI	i	06	55	13.5		
09	NDI	i	06	56	15		
09	Epc: 8.5°S, 73.8°W -H = 07h 14m 08.1s (USCGS) Depth = 46 Km. Mag. = 5.0 (CGS)						
	NDI	iPKP	07	33	45.2	C	
	DDI	ePkP	07	33	47	C	
	KOD	iPkP	07	34	01.5	DSW	
09	BOK	e	08	02	09		
09	Epc: 6.4°S, 130.4°E - H= 08h 20m 03.7s (USCGS) Depth = 89 Km. Mag. = 5.7 (CGS)						
	SHL	eP	08	28	44	C	
	VIS	iP	08	29	07	C	
	MDR	eP	08	29	19	D	53.7
		eS		36	41		
	CHA	eP	08	29	19		53.7
		S		36	41		
	KOD	iP	08	29	32	DSE	
	POO	eP	08	30	09		
	NDI	iP	08	30	15	E	62.0
		eS		38	27		
	DDI	eP	08	30	17		
09	BOK	e	09	29	09		
09	SHL	iP	14	29	11	CSW	
09	NDI	e	16	10	26		
09	SHL	iPg	19	45	41	C	0.3
		iSg		45	45		
09	TOC	e	20	45	14		
		e		45	24		
09	SHL	iP	22	14	58		
09	NDI	e	22	40	09		
09	NDI	e	23	15	52		
10	NDI	i	02	11	41		
10	NDI	e	02	24	36		
10	NDI	i	02	32	35		
10	NDI	i	02	38	18		
10	NDI	i	02	41	15		
10	NDI	e	02	42	04		
		e		42	08		
10	SHL	iPg	03	42	25	CNW	1.1
		iSg		42	39		
10	NDI	i	04	50	30		
10	SHL	eP	05	57	54	E	
10	NDI	ePg	10	12	02.5		0.7
		i		12	10.7		
		iSg		12	11.8		
		iSn		12	16.8		
10	MDR	iP	10	32	13	CE	
10	Epc: 45.4°N, 150.3°E Kurile Islands - H = 11h 21m 22.3s Depth = 37 Kms. (CGS) Mag. = 5.7 (CGS) 5.5-5.9(BRK)						
10	SHL	iP	11	30	18.0	CSW	
	CHA	iP	11	30	38.0	C	53.4
		eS		38	06		
	BOK	iP	11	30	57.0		
	DDI	iP	11	31	08.5	C	56.4
		eS		38	55		
	NDI	iP	11	31	18.7	SWC	58.7
		i		31	31.5		
		PcP		32	08.0		
		eS		39	19.0		
	VIS	iP	11	31	37	DE	
	POO	iP	11	32	17.7	C	
	KOD	iP	11	32	37.3	CSW	
10	SHL	eP	15	48	22		
10	TOC	e	17	03	52		
10	SHL	ePg	17	08	36	NE	0.3
		eSg		08	39		
10	NDI	eP	18	08	14		
10	NDI	i	19	40	34		
		e		41	04		
		i		41	42		
10	Epc: 27.9°S, 66.7°W - H = 19h 55m 05.4s (USCGS) Depth = 167 Km. Mag. = 4.8 (CGS)						
	NDI	iPkP	20	14	33	C	
	DDI	eP*	20	54	26		4.8
		iSn		55	13		

DATE	STN	PHASE	H. M. S.		Δ Deg.
	NDI	eP	20 54 35		5.5
		i	55 06		
		eS	55 40		
	SHL	iP	20 56 12	D	
10	Epc: 4.7°S, 126.5°E - H = 21h 45m 42.5s (USCGS) Depth = 423 Km. Mag. = 5.0 (CGS)				
	SHL	iP	21 53 23	D	
	NDI	eP	21 54 55		
11	MDR	iP	01 57 48	C	2.6
		P*	57 50		
		Pg	57 54		
		iS	58 21		
		S*	58 24		
		Sg	58 27		
	KOD	ePn	01 58 34.0	DNE	5.6
		iSn	59 40.2		
11	POO	eP	01 59 (10)		
11	POO	e	02 00 27		
11	BOK	e	02 01 08		
11	NDI	i	02 16 56		
11	NDI	e	06 54 02		
11	SHL	eP	07 01 45		
11	NDI	i	07 01 59		
11	CHA	iP	07 02 08.5		
		e	03 09.0		
11	BOK	e	07 03 57		
11	NDI	iP	07 03 58		11.4
		eS	06 07		
11	BOK	e	08 19 05		
11	NDI	e	09 07 13		
11	NDI	iP	09 18 56	R	
	SHL	iP	09 33 28	CS	
	CHA	iP	09 34 09	D	3.0
		eS	34 44		
	BOK	e	09 34 21		
		i	35 21		
	NDI	eP	09 35 48		10.2
		iS	37 44		
	POO	e	09 40 20		
11	SHL	eP	09 47 24		
11	SHL	eP	10 26 41		

DATE	STN	PHASE	H. M. S.		Δ Deg.
11	BOK	eP	10 51 15		
11	BOK	e	11 48 37		
11	NDI	i	12 16 21		
		i	16 25		
11	SHL	eP	13 30 13		
11	SHL	ePg	14 02 12		0.2
		eSg	02 14		
11	SHL	iP	16 16 28	CE	1.3
		eS	16 46		
11	Epc: 22.1°N, 144.0°E - H = 18h 54m 28.8s (USCGS) Depth = 125 Km. Mag. =. 5.3 (CGS)				
	SHL	iP	19 02 53	DE	
	CHA	iP	19 03 25		
	NDI	iP	19 04 23.5	DW	61.1
		eS	12 27		
		e	13 58		
	KOD	iP	19 04 55	C	
	POO	eP	19 04 57		
11	NDI	eP	23 42 23		
12	CHA	iPg	01 11 29.0	D	0.7
		iSg	11 37.5		
12	NDI	i	03 28 28		
12	Epc: 38.5°N, 141.9°E, - H = 04h 30m 38.5s (USCGS) Depth = 53 Km. Mag. = 5.4 (CGS).				
	SHL	iP	04 38 40.0	CS	43.7
		eS	45 05		
	CHA	iP	04 39 06	D	
	NDI	eP	04 39 57		
		i	40 14		
	POO	eP	04 40 56		
	KOD	iP	04 41 10.0	DE	
12	SHL	iP	05 30 57	CE	
12	BOK	e	08 06 49		
12	BOK	e	08 41 49		
12	NDI	iPg	09 49 24.2	EC	0.42
		iSg	49 29.5		
12	Epc: 24.7°S, 177.5°W - H = 09h 39m 44.3s (USCGS) Depth = 134 Km. Mag. = 5.8 (CGS)				

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
12	PBA	eP	09	52	57		87.2
		iSKS	10	03	13		
	SHL	eP	09	53	22		95.3
		eSKS	10	03	47		
		SKKS		04	22		
		eS		04	43		
	BOK	eP	09	53	42		105.0
		i		58	38		
		iSKS	10	04	04		
		SKKS		04	51		
		S		05	14		
	CHA	e	09	57	52		
		SKS	10	04	08		
		SKKS		04	52		
		S		05	04		
		i		07	46		
	VIS	ePP	09	58	23		
		e		58	44		
		SKS		04	10		
	KOD	eP	09	53	54	DS	109.0
		ePKP		58	03		
		iSKS	10	04	22.0		
		S		05	46		
		i		14	20		
	MDR	e	09	58	07		
		PP		59	41		
		iSKS		04	16		
	DDI	ePKP	09	58	09		
	NDI	eP	09	54	53		114.0
		ePKP		58	09		
		PP		58	25		
		iSKS	10	04	42		
		SKKS		05	46		
		S		06	38		
		i		08	32		
		PS		08	59		
		PPS		10	20		
12	POO	ePKP	09	58	13		
		i	10	04	44		
		e		07	44		
		e		08	42		
12	BOM	e	09	59	51		
		e	10	01	45		
		e		02	05		
		e		03	48		
		e		04	39		
12	HYD	e	10	04	31		
		i		07	12		
		i		14	28		
12	NDI	eP	10	33	27		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
12	KOD	eP	5210	52	40	DNE	
12	NDI	i	11	34	11		
		i		34	15		
	CHA	iPn	12	34	55.1	C	2.8
		Sn		35	30.0	Mag.= 5.0	
	SHL	ePN	12	34	57		2.9
		P*		35	01.7		
		S*		35	31.3		
		Sn		35	33		
	BOK	eP	12	35	37		5.9
		eS		36	46		
	DDI	eP	12	36	43		
	NDI	eP	12	36	47	D	10.8
		eS		38	50		
	POO	e	12	38	12		
12	Epc: 14.9°S, 166.7°E - H = 12h 30m 56.1s (USCGS) Depth = 23 Km. Mag. = 5.2 (CGS)						
	SHL	iP	12	43	24	C	
12	CHA	ePg	12	43	31.6		2.6
		Sg		44	06.1		
	KOD	eP	12	44	05.8	C	
	NDI	eP	12	44	32		
12	SHL	eP	13	30	28		
12	NDI	i	14	24	15.5		
12	NDI	i	14	26	24		
12	SHL	eP	15	45	43	2.	2.6
		eS		46	16		
12	SHL	ePg	20	29	44		0.8
		iSg		29	54		
12	Epc: 37.0°N, 71.4°E - H = 22h 54m 38.6s (USCGS) Depth = 121 Km. Mag. = 5.1 (CGS)						
	DDI	eP	22	56	42		8.4
		PP		56	49		
		PPP		56	55		
		S		58	15		
		SS		58	27		
		SSS		58	38		
	NDI	iP	22	56	53.5	DNW	9.3
		eS		58	36	Mag.= 5.7	
	CHA	iP	22	58	26.8	C	16.4
		S	23	01	23		

DATE	STN	PHASE	H. M. S.	Δ Deg.	
	BOK	eP	22 58 48		
	POO	eP	22 58 49		
	SHL	eP	22 59 13		
	KOD	eP	23 00 17.2	C	
13	NDI	e	00 03 57		
		i	04 18		
13	NDI	i	02 09 29		
13	NDI	i	02 10 03		
13	NDI	i	02 10 32		
13	NDI	i	02 12 32		
13	NDI	i	02 47 14		
		i	48 04		
13	CHA	iPg	04 19 44.4	C	1.2
		Sg	20 00.5		
13	NDI	i	06 01 40		
13	DDI	e	07 20 21.5		
	NDI	eP	07 21 20		8.5
		iS	22 58		
13	NDI	e	08 04 35		
		i	04 41		
13	SHL	iPg	10 29 58	DSW	0.3
		eSg	30 01		
13	SHL	eP	11 18 52		
13	SHL	iP	11 46 19	D	
13	NDI	e	16 16 35		
		i	17 41		
13	NDI	i	16 19 55		
13	Epc: 50.9°S, 29.1°E South of Africa H = 16h 33m 04.0s Depth = 33 Kms. (CGS) Mag. = 6.4 (CGS)				
	KOD	eP	16 44 37.5	DS	
	MDR	eP	16 44 57		
		e	55 14		
	POO	eP	16 45 14		
	DDI	e	16 56 45.5		
13	SHL	iP	17 05 32		
	CHA	i	17 06 01		
	KOD	eP	17 06 39	D	
	NDI	eP	17 06 51		
13	NDI	i	18 19 14		
13	SHL	ePg	19 36 12		0.7
		iSg	36 21		
13	CHA	iP	19 37 12.5	D	
		S	37 57.5		
13.	Epc: 35.3°N, 135.3°E Southern Honshu, Japan - H = 20h 06m 50.6s Depth 357 Kms. (CGS) Mag. = 6.0 (CGS) 63/4(PAS), 6.3-6.5(BRK)				
	SHL	iP	20 13 41	CSW	38.2
		pP	14 53		
		ePP	15 12		
		i	16 08		
		iS	19 07		
		i	20 15		
		i	22 27		
		ScS	23 06		
	CHA	iP	20 14 09	C	41.8
		ipP	15 23		
		i	19 13		
		S	19 58		
		ScS	23 35		
	PBA	iP	20 14 36		45.1
		ipP	15 51		
		i	19 25		
		iS	20 46		
		ScS	23 49		
	DDI	iP	20 14 56.2	C	47.7
		iS	21 22.4		
	NDI	iP	20 15 05.0		49.2
		pP	16 18		
		PP	17 00		
		PPP	17 40		
		S	21 41		
		sS	24 08		
		iSS	25 12		
		SSS	27 20		
	MDR	iP	20 15 43	CE	54.9
		PcP	16 41		
		pP	17 00		
		PPP	19 03		
		iS	22 54		
		PS	24 01		
		ScS	24 52		
		SSS	29 17		
	POO	iP	20 15 58.5	C	56.6
		pP	17 14		
		PcP	17 54		
		iS	23 20		
	BOM	eP	20 16 03		57.2
		pP	17 18		
		iS	23 27		
		PPS	25 11		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
13	KOD	eP	20	16	10		CSW
Contd.		pP		17	26		
		iS		23	42		
		PPS		25	20		
13	HYD	i	20	22	38		
		i		24	44		
13	NDI	eP	21	29	25		
		eS		31	04		
13	Epc: 43.2°N, 0.5°W - H = 22h 07m 47.5s (USCGS) Depth = 15 Km. Mag. = 5.3 (CGS)						
	DDI	eP	22	18	11		D
	NDI	eP	22	18	13		
	CHA	iP	22	19	07		C
	SHL	iP	22	19	28		CW
13	Epc: 4.4°S, 152.5 E. New Britain Region. - H = 22h 15m 09.6s (USCGS) Depth = 29 Km. Mag. = 5.3 (CGS)						
	SHL	eP	22	25	54		
13	MDR	e	22	26	06		
		e		36	39		
	CHA	eP	22	26	22		75.7
		S		36	00		
	NDI	eP	22	27	13		80.3
		eS		37	14		
		e		37	48		
	POO	eP	22	27	22		81.3
		eS		37	28		
13	BOM	e	22	27	44		
13	HYD	i	22	37	02		
13	SHL	iP	22	54	38	D	
13	Epc: 7.0°S, 12.6°W - H = 23h 44m 11.1s (USCGS) Depth= 28 Km. Mag. = 5.0 (CGS)						
	NDI	eP	23	57	34		
14	NDI	iP	00	34	00.5	D	8.6
		eS		35	39		
14	SHL	eP	01	31	36.0		1.1
		eS		31	50.8		
	TOC	eP	01	31	40		
14	NDI	i	02	11	51		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
14	NDI	eP	05	30	50		3.3
		eS		31	30		
		e		32	03		
14	Epc: 5.4°N, 96.6°E - H = 06h 41m 46.2s (USCGS) Depth = 33 Km. Mag. =. 5.2 (CGS)						
	PBA	S	06	45	04		
	MDR	eP	06	45	56		
	KOD	iP	06	46	15.5		DSE
	SHL	iP	06	46	27.0		DS
	POO	eP	06	47	16		
	NDI	iP	06	47	50		C
14	BOK	e	07	41	30		
14	SHL	iP	08	03	34		DS
14	BOK	e	08	20	42		
14	BOK	e	09	12	04		
14	NDI	e	12	44	27		
		e		45	09		
		e		47	05		
14	SHL	eP	12	45	18		
	CHA	eP	12	46	10		C
		i		47	43		
	BOK	e	12	46	50		
14	KOD	iP	13	03	47		C
14	SHL	iP	13	32	45		D
14	BOK	e	14	31	01		
14	NDI	i	15	19	12		
14	NDI	i	18	00	55		
14	Epc: 40.7°N, 30.5 E - H = 20h 09m 25.8s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	NDI	eP	18	16	57		
	SHL	iP	20	18	37		C
14	SHL	eP	22	42	32		
15	SHL	eP	00	43	54		
15	SHL	iP	03	33	18		DNE
15	SHL	iP	04	26	14		CSW
15	Epc: 36.5°N, 19.4°E - H = 04h 35m 53.3s (USCGS) Depth = 33 Km. Mag.= 4.5(CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
15 Contd.	NDI	eP	04	44	37		
15	NDI	e	05	52	28		
15	NDI	i	06	30	51		
15	NDI	i	06	33	05		
15	NDI	i	06	42	04		
15	NDI	i	06	57	40		
15	NDI	i	06	59	24		
		i		59	30		
15	NDI	i	07	00	35		
15	Epc: 36.3°N, 70.2°E -H = 07h 40m 28.7s (USCGS) Depth = 189 Km. Mag. = 4.7 (CGS)						
	NDI	iP	07	42	42.7	DNW	9.0
		iS		44	22.8		
	CHA	iP	07	44	19.6	C	
		e		47	23		
	POO	eP	07	44	29		
	BOK	eP	07	44	44		
	SHL	iP	07	45	03	DSE	
15	Epc: 31.1°N, 93.7°E. Tibat H = 09h 21m 02.3s Depth = 33 Kms. (CGS) Mag. = 5.7 (USCGS)						
	TOC	eP	09	22	13		
		e		22	43		
	SHL	iPn	09	22	28	DNE	7.5
		iSn		23	54		
	CHA	iP	09	22	50	D	9.0
		eS		24	33		
	BOK	eP	09	23	22		11.3
		iS		25	29		
	DDI	eP	09	24	11		15.0
		eS		26	58		
	NDI	eP	09	24	21		16.3
		eS		27	21		
	VIS	eP	09	24	44		17.6
		iS		27	57		
	SEH	eP	09	24	50		
		e		24	56		
	PBA	eP	09	25	36		18.5
		e		29	18		
	POO	iP	09	25	53	C	
		i		29	57		
	MDR	eP	09	25	54		
	BOM	eP	09	26	03		
		e		30	06		
	KOD	iP	09	26	34.5	CSW	
15	Epc: 8.3°S, 80.4°W -H = 11h 18m 33.6s (USCGS) Depth = 33 Km. Mag. = 4.3 (CGS)						
	NDI	e	11	38	31		
15	NDI	eP	15	25	21		8.9
		eS		27	03		
15	SHL	iP	15	43	21	CSW	
	NDI	iP	15	44	29.8	D	
	POO	eP	15	45	35		
15	PBA	iPg	16	33	27.0	C	0.6
		iSg		33	34.5		
15	NDI	e	19	11	44		
15	CHA	iPg	19	40	28.0	D	1.7
		Sg		40	50.0		
15	Epc: 27.1°N, 140.5°E - H= 20h 10m 10.3s (USCGS) Depth = 349 Km. Mag. = 4.6 (CGS)						
	NDI	iP	20	19	12		
16	MDR	eP	03	38	02		
16	KOD	ePn	03	38	16	DSW	3.1
		iSn		38	54		
16	POO	eP	03	41	19		
16	SHL	eP	04	58	39		
16	SHL	iP	05	59	51	CSW	
16	BOK	e	08	42	36		
16	SHL	eP	09	09	02		1.7
		iS		09	25		
16	NDI	iP	10	14	10.0	C	
16	SHL	iPg	13	42	24	D	1.1
		iS		42	37		
16	POO	eP	14	36	50		
16	PBA	eP	15	34	36		31.3
		eS		39	43		
16	Epc: 0.9°N, 98.9°E Northern Sumatra Depth = 26 Kms. (CGS) - H = 19h 18m 57.6s Mag. = 5.6 (USCGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
16 (Cont.)	PBA	eP	19	22	05		
		PP		22	19		
	MDR	iP	19	23	56	CW	22.6
		eS		27	58		
		SS		28	40		
	VIS	iP	19	24	00	DW	22.8
		iPP		24	29		
		iS		28	04		
		eSS		28	56		
	KOD	iP	19	24	08.0	DNE	
	BOM	eP	19	24	13		
	SHL	iP	19	24	27	DS	24.8
		iS		28	46		
	BOK	iP	19	24	33	S	25.6
		PP		25	12		
		PPP		25	23		
		iS		28	57		
		SS		30	00		
		SSS		30	15		
		ScS		35	18		
	CHA	iP	19	24	52	D	28.4
		S		29	36		
	POO	eP	19	25	09		
	NDI	iP	19	25	46.5	DSW	33.8
		i		26	05		
		eS		31	08		
	DDI	eP	19	25	55		34.6
		eS		31	22		
		ScS		36	10		
17	Epc: 51.9°N, 160.0°E - H = 00h 06m 54.6s (USCGS) Depth = 33 Km. Mag. = 4.2 (CGS)						
	SHL	iP	00	16	39	DNE	
17	SHL	iP	00	36	51	C	
17	NDI	i	02	10	33		
17	NDI	i	02	24	39.5		
17	NDI	i	02	29	28		
17	NDI	e	02	46	11		
17	SHL	iP	07	07	05	DSW	
17	KOD	iP	07	25	03.7	DSW	
17	SHL	eP	08	17	15		
17	BOK	e	09	12	24		
17	NDI	e	11	19	34		
17	NDI	i	11	19	47		
	NDI	i	11	20	35		
		e		20	37.0		
17	Epc: 39.4°N, 142.3°E -H = 14h 31m 56.4s (USCGS) Depth = 84 Km. Mag. = 4.7 (CGS)						
	SHL	eP	14	40	02		
	NDI	eP	14	41	16		
17	Epc: 14.4°N, 92.9°W - H = 17h 34m 33.8s (USCGS) Depth = 33 Km. Mag. = 4.1 (CGS)						
	SHL	eP	17	53	16		
17	NDI	iPg	15	00	38.5	WD	0.25
		iSg		00	41.5		
17	NDI	e	18	01	44		
17	NDI	e	18	03	11		
17	NDI	e	19	10	32		
17	SHL	iPg	19	29	32	DN	0.1
		iSg		29	33		
17	Epc: 60.3°S, 27.0°W -H = 20h 28m 33.7s (USCGS) Depth = 98 Km. Mag. = 5.2 (CGS)						
	NDI	ePKP	20	47	16	D	
17	Epc: 59.4°N, 151.4°W Kenai Peninsula Alaska Depth = 55 Kms. (CGS) - H = 22h 42m 09.3s Mag. = 5.0 (USCGS)						
17	SHL	iP	22	54	17	DN	
	CHA	iP	22	54	23	D	
	NDI	iP	22	54	31.5	D	
		ePcP		54	44		
17	Epc: 22.8°S, 68.9°W - H = 23h 20m 02.7s (USCGS) Depth = 90 Km. Mag. = 4.7 (CGS)						
17	KOD	iPKP	23	39	34.8	D	
		i		40	00		
17	NDI	ePKP	23	39	38		
		i		39	58		
		i		40	08		
17	SHL	iP	23	47	23	DS	
18	SHL	eP	03	39	44		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
18	NDI	i	03	41	44		
18	Epc: 27.8°N. 127.7°E - H = 03h 35m 40.5s (USCGS) Depth = 94 Km. Mag. = 5.4 (CGS)						
	SHL	iP	03	41	59		CW
	NDI	iP	03	43	39.5	44.3	
		e		44	14		
		PP		45	24		
		PcS		49	14		
		eS		50	02		
	KOD	iP	03	44	29		CW
18	Epc: 61.5°N, 151.0°W - H = 05h 50m 29.0s (USCGS) Depth = 19 Km Mag. = 4.5 (CGS)						
	NDI	iP	06	02	44		
		i		02	48		
		iPcP		02	55		
18	NDI	e	07	38	45		
18	NDI	i	07	39	05		
18	NDI	e	07	39	17		
18	BOK	e	08	42	07		
18	BOK	e	09	19	29		
18	Epc: 5.7°N, 125.8°E - H = 09 h 36m 42.1s (USCGS) Depth = 160 Km. Mag. = 5.2 (CGS)						
	SHL	eP	09	43	46		
	NDI	eP	09	45	30		D
	DDI	iP	09	45	30.3		D
18	SHL	eP	09	53	49		
18	BOK	e	11	34	52		
18	SHL	eP	12	25	20		
18	NDI	eP	13	47	19	9.0	
		e		48	21		
		i		48	57		
		iS		49	01		
18	SHL	iP	14	00	09		CSE
18	SHL	iP	15	05	09		DSE
18	NDI	eP	16	35	38	7.2	
		iS		37	01		
	DDI	eP	16	35	43		
	SHL	i	16	38	28		
18	NDI	i	17	49	21		
		e		50	41		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
18	SHL	iPg	18	15	33		CNE 0.4
		iSg		19	39		
18	Epc: 6.8°S. 107.1°E - H = 18h 52m 42.7s (USCGS) Depth = 124 Km. Mag. = ?						
	NDI	e	19	00	49		
18	NDI	e	19	45	05		
		i		45	07		
18	BHK	ePn	20	02	20	2.5	
		eSn		02	51		
18	DDI	ePn	20	03	31	3.2	
		Sn		04	10		
18	NDI	ePn	20	03	47	4.2	
		P*		03	56.5		
		Pg		04	03.3		
		Sn		04	39		
		Sg		04	59		
18	POO	eP	20	10	07		
18	SHL	iP	20	58	11		DNE
19	NDI	eP	01	12	51	9.9	
		eS		14	44		
19	Epc: 36.9°N, 71.5°E - H = 01h 34m 43.5s (USCGS) Depth = 127 Km. Mag. = 4.9 (CGS)						
	BHK	eP	01	36	20	6.7	
		eS		37	35		
	DDI	eP	01	36	46	8.5	
		eS		38	21		
	NDI	iP	01	36	57.5	C	9.0
		iS		38	37		
	SHL	eP	01	38	35		
	POO	eS	01	42	14		
19	NDI	i	05	13	20		
19	NDI	i	05	38	04		
19	KOD	iP	07	11	21.2		CE
19	SHL	iP	07	22	27		CNE
19	NDI	eP	10	20	06	7.7	
		eS		21	35		
19	NDI	i	11	17	31		
19	BOK	e	11	18	25		
19	NDI	e	11	21	47		
19	NDI	i	11	23	07		
19	NDI	eP	11	28	20	8.5	
		eS		29	57		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
19		Epc: 40.8°N, 143.5°E					
		- H = 12h 14m 21.7s (USCGS)					
		Depth = 45 Km.					
		Mag. = 4.8 (CGS)					
	SHL	eP	12	22	37	C	
	NDI	eP	12	23	47		
		e		23	58		
19	NDI	i	13	20	10		
19		Epc: 36.3°N, 140.3°E					
		- H = 13h 38m 17.2s (USCGS)					
		Depth = 100 Km.					
		Mag. = 4.2 (CGS)					
	NDI	eP	13	47	23		
19		Epc: 10.4°N, 126.0°E					
		Philippine Islands Region					
		Depth = 58 Kms (CGS)					
		H = 15h 28m08.5s					
		Mag. = 5.6 (USCGS)					
	SHL	eP	15	35	02		35.6
		PP		36	28		
		eS		40	33		
	CHA	iP	15	35	40	CW	
	BOK	iP	15	35	43	CW	38.6
		PP		37	19		
		iPPP		37	51		
		iS		41	35		
	VIS	iP	15	35	56	DE	42.8
		iPP		37	34		
		iPcP		37	49		
		iPPP		38	02		
		iS		42	15		
	MDR	iP	15	36	20	DE	45.8
		PP		38	14		
		eS		42	58		
		PPS		43	07		
		SS		46	05		
	KOD	iP	15	36	42.5	CW	48.0
		PcP		38	10		
		PP		38	30		
		iS		43	36		
		PS		43	44		
		PPS		43	52		
		SS		46	54		
	DDI	iP	15	36	47.9	C	
		i		36	59.3		
		i		38	47.1		
	NDI	iP	15	36	49.2	C	48.8
		iPcP		38	14		
		PP		38	46		
	NDI (Contd.)	eS		43	46		
		PPS		44	14		
		ScS		47	28		
	POO	iP	15	37	06.0	C	51.3
		PP		39	00		
		eS		44	20		
	BOM	iP	15	37	12,0		52.3
		iPP		39	11		
		eS		44	32		
		SS		48	06		
19		Epc: 12.4°S, 166.6°E					
		- H = 15h 41m 53.3s (USCGS)					
		Depth = 86 Km.					
		Mag. = 5.4 (CGS)					
	CHA	iP	15	54	28.0	C	
	KOD	iP	15	54	53.0	DE	
	DDI	iP	15	55	07.9	C	
	NDI	iP	15	55	08.0	WC	
		e		55	32		
19	TOC	e	22	02	48		
		e		03	05		
19	TOC	e	22	06	22		
		e		06	36		
19	NDI	iP	22	30	55	D	
19	SHL	iP	23	29	41	DN	2.4
		eS		30	12		
19		Epc: 32.5°N, 106.5°E					
		- H = 23h 31m 44.7s (USCGS)					
		Depth = 39 Km.					
		Mag. = 4.8 (CGS)					
	SHL	iP	23	35	09	DNE	
	CHA	iP	23	35	58	D	18.7
		eS		39	22		
19	NDI	ePg	23	58	31.0		0.96
		iSg		58	43.5		
20		Epc: 58.1°N, 156.5°W					
		- H = 00h 07m 46.0s (USCGS)					
		Depth = 127 Km.					
		Mag. = 4.8 (CGS)					
	NDI	iP	00	19	56	NED	
20		Epc: 45.3°N, 80.1°E					
		- H = 02h 02m 05.2s (USCGS)					
		Depth = 33 Km.					
		Mag. = 5.1 (CGS)					
	NDI	eP	02	05	57		16.4
		iPP		06	03		
		eS		08	58		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
20 Contd..	CHA	iP	02	06	35	C	19.8
		S		10	10		
	SHL	eP	02	06	58		22.5
		eS		10	58		
	BOK	eP	02	06	58		22.5
		PPP		07	39		
		eS		10	58		
	POO	eP	02	07	49		
		e		12	48		
	KOD	iP	02	09	06.6	DN	
20	DDI	i	02	09	44		
20	MDR	e	02	14	44		
		e		19	29		
20	SHL	iP	03	07	41	DNW	
20	NDI	i	03	37	15		
20	NDI	i	03	40	28		
20	NDI	i	06	54	45		
20	NDI	i	07	26	19		
20	NDI	i	07	27	51		
		i		27	54		
20	BOK	e	09	34	06		
20	NDI	i	10	54	31		
20	NDI	i	11	02	52		
20	NDI	i	11	04	23		
		e		04	26		
20	NDI	e	14	00	24		
20	Epc: 25.2°S, 69.0°W - H = 15h 03m 36.2s (USCGS) Depth = 109 Km. Mag. = 5.6 (CGS)						
	POO	iPKP	15	23	02.2	D	
	KOD	iPKP	15	23	03.5	DE	
20	MDR	ePKP	15	23	10		
		i		23	14		
		i		23	42		
20	NDI	iPKP	15	23	10.5		
		i		23	15		
		i		23	20		
		pPKP		23	39.5		
		i		23	44		
		i		23	50		
20	DDI	iPKP	15	23	13.5		
	CHA	iPKP	15	23	23	D	
20	SHL	iPKP	15	23	27	DSW	
Contd.							
20	CHA	iPg	16	27	24.3	C	1.0
		Sg		27	36.8	M=3¾	
20	SHL	iP	16	28	25	C	
20	CHA	iPg	17	41	05.8	D	1.3
		Sg		41	22.5		
20	SHL	iP	17	41	47	CW	
20	SHL	iP	18	05	07	DSW	3.7
		iS		05	41		
20	SEH	Pg	18	45	31		1.3
		Sg		45	48		
20	POO	eP	18	46	25		
20	NDI	eP	18	46	48		6.1
		i		46	53		
		eS		47	59		
20	CHA	e	18	49	34		
20	KOD	ePn	18	49	51		5.7
		Sn		50	58		
20	CHA	iPg	19	00	0.8	D	1.6
		Sg		00	22.0		
20	SHL	eP	20	04	59		
20	NDI	eP	20	18	25		
20	SHL	eP	20	18	37		
20	NDI	e	22	05	34		
21	NDI	e	01	36	41		
21	NDI	eP	01	54	55		
21	NDI	i	02	36	27.5		
21	NDI	i		36	36.5		
21	NDI	i	04	37	29.5		
21	NDI	i	04	51	23		
21	NDI	i	04	51	49		
		e	05	39	16		
21	Epc: 3.6°N, 95.8°E - H = 07h 33m 00.6s (USCGS) Depth = 33 Km. Mag. = 5.9 (CGS)						
21	PBA	eP	07	34	58		8.0
		PPP		35	17		
		iS		36	29		
		SSS		36	50		
21	MDR	iP	07	37	10	CE	18.5
		PP		37	27		
		iS		40	32		
		SS		40	52		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
21 Contd.	VIS	iP	07	37	15	DSE	18.9
		iPP		37	31		
		iPPP		37	42		
		iS		40	41		
		iSS		41	01		
		iSSS		41	13		
	KOD	iP	07	37	26.8	DSE	19.6
		PP		37	45		
		eS		41	00		
	CAL	iP	07	37	34	NE	20.3
		iS		41	14		
	SHL	iP	07	37	51	CNE	22.2
		iS		41	48		
	HYD	iP	07	37	52	N	22.5
		iS		41	52		
	BOK	iP	07	37	54	CNW	22.9
		PP		38	23		
		PPP		38	37		
		iS		41	57		
		SS		42	34		
		SSS		43	02		
	CHA	iP	07	38	13		
		e		42	40		
	POO	iP	07	38	33.4	C	25.5
		iS		42	56		
		SSS		43	59		
	SEH	eP	07	38	37		27.1
		iS		43	10		
	BOM	iP	07	38	43	CNW	27.8
		PP		39	30		
		PcP		42	03		
		eS		43	22		
		SS		44	39		
	NDI	iP	07	39	12.0	CNW	29.8
		PP		40	07	Mag.=	6.5
		PcP		42	20		
		iS		44	05		
		PcS=ScP		46	06.8		
		ScS		49	50		
	DDI	iP	07	39	19.5	C	31.4
		PP		40	19.5		
		iS		44	23		
		SSS		46	25		
	BHK	eP	07	39	36		
		e		44	38.0		
21	POO	eP	07	58	11		
21	BOK	e	08	36	47		
21	BOK	e	10	24	41		
21	BOK	e	10	42	08		
21	BOK	e	10	59	55		
21	NDI	eP	13	44	50.5		8.3
		eS		46	25.5		
	NDI	ePn	14	24	29		3.4
		iP*		24	36		
		iPg		24	44.5		
		iSn		25	11.0		
		iSg		25	31.8		
	CHA	iP	14	24	46.0	D	4.4
		S		25	38		
	SHL	eP	14	25	42		
21	POO	e	14	28	42		
21	SHL	iPg	15	49	13	D	1.3
		iSg		49	30		
21	NDI	e	15	57	22		
21	NDI	e	15	58	45		
21	NDI	i	16	01	18		
21	CHA	iP	19	55	51	D	
21	Epc: 1.9°S, 151.9°E - H = 21h 37m 05.3s (USCGS) Depth = 13 Km. Mag. = 4.9 (CGS)						
	SHL	iP	21	47	41	CNW	
	NDI	eP	21	49	02		
21	SHL	iPg	23	13	33	DS	0.8
		iSg		13	43		
22	SHL	iP	00	19	15	DNW	
22	NDI	e	00	52	05		
22	SHL	iP	04	36	58.8		
22	SHL	ePg	05	58	32		0.4
		iSg		58	37		
22	KOD	iP	07	04	13.0	DSW	
22	Epc: 11.0°S, 78.2°W - H = 07h 42m 44.7s (USCGS) Depth = 53 Km. Mag. = 5.0 (CGS)						
	NDI	e	08	02	33		
22	Epc: 2.5°N, 127.2°E - H = 08h 44m 59.6s (USCGS) Depth = 26 Km. Mag. = ?						
	SHL	iP	08	52	16	D	

DATE	STN	PHASE	H.	M.	S.	△ Deg.
22		Epc: 19.7°S, 70.7°W				
		- H = 08h 55m 54.6s (USCGS)				
		Depth = 46 Km.				
		Mag. = 4.8 (CGS)				
	NDI	iPKP	09	15	37.5	
	P00	eP	09	15	43	
22		Epc: 12.5°S, 76.8°W				
		- H = 09h 59m 34.5s (USCGS)				
		Depth = 57 Km.				
		Mag. = 4.8 (CGS)				
	NDI	iPKP	10	19	23.0	
		i		19	38	
22		Epc: 60.8°S, 24.6°W				
		South Sandwich Island Region				
		Depth = 33 Km. (USCGS)				
		H = 13h 02m 06.8s				
		Mag. = 6.1 (USCGS)				
		6¾(PAS),5-7-6-1 (BRK)				
	P00	iPKP	13	20	36.5 C	
	NDI	eP	13	17	20	119.5
		ePKP		20	54	
		ePP		22	23	
		SKS		27	46	
		i		30	28	
		PS		32	08	
		PPS		33	36	
		SS		38	47	
		SSS		39	05	
		SSS		43	14	
	MDR	ePKP	13	20	41	
	CHA	iP	13	21	04	
		SKS		28	16	
	SHL	iPKP	13	21	06	126.0
		eSKS		28	08	
	P00	e	13	21	08	
		i		29	04	
		i		36	40	
	BOM	e	13	21	10	
	VIS	e	13	21	39	
		e		31	19	
	PBA	i	13	21	45	
		i		28	14	
	BOK	i	13	22	21	
		e		27	11	
		i		32	16	
	CAL	i	13	22	30	
		e		32	20	

DATE	STN	PHASE	H.	M.	S.	△ Deg.
DD	DDI	e	13	22	30.3	
		i	30	37.7		
		i	53	03.9		
22	NDI	ePg	16	12	21.5	0.23
		iSg		12	24.2	
22	TOC	e	16	46	19	
22	NDI	i	17	30.31.5		
22	NDI	i	22	29	21.5	
22	SHL	iPg	23	13	17 C	1.1
		eSg		13	31	
22		Epc: 56.2°N, 112.6°E				
		- H = 23h 12m 18.9s (USCGS)				
		Depth = 22 Km.				
		Mag. = 5.0 (CGS)				
	SHL	iP	23	19	04 D	
22	NDI	i	23	39	43	
23		Epc: 19.7°S, 71.0°W				
		- H = 00h 09m 26.0s (USCGS)				
		Depth = 29 Km.				
		Mag. = 4.6 (CGS)				
	NDI	ePKP	0029	13.5		
23	NDI	iPg?	03	51	14.1 ND	0.34
		iSg		51	18.5	
23	NDI	e	04	32.16		
23	BOK	e	07	29	44	
23		Epc: 3.1°S, 128.0°E				
		- H = 08 h 30m 01.4s (USCGS)				
		Depth= 68 Km.				
		Mag. = 4.5 (CGS)				
23	SHL	iP	08	38	14 DE	
23		Epc: 4.3°S, 81.5°W				
		- H = 09h 21m 59.4s (USCGS)				
		Depth = 33 Km.				
		Mag. = 5.0 (CGS)				
23	NDI	iPKP	09	41	41.8	
23	SHL	iP	09	42	27 D	
23	BOK	e	10	40	49	
23	NDI	e	12	32	08	
23	TOC	eP	14	01	27	
		e		01	38	
		e		01	50	
	SHL	iP	14	01	55 D	
23	SHL	eP	16	35	25	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
23	SHL	eP	18	12	03		
23	SHL	eP	20	22	33		
23	NDI	i	20	56	55.4		
23	SHL	eP	21	29	17		
24	POO	eP	00	12	50		
	NDI	e	00	13	52		
	TOC	e	00	14	45		
24	KOD	iP	00	16	38.0		CNE
24	Epc: 35.3°N, 88.0°E - H = 01h 17m 09.6s (USCGS) Depth = 31 Km. Mag. = 4.5 (CGS)						
	CHA	iP	01	19	15		C
	SHL	iP	01	19	37		D
	NDI	eP	01	19	50		
	BOK	e	01	23	27		
24	Epc: 24.6°S, 66.9°W - H = 01h 18m 51.0s (USCGS) Depth = 172 Km. Mag. = 4.5 (CGS)						
	NDI	ePKP	01	38	18		
24	Epc: 43.5°N, 147.5°E - H = 03 21m 17.6s (USCGS) Depth = 70 Km. Mag. = 5.4 (CGS)						
	SHL	iP	03	29	54		CNE
	NDI	iP	03	30	59.3	C	57.0
		i		31	15		
		eS		38	47		
	POO	eP	03	32	02		
	KOD	e	03	32	33		
24	NDI	i	03	39	49		
24	NDI	i	08	45	50		
24	Epc: 14.9°S, 166.9°S - H = 10h 32m 52.6s (USCGS) Depth = 32 Km. Mag. = 5.3 (CGS)						
	SHL	iP	10	45	21		DSE
	BOK	iP	10	45	44		87.1
		iS		56	19		
	NDI	eP	10	46	22		
		PP		50	22		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
24	Epc: 17.1°S, 40.3°E - H = 10h 43m 26.2s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	SHL	iP	10	54	07		CN
	MDR	e	10	56	51		
24	NDI	i	13	15	11		
		i		15	20		
		i		15	24		
24	NDI	i	13	16	39		
24	NDI	iSg	14	08	53.2		
24	NDI	i	14	15	37		
24	Epc: 6.3°S, 130.0°E - H = 14h 19m 28.3 (USCGS) Mag. = 5.1 (CGS), Depth = 161Km.						
	SHL	iP	14	27	59	C	45.0
		eS		34	19		
	CHA	iP	14	28	31		C
	KOD	eP	14	28	44		DSE
	POO	eP	14	29	24		
	NDI	iP	14	29	29.5		DSE
24	Epc: 18.5°N, 145.5°E - H 17h 14m 00.1s (USCGS) Depth = 197 Km. Mag. = 5.1 (CGS)						
	SHL	eP	17	22	38		
	NDI	eP	17	24	07		
		e		24	55		
	POO	eP	17	24	32		
	TOC	e	17	31	12		
		e		31	25		
24	SHL	eP	19	37	38		2.1
		eS		38	05		
24	Epc: 10.5°S, 27.3°E - H = 23h 14m 45.0s (USCGS) Depth = 21 Km. Mag. = 5.0 (CGS)						
	NDI	eP	23	25	08		
		e		25	17		
	SHL	e	23	27	21		
25	PBA	eP	00	45	11		47.0
		iS		52	03		
	HYD	iS	00	54	19		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
25	NDI	i	02	09	09		
25	NDI	i	02	09	32		
		i		09	35		
25	NDI	i	02	20	38		
25	SHL	iP	04	11	59	D	
25	NDI	e	04	16	03		
		i		16	09		
25	NDI	i	04	30	21		
25	NDI	e	04	38	41		
25	NDI	eP*	07	20	32.8		1.05
		iS*		20	47.1		
25	BOK	e	08	04	59		
25	NDI	e	08	41	14		
25	NDI	i	09	40	30		
25	SHL	iPg	10	26	44	C	1.1
		eSg		26	58		
25	Epc: 35.4°N, 49.1°E - H = 12h 26m 48.7s (USCGS) Depth = 43 Km. Mag. = 4.8 (CGS)						
	NDI	iP	12	32	08.5		
25	SHL	eP	12	49	02	CE	
25	SHL	iP	13	48	09	CE	
25	NDI	i	14	47	08		
25	Epc: 51.7°N, 177.2°E - H = 15h 03m 25.1s (USCGS) Depth = 37 Km. Mag. = 4.8 (CGS)						
	SHL	iP	15	14	19	DNE	
	NDI	eP	15	14	57		73.9
		eS		24	24		
	POO	e	15	16	03		
25	SHL	eP	15	36	15		
	CHA	iP	15	36	36.8	D	3.5
		S		37	19		
25	NDI	e	15	42	24		
25	NDI	eP	16	29	27		
		i		30	03		
25	SHL	ePg	17	22	57		0.9
		eSg		23	10		
25	SHL	ePg	20	15	21		1.7
		eSg		15	44		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
25	Epc: 12.2°N, 140.8°E - H = 22h 54m 18.3s (USCGS) Depth = 33 Km. Mag. = 4.9 (CGS)						
	SHL	iP	23	02	56	D	
	NDI	eP	23	04	31		
	KOD	iP	23	04	39.0	CW	
		i		04	50		
25	Epc: 12.2°N, 140.9°E - H = 22h 58m 48.3s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	SHL	iP	23	07	26	DSE	
	NDI	eP	23	09	01		
	KOD	iP	23	09	09.0	CSW	
	POO	eP	23	09	24		
26	Epc: 4.0°N, 127.5°E - H = 00h 06m 07.1s (USCGS) Depth = 132 Km. Mag. = ?						
	SHL	iP	00	13	31.0	CNW	
	NDI	eP	00	15	13		
26	Epc: 12.2°N, 140.7°E - H = 00h 36m 42.1s (USCGS) Depth = 33 Km. Mag. = 6.1 (CGS)						
	SHL	iP	00	45	20	DE	48.6
		iPP		47	12		
		iS		52	18		
	CAL	iP	00	45	43	NE	52.0
		iS		53	02		
	CHA	iP	00	45	54.0	DSE	52.8
		e		48	05		
		eS		53	18		
	BOK	eP	00	46	02		53.6
		PP		48	04		
		PPP		49	11		
		iS		53	33		
		PS		53	43		
		SS		57	22		
		SSS		59	08		
	VIS	iP	00	46	15	CW	55.8
		iPP		48	19		
		iS		53	58		
26	MDR	iP	00	46	42	DW	60.4
		PCP		47	22		
		iS		54	28		
		PS		55	01		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
26	DDI	iP	00	46	51.7	D	60.9
		iS		55	05		
		i		58	38.6		
	NDI	iP	00	46	55.2	DSE	61.5
		i		47	08	Mag. = 6.5	
		eS		55	12		
		PS		55	24		
		PPS		55	36		
		SS		59	10		
		SSS	01	01	46		
	SEH	eP	00	46	56		
	KOD	iP	00	47	03.0	DNE	64.2
		iS		55	36		
		PS		55	52		
	POO	iP	00	47	18.1	D	
		i		55	52		
	BOM	iP	00	47	25		66.3
		PcP		47	56		
		PP		49	51		
		iS		56	10		
		PS		56	30		
26	Epc: 12.2°N, 140.7°E - H = 00h 53m 17.4s (USCGS) Depth = 14 Km. Mag. = 5.3 (CGS)						
	CHA	iP	01	02	32	C	
	NDI	eP	01	03	34		
26	NDI	e	01	15	58		
		e		16	08		
26	Epc: 12.2°N, 140.8°E - H = 02h 07m 08.9s (USCGS) Depth = 30 Km. Mag. = 5.3 (CGS)						
26	CHA	iP	02	16	21.4	D	
		e		23	48		
	MDR	iP	02	17	11.0	DE	60.5
		eS		25	22		
	NDI	iP	02	17	23.0	DE	
	KOD	iP	02	17	30.6	CW	
	POO	iP	02	17	45.7	D	
26	SHL	eP	03	29	05	Locally felt	
26	Epc: 12.2°N, 140.7°E -H = 03h 29m 58.5s (UCGS) Depth = 30 Km. Mag. = 4.8 (CGS)						
	SHL	iP	03	39	37.0	DS	
	NDI	iP	03	40	12.0	D	

DATE	STN	PHASE	H.	M.	S.		△ Deg.
26 Contd.	KOD	iP	03	40	20.0	DE	
	POO	eP	03	40	33.		
	NDI	iP	03	58	11.0	CE	
		eS		59	51		8.7
26	Epc: 12.1°N, 140.7°E - H = 05h 25m 17.4s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	SHL	iP	05	33	55	C	
	NDI	eP	05	35	31		
	KOD	iP	05	35	40.6	C	
26	Epc: 12.1°N, 140.6°E - H = 05h 46m 50.1s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)						
	SHL	eP	05	55	28		
	NDI	eP	05	57	03	C	
26	BOK	e	08	10	19		
26	BOK	e	08	44	24		
26	NDI	i	10	25	44		
		i		25	47		
26	Epc: 12.2°N, 140.7°E - H = 10h 25m 13.5s (USCGS) Depth = 33 Km. Mag. = 4.6 (CGS)						
	NDI	eP	10	35	28		
26	NDI	i	10	52	10		
		i		52	25		
26	Epc: 12.1°N, 140.6°E - H = 11h 09m 47.9s (USCGS) Depth = 19 Km. Mag. = 4.6 (CGS)						
	NDI	eP	11	20	05		

(Pleas see page No.27)

26	SHL	iP	15	15	43	CW	2.6
		iS		16	15.0		
26	SHL	eP	15	33	51		
26	Epc: 20.2°S, 67.1°E - H = 15h 25m 20.0s (USCGS) Depth = 33 Km. Mag. = 5.0 (CGS)						
	NDI	eP	15	34	10		
	CHA	eP	15	34	14		
	SHL	eP	15	34	31		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
26	SHL	ePg	16	03	17	1.4	
		eSg		03	37		
26	NDI	eP	19	30	46		
		e		32	14		
	POO	e	19	33	57		
26	Epc: 55.3°N, 160.6°W - H = 21h 44m 59.2s (USCGS) Depth = 65 Km. Mag. = 4.7 (CGS)						
	NDI	eP	21	57	18		
27	NDI	iP	01	28	39		
27	NDI	i	01	30	15		
27	NDI	eP	01	40	29		
27	Epc: 5.7°S, 106.6°E - H = 01h 55m 15.7s (USCGS) Depth = 175 Km.						
	KOD	iP	02	01	38.5	CNW	
	POO	eP	02	02	37		
	NDI	iP	02	03	09.3	CNW	
27	NDI	i	02	06	54		
27	NDI	i	02	07	05		
27	NDI	i	02	35	35		
27	NDI	i	03	47	54		
27	NDI	e	03	49	13		
27	KOD	iP	04	20	08.6	DNW	
27	Epc: 36.3°N, 71.1°E - H = 04h 49m 59.7s (USCGS) Depth = 225 Km. Mag. = 4.5 (CGS)						
27	DDI	eP	04	51	58		8.2
		iS		53	30		
27	NDI	iP	04	52	08.3	CSE	8.7
		iS		53	45		
	SHL	eP	04	54	26		
	POO	e	04	57	47		
27	DDI	eP	05	59	41		
27	NDI	ePn	06	00	11		2.6
		ePg		00	18.5		
		eSn		00	43		
		iSg		00	52		
27	SHL	iP	09	42	21	CE	

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
27	NDI	iPn	10	05	10.5	D	44.6
		i		05	35		
		iSn		06	04		
	BOK	e	10	06	31		
27	POO	eP	10	09	58		
27	Epc: 23.1°N, 94.2°E - H = 11h 11m 57.2s (USCGS) Depth = 61 Km. Mag. = 4.5 (CGS)						
	SHL	iP	11	12	46	DNE	
	NDI	iP	11	15	44.5	D	
		eS		18	29		
27	NDI	i	13	27	51		
27	Epc: 12.3°N, 86.2°W - H = 13h 08m 55.9s (USCGS) Depth = 183 Km. Mag. = 5.2 (CGS)						
	NDI	ePKP	13	27	56		137.0
		i		28	22		
		ePP		30	40		
		e		31	13		
	SHL	ePKP	13	28	04		
	POO	ePKP	13	28	07		
	KOD	ePKP	13	28	28	CE	
27	KOD	i	13	31	20.8		
27	BOK	e	13	49	27		
27	Epc: 0.5°N, 126.1°E - H = 14h 16m 56.1s (USCGS) Depth = 62 Km. Mag. = 5.4 (CGS)						
	SHL	iP	14	24	37	DE	
	CHA	iP	14	25	13	C	
	KOD	iP	14	25	41.7	DE	
		PcP		27	05		
	NDI	eP	14	26	16		57.6
		eS		33	54		
	POO	iP	14	26	18.2	D	
	DDI	eP	14	26	21		
27	NDI	ePn	16	12	30.5		2.7
		Pg		12	37.5		
		Sn		13	04.5		
27	Epc: 12.5°N, 123.5°E - H = 16h 35m 13.8s (USCGS) Depth = 127 Km. Mag. = 4.7 (CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
27 contd.	SHL	eP	16	41	36		
27	NDI	iP	20	42	26.0		D
27	SHL	iP	20	50	19		C
27	PBA	ePg	21	07	32.9		
		iSg		07	35.9		
27	NDI	iS	21	48	05		
28	Epc: 10.0°S, 71.2°W - H = 00h 56m 51.0s (USCGS) Depth = 609 Km. Mag. = 4.7 (CGS)						
	P00	ePKP	01	15	22		
	NDI	ePKP	01	15	23		
		e		17	38		
		i		18	06		
	KOD	iPKP	01	15	35.1		DE
		e		17	52		
	SHL	eP	01	15	42		
28	SHL	eP	02	02	05		
28	NDI	i	04	46	40		
28	NDI	eP	04	56	16		
28	KOD	iP	07	15	22.5		DSW
28	BOK	e	08	17	01		
28	BOK	e	09	09	33		
28	NDI	eP	11	25	05	8.5	
		eS		26	43		
28	SHL	eP	12	45	12		
28	NDI	i	13	42	46		
		i		43	05		
		i		43	22		
		i		43	37		
28	BOK	e	15	23	21		
28	NDI	eP	17	44	24	8.8	
		eS		46	05		
	NDI	ePn	18	36	18.5	6.1	
		PP		36	24.5		Mag. = 5.0
		P*		36	30.5		
		Pg		36	45.0		
		i		37	05		
		iSn		37	30		
		SS		37	44		
		Sg		38	08.5		
	SEH	ePn	18	37	27	10.9	
		iSn		39	31		
		i		40	03		
		i		40	13		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
28 (Contd.)	P00	eP	18	37	42		
	BOK	eP	18	38	17	14.9	
		eS		41	04		
	CHA	iP	18	38	36		
	SHL	iP	18	39	14		DW
	VIS	e	18	42	51		
28	KOD	e	18	44	07		
	MDR	e	18	44	51		
		e		46	37		
28	BOK	i	18	49	30		
28	NDI	eP	19	53	58		
28	NDI	ePn	20	37	38	5.3	
		PP		37	42		
		eSn		38	40		
		S*		38	58		
28	SEH	ePn	20	37	47		
		i?		37	50		
		i?		37	52		
28	P00	eP	20	38	00		
28	KOD	eP	20	43	46.0		DW
28	Epc: 36.5°N, 80.1°E - H = 21h 05m 51.7s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	NDI	eP	21	07	53	7.9	
		iS		09	23		
	CHA	iP	21	08	37		C
	SHL	iP	21	09	21		C
	P00	eP	21	10	13		
	KOD	iP	21	11	29.2		C
28	CHA	iPg	23	03	0.7	1.2	C
		Sg		03	16.2		
28	SHL	ePn	23	03	30	3.6	
		eSg		04	24		
28	TOC	e	23	59	42		
		e		59	56		
29	NDI	i	01	20	04		
29	NDI	i	01	46	33		
				46	57		
29	NDI	i	02	33	47		
		i		35	14		
		i		35	29		
		i		35	32		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
29	PBA	e	07	34	51		
		e		35	37		
		e		41	39		
	SHL	e	07	35	49	CSE	
	VIS	eP	07	36	09		46.0
		eS		42	54		
	MDR	eP	07	36	13		46.7
		iS		43	03		
		PS		43	09		
		PPS		43	15		
		SS		46	23		
	BOK	eP	07	36	16		47.2
		i		38	12		
		eS		43	09		
	CHA	iP	07	36	22	C	
	KOD	eP	07	36	23		48.2
		e		38	22		
		eS		43	22		
	POO	eP	07	37	07		
	BOM	iP	07	37	17		55.7
		PP		39	24		
		eS		45	03		
29	CAL	i	07	42	29		
29	KOD	ePg	09	04	01.0		1.8
		iSg		04	24.7		
29	KOD	ePg	09	06	47.0		1.9
		iSg		07	12.0		
29	Epc: 3.3°S, 141.5°E - H = 10h 50m 09.4s (USCGS) Depth = 41 Km. Mag. = 5.1 (CGS)						
	SHL	iP	10	59	48	DS	
	POO	eP	11	01	22		
29	SHL	iP	15	56	23	CNW	
29	SHL	eP	17	47	04		
29	POO	eP	18	47	20		
29	SHL	ePg	21	14	19		0.9
		eSg		14	29.6		
29	CHA	iP	21	50	01	C	
	SHL	iP	21	51	03	DS	
	POO	eP	21	51	51		
30	Epc: 35.6°N, 140.0°E - H = 02h 06m 11.1s (USCGS) Depth = 72 Km. Mag. = 4.7 (CGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
30	POO	eP	02	16	14		
Contd.							
30	Epc: 31.7°N, 100.3°E - H = 04h 22m 01.5s (USCGS) Depth = 3 Mag. = 6.1 (CGS)						
	TOC	eP	04	23	54		
	SHL	iP	04	24	21	DE	9.1
		eS		26	05		
	CHA	iP	04	25	01	NE	12.0
		PPP		25	17		
		S		27	17		
	CAL	iP	04	25	21	NE	14.0
		iS		27	58		
	BOK	iP	04	25	32	DNE	14.6
		PP		25	42		
		PPP		25	51		
		iS		28	15		
		SS		28	35		
	DDI	eP	04	26	28	NE	19.4
		PPP		26	52		
		iS		30	01		
	NDI	iP	04	26	38.0		19.8
		PP		26	54	Mag.=7.2	
		PPP		27	06		
		iS		30	16		
		SS		30	44		
		PcP		30	52		
	BHK	eP	04	26	44		20.9
		eS		30	33		
	VIS	iP	04	26	45	CSW	20.9
		iS		30	34		
	PBA	iP	04	26	50	DNE	21.3
		PP		27	16		
		iS		30	43		
		SS		31	27		
		SSS		31	53		
	SEH	iP	04	27	00	SE	23.0
		iS		31	07		
	MDR	iP	04	27	41	CW	27.0
		PPP		28	38		
		iS		32	18		
		SS		33	25		
		SSS		33	50		
	POO	iP	04	27	47.4	D	27.6
		eS		32	28		
		i		36	03		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
	BOM	iP	04	27	55	NWD	28.7	
		PP		28	48			
		eS		32	44			
		SS		34	11			
	KOD	iP	04	28	14.0	NW	30.2	
		PP		29	12			
		PPP		29	26			
		iS		33	16			
		SS		34	52			
30	Epc: 36.2°N, 140.0°E - H = 08h 09m 40.8s (USCGS) Depth = 77 Km. Mag. = 4.7 (CGS)							
	SHL	iP	08	17	27	CSW		
	POO	eP	08	19	43			
30	Epc: 31.6°N, 100.3°E - H = 11h 08m 49.6s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)							
	SHL	eP	11	11	02		11.8	
		eS		13	15			
	CHA	eP	11	11	44		12.2	
		S		13	55			
	CAL	eP	11	12	07		13.5	
		eS		14	38			
	BOK	iP	11	12	15	NE	13.9	
		iS		14	49			
	NDI	iP	11	13	21.0	DNE	20.0	
		iS		17	00			
	VIS	iP	11	13	29.0	D		
	PBA	eP	11	13	34		21.3	
		eS		17	27			
	MDR	eP	11	14	22			
		PP		14	59			
	POO	iP	11	14	31.0	C		
		e		19	26			
	BOM	eP	11	14	36		27.2	
		eS		19	13			
		SS		20	39			
30	NDI	ePg	12	22	27.5		0.38	
		iSg		22	32.5			
30	CHA	iPg	12	54	01.9	C	1.4	
		Sg		54	20.0			
30	Epc: 5.1°S, 151.8°E - H = 13h 07m 31.8s (USCGS) Depth = 64 Km. Mag. = 5.0 (CGS)							

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
30 Contd.	SHL	iP	13	18	12	D		
30	Epc: 45.4°N, 151.5°E - H = 13h 33m 26.4s (USCGS) Depth = 33 Km. Mag. = 5.5 (CGS)							
	SHL	iP	13	42	29	CSW		
	CHA	iP	13	42	48	C	54.6	
		S		50	23			
	BOK	iP	13	43	08	CSW		
		i		51	10			
	NDI	iP	13	43	28.6	SWC	59.1	
		i		44	50			
		eS		51	32			
		PS		51	52			
	VIS	iP	43	43	48	C		
	MDR	eP	13	44	23			
		e		53	25			
	POO	iP	13	44	27.0	C		
		e		53	38			
	BOM	eS	13	53	50			
30	Epc: 45.3°N, 151.4°E - H = 20h 03m 31.7s (USCGS) Depth = 33 Km. Mag. = 4.5 (CGS)							
	SHL	iP	20	12	34	C		
	NDI	iP	20	13	34.5	D		
30	Epc: 33.9°N, 136.6°E - H = 20h 32m 31.7s (USCGS) Depth = 36 Km. Mag. = 4.5 (CGS)							
	NDI	eP	20	41	26			
31	SHL	iP	00	54	11	DE		
31	SHL	eP	05	32	59		2.7	
		eS		33	33			
31	POO	eP	07	01	(26)			
31	POO	eP	07	20	21			
31	SHL	eP	07	57	29	DE	2.7	
		eS		58	02			
31	BOK	e	08	57	32			
31	NDI	i	08	45	16			
		e		45	26			
		i		45	32			

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
31	NDI	i	09	04	31	
		i		04	46	
31	BOK	e	10	22	54	
31	NDI	i	10	23	21	
31	NDI	i	13	19	32	
		i		19	39	
		i		19	45	
31	NDI	eP	13	19	52	
31	NDI	i	13	24	20	
31	Epc: 18.3°N, 121.3°E - H 13h 38m 50.7s (USCGS) Depth = 99 Km. Mag. = 4.8 (CGS)					
	SHL	iP	13	44	33	D
31	Epc: 10.3°S, 78.1°W - H = 14h 06m 36.5s (USCGS) Depth = 62 Km. Mag. = 5.0 (CGS)					
31	NDI	iPKP	14	26	24.0	
Contd.		i		26	31	
31	NDI	i	16	16	42	
31	CHA	iPg	18	26	51.1	D 0.8
		Sg		27	02.0	
31	SHL	iP	19	06	41	D
31	SHL	eP	19	09	39	
	CHA	e	19	11	22	
	POO	eP	19	11	30	
	NDI	eP	19	11	31	
31	SHL	eP	21	10	45	
3	TOC	e	21	11	06	
31	PBA	iPg	23	58	36.5	CSE 0.6
		iSg		58	44.0	

------ooo------

from page No.22

26 Epc: 12.1°N, 140.7°E
-H = 12h 24m 23.6s (USCGS)
Depth = 42 kms.
Mag. = 4.8 (CGS)

NDI eP 12 34 35

from page No. 30 STATION ; BOKARO

DATE	HOUR GMT	K	MEAN Amplitude.	MEAN Period in sec.
31	00	3	0.5	4.2
	06	3	0.6	4.4
	12	3	0.5	4.4
	18	3	0.4	4.2

FELT EARTHQUAKE REPORTS
for the month of August, 1967

S.N.	STATION	DATE GMT	TIME GMT	NO.OF SHOCKS	DURATION IN SEC.	INTENSITY MM SCALE	REMARKS
1.	SHILLONG	06 09 67	20-35	One	30	IV	Coming from NE

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
STATION : BOMABY				
01	00	3	2.6	5.1
			1.4	3.0
	06	3	2.6	5.1
			1.5	2.9
	12	3	2.6	5.0
			1.5	3.0
	18	3	2.6	5.0
			1.5	2.9
02	00	3	2.5	5.0
			1.5	2.9
	06	(Record lost)		
	12	3	2.4	5.0
			1.4	2.9
	18	3	2.5	5.0
			1.4	2.9
03	00	3	2.3	4.8
			1.5	3.0
	06	3	2.5	5.0
			1.3	2.9
	12	3	2.3	4.9
			1.5	2.8
	18	3	2.4	4.9
			1.3	2.9
04	00	3	2.3	5.0
			1.3	2.9
	06	3	2.4	5.1
			1.4	2.9
	12	3	2.6	5.1
			1.4	3.0
	18	3	2.5	5.0
			1.5	3.0
05	00	3	2.5	5.1
			1.4	3.0
	(Record Lost)			
06	00	(Record Lost)		
	06	3	2.3	5.1
			1.4	3.0
	12	3	2.4	4.9
			1.5	3.0
	18	3	2.5	5.0
			1.5	3.0
07	00	3	2.4	5.0
			1.4	2.9
	06	3	2.1	4.9
			1.4	2.9
	12	3	2.1	5.1
			1.5	3.0
	18	3	2.1	4.9
			1.4	3.0
08	00	3	2.1	4.9
			1.4	3.0
	06	3	2.1	4.8
			1.4	2.9
	12	3	2.2	4.9
			1.4	3.0
	18	3	2.1	5.1
			1.4	3.0
09	00	3	2.1	4.9
			1.4	3.0
	06	3	2.1	4.8
			1.5	2.9
	12	3	2.3	4.9
			1.4	2.9
	18	3	2.1	4.8
			1.4	2.9
10	00	3	2.1	4.9
			1.4	2.9
	06	3	1.4	3.8
			0.9	2.1
	12	3	1.9	3.8
			0.9	2.0
	18	3	1.9	3.9
			0.9	1.9
11	00	3	1.9	4.0
			0.9	2.1
	06	3	1.7	3.9
			0.9	1.9
	12	3	1.7	3.8
			1.0	2.0
	18	(Record Lost)		
12	00	3	1.7	3.8
			1.0	2.0
	06	3	1.7	3.9
			0.9	1.9
	12	3	1.9	3.9
			0.9	2.0
	18	3	1.7	3.9
			1.0	2.0
13	00	3	1.7	3.9
			0.9	2.0
	06	3	1.7	4.1
			0.9	2.0
	12	3	1.6	3.8
			0.9	2.0
	18	3	1.7	3.9
			0.9	2.0
14	00	3	1.7	3.9
			0.9	1.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
STATION : BOMABY				
14	06	3	1.9	3.9
Contd.			1.0	2.0
	12	3	1.7	3.9
			0.9	2.0
	18	3	1.8	3.9
			0.9	2.1
15	00	3	1.9	4.0
			0.9	1.9
	06	3	1.7	3.9
			0.9	2.0
	12	3	1.8	3.9
			0.9	1.9
	18	3	1.8	3.8
			0.9	2.0
16	00	3	1.7	3.6
			0.9	2.0
	06	3	1.7	3.5
			0.9	2.0
	12	3	1.7	3.5
			0.9	2.0
	18	3	1.5	3.5
			0.9	1.9
17	00	3	1.7	3.6
			0.9	1.9
	06	3	1.5	3.7
			0.9	1.9
	12	3	1.7	3.6
			0.9	2.0
	18	3	1.6	3.7
			0.9	1.9
18	00	3	1.7	3.7
			0.9	1.9
	06	3	1.6	3.5
			0.9	1.9
	12	3	1.8	3.8
			0.9	1.9
	18	3	1.6	3.6
			0.9	2.0
19	00	3	1.7	3.7
			1.0	2.0
	06	3	1.7	3.6
			0.9	1.9
	12	3	1.7	3.6
			0.9	1.9
	18	3	1.7	3.6
			0.9	2.0
20	00	3	1.7	3.5
			0.9	1.9
	06	3	1.5	3.6
			0.9	2.1
	12	3	1.5	3.7
			0.9	2.0
	18	3	1.7	3.9
			0.9	2.0

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : BOMBAY				
21	00	3	1.6	3.8
			0.9	2.0
	06	3	1.7	3.7
			0.9	1.9
	12	3	1.7	3.7
			0.9	2.0
	18	3	1.6	3.8
			0.8	1.8
22	00	3	1.8	3.9
			0.9	1.9
	06	3	1.5	3.8
			0.9	1.8
	12	3	1.6	3.8
			0.9	1.9
	18	3	1.6	3.7
			0.8	1.8
23	00	3	1.7	3.7
			0.8	1.9
	06	3	1.6	3.8
			0.9	1.8
	12	3	1.6	3.8
			0.8	1.9
	18	3	1.6	3.7
			0.8	1.8
24	00	3	1.6	3.8
			0.9	1.9
	06	3	1.7	3.7
			0.8	1.9
	12	3	1.6	3.8
			0.8	1.9
	18	3	1.5	3.8
			0.8	1.8
25	00	3	1.7	3.8
			0.8	1.9
	06	3	1.7	3.7
			0.9	1.9
	12	3	1.8	3.7
			0.9	1.9
	18	3	1.7	3.7
			0.9	1.9
26	00	3	1.7	3.6
			0.9	2.0
	06	3	1.7	3.6
			0.9	1.9
	12	3	1.6	3.5
			0.9	1.9
	18	3	1.7	3.6
			0.9	1.9
27	00	3	1.7	3.6
			0.9	2.0
	06	3	1.6	3.6
			0.9	1.9
	12	3	1.6	3.3
			0.9	1.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Bombay..contd....				
27	18	3	1.6	3.4
Contd.			0.9	1.9
28	00	3	1.5	3.4
			0.9	2.0
	06	3	1.5	3.5
			0.9	1.9
	12	3	1.5	3.4
			0.9	1.9
	18	3	1.6	3.3
			0.9	2.0
29	00	3	1.6	3.5
			0.9	1.9
	06	3	1.3	3.6
			0.7	1.9
	12	3	1.3	3.8
			0.9	1.9
	18	3	1.4	3.7
			0.8	1.8
30	00	3	1.3	3.5
			0.8	1.8
	06	3	1.3	3.7
			0.9	1.9
	12	3	1.2	3.5
			0.9	1.8
	18	3	1.2	3.1
			0.8	1.8
31	00	3	1.1	3.1
			0.8	1.7
	06	3	1.3	3.3
			0.7	1.8
	12	3	1.1	3.2
			0.7	1.7
	18	3	1.2	3.4
			0.6	1.6
STATION :		BOKARO		
01	00	3	1.2	4.7
	06	3	1.6	5.1
	12	3	1.5	4.9
	18	3	1.2	5.2
02	00	3	1.1	5.0
	06	3	1.2	4.9
	12	3	1.1	4.9
	18	3	1.0	4.8
03	00	3	1.0	5.0
	06	3	0.9	4.7
	12	3	1.0	5.0
	18	3	1.0	5.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Bokaro Contd....				
04	00	3	1.0	5.0
	06	3	0.8	5.4
	12	3	0.8	5.1
	18	3	1.0	5.2
05	00	3	0.9	5.4
	06	3	1.0	5.2
	12	3	1.0	5.2
	18	3	0.9	5.4
06	00	3	0.7	5.4
	06	3	0.7	5.2
	12	3	0.7	5.2
	18	3	0.7	5.2
07	00	3	0.7	5.0
	06	3	0.6	4.8
	12	3	0.7	5.1
	18	3	0.6	5.0
08	00	3	0.5	5.3
	06	3	0.7	5.3
	12	3	0.7	4.8
	18	3	0.5	5.2
09	00	3	0.6	5.2
	06	3	0.5	4.8
	12	3	0.5	4.1
	18	3	0.4	4.9
10	00	3	0.7	4.8
	06	3	0.5	4.6
	12	3	0.3	4.5
	18	3	0.3	4.8
11	00	3	0.3	4.6
	06	3	0.3	4.5
	12	3	0.5	4.5
	18	3	0.4	4.5
12	00	3	0.5	5.0
	06	3	0.4	4.6
	12	3	0.4	4.7
	18	3	0.4	4.9
13	00	3	0.5	5.0
	06	3	0.4	4.8
	12	3	0.4	4.8
	18	...	--	-
14	00	...	-	-
	06	3	0.4	4.6
	12	3	0.4	4.7
	18	3	0.3	5.0
15	00	3	0.4	4.8
	06	3	0.4	5.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : BOKARO				
15	12	3	0.4	4.4
Contd	18	3	0.3	4.8
16	00	3	0.3	4.9
	06	3	0.4	4.4
	12	3	0.5	4.3
	18	3	0.4	4.6
17	00	3	0.4	4.6
	06	3	0.5	4.3
	12	3	0.5	4.1
	18	3	0.5	4.3
18	00	3	0.5	4.5
	06	3	0.5	3.7
	12	3	0.5	4.2
	18	3	0.6	4.9
19	00	3	0.5	4.6
	06	3	0.5	4.1
	12	3	0.5	4.5
	18	3	0.5	4.6
20	00	3	0.5	4.8
	06	3	0.7	4.8
	12	3	0.5	5.0
	18	3	0.4	5.4
21	00	3	0.5	4.5
	06	3	0.4	4.8
	12	3	0.5	4.9
	18	3	0.5	4.3
22	00	3	0.5	4.7
	06	3	0.5	4.6
	12	3	0.5	4.6
	18	3	0.5	4.8
23	00	3	0.5	4.8
	06	3	0.6	4.7
	12	3	0.5	4.6
	18	3	0.5	4.7
24	00	3	0.5	5.0
	06	3	0.5	5.0
	12	3	0.6	4.9
	18	3	0.5	4.8
25	00	3	0.4	4.9
	06	3	0.5	4.9
	12	3	0.5	5.3
	18	3	0.4	5.1
26	00	3	0.4	4.8
	06	3	0.4	4.8
	12	3	0.4	4.8
	18	3	0.5	4.8
27	00	3	0.4	4.8
	06	3	0.4	5.2
	12	3	0.5	5.1
	18	3	0.5	5.2
28	00	3	0.4	4.9
	06	3	0.4	5.0
	12	3	0.4	4.7
	18	3	0.3	4.6
29	00	3	0.5	4.2
	06	3	0.4	4.4
	12	3	0.5	4.4
	18	3	0.4	4.4
30	00	3	0.5	4.4
	06	...	-	-
	12	...	-	-
	18	3	0.4	4.1

(See Page No.27)

DATE	HOUSE GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : CALCUTTA				
01	00	....		
	06	....		
	12	....		
	18	....		
02	00	....		
	06	....		
	12	....		
	18	....		
03	00	....		
	06	....		
	12	3	3.0	2.2
	18	3	3.0	2.0
04	00	3	3.0	2.2
	06	3	3.2	2.4
	12	3	2.8	1.8
	18	3	2.4	1.0
05	00	3	2.6	1.0
	06	3	3.0	2.2
	12	3	3.0	1.8
	18	3	2.8	1.2
06	00	3	2.8	1.0
	06	3	3.0	1.8
	12	3	3.0	1.6
	18	3	3.0	1.6
07	00	3	3.0	1.5
	06	3	2.4	2.0
	12	3	3.0	1.5
	18	3	3.4	1.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Peridd in sec.
Station : CALCUTTA				
08	00	3	32.	1.0
	06	3	3.0	1.0
	12	3	3.0	0.8
	18	3	2.8	0.5
09	00	3	3.0	0.5
	06	3	2.4	0.4
	12	3	2.4	0.3
	18	3	2.4	0.3
10	00	3	2.2	0.3
	06	3	2.6	0.8
	12	3	2.8	0.6
	18	3	2.4	0.4
11	00	3	2.4	0.4
	06	3	3.8	1.2
	12	3	3.8	1.3
	18	3	3.6	1.0
12	00	3	4.0	0.6
	06	3	3.8	0.5
	12	3	3.8	1.2
	18	3	4.0	1.1
13	00	3	4.0	1.0
	06	3	3.6	1.1
	12	3	4.0	1.2
	18	3	4.0	1.2
14	00	3	3.4	0.8
	06	3	3.2	0.8
	12	3	3.0	0.7
	18	3	2.8	0.6
15	00	3	3.0	0.5
	06	3	3.2	0.8
	12	3	3.0	0.6
	18	3	2.8	0.5
16	00	3	3.0	0.8
	06	3	3.0	0.5
	12	3	3.2	0.8
	18	3	3.0	0.8
17	00	3	3.0	0.5
	06	3	2.8	0.6
	12	3	2.6	0.5
	18	3	2.8	0.5
18	00	3	3.0	0.6
	06	....		
	12	....		
	18	3	2.2	0.5
19	00	3	3.8	1.2
	06	....		
	12	3	4.0	1.5
	18	3	3.8	1.6
Station : CALCUTTA				
20	00	3	4.0	1.4
	06	....		
	12	3	4.2	1.0
	18	3	4.0	0.8
21	00	3	4.0	1.1
	06	3	4.0	1.1
	12	3	3.8	0.8
	18	3	3.8	0.8
22	00	3	3.6	0.8
	06	3	3.6	1.0
	12	3	3.4	0.8
	18	3	3.8	0.8
23	00	3	4.0	1.0
	06	3	4.0	1.1
	12	3	4.0	1.1
	18	3	4.2	1.3
26	00	3	4.0	1.2
	06	3	4.0	1.0
	12	....		
	18	....		
25	00	....		
	06	3	4.0	1.1
	12	3	4.2	1.2
	18	3	3.8	1.0
26	00	3	4.0	1.1
	06	3	4.2	1.0
	12	3	4.0	0.8
	18	3	4.0	0.7
27	00	3	4.0	0.5
	06	3	4.2	0.7
	12	3	4.0	0.5
	18	3	4.0	0.6
28	00	3	4.0	0.5
	06	3	3.8	0.5
	12	3	3.8	0.6
	18	3	4.0	0.6
29	00	3	4.0	1.0
	06	3	4.0	1.0
	12	3	3.8	1.1
	18	3	4.0	1.2
30	00	3	4.2	1.2
	06	3	4.0	0.9
	12	3	4.0	1.1
	18	3	4.0	1.2
31	00	3	4.2	1.1
	06	3	4.2	1.2
	12	3	4.0	1.2
	18	3	4.0	1.1

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : GOA				
01	00	3	2.5	5.0
	06	3	2.7	5.5
	12	3	3.0	5.0
	18	3	2.2	5.1
02	00	...		
	06	...		
	12	...		
	18	...		
03	00	...		
	06	...		
	12	3	2.0	5.1
	18	3	2.1	5.2
04	00	3	1.6	5.1
	06	3	2.2	5.5
	12	3	2.3	5.0
	18	3	2.2	5.3
05	00	3	2.3	5.7
	06	3	2.3	5.4
	12	3	2.4	5.4
	18	3	2.2	5.3
06	00	3	2.0	5.0
	06	3	2.0	5.3
	12	3	2.3	5.5
	18	3	2.2	5.3
07	00	3	1.8	5.4
	06	3	1.9	5.0
	12	...		
	18	...		
08	00	3	1.8	5.3
	06	3	1.8	4.5
	12	3	1.9	4.8
	18	3	1.4	5.0
09	00	3	1.6	4.5
	06	3	1.3	4.0
	12	3	1.5	3.8
	18	3	1.4	3.9
10	00	3	1.2	3.5
	06	3	1.1	4.0
	12	3	1.3	3.4
	18	3	1.1	3.7
11	00	3	1.2	3.8
	06	3	0.9	3.5
	12	...		
	18	3	1.0	3.3
12	00	3	1.1	3.2
	06	3	1.1	3.1
	12	3	1.3	3.4
	18	3	1.2	3.5

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station: GOA				Comp. N-S
13	00	3	1.1	2.9
	06	3	1.2	3.9
	12	3	1.2	3.5
	18	3	1.3	3.7
14	00	3	1.1	3.6
	06	...		
	12	3	0.7	3.2
	18	3	1.0	3.5
15	00	3	0.7	3.6
	06	3	0.9	3.6
	12	3	1.0	3.6
	18	3	0.8	2.8
16	00	3	0.8	2.8
	06	3	0.8	2.9
	12	3	1.0	2.8
	18	3	1.1	2.8
17	00	3	1.0	2.6
	06	3	1.0	2.8
	12	...		
	18	3	1.0	2.9
18	00	3	1.1	2.7
	06	...		
	12	3	1.1	2.6
	18	3	1.4	2.6
19	00	3	1.2	2.4
	06	3	1.1	2.3
	12	...		
	18	3	1.0	2.3
20	00	3	1.1	2.3
	06	3	1.0	2.3
	12	3	1.1	2.5
	18	3	1.2	2.5
21	00	3	1.1	2.5
	06	...		
	12	3	0.8	2.4
	18	3	0.8	2.3
22	00	3	1.0	2.7
	06	3	0.8	2.5
	12	3	0.8	2.5
	18	3	0.9	2.2
23	00	3	0.8	2.5
	06	3	0.7	2.4
	12	3	0.9	2.4
	18	3	0.8	2.3
24	00	3	0.9	2.5
	06	3	0.7	2.4
	12	3	0.7	2.3
	18	3	0.7	2.2

DATE	HOUR GMT	K.	MEAN Amplitude in mm	MEAN Period in sec.
Station : GOA (COMPONENT N-S)				
25	00	3	0.7	1.9
	06	...		
	12	3	0.5	2.1
	18	3	0.6	2.1
26	00	3	0.5	2.2
	06	3	0.6	2.1
	12	3	0.6	2.2
	18	3	0.7	2.1
27	00	3	0.7	2.4
	06	3	0.5	2.2
	12	3	0.5	2.2
	18	3	0.5	2.1
28	00	3	0.5	2.2
	06	3	0.5	2.3
	12	3	0.7	2.2
	18	3	0.6	2.2
29	00	3	0.6	2.2
	06	3	0.7	2.6
	12	3	0.7	2.5
	18	3	0.9	2.5
30	00	3	0.8	2.6
	06	3	0.7	2.7
	12	3	0.7	2.5
	18	3	0.8	2.6
31	00	3	0.6	2.3
	06	3	0.7	2.9
	12	3	0.5	2.2
	18	3	0.6	2.6
Station : MADRAS				
01	00	1	2.1	5.5
	03	1	1.9	5.6
	06	1	1.8	5.5
	12	1	1.5	5.4
	18	1	1.7	5.4
02	00	1	1.6	5.3
	03	1	1.4	5.2
	06	1	1.5	5.2
	12	1	1.5	5.1
	18	1	1.5	5.0
03	00	1	1.5	5.1
	03	1	1.5	5.1
	06	1	1.6	5.1
	12	1	1.7	5.1
	18	1	1.7	5.1
04	00	1	1.7	5.4
	03	1	1.8	5.3
	06	1	1.9	5.3
	12	1	1.7	5.1
	18	1	1.8	5.4

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : MADRAS				
05	00	1	1.6	5.1
	03	1	1.9	5.5
	06	1	1.6	5.5
	12	1	1.4	5.4
	18	1	1.4	5.4
06	00	1	1.4	5.4
	03	1	1.2	5.6
	06	1	1.2	5.3
	12	1	1.1	5.5
	18	1	1.2	5.5
07	00	1	1.2	5.5
	03	1	1.1	5.5
		2	0.1	2.7
	06	1	1.1	5.3
		2	0.2	2.8
	12	1	1.1	5.2
		2	0.2	2.9
	18	1	1.0	5.3
08	00	1	1.0	5.6
	03	1	1.0	5.4
	06	1	1.0	5.1
	12	1	1.0	5.3
	18	1	1.0	5.4
09	00	1	0.9	5.4
	03	2	0.9	5.1
	06	2	0.9	5.1
	12	2	0.9	5.3
	18	2	0.8	5.2
10	00	2	0.8	5.0
	03	2	0.8	5.1
	06	2	0.7	5.0
	12	2	0.7	5.0
	18	2	0.7	5.0
11	00	2	0.7	4.9
	03	2	0.7	4.9
	06	2	0.7	4.7
	12	2	0.7	4.8
	18	2	0.7	4.7
12	00	2	0.7	4.7
	03	2	0.7	4.8
	06	2	0.7	4.9
	12	...	No record	
	18	2	0.7	4.7
13	00	2	0.7	4.7
	03	2	0.7	4.8
	06	2	0.7	4.8
	12	2	0.7	4.8
	18	2	0.7	4.8
14	00	2	0.7	4.9
	03	2	0.7	4.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : MADRAS				
14	06	2	0.7	4.9
Contd	12	2	0.7	4.9
	18	2	0.7	4.9
15	00	2	0.7	4.9
	03	2	0.7	4.9
	06	2	0.7	4.9
	12	2	0.7	4.9
	18	2	0.7	4.9
16	00	2	0.7	4.9
	03	2	0.7	5.0
		2	0.2	2.4
	06	2	0.2	2.5
	12	2	0.3	2.5
	18	2	0.3	2.5
17	00	2	0.3	2.7
	03	2	0.4	3.5
	06	2	0.4	3.5
	12	2	0.4	3.6
	18	2	0.5	3.6
18	00	2	0.5	3.7
	03	2	0.7	4.0
	06	...	No record	
	12	2	0.7	3.9
	18	2	0.7	4.1
19	00	2	0.7	4.2
	03	2	0.8	4.3
	06	2	0.7	4.2
	12	2	0.7	4.3
	18	2	0.9	4.3
20	00	2	0.7	4.4
	03	2	0.7	4.3
	06	2	0.7	4.4
	12	2	0.7	4.4
	18	2	0.7	4.3
21	00	2	0.7	4.5
	03	2	0.7	4.5
	06	2	0.7	4.5
	12	2	0.7	4.6
	18	2	0.7	4.6
22	00	2	0.7	4.5
	03	2	0.7	4.7
	06	2	0.7	4.6
	12	2	0.8	4.7
	18	2	0.9	4.9
23	00	2	1.0	5.0
	03	2	0.9	4.9
	06	2	1.1	5.0
	12	2	0.9	4.9
	18	2	0.9	5.0
24	00	2	0.7	5.0
	03	2	0.7	4.9
	06	2	0.8	4.9
	12	2	0.8	4.8
	18	2	0.8	4.9
25	00	2	0.8	5.0
	03	2	0.9	5.0
	06	...	No record.	
	12	2	0.9	5.1
	18	2	0.8	5.1
26	00	2	0.8	5.1
	03	2	0.7	5.0
	06	2	0.7	5.0
	12	2	0.7	5.0
	18	2	0.7	5.1
27	00	2	0.7	5.0
	03	2	0.7	5.0
	06	2	0.7	5.0
	12	2	0.7	5.0
	18	2	0.7	5.0
28	00	2	0.5	2.6
	03	2	0.6	2.9
	06	2	0.6	2.9
	12	2	0.7	3.0
	18	2	0.7	3.0
29	00	1	0.8	3.1
	03	1	0.8	3.1
	06	1	0.8	3.2
	12	1	0.9	3.3
	18	1	1.1	4.0
30	00	1	1.1	4.0
	03	1	0.9	3.9
	06	1	0.9	4.0
	12	1	1.0	3.7
	18	2	0.8	4.0
31	00	2	0.8	4.0
	03	2	0.7	3.8
	06	2	0.7	3.6
	12	2	0.7	3.8
	18	2	0.7	4.0
Station : PORT BLAIR				
01	00	3	2.0	4.0
			2.0	3.0
	06	3	2.8	5.0
			2.0	3.0
	12	3	2.0	3.0
			3.2	5.0
	18	3	2.0	3.0
			3.2	5.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : PORT BLAIR				
02	00	3	2.0	3.0
			3.2	5.0
	06	3	1.6	3.0
			2.8	5.0
	12	3	1.6	3.0
			2.8	5.0
	18	3	1.6	3.0
			2.8	5.0
03	00	3	1.6	2.0
			2.8	5.0
	06	3	1.6	2.0
			2.8	5.0
	12	...	-	-
	18	3	1.6	2.0
			2.8	5.0
04	00	3	1.6	2.0
			2.4	5.0
	06	3	1.6	2.0
			2.0	5.0
	12	3	1.6	2.0
			1.6	5.0
	18	3	1.6	2.0
			1.6	5.0
05	00	3	2.0	3.0
			2.0	5.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	2.0
			2.0	3.0
06	00	3	2.0	2.0
			2.0	3.0
	06	3	1.6	2.0
			1.6	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
07	00	3	2.0	3.0
	06	3	1.6	3.0
			0.8	7.0
	12	3	1.6	3.0
	18	3	1.6	3.0
			1.2	7.0
08	00	3	1.6	3.0
			0.8	7.0
	06	3	1.2	3.0
			0.8	7.0
	12	3	1.6	3.0
			0.8	7.0
	18	3	2.0	3.0
			0.8	7.0
Station : PORT BLAIR				
09	00	3	2.0	3.0
			0.8	7.0
	06	3	1.6	3.0
			0.8	7.0
	12	3	1.6	3.0
	18	3	1.6	3.0
			0.8	7.0
10	00	3	1.6	3.0
			0.8	7.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
11	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0
12	00	3	2.0	3.0
	06	3	1.2	3.0
	12	3	1.2	2.0
	18	3	2.0	3.0
13	00	3	2.0	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
14	00	3	1.6	3.0
	06	3	1.6	2.0
	12	3	1.6	2.0
	18	3	1.6	2.0
15	00	3	1.6	2.0
	06	3	1.2	2.0
	12	3	1.2	2.0
	18	3	1.2	3.0
16	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	2.0	2.0
			2.4	3.0
	18	3	2.0	2.0
			2.4	3.0
17	00	3	2.4	3.0
			2.0	7.0
	06	3	2.0	3.0
			2.0	7.0
	12	3	1.6	3.0
			3.2	7.0
	18	3	2.0	3.0
			2.8	7.0
18	00	3	2.0	3.0
			2.4	7.0

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
18	06	3	2.0	3.0
Contd.			2.4	7.0
	12	3	2.0	3.0
			2.0	7.0
	18	3	2.0	3.0
			2.0	7.0
19	00	3	2.0	3.0
	06	3	1.6	2.0
			2.0	3.0
	12	3	2.8	3.0
			1.2	7.0
	18	3	1.6	2.0
			2.4	3.0
	00	3	1.6	2.0
20		3	2.0	3.0
	06	...	-	-
	12	3	1.6	2.0
			2.4	3.0
	18	3	1.6	2.0
			2.4	3.0
21	00	3	1.6	2.0
			2.4	3.0
	06	3	1.6	2.0
			2.0	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
22	00	3	2.0	3.0
			1.2	2.0
	06	3	1.2	3.0
			1.6	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
23	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	3.0
			0.8	7.0
	12	3	2.0	3.0
			0.8	7.0
	18	3	2.0	3.0
			0.8	7.0
24	00	3	2.0	3.0
			0.8	7.0
	06	3	2.0	3.0
			0.8	7.0
	12	3	2.0	3.0
	18	3	2.0	3.0
25	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0
			1.2	7.0
26	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	2.0
			1.6	7.0
	12	3	2.0	2.0
			1.6	7.0
	18	3	2.0	3.0
			1.6	7.0
27	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	3.0
			1.2	7.0
	12	3	2.4	3.0
	18	3	1.6	2.0
			2.4	3.0
28	00	3	2.0	2.0
			2.8	3.0
	06	3	1.6	2.0
			2.0	3.0
	12	3	1.2	2.0
			2.0	3.0
	18	3	1.2	2.0
			2.8	3.0
29	00	3	1.2	2.0
			2.8	3.0
	06	3	1.2	2.0
			2.4	3.0
	12	3	1.2	2.0
			2.4	3.0
	18	3	1.6	2.0
			2.4	3.0
30	00	3	1.6	2.0
			2.8	3.0
	06	3	1.6	2.0
			2.4	3.0
	12	3	1.6	2.0
			2.4	3.0
	18	3	2.0	2.0
			2.8	3.0
31	00	3	2.0	2.0
			2.8	3.0
	06	3	2.0	2.0
			2.8	3.0
	12	3	1.2	2.0
			2.0	3.0
	18	3	2.0	2.0
			2.0	3.0
Station : SHILLONG				
01	00	2	1.0	4.7
	06	2	0.6	4.2

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
01	12	2	0.6	4.8
Contd.		2	0.6	4.8
02	00	2	0.6	5.0
	06	2	0.4	4.8
	12	2	0.4	4.4
	18	2	0.5	4.4
03	00	2	0.5	4.2
	06	2	0.4	4.4
	12	2	0.3	4.4
	18	2	0.4	4.8
04	00	2	0.5	4.6
	06	3	0.3	4.2
	12	3	0.3	4.2
	18	3	0.3	4.0
05	00	3	0.3	4.2
	06	1	...	...
	12	3	0.3	4.4
	18	3	0.3	4.4
06	00	3	0.3	3.8
	06	3	0.3	4.4
	12	3	0.3	3.8
	18	3	0.3	4.0
07	00	3	0.2	3.0
	06	3	0.3	3.8
	12	3	0.4	4.0
	18	3	0.4	4.0
08	00	3	0.3	3.5
	06	3	0.2	3.5
	12	3	0.3	3.5
	18	3	0.4	3.6
09	00	3	0.4	4.2
	06	3	0.4	5.0
	12	3	0.4	4.6
	18	3	0.3	4.5
10	00	3	0.5	4.8
	06	2	0.4	4.7
	12	2	0.5	5.2
	18	2	0.4	4.8
11	00	2	0.4	4.4
	06	2	0.4	5.0
	12	-	-	-
	18	2	0.3	4.5
12	00	2	0.4	4.6
	06	3	0.3	5.0
	12	3	0.3	4.0
	18	3	0.5	4.5

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
13	00	3	0.3	4.2
	06	3	0.4	4.5
	12	3	0.3	5.0
	18	3	0.3	5.0
14	00	3	0.4	4.4
	06	3	0.4	4.5
	12	3	0.3	5.0
	18	3	0.3	5.0
15	00	3	0.2	5.5
	06	...	...	...
	12	3	0.7	5.8
	18	3	0.6	5.5
16	00	3	0.5	5.0
	06	3	0.4	4.8
	12	3	0.4	4.5
	18	3	0.3	5.5
17	00	3	0.3	5.1
	06	3	0.2	4.8
	12	3	0.3	5.0
	18	3	0.3	4.8
18	00	3	0.5	4.5
	06	3	0.5	5.0
	12	3	0.5	4.0
	18	3	0.4	4.0
19	00	3	0.5	5.2
	06	3	0.4	5.5
	12	3	0.4	4.2
	18	...	...	...
20	00	3	0.5	4.6
	06	3	0.3	4.2
	12	3	0.5	4.3
	18	3	0.5	4.0
21	00	3	0.4	4.2
	06	3	0.4	4.1
	12	3	0.3	4.5
	18	3	0.5	3.9
22	00	3	0.4	4.0
	06	00	00	0.0
	12	3	0.3	3.5
	18	0	0.0	0.0
23	00	0.0	0.0	0.0
	06	3	0.4	3.0
	12	3	0.4	3.5
	18	3	0.5	3.0
24	00	3	0.5	4.0
	06	3	0.4	4.2
	12	00	0.0	0.0
	18	00	0.0	0.0

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
25	00	3	0.3	4.5
	06	3	0.3	4.0
	12	3	0.4	5.0
	18	3	0.4	4.5
26	00	3	0.3	4.0
	06	3	0.5	3.0
	12	3	0.5	3.5
	18	3	0.3	4.5
27	00	...	...	...
	06	3	0.6	3.5
	12	3	0.5	5.0
	18	3	0.6	4.0
28	00	3	0.4	3.5
	06	3	0.5	4.0
	12	3	0.4	3.0
	18	3	0.4	3.5
29	00	...	...	...
	06	3	0.5	4.0
	12	3	0.4	3.5
	18	3	0.3	3.5
30	00	3	0.3	3.5
	06	...	...	...
	12	...	...	...
	18	3	0.5	4.6
31	00	3	0.4	4.5
	06	3	0.5	4.5
	12	3	0.3	5.0
	18	3	0.4	5.0
Station : TRIVANDRUM				
01	00	2	3.50	5.5
	06	2	4.10	5.4
	12	2	3.10	5.3
	18	2	3.25	5.4
02	00	2	3.00	5.5
	06	Power Failure		
	12	2	3.40	5.4
	18	2	3.45	5.3
03	00	2	3.60	5.0
	06	2	3.50	5.2
	12	2	3.75	5.2
	18	2	3.55	5.1
04	00	2	4.65	5.3
	06	2	5.10	5.2
	12	2	4.55	5.2
	18	2	3.95	5.4
05	00	2	4.40	5.3
	06	2	3.30	5.3
05 Contd.	12	2	2.95	5.3
	18	2	2.55	5.3
06	00	2	2.80	5.5
	06	Power failure		
	12	Power failure		
	18	2	2.70	5.3
07	00	2	3.05	5.6
	06	...	...	...
	12	2	2.35	5.1
	18	2	1.95	5.1
08	00	2	2.30	5.3
	06	2	1.95	5.2
	12	2	2.25	5.3
	18	2	2.15	5.3
09	00	2	1.70	5.4
	06	2	2.30	5.2
	12	2	1.90	5.3
	18	2	1.80	5.0
10	00	2	1.70	5.1
	06	2	1.70	5.1
	12	2	1.45	5.0
	18	2	1.45	4.8
11	00	2	2.05	5.0
	06	2	1.85	5.1
	12	2	1.90	5.1
	18	2	1.55	5.0
12	00	Power failure		
	06	Power failure		
	12	2	1.55	4.8
	18	2	1.80	4.9
13	00	2	1.75	4.9
	06	2	1.95	5.0
	12	2	2.20	5.2
	18	2	2.00	5.0
14	00	2	2.15	5.0
	06		...	...
	12		...	...
	18	2	1.95	5.2
15	00	2	2.05	5.0
	06	2	1.95	5.2
	12	2	2.20	5.0
	18	2	1.85	4.9
16	00	2	1.90	5.1
	06	2	1.85	4.7
	12		...	...
	18	2	1.30	4.7
17	00	2	1.20	4.8
	06	2	1.50	4.6

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec.
Station : TRIVANDRUM				
17	12	2	1.25	4.5
Cond.	18	2	1.25	4.5
18	00	2	1.15	4.5
	06	...	...	...
	12	2	1.10	4.3
	18	2	1.25	4.5
19	00	2	1.30	4.3
	06	2	1.35	4.2
	12	2	1.60	4.7
	18	2	1.65	4.5
20	00	2	1.35	4.7
	06	2	1.55	4.8
	12	2	1.50	4.7
	18	2	1.55	4.7
21	00	2	1.70	4.7
	06	2	2.00	4.7
	12	2	1.85	4.9
	18	2	1.60	4.7
22	00	2	1.65	4.9
	06	2	2.05	5.0
	12	2	2.55	4.9
	18	2	2.55	5.1
23	00	2	3.00	5.0
	06	2	...	...
	12	2	2.70	4.9
	18	2	2.25	5.0
24	00	2	1.70	4.7
	06	2	2.20	5.2
	12	2	1.60	5.3
	18	2	2.00	5.3
25	00	2	1.90	5.2
	06	2	1.75	5.2
	12	2	1.65	5.0
	18	2	2.05	5.1
26	00	2	2.10	5.0
	06	2	1.70	5.0
	12	2	1.60	4.9
	18	2	1.50	5.0
27	00	2	1.35	5.1
	06	2	1.55	5.2
	12	2	1.35	5.0
	18	2	1.55	5.0
28	00	2	1.40	5.0
	06	2	1.40	5.2
	12	2	1.40	5.1
	18	2	1.10	5.0
29	00	2	1.00	4.8
	06	2	1.25	5.0
	12	2	1.05	5.0
	18	2	1.30	5.0
30	00	2	1.20	4.3
	06	2	...	...
	12	2	1.05	4.7
	18	2	1.50	4.8
31	00	2	1.40	4.8
	06	...	...	...
	12	2	1.55	4.6
	18	2	1.30	4.6
Station : VISAKHAPATNAM				
01	00	1	1.5	5.1
	06	1	1.6	4.4
	12	1	1.8	4.8
	18	1	1.6	4.9
02	00	1	1.6	4.8
	06	1	1.5	4.8
	12	1	1.4	4.9
	18	1	1.1	4.7
03	00	1	1.5	4.7
	06	1	1.3	4.3
	12	1	1.0	4.9
	18	1	1.0	4.6
04	00	1	1.1	4.9
	06	1	1.2	4.7
	12	1	1.2	4.9
	18	1	1.0	5.2
05	00	1	1.0	4.9
	06	3	0.9	4.7
	12	3	1.0	5.1
	18	3	1.2	5.0
06	00	3	0.9	5.3
	06	3	0.9	3.8
	12	3	0.8	5.5
	18	3	1.0	4.6
07	00	3	0.9	5.5
	06	3	0.8	5.2
	12	3	1.0	5.2
	18	3	0.7	4.6
08	00	2	0.7	4.9
	06	2	0.8	4.9
	12	2	0.8	5.3
	18	2	0.6	4.6

Station : VISAKHAPATNAM.

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
09	00	2	0.6	4.6
	06	2	0.9	4.7
	12	2	0.7	5.1
	18	2	0.7	4.5
10	00	2	0.5	4.6
	06	2	0.5	4.8
	12	2	0.4	4.1
	18	2	0.4	4.6
11	00	2	0.5	4.7
	06	2	0.5	2.9
	12	2	0.5	3.5
	18	2	0.4	3.9
12	00	2	0.5	3.9
	06	2	0.5	3.6
	12	2	0.6	3.9
	18	2	0.5	4.3
13	00	2	0.5	4.5
	06	2	0.4	3.6
	12	2	0.5	4.0
	18	2	0.5	4.3
14	00	2	0.5	4.0
	06	2	0.7	4.9
	12	2	0.5	4.2
	18	2	0.6	4.4
15	00	2	0.5	4.8
	06	2	0.7	4.8
	12	2	0.6	4.4
	18	2	0.5	4.5
16	00	2	0.6	4.6
	06	3	0.4	3.9
	12	3	0.4	3.5
	18	3	0.4	3.6
17	00	3	0.5	4.3
	06	1	0.7	3.9
	12	1	0.7	4.0
	18	1	0.8	3.8
18	00	1	0.7	3.5
	06	1	0.9	4.1
	12	1	0.6	4.3
	18	1	0.5	4.4
19	00	1	0.4	4.1
	06	1	0.6	3.9
	12	1	0.8	3.9
	18	1	0.5	4.1
20	00	1	0.5	3.9
	06	1	0.7	4.3

Station : VISAKHAPATNAM.

DATE	HOUR GMT	K	MEAN Amplitude in mm.	MEAN Period in sec.
20 Contd.	12	1	0.5	3.8
	18	1	0.5	4.1
21	00	1	0.5	4.7
	06	2	0.7	4.5
	12	2	0.6	4.7
	18	2	0.6	4.4
22	00	2	0.5	4.5
	06	2	0.6	4.3
	12	2	0.5	4.1
	18	2	0.5	4.2
23	00	2	0.6	4.6
	06	2	0.5	3.9
	12	2	0.6	4.9
	18	2	0.4	4.5
24	00	2	0.5	4.9
	06	2	0.5	4.7
	12	2	0.6	4.9
	18	2	0.5	4.2
25	00	2	0.5	4.6
	06	2	0.5	4.1
	12	2	0.6	4.5
	18	2	0.5	4.6
26	00	2	0.5	4.1
	06	2	0.6	5.6
	12	2	0.5	4.3
	18	2	0.5	4.8
27	00	2	0.5	4.6
	06	3	0.5	5.1
	12	3	0.5	4.7
	18	3	0.4	4.1
28	00	3	0.6	4.5
	06	3	0.5	3.9
	12	3	0.4	3.3
	18	3	0.4	3.7
29	00	3	0.4	3.3
	06	3	0.6	3.7
	12	1	0.5	3.8
	18	1	0.8	4.3
30	00	2	0.4	3.3
	06	Earthquake in progress		
	12	2	0.6	3.9
	18	2	0.7	4.2
31	00	2	0.4	3.5
	06	2	0.6	4.0
	12	2	0.5	3.8
	18	2	0.5	3.6

Printed in December 1968.

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES

REGD. No. RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra BHK	31.25	76.25										
					Electromagnetic (H)	Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
Bokaro BOK	23.47	85.53		Rock	Press-Ewing	E	1.02	1.15	5600	1	1	20
						Z	15	100	-	-	1	15
						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
Bombay BOM	18.54	72.49		Deccan Trap	Milne Shaw	E	0.8		950	1		30
						N	12		250	0.7		8
						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1 1	60
Calcutta CAL	22.32	88.20	7 Milne-Shaw 6 Omori-Ewing	Alluvium	Milne-Shaw	E	12		250	0.7		8
					Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
Chetra CHA	26.50	87.10	161	Sand stone	Sprengnether	N	7.0	7.0	1000		1	30
					Benioff	Z	0.72	0.45	-	-	1	60
					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph	ZNE		0.1		50	0.6		600
Delhi NDI	28.41	77.12	207	Massive Quartzite	Sprengnether	E	7.6	7.6	5000		1	30
					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.9	50K (for		1	60
						N	1.0	0.76	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Spsengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	30
Dehra Dun DDI	30.19	78.03	682	Gravel	Wilson-Lemison	Z	1.3	1.3	-	1	1	60
					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa GOA	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
						E	7.4	7.4	5000		1	30
Hyderabad HYD	17.26	78.27	536	Granite	Milne-Shaw	N	7.5	7.5	5000		1	30
						E	12		250	0.7		8
Kodaikanal KOD	10.14	77.28	2345	Rock	Benioff(SP)	N	12		250	0.7		8
						Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
						E	15	100	1500 (secs.		1	30
Madras MDR	13.00	80.11	15		Milne-Shaw	E	12		250	0.7		8
					Sprengnether	E	7.4	7.4			1	30
Poona POO	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.5	1.5			1	30
						Z	1.0	0.75	50K (for		1	60
						N	1.0	0.75	50K (TE=1		1	60
						E	1.0	0.75	50K (sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 (for		1	30
						N	15	100	1500 (TE=15		1	30
Port Blair PBA	11.40	92.43				E	15	100	1500 (secs.		1	30
					Milne-Shaw	E	12		250	0.7		8
					Wood-Anderson	N	2.0		890	0.7		8
Sehore SEH	23.10	77.05			Benioff	E	0.8		840	0.8		30
					Wood-Anderson	Z	1.2	1.5			1	30
						N	0.8		860	1		30
Shillong SHL	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)		E	0.8		950	1		30
					Benioff(SP)	Z	1	0.75	200K (for		1	60
						N	1	0.75	200K (TE=1		1	60
						E	1	0.75	200K (sec		1	60
					Press-Ewing (LP)	Z	15	100	3000 (for		1	15
						N	15	100	3000 (TE=15		1	15
						E	15	100	3000 (secs		1	15
					Sprengnether	E	6.7	6.7	2500		1	30
					Milne-Shaw	N	12		250	0.7		8
Tocklai TOC	26.45	94.46		Alluvium	Wenner Accelerograph	Z,N,E	0.1		Nearly 50	0.6		600
					Wood-Anderson	E	0.8		1000	1		60
Trivandrum TRV	8.29	76.57	Decomposed Laterite		Sprengnether	E	7.1	7.1	2500		1	30
Visakhapatnam VIS	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Electromagnetic (S.P.)	Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0		250	0.7		12

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
01	POO	eP	00	06	51		
01	SHL	eP	03	07	34		
01	Epc: 5.6S 147.2E - H = 03h 31m 10.5s (USCGS) Depth = 183 Km. Mag. = 5.6 (CGS)						
	CHA	iP	03	41	43		
	SHL	iP	03	41	13	D	
	KOD	eP	03	42	15.0	D	
	NDI	eP	03	42	34	D	
		pP		43	24		
	POO	eP	03	42	38		
01	BOK	ePn	07	51	00		2.05
		iSn		51	26.7		
01	BOK	e	09	14	59		
01	NDI	iPg	09	41	18.0	DS	0.14
		iSg		41	19.8	Mag=1.6	
01	CHA	iPg	15	42	52.4	D	0.41
		P*		42	53.6		
		Sg		42	57.7		
01	NDI	iP	19	28	04.0	D	8.2
		iS		29	38		
01	PBA	iPg	21	09	05.2	D	0.46
		iSg		09	11.2		
01	Epc: 44.9°N, 147.0°E -H = 22h 42m 01.8s (USCGS) Depth = 134 Km. Mag. = 5.4 (CGS).						
	SHL	iP	22	50	27	DNE	
	CHA	iP	22	50	48	D	
	NDI	iP	22	51	31.6	DNE	56.8
		eS		59	12		
	POO	iP	22	52	31.0	D	
	KOD	iP	22	52	50.6	CSW	
02	POO	e	01	09	53		
02	SHL	eP	06	24	02		
02	Epc: 36.8°N, 55.1°E IRAN - H = 08h 02m 08.6s (USCGS) Depth = 33 Km.						
	NDI	eP	08	06	44		
02	POO	eP	09	01	23		
02	BOK	e	09	46	14		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
02	NDI	ePn	10	35	28		2.8
		iSn		36	03		
02	NDI	i	12	53	08		
02	NDI	eP	14	39	48		
02	CHA	eP	14	44	07		
	SHL	eP	14	44	53		
	TOC	eP	14	45	31		
02	SHL	iPg	17	28	10	CSW	1.1
		eSg		28	25		
02	SHL	iP	19	16	47	CSE	
	NDI	eP	19	18	26		
02	NDI	eP	19	43	19		8.6
		eS		44	58		
03	Epc: 24.4°N, 121.9°E H = 00h 18m 03.1S (USCGS) Depth = 54 Km. Mag. = 4.9 (CGS)						
	SHL	iP	00	23	47	CNW	
	CHA	iP	00	24	24	C	
	NDI	eP	00	25	30		
03	CHA	iP	01	04	39.6	C	
	NDI	eP	01	05	24		
		i		05	53		
		e		07	25		
	SHL	iP	01	05	28	DW	
03	Epc: 07.8°S, 147.1°E - H = 01h 23m 19.6s (USCGS) Depth = 139 Kms. Mag. = 5.4 (CGS)						
	SHL	iP	01	33	35	CNW	
	CHA	iP	01	34	05	C	
	KOD	iP	01	34	29.3	DSE	
	NDI	iP	01	34	55.4	CW	77.2
		eS		44	28		
	POO	iP	01	34	58.0	CW	
03	Epc: 31.0°N, 129.8°E KYUSHU JAPAN - H = 04h 45m 57.0s (USCGS) Depth = 165 Kms. Mag. = 4.6 (CGS)						
	SHL	eP	04	52	32		
	NDI	eP	04	54	03		

DATE	STN	PHASE	H.	M.	S.	△ Deg.		
03	KOD	iP	04	54	57.5	DE		
Contd.								
03	NDI	i	06	57	06			
		i		57	13			
		e		57	45			
03	NDI	i	06	58	40			
		i		59	16			
		i		59	20			
03	NDI	e	07	00	11			
03	NDI	P*	07	20	37	3.3		
		Pg		20	45			
		Sn		21	12.5			
		S*		21	19.5			
		Sg		21	27.5			
		i		21	30.5			
03	SHL	iP	14	49	29	DNE		
03	Epc: 10.6°S, 79.8°W							
	- H = 21h 07m 30.8s							
	Depth = 38 Km. (USCGS)							
	Mag. = 6.5 (CGS)							
	NDI	iPKP$_1$	21	27	16.6	C	151.7	
		PKP$_2$		27	44			
		PP		31	06			
		PPP		34	24			
		i		41	12			
		SKSP		41	22			
		PPS		44	30			
		SS		50	28			
		i		55	16			
		SSS		56	04			
	BOM	ePKP$_1$	21	27	19	C	152.0	
		PKP$_2$		27	48			
		SKS		30	54			
		ePP		31	09			
		i		31	15			
		PcSPKP		39	13			
		PKKS		39	28			
		SKSP		41	23			
		SSP		51	22			
	P00	PKP$_1$	21	27	19		152.2	
		PKP$_2$		27	41			
		i		27	50			
		PP		31	10			
		SKSP		41	24			
		i		44	24			
		SS		50	34			
		i		50	51			
	KOD	ePKP	21	27	24	DSE	157.0	
		PP		31	36			
		PPP		35	10			
		SKKS		38	18			
		PPS		44	46			
		SS		51	38			
		SSS		57	05			

DATE	STN	PHASE	H.	M.	S.	△ Deg.		
03	DDI	PKP	21	27	27.7			
contd.								
	CHA	iPKP	21	27	28	C	158.7	
		PP		31	48			
	MDR	ePKP$_1$	21	27	28		160.2	
		ePKP$_2$		28	08			
		PKS		31	06			
		PP		31	53			
		PPP		35	49			
		SKKS		38	41			
		SKSP		42	19			
		PPS		44	53			
		SS		51	57			
	BOK	iPKP$_1$	21	27	30	C	160.2	
		PKP$_2$		28	15			
		pP		31	56			
		e		34	38			
	VIS	ePKP$_1$	21	27	32		161.0	
		ePP		32	02			
03	SHL	PKP	21	27	34		163.3	
		PP		32	13			
	PBA	iPKP	21	27	40	D	173.0	
		PP		33	02			
04	SHL	eP	01	51	48			
04	NDI	e	02	44	31			
04	SHL	eP	02	58	48			
04	NDI	e	03	20	01			
04	Epc: 31.4°S, 179.4°W							
	- H = 03h 51m 58.9s							
	Depth = 231 Km. (USCGS)							
	Mag. = 5.5 (CGS)							
	NDI	iP	04	06	21			
		ePKP		10	12			
		e		10	41			
04	SHL	ePKP	04	08	58			
	CHA	ePKP	04	09	55			
	KOD	ePKP	04	09	56.5	DSE		
	MDR	PP	04	10	04			
	P00	iPKP	04	10	11.5	C		
04	NDI	iPg	05	56	43.5		0.2	
	NDI	Sg		56	46.0			
	NDI	i	07	16	14			
04	NDI	i	10	21	44			
04	NDI	e	10	31	05			
04	NDI	i	10	31	42			

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
04	NDI	i	10	32	33		
		i		32	37		
04	NDI	i	10	33	03		
04	NDI	i	10	35	21		
		e		35	24		
04	Epc: 04.7°S, 153.2°E - H = 13h 00m 11.3s Depth = 70 Kms.(USCGS) Mag. = 4.6 (CGS)						
	KOD	iP	13	11	58.0	D	
	NDI	eP	13	12	14		
		i		19	21		
		i		19	30		
	POO	eP	13	12	21		
04	Epc: 09.2°S, 77.3°W - H = 16h 06m 08.7s Depth = 33 Km.(USCGS) Mag. = 4.8 (CGS)						
	SHL	iPKP	16	26	08		
	CHA	iPKP	16	26	08	D	
	NDI	ePKP$_1$	16	26	09		
		e		27	44		
04	NDI	iPg	16	29	35.3		0.48
		P*		29	36.8		
		iSg		29	41.6		
04	Epc: 35.5°N, 140.9°E - H = 17h 48m 30.6s Depth = 23 Km (USCGS) Mag. = 4. 4(CGS) NEAR EAST COAST OF HONSHU JAPAN						
	NDI	eP	17	57	51		
04	Epc: 08.8°S, 157.7°E - H = 18h 01m 32.7s Depth = 33 Kms. (USCGS) Mag. = 5.2 SOLOMON ISLANDS						
	SHL	iP	18	12	57		
	CHA	eP	18	13	24		
	NDI	eP	18	14	09		
04	SHL	eP	19	16	29		
04	Epc: 54.8°N, 159.1°E - H = 19h 30m 13.7s Depth = 182 Kms. (USCGS) Mag. = 4.6 (CGS)						
	CHA	iP	19	39	50	D	
	NDI	eP	19	40	17		
04	NDI	eP	21	51	04		8.5
		iS		52	42		
04	POO	eP	21	55	34		
04	NDI	e	22	24	45		
05	SHL	eP	02	45	48		
05	NDI	i	02	54	25		
		i		54	30		
05	SHL	iP	03	21	11	DS	
05	Epc: 04.4°S, 144.8°E - H = 03h 39m 55.9s Depth = 27 Km. (USCGS) Mag. = 5.1 (CGS)						
	SHL	iP	03	49	58	DSW	
	NDI	eP	03	51	22		
05	NDI	i	06	22	07		
05	BOK	e	08	28	32		
05	BOK	e	10	13	07		
05	NDI	i	13	44	21		
05	SHL	iPg	20	52	45	DW	0.9
		eSg		52	57		
05	NDI	eP	20	59	33		4.8
		i		59	36		
		iS	21	00	30		
05	SHL	iPg	01	21	35	DN	1.4
		iSg		21	54		
06	Epc: 24.1°N, 91.7°E - H = 01h 43m 31.8s Depth = 18 Kms. (USCGS) Mag. = 5.0 (CGS)Felt in Shillong INDIA-EAST PAKISTAN BORDER						
	SHL	iP	01	43	58	DNW	
	CHA	ePn	01	44	52		5.5
		P*		45	10		
		Pg		45	24		
		iSn		45	56		
		i		46	05		
	BOK	eP	01	44	54		
		i		46	29		
		i		46	55		
	NDI	eP	01	46	45		12.2
		i		46	53		
		iS		49	03		
	POO	eP	01	47	35		16.1
		iS		50	33		
	KOD	eS	01	51	11.5		
	BOM	e	01	53	08		
06	SHL	iP	02	41	11	DS	

DATE	STN	PHASE	H. M. S.		Δ Deg.
06 contd.	NDI	eP	02 43 23		18.9
		e	43 27		
		i	45 38		
		iS	46 51		
	KOD	eP	02 45 11.5	SW	
	POO	eP	02 46 25		
06	Epc: 46.7°N, 154.0°E - H = 03h 19m 12.4s Depth = 33 Kms.(USCGS) Mag. = 4.8 (CGS)				
	SHL	iP	03 28 27	CS	
	NDI	iP	03 29 24.5	DNE	
06	Epc: 06.5°S, 129.7°E - H = 04h 44m 55.9s Depth = 139 Kms. (USCGS) Mag. = 5.2 (CGS) BANDA SEA				
	SHL	iP	04 53 28	C	
	KOD	iP	04 54 12.5	DE	
	POO	iP	04 54 52	C	
	NDI	iP	04 54 59	D	
06	Epc: 35.0°N, 23.0°E - H = 04h 59m 24.7s Depth = 3 Kms. (USCGS) Mag. = 4.8 (CGS) CRETE				
	NDI	eP	05 07 47		
	KOD	iP	05 09 00.0	D	
06	SHL	iP	05 21 29	DS	2.9
		eS	22 06		
06	SHL	eP	06 15 45	D	
06	PBA	i	06 57 02		
06	Epc: 14.7°N, 93.6°E - H = 07h 30m 10.8s Depth 33 Kms. (USCGS) Mag. = 5.6 (CGS) ANDAMAN ISLANDS.				
	PBA	iPn	07 31 01.6	C	2.8
		P*	31 06		
		Pg	31 13		
		Sn	31 34		
	CAL	eP	07 32 26		8.7
		PPP	32 40		
		iS	34 04		
		SS	34 17		

DATE	STN	PHASE	H. M. S.		Δ Deg.
06 contd.	VIS	iP	07 32 32	CE	9.8
		iPP	32 42		
		iS	34 22		
		iSS	34 36		
	SHL	iP	07 32 44	CN	10.7
		eS	34 45		
	BOK	eP	07 32 57		11.2
		iS	35 02		Mag.=5¼
	MDR	eP	07 33 13		12.2
		PP	33 15		
		eS	35 29		
		SS	35 42		
	CHA	eP	07 33 18		13.6
		S	35 48		
		SSS	36 02		
	KOD	eP	07 33 57	C	15.4
		i	33 59		
		PP	34 04		
		iS	36 46		
		SS	36 57		
	SEH	eP	07 34 19		17.0
		eS	37 27		
	POO	iP	07 34 36.0	D	18.7
		PP	34 48		
		iS	38 00		
		i	38 15		
		SSS	38 33		
	GOA	iP	07 34 39	ES	19.6
		eS	38 08		
	NDI	iP	07 34 49.0	DSE	19.8
		iS	38 25		
	BOM	eP	07 34 49	DE	19.9
		eS	38 26		
	DDI	eP	07 34 57		20.9
		eS	38 45		
	BHK	eP	07 35 15.0		23.2
		eS	39 21.0		
06	MDR	e	07 45 54		
06	NDI	e	07 10 32.5		
		e	10 43		
06	BOK	e	10 00 22		
06	CHA	iPg	10 07 16.2	C	0.6
		Sg	07 23.9	Mag.= 3¼	
06	BOK	e	10 09 13		
06	BOK	e	10 30 20		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
06	PBA	ePn	15	01	51	2.8	
		Pg		02	02		
		iSn		02	24		
	SHL	iP	15	03	32		D
	BOK	eP	15	03	39		
	CHA	eP	15	04	08	13.6	
		S		06	38		
	NDI	eP	15	05	38	19.7	
		eS		09	13		
	POO	eS	15	08	44		
06	SHL	eP	15	24	52		
06	SHL	iP	15	46	36		DE
06	BHK	ePg	16	58	56.0	1.2	
		eSg		59	13.6		
	NDI	ePn	16	59	47	3.9	
		iSn	17	00	34.0		
06	Epc: 52.6°N, 168.5°W - H = 17h 24m 40.1s Depth = 33 Kms. (USCGS) Mag. = 4.8 (CGS)						
	SHL	iP	17	36	22		CSW
	CHA	iP	17	36	33.0		D
	NDI	iP	17	36	52.0		CSW
		e		39	08		
06	SHL	iPg	18	33	43		DN 1.1
		iSg		34	00		
06	NDI	i	18	47	26		
06	NDI	i	18	49	10		
06	Epc: 05.2°S, 151.7°E NEW BRITAIN - h = 19h 44m 07.9s Depth = 74 Kms. (USCGS) Mag. = 5.1 (CGS)						
	SHL	iP	19	54	45		CNW
	CHA	iP	19	55	14		D
	NDI	eP	19	56	04		D
06	Epc: 15.0°S, 167.5°E NEW HEBRIDES ISLANDS - H = 20h 48m 43.8s Depth = 142 Kms. (USCGS) Mag. = 4.1 (CGS)						
	SHL	iP	21	01	00		CW
07	SHL	eP	00	20	20		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
07	Epc: 40.6°N, 19.4°E ALBANIA H = 00h 32m 22.1s Depth = 33 Kms. (USCGS Mag. = 4.4 (CGS)						
	CHA	iP	00	42	04		
07	POO	iPn	01	53	26.0	1.31	
		iSn		53	43.2		
07	NDI	e	02	24	48		
07	NDI	i	02	27	34		
		i		27	43		
		i		27	47		
07	NDI	i	02	30	30		
		i		30	35		
07	Epc: 02.7°N, 124.3°E - H = 07h 12m 36.6s Depth = 274 Kms. (USCGS) Mag. = 5.8 (CGS) CELEBS SEA						
	PBA	eP	07	18	46	32.9	
		i		21	24		
		iS		23	42		
0	SHL	iP	07	19	35		DSE 38.6
		i		20	48		
		iS		25	11		
	CAL	iP	07	20	00		NW 40.3
		iS		25	45		
	VIS	iP	07	20	09		D 42.4
		iPP		21	43		
		iS		26	10		
	BOK	iP	07	20	09		DSE 42.7
		PP		21	42		
		iS		26	11		
		PS		26	18		
		PPS		26	27		
		SSS		29	33		
		SCS		30	03		
	CHA	eP	07	20	13		C 42.8
		S		26	16		
	MDR	iP	07	20	27		D 44.8
		PP		22	16		
		iS		26	43		
		PS		28	25		
		SS		29	52		
	GOA	iP	07	20	30.8		
	KOD	eP	07	20	43		DE 46.9
		iS		27	12.0		

DATE	STN	PHASE	H. M. S.		Δ Deg.
07 Contd.	SEH	iP	07 21 04	W	50.2
		iS	27 54		
	GOA	iP	07 21 17		51.4
		PP	23 37		
		i	24 45		
		iS	28 13		
	NDI	iP	07 21 17.3		51.5
		PP	22 16		
		e	22 31		
		iS	28 14		
		SP	28 30		
		i	30 21		
	DDI	iP	07 21 17.7	C	51.6
		eS	28 15		
	P00	iP	07 21 18.0	D	51.8
		iS	28 18		
	BOM	iP	07 21 25	DE	52.8
		PP	23 20		
		iS	28 31		
		PS	28 38		
		PPS	28 46		
		SCS	31 16		
	BHK	eP	07 21 31.0		53.6
		eS	28 41.0		
07	SHL	eP	09 23 30		
07	NDI	i	11 00 53		
07	NDI	i	11 39 19		
07	SHL	eP	12 03 36		
07	SHL	eP	12 07 13		
07	SHL	eP	12 15 07		
07	NDI	e	12 17 24		
		i	17 46		
07	NDI	eP	12 26 15		
07	SHL	ePg	12 56 12		1.3
		eSg	56 31		
07	NDI	i	13 15 37		
07	NDI	i	13 17 56		
07	SHL	eP	17 09 38		
07	SHL	eP	18 29 59		
07	SHL	iPg	19 50 55	DNE	1.4
		eSg	51 14		
07	SHL	iP	20 15 13	DSE	1.5
		eS	15 33		
07	NDI	eP	21 11 03		12.8
		iS	13 28		

DATE	STN	PHASE	H. M. S.		Δ Deg.
08	Epc: 36.9°N, 71.5°E - H = 00h 26m 02.5s Depth = 111 Kms. (USCGS) Mag. = 5.0 (CGS) AFGANISTAN-USSR BRODER				
	NDI	iP	00 28 18.6	D	8.7
		iS	29 55.6		
	BHK	e	00 28 56.0		
	CHA	eP	00 29 49		16.2
		iS	32 44		
	BOK	eP	00 30 01		
	P00	eP	00 30 15		18.4
		eS	33 32		
	SHL	iP	00 30 36	DNW	
08	SHL	eP	01 37 40		
08	P00	eP	01 42 52		
	NDI	eP	01 43 09		
08	NDI	i	01 49 27		
		i	50 11		
		i	50 36		
08	Epc: 40.7°N, 20.2°E - H = 02h 04m 49.1s Depth = 30 Kms. (USCGS) Mag. = 4.7 (CGS)				
	NDI	eP	02 13 13		
08	Epc: 06.9°S, 129.4°E - H = 03h 36m 13.4s Depth = 107 Kms. Mag. = 5.6 BANDA SEA				
	SHL	iP	03 44 49	CW	
	KOD	iP	03 45 32	D	
	NDI	iP	03 46 19.4	C	
		i	46 21		
08	BOK	e	03 59 39		
08	NDI	i	04 30 42		
		i	30 57		
08	SHL	ePg	05 07 31		0.9
		eSg	07 43		
08	NDI	eP	05 07 45		
08	Epc: 38.4°N, 70.5°E - H = 05h 23m 40.5s Depth = 14 Kms. (USCGS) Mag. = 4.9 AFGHANISTAN-USSR BORDER				

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
08	NDI	eP	05	26	23		11.3
Contd.		i		27	06		
		eS		28	29		
	SHL	iP	05	28	36	DN	
08	SHL	ePg	05	41	17.0		1.4
		eSg		41	35		
08	NDI	i	06	57	28		
08	NDI	i	06	58	23		
		i		58	26		
08	NDI	i	07	06	49		
08	NDI	e	07	24	19		
08	NDI	i	07	27	52		
08	BOK	e	08	38	24		
		e		38	27		
08	BOK	e	08	49	01		
08	Epc: 23.4°S, 70.4°W H = 08h 59m 59.3s Mag. = 5.5 (CGS) NEAR COAST OF NORTHERN CHILE						
	POO	eP	09	19	39		
	KOD	iP	09	19	40.5	DSW	
08	BOK	e	09	47	26		
08	PBA	iPg	14	31	19.1	C	1.1
		iSg		31	33.6		
08	Epc: 12.2°N, 140.8°E WEST CAROLINE ISLANDS - H = 22h 37m 39.5s Depth = 27 Kms. (USCGS) Mag. = 5.3 (C.G.S.)						
	SHL	iP	22	46	17	DSE	49.2
		iS		53	19		
	CHA	iP	22	46	51	C	
		PP		48	55		
		i		54	23		
	BOK	eP	22	46	58		54.2
		PP		49	02		
		iS		54	31		
		PPS		54	55		
		SS		58	15		
	VIS	iP	22	47	17	DW	57.3
		ePP		49	28		
		ePPP		50	56		
		iS		55	09		
		eSS		59	03		
		eSSS	23	01	35		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
08	MDR	iP	22	47	41	CW	60.7
Contd.		i		48	24		
		PPP		51	27		
		eS		55	53		
		PS		56	13		
		PPS		56	22		
		SS		59	51		
	DDI	eP	22	47	52		61.0
		iS		56	06		
	NDI	iP	22	47	52.0	E	62.0
		PP		50	04		
		ScP		52	31		
		iS		56	13		
		PS		56	40		
		SKS		57	32		
		SS	23	00	18		
0	KOD	iP	22	48	00.0	DS	63.0
		iS		56	26		
	POO	eP	22	48	15		65.7
		eS		56	58		
	BOM	iP	22	48	22	CE	66.8
		eS		57	12		
09	PBA	eP	00	26	09.2		1.7
		iS		26	31.2		
09	Epc: 12.3°N, 140.7°E WEST CAROLINE ISLANDS - H = 06h 15m 01.6s Depth = 25 Kms. (USCGS) Mag. = 4.9						
	SHL	iP	06	23	41	C	
09	BOK	e	08	10	13		
09	Epc: 18.0°N, 145.5°E - H = 08h 37m 50.4s Depth = 241 Kms. (USCGS) Mag. = 5.2 (CGS)						
	SHL	iP	08	46	23	C	
	CHA	iP	08	46	55	C	
	POO	iP	08	48	23.0	C	
09	NDI	i	10	06	30		
09	EPC: 27.7°S, 63.1°W - H = 10h 06m 44.1s Depth = 578 Kms. (USCGS) Mag. = 5.8						
	BOM	ePKP	10	24	55		
		e		25	07		
		pPKP		27	22		
		PKS		28	40		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
09 Contd.	KOD	ePKP	10	24	57	D	136.2
		i		27	22		
		PP		27	48		
		PKS		28	44		
		PPP		31	08		
		PPS		39	56		
		i		43	24		
	POO	ePkP	10	25	00		136.7
		PP		27	53		
		PPP		31	00		
		PPS		40	16		
	MDR	iPKP	10	25	12	DE	143.4
		i		25	28		
		pPKP		27	31		
		PP		28	34		
		PKS		28	54		
		SKS		31	34		
		SKKS		34	53		
		i		36	12		
		i		42	24		
		SS		46	46		
	SEH	iPKP	10	25	13		
		i		25	22		
	BHK	ePKP	10	25	18.0		
	NDI	iPKP	10	25	18.3	DSW	146.0
		pPKP		27	32		
		i		28	25		
		PP		28	51		
		PPP		31	48		
		i		32	22		
		SKKKS		35	00		
		SKSP		38	24		
		SP		39	22		
		PPS		41	34		
		i		41	52		
		i		43	16		
		SS		46	48		
		SSP		47	26		
		SSS		52	32		
	VIS	ePKP	10	25	20		146.5
		pPKP		27	34		
		PP		28	56		
		i		31	55		
		PPS		41	54		
		SS		47	41		
		SSP		47	56		
	PBA	iPKP$_1$	10	25	27	DW	153.5
		PKP$_2$		25	50		
		pPKP		27	46		
	DDI	PKP	10	25	28		
	BOK	iPKP$_1$	10	25	31	D	
		PKP2		25	49		
		pPKP		27	45		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
	BOK	PP	10	29	27		
Contd.		PPP		32	27		
		SSP		48	44		
	CHA	iPKP	10	25	32	D	
	SHL	iPKP$_1$	10	25	37		
		PKP$_2$		26	09		
		pPKP		27	48		
		PP		29	54		
		SKKS		35	46		
		SKSP		39	16		
09	BOK	e	10	52	56		
09	SHL	eP	11	33	41		51.5
09	CHA	eP	13	46	54		3.9
		eS		47	41		
	SHL	eP	13	47	32		
09	Epc: 12.3°N, 140.7°E - H = 14h 43m 57.7s (USCGS) Depth = 33 Kms. Mag. = 5.4 (CGS)						
	SHL	iP	14	52	35	CNW	48.3
		iS		59	32		
	CHA	iP	14	53	09	D	
	BOK	iP	14	53	18	D	54.2
		PCP		54	18		
		PP		55	16		
		iS	15	00	51		
		PS		00	58		
		PPS		01	06		
	VIS	eP	14	53	31		56.0
		eS	15	01	16		
	MDR	eP	14	54	00		60.2
		eS	15	02	10		
	DDI	eP	14	54	10		61.4
		eS		02	27		
	NDI	eP	14	54	11		61.4
		eS	15	02	28		
		SS		06	38		
	KOD	eP	14	54	18.0	DSE	
		i	15	03	00		
	POO	eP	14	54	34		64.8
		eS	15	03	12		
	BOM	eP	14	54	42		66.5
		eS	15	03	29		
09	SHL	iP	15	19	12	C	
09	SHL	ePg	17	00	59		1.4
		eSg		01	18		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
09	Epc: 54.8°S, 136.0°W						
	- H = 16h 52m 01.3s (USCGS)						
	Depth = 33 Kms.						
	Mag. = 5.4 (CGS)						
	CHA	ePKP	17	11	23		
	MDR	ePP	17	14	46		
	POO	ePKP	17	11	25	140.6	
		i		32	25		
		SS		32	48		
		i		37	25		
	SHL	ePKP	17	11	28		
		i		14	00		
	BOM	ePKP	17	11	28		
		e		16	49		
	NDI	PKP	17	11	35	144.7	
		PP		14	52		
		SS		33	42		
		SSS		39	14		
	DDI	ePKP	17	11	47		
09	SHL	ePg	17	22	40	1.3	
		eSg		22	58		
09	Epc: 12.2°N, 140.8°E						
	- H = 19h 04m 27.2s (USCGS)						
	Depth = 49 Kms.						
	Mag. = 4.7 (CGS)						
	NDI	eP	19	14	46		
09	SHL	iP	19	36	11		
09	Epc: 37.5°N, 136.2°E						
	- H = 21h 14m 58.2s (USCGS)						
	Depth = 325 Kms.						
	Mag. = 4.2 (C.G.S)						
	NEAR WEST COAST OF HONSHU JAPAN.						
	SHL	iP	21	21	56	DE	
	NDI	iP	21	23	17		
09	PBA	ePg	22	57	55.8	0.6	
		iSg		58	02.8		
10	NDI	i	02	40	27		
		i		40	35		
10	NDI	i	03	01	44		
10	NDI	i	03	31	05		
10	SHL	iP	05	44	45	DN	
10	SHL	iP	05	58	23	C	
10	SHL	iPg	10	42	46	DS	0.9
		eSg		42	58		

DATE	STN	PHASE	H.	M.	S.	△ Deg.		
10	Epc: 14.8°N, 121.2°E							
	- H = 17h 49m 16.8s (USCGS)							
	Depth = 22 Kms.							
	Mag. = 4.9 (C.G.S)							
	LUZON, PHILIPPINE ISLANDS.							
	SHL	iP	17	55	21	D		
10	SHL	iP	19	25	15	C		
10	SHL	iP	20	21	39	CN		
10	SHL	iP	22	14	37	CNW		
10	TOC	eP	22	14	55			
		i		14	58			
		i		15	05			
	CHA	i	22	15	38			
		i		17	00			
11	NDI	i	00	58	23			
		i		58	29			
11	CHA	eP	01	50	58			
11	SHL	iP	03	00	17	DNE		
11	SHL	eP	04	02	15			
11	Epc: 21.4°S, 169.7°E							
	LOYALTY ISLANDS							
	- H = 04h 37m 16.4s (USCGS)							
	Depth = 11 Kms.							
	Mag. = 5.0 (CGS)							
	SHL	eP	04	50	05			
11	SHL	iP	05	14	04	DNW		
11	Epc: 27.5°N, 66.4°E							
	- H = 06h 12m 00.5s (USCGS)							
	Depth = 36 Kms.							
	Mag. = 4.6							
	WEST PAKISTAN							
	NDI	iP	06	14	18.7	NW	9.4	
		eS		16	05			
		i		16	12			
	POO	eP	06	14	42		11.5	
		eS		16	50			
	DDI	e	06	14	47.7			
		eS		16	25			
	BOK	eP	06	16	13		17.7	
		eS		19	26			
	CHA	iP	06	16	17	D	18.5	
		S		19	39			
		SS		19	55			
	MDR	eP	06	16	28			

DATE	STN	PHASE	H.	M.	S.			△ Deg.
11 Contd.	BOM	eS	06	16	30			
		e		17	50			
	KOD	iP	06	16	41.0	DW		
	SHL	iP	06	17	05	DW		
11	NDI	eP	06	25	25			
11	SHL	iP	07	35	47	CNE		
	CHA	iP	07	36	35	D		
	BOK	e	07	36	50			
11	NDI	eP	07	40	55			
11	BOK	e	08	33	36			
11	BOK	e	08	39	23			
11	SHL	iP	11	18	57	C		0.6
		eSg		19	05			
11	Epc: 45.0°N, 99.3°E - H = 12h 53m 34.6s (USCGS) Depth = 33 Kms. Mag. = 4.8 MONGOLIA							
	SHL	iP	12	58	09	NE		
	CHA	iP	12	58	16	D		
	BOK	eP	12	58	47			
	NDI	eP	12	58	48			25.7
		eS	13	03	12			
	KOD	iP	13	01	04.0	D		
		i		09	10.9			
11	SHL	eP	14	01	06			
11	SHL	iP	15	58	58	CNE		
	CHA	iP	15	59	20	C		3.7
		eS	16	00	05			
11	NDI	i	17	40	21			
		i		40	44			
11	NDI	i	17	41	31			
11	Epc: 25.2°S, 70.3°W - H = 19h 17m 23.1s (USCGS) Depth = 33 Kms. Mag. = 4.7 (CGS) NEAR COAST OF NORTHERN CHILE							
	NDI	iPKP	19	37	16	C		
11	Epc: 20.3°N, 38.7°E - H 19h 58m 23.2s (USCGS) Depth = 33 Kms.							
	NDI	eP	20	05	27			
	CHA	eP	20	06	25			

DATE	STN	PHASE	H.	M.	S.			△ Deg.
11	CHA	iPg	22	01	46.1			1.7
		Sg		02	08.6			
11	POO	eP	22	41	20			
12	SHL	iP	00	53	29			
12	NDI	i	02	20	25			
		i		20	29			
12	Epc: 44.6°N, 149.8°E -H = 02h 43m 33.1s (USCGS) Depth = 25 Kms. Mag. = 5.1							
	SHL	iP	02	52	27	CW		
	NDI	iP	02	53	28.0	C		60.3
		i		53	35			
		i		53	46			
		eS	03	01	32			
		e		01	47			
	POO	iP	02	54	27.0	C		
12	SHL	eP	03	55	59			
12	NDI	e	04	58	20			
12	NDI	e	05	52	07			
12	SHL	eP	06	13	05			
12	POO	iPg	07	25	53.5	DS		1.1
		iSg		26	08.2			
		iSn		26	10.6			
	KOD	eP	07	29	32.6	DSW		
		e		29	33.5			
		e		29	34.5			
12	CHA	iPg	07	52	27.7			1.6
		Sg		52	49.0			
12	VIS	eP	08	15	19			5.9
		eS		16	28			
12	POO	ePg	08	22	26.5			1.1
		iSg		22	41			
		eSn		22	43.5			
12	BOK	e	08	27	08			
12	POO	iPg	08	37	22.5	DSW		1.1
		eSg		37	37			
	BOM	iPn	08	37	31	D		1.7
		iSn		37	55			
	KOD	iP	08	38	57.6	NW		7.5
		iSn		40	24.5			
		SS		40	38			
		S*		40	51			
12	MDR	eSn	08	40	19			
		e		40	51			

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
12	NDI	eS	08	41	54		
contd.		i		42	19		
		i		43	03		
12	POO	iPg	08	42	00	0.9	
		iSg		42	09		
	BOM	ePn	08	42	11.5	1.7	
		eSn		42	34.5		
	BOK	i	08	43	40		
		eS		43	44		
	CHA	i	08	43	44		D
		eS		45	08		
	SHL	eS	08	44	52		
12	MDR	e	08	45	20		
		eSg		45	28		
	NDI	e	08	47	35		
		e		47	40		
12	BOK	e	08	57	03		
12	BOK	e	09	01	13		
12	Epc: 19.7°S, 69.9°W H = 10h 16m 49.2s (USCGS) Depth = 125 Kms. Mag. = 4.5 (CGS)						
	NDI	ePKP1	10	36	17		
		ePKP2		36	20		
12	POO	ePg	13	01	44.5	1.1	
		eSg		01	59.5		
		iSn		02	02.1		
12	Epc: 39.3°N, 21.2°E - H = 14h 46m 41.3 (USCGS) Depth = 14 Kms. Mag. = 4.5 GREECE						
	NDI	iP	14	55	11.0		C
	SHL	iP	14	56	43		C
12	POO	ePg	15	56	28	1.1	
		eSg		18	43		
		eSn		18	45		
12	POO	ePg	16	10	51.5	1.1	
		eSg		11	07		
		eSn		11	10		
12	POO	ePg	16	18	28	1.1	
		eSg		18	43		
		eSn		18	45		
12	NDI	i	17	31	25		
12	NDI	i	17	33	15		
12	SHL	eP	17	55	00		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
12	NNDI	ePn	18	59	36	2.45	
		eSn	19	00	07		
12	POO	eP	19	03	14		
12	NDI	e	21	36	08		
12	POO	ePg	21	52	48	1.1	
		eSg		53	03		
		eSn		53	05		
12	Epc: 05.5°S, 151.7°E - H = 21h 49m 47.6s (USCGS) Depth = 50 Kms. Mag. = 5.2 (CGS)						
	SHL	iP	22	00	28		CW
	CHA	iP	22	00	59		D
	BOK	eP	22	01	04		
	KOD	iP	22	01	31.0		C
	NDI	eP	22	01	47	81.0	
		PP		05	06		
		eS		11	50		
		PS		12	39		
		SS		17	04		
	POO	eP	22	01	53		
12	BOM	e	22	12	36		
13	PBA	ePn	00	05	05.5	1.7	
		iSn		05	22.5		
13	Epc: 19.4°S, 167.7°E NEW HEBRIDES ISLANDS - H = 00h 05m 55.8s (USCGS) Depth = 17 Kms. Mag. = 5.0 (CGS)						
	SHL	iP	00	18	36		D
13	NDI	i	02	05	35		
	NDI	i	02	44	15		
13	NDI	i	03	10	13		
13	SHL	iPg	04	02	36		CSE 1.4
		iSg		05	55		
13	NDI	i	05	15	30		
13	NDI	i	05	22	58		
13	SHL	iP	05	23	21		DSE
13	BOK	e	05	24	04		
13	NDI	eP	05	25	40		
13	POO	iPg	06	09	49.7		DS 1.1
		iSg		10	04.5		
		iSn		10	06.7		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
13	BOM	iPn	06	10	01	D	1.7
		P*		10	02		
		iSn		10	24		

Epc: 17.4°N, 73.7°E
- H = 06h 23m 31s (New Delhi)
- h 4 Km.
Mag. 5½-6 (N.Delhi)

	POO	iPg	06	23	52.7	DSW	
		Sg		24	07.2		
	BOM	iPn	06	24	03	DSE	1.8
		iSn		24	23.9		
		Sg		24	26.5		
	MDR	ePn	06	25	22.0		6.9
		i		25	27.2		
		eSn		26	43		
		i		27	04		
		Sg		27	27		
	VIS	ePn	06	25	43.5		9.7
		eSn		27	22.5		
		iSg		28	11		
	NDI	iP	06	26	16.0	C	10.9
		i		26	17.5	Mag.=	5.6
		PPP		26	33		
		iS		28	20		
		SS		28	36		
		S*		29	05		
	SEH	Sn	06	25	17.3		
		Sg		26	53.8		
	BOK	eP	06	27	08		17.0
		i		30	13		
		iS		30	17		
		SS		30	39		
		SSS		30	52		
		PCP		31	51		
	CHA	iP	06	27	09		
		S		31	37		25.9
	SHL	iP	06	27	51	DW	
	DDI	eS	06	29	07.5		
		e		30	33.5		
	CAL	i	06	31	05		
	POO	ePg	06	46	00		1.1
		iSg		46	14.7		
13	Epc: 17.4°N, 73.7°E						
	- H 06h 48m 25s (N. Delhi)						
	h = 4 Km.						
	Mag. = 5½-6 (N. Delhi)						
	POO	iPg	06	48	46.4		
		eSg		49	02		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
13 contd.	BOM	iPn	06	48	56.7	DE	1.8
		Pg		48	59		
		iSn		49	19.0		
		Sg		49	23		
	MDR	eP	06	50	18		6.6
		eS		51	26		
		Sg		52	11		
	SEH	i	06	51	57.0		
	VIS	eP	06	50	40		9.7
		eS		52	31		
		eSS		53	22		
		eSSS }		53	32		
		eLR }					
	NDI	eP	06	51	10		10.9
		eS		53	14	Mag. =	5.6
		SS		53	32		
	BOK	eP	06	51	46		18.6
		iS=LQ		55	11		
		i		55	16		
		SS		55	36		
		SSS		55	47		
		LR		56	12		
		PCP		56	18		
	CHA	iP	06	52	01		28.3
		S		56	47		
	SHL	eP	06	54	02		
	DDI	eP	06	54	38.4		4.3
		eS		55	29.8		
	CAL	i	06	55	53	SW	
13	POO	iPg	07	01	19.4	DSW	1.1
		iSg		01	34.1		
13	BOM	iPn	07	01	29.5	DSE	1.7
		iSn		01	52.3		
		S*		01	54		
13	NDI	eP	07	03	45		11.0
		eS		05	50		
	SEH	iSg	07	04	20.8		
	MDR	e	07	04	11		
		Sg		04	46		
	BOK	e	07	06	18		
	CHA	eP	07	07	23		
13	POO	ePg	07	37	39		1.1
		iSg		37	54.0		
		iSn		37	56.5		
	BOM	ePn	07	37	50		1.7
		iSn		38	13		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
13	POO	ePg	07	59	26		1.1
		iSg		59	43		
13	BOK	e	08	17	39		
13	POO	iPg	08	21	42.5	DS	1.1
		iSg		21	57.5		
		iSn		21	59.5		
	BOM	ePn	08	21	53		1.7
		iSn		22	17		
13	BOK	e	08	38	37		
13	BOK	e	08	42	41		
	POO	iPg	08	43	44.9	DSW	1.1
		iSg		43	59.5		
		iSn		44	02		
	BOM	iPn	08	43	55	C	1.7
		eSn		44	18		
	MDR	e	08	47	15		
		e		47	18		
	CHA	i	08	51	33		
13	POO	iPg	09	19	35.0	D	
		i		19	53		
13	POO	ePg	09	30	00.7		1.1
		iSg		30	14.7		
		iSn		30	17		
13	NDI	eP	10	01	35		
13	SHL	eP	10	02	04		
13	POO	ePg	10	06	27.5		1.1
		iSg		06	43.0		
		iSn		06	45.0		
13	NDI	i	10	28	41		
13	NDI	i	10	41	51		
13	POO	iPg	11	33	11.4	DSW	1.1
		iSg		33	26		
		iSn		33	28.5		
	BOM	iPn	11	33	23	C	1.7
		iSn		33	45		
		Sg		33	47		
13	MDR	e	11	36	38		
		e		36	41		
13	NDI	eP	11	37	54		
13	POO	ePg	12	12	05.5		1.1
		eSg		12	20.5		
		iSn		12	22.7		
13	POO	ePg	12	47	05		1.1
		iSg		47	20.0		
		iSn		47	22.3		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
13	POO	ePg	12	52	18.5		1.1
		iSg		52	33.0		
		eSn		52	35		
	BOM	ePn	12	52	29		1.7
		iSn		52	52		
13	NDI	iPg	13	33	50.0	CNE	0.52
		P*		33	51.5		
		iSg		33	56.8		
		i		34	00.5		
13	POO	ePg	13	36	28		1.1
		iSg		36	43		
		iSn		36	45.5		
13	POO	iPg	14	55	00.6	DS	1.1
		iSg		55	15		
		iSn		55	17.3		
	BOM	ePn	14	55	11		1.7
		iSn		55	34		
	KOD	eP	14	58	27.0	DE	
13	BOM	ePn	17	00	33		1.7
		iSn		00	56		
13	POO	ePg	18	01	35.5		1.1
		iSg		01	50		
		iSn		01	52.7		
13	PBA	e	18	12	15.9		
	SHL	iP	18	12	20	DSW	
	CHA	eP	18	12	41		
	POO	eP	18	15	45		
13	Epc: 52.7°N, 172.5°E						
	- H = 18h 41m 15.4s (USCGS)						
	Depth = 34 Kms.						
	Mag. = 5.7 (CGS)						
	NEAR ISLANDS ALEUTIAN ISLANDS						
	SHL	eP	18	51	50	CSW	
	CHA	iP	18	52	04	C	
13	POO	ePg	18	52	16		1.1
		eSg		52	30.5		
		eSn		52	32		
	NDI	iP	18	52	28.7	C	
	PBA	eP	18	52	52		
	POO	iP	18	53	25.7	CSW	
	BOM	iP	18	53	27	C	
	MDR	eP	18	53	29		
	KOD	iP	18	53	50.4	DNE	
13	POO	ePg	18	52	16		1.1
		eSg		52	30.5		
		eSn		52	32		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
13	BOM	ePg	19	07	58		
13	NDI	eP	19	41	29		
	SHL	eP	19	42	13		
13	Epc: 56.0°S, 27.4°W - H = 19h 57m 47.9s (USCGS) SOUTH SANDWICH ISLANDS Depth = 148 Kms. Mag. = 5.3 (CGS)						
	NDI	iPKP	20	16	23.6	D	
	CHA	iPKP	20	16	33	D	
	SHL	iPKP	20	16	35	CN	
13	POO	ePg	20	25	50		1.1
		eSg		26	05		
		iSn		26	07.5		
13	POO	ePg	21	15	09		1.1
		eSg		15	23		
		iSn		15	25		
13	SHL	ePg	21	47	54		
		eSg		48	13		
13	Epc: 09.3°S, 158.0°E - H = 21h 51m 22.2s (USCGS) Depth = 24 Kms. Mag. = 5.2 SOLOMON ISLANDS						
	SHL	iP	22	02	50	C	
14	NDI	eP	00	28	49		
14	BOM	iP	00	38	51	C	
14	NDI	i	02	41	32		
14	NDI	i	02	42	20		
14	POO	eP	03	37	08		
14	CHA	iP	06	11	01.0	D	0.7
		Sg		11	09.6	Mag.= 3½	
	SHL	eP	06	12	55		
14	POO	eP	06	33	56		
14	BOK	e	08	11	21		
14	NDI	e	08	18	05		
		i		18	18		
14	BOK	e	08	31	48		
14	BOK	e	09	05	35		
14	POO	eP	09	15	11		
14	SHL	iP	10	46	15	C	
14	SHL	eP	10	50	01		
14	SHL	iP	11	59	21	CE	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
14	POO	eP	12	13	19		
14	NDI	i	12	24	32		
14	NDI	i	12	26	06		
14	Epc: 39.2°N, 74.0°E - H = 13h 31m 19s M = 4 (MOSCOW)						
	NDI	eP	13	33	56		10.6
		eS		35	57		
14	NDI	eP	13	38	44		8.7
		eS		40	24		
14	Epc: 01.6°N, 84.9°W - H = 14h 16m 06.0s (USCGS) Depth = 40 Kms. Mag. = 4.8						
	NDI	ePKP	14	35	42		
	CHA	ePKP	14	35	57		
14	Epc: 36.1°N, 21.9°E SOUTHERN GREECE - H = 14h 32m 31.0s (USCGS) Depth = 102 Kms. Mag. = 4.5 (CGS)						
	NDI	iP	14	40	52.5		
	CHA	iP	14	41	59		
14	Epc: 28.4°N, 57.1°E SOUTHERN IRAN - H = 14h 49m 41.9s (USCGS) Depth = 33 Kms. Mag. = 4.7 (CGS)						
	NDI	eP	14	53	46		
	POO	eP	14	54	00		
	CHA	iP	14	55	21	C	
14	Epc: 15.4°S, 167.5°E - H = 15h 35m 17.3s (USCGS) Depth = 142 Kms. Mag. = 4.9 (CGS) NEW HEBRIDES ISLANDS						
	SHL	iP	15	47	34	CNW	
14	POO	iPg	17	40	23.0	DS	1.1
		iSg		40	38.0		
		iSn		40	40.7		
	KOD	eP	17	44	00.3	DW	
14	NDI	i	19	00	54		
14	NDI	i	19	02	06		
14	NDI	i	19	02	11		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
14	NDI	iP	19	06	49.7	C	1.7
14	POO	iPg	19	07	24.7	DS	1.1
		iSg		07	40		
		iSn		07	42.5		
14	CHA	eP	19	07	55		
14	POO	eP	19	26	46		
14	Epc: 10.2°S, 161.7°E SOLOMON ISLANDS - H = 19h 17m 18.9s (USCGS) Depth = 55 Kms. Mag. = 4.7 (CGS)						
	SHL	eP	19	29	03		
14	PBA	ePg	20	34	45.2		0.3
		iSg		34	49.2		
14	Epc: 23.5°S, 70.2°W - H = 20h 32m 39.3s (USCGS) Depth = 38 Kms. Mag. = 4.8 NEAR COAST OF NORTHERN CHILE						
	KOD	ePKP	20	52	20		
	NDI	ePKP$_1$	20	52	28		
		PKP$_2$		52	44		
		i		52	51		
14	NDI	e	21	45	45		
14	SHL	eP	22	19	25		
14	SHL	iP	23	04	59	C	
15	Epc: 32.0°S, 78.8°E - H = 00h 02m 03.2s Depth = 33 Kms. (USCGS)						
	POO	eP	00	11	00		
	SHL	iP	00	11	59	D	
15	SHL	iP	00	17	58	DNE	
15	POO	eP	00	27	34		
14	POO	ePg	00	35	00		1.1
		eSg		35	15		
		eSn		35	17.5		
15	Epc: 35.6°N, 140.4°E - H = 00h 28m 39.8s (USCGS) Depth = 59 Kms. Mag. = 5.2 NEAR EAST COAST OF HONSHO JAPAN						
	SHL	iP	00	36	30	CSE	
	CHA	eP	00	36	59		
	BOK	iP	00	37	15	CW	
		PPS		44	33		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
15 contd.	NDI	iP	00	37	53.5	CW	53.3
		eS		45	19		
	MDR	eP	00	38	31		60.5
		PPP		42	15		
		eS		46	40		
	KOD	iP	00	38	57.6	CN	
	DDI	e	00	45	15.4		
15	POO	eP	01	04	43		
15	NDI	i	01	54	36		
15	NDI	i	01	55	14		
15	NDI	e	01	58	47		
15	NDI	i	01	58	52		
15	NDI	i	02	16	18		
15	NDI	i	02	16	30		
15	POO	iPg	02	35	57.5	DS	1.1
		eSg		36	13		
		eSn		36	15.5		
	BOM	iPn	02	36	08	D	1.8
		iSn		36	31		
		S*		36	32		
15	POO	ePg	02	39	29.7		1.1
		eSg		39	45		
		iSn		39	47.3		
15	KOD	iP	04	06	21.0	DSW	
15	NDI	e	04	18	25		
		i		18	45		
15	BOM	ePg	04	22	28.2		0.14
		eSg		22	31		
15	KOD	iP	04	24	04.0	DW	
		i		24	28		
15	NDI	i	04	27	52		
		i		27	58		
15	KOD	iP	04	39	13.0	DSW	
15	KOD	eP	05	02	26.2	DSW	
15	KOD	eP	06	01	29.5	DSE	
15	Epc: 06.3°S, 103.8°E - H 06h 29m 59.6s (USCGS) Depth = 65 Kms. Mag. = 4.8 (CGS) SOUTH WEST OF SUMATRA						
	CHA	iP	06	37	03.0		
	NDI	iP	06	37	56.4	C	
		pP		38	11		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
15	POO	iPg	07	34	03.0		1.1
		iSg		34	17.5		
		eSn		34	20		
	BOM	iPn	07	34	13	D	1.8
		iSn		34	36		
	KOD	eP	07	37	42.0	DW	
15	POO	ePg	07	42	23.5		
15	BOK	e	07	48	45		
15	Epc: 28.3°N, 139.6°E BONIN ISLANDS - H 08h 04m 04.4s (USCGS) Depth = 438 Kms. Mag. = 4.8						
	SHL	iP	08	11	20	DNE	
	CHA	iP	08	11	51.4	D	
	NDI	iP	08	12	49.0	SW	
	POO	eP	08	13	32		
	KOD	iP	08	13	34.0	DSE	
	NDI	e	08	14	05		
		i		14	23		
15	NDI	i	08	22	48		
15	BOK	e	08	39	38		
15	POO	iPg	09	15	54.2	D	1.1
		iSg		16	09.5		
		iSn		16	12.0		
	BOM	iPn	09	16	06.5	C	1.7
		iSn		16	29.5		
	KOD	eP	09	19	32.1		
15	POO	eP	09	32	23		
15	POO	iPg	09	35	21.4	DS	1.1
		iSg		35	36.0		
		eSn		35	38		
	BOM	iPn	09	35	33	D	1.7
		iSn		35	55		
15	Epc: 27.4°N, 91.8°E - H = 10h 32m 48.7s Depth = 57 Kms. (USCGS) Mag. = 5.8 BHUTAN						
	SHL	iP	10	33	15	DN	1.8
		iS		33	37		
	CHA	iP	10	33	52		4.4
		eS		34	43	M = 6½	
		i		35	00		
	BOK	iP	10	34	19	DNE	6.2
		pP		34	24		
15 contd.	BOK	PPP		34	32		
		iS		35	30		
		SS		35	43		
	DDI	eP	10	35	41		11.7
		eS		37	51		
	VIS	iP	10	35	36	CW	12.0
		iS		37	49		
	NDI	iP	10	35	47.0	D	12.4
		PP		35	53	M = 6.0	
		iS		38	04		
	SEH	iP	10	36	00		13.6
		iS		38	31		
	BHK	eP	10	36	02		13.8
		eS		38	35		
	PBA	eP	10	36	22		16.7
		i		36	24		
		iS		39	25		
	MDR	iP	10	36	52	D	17.9
		PP		37	04		
		i		40	00		
		iS		40	07		
		SS		40	34		
		SSS		40	51		
	POO	eP	10	37	02		18.2
		iS		40	20		
		SS		40	40		
	BOM	iP	10	37	13	CSW	19.2
		i		37	16		
		eS		40	41		
		SS		41	05		
15	GOA	iP	10	37	25	DNE	22.0
		PP		37	42		
		PPP		37	56		
		eS		41	18		
		SS		41	54		
		SSS		42	11		
	KOD	iP	10	37	37.5	DNE	22.5
		iS		41	35		
15	CHA	iP	11	47	04	C	4.5
		eS		47	58		
15	POO	ePg	11	54	59		1.1
		eSg		55	14		
		eSn		55	16.7		
15	SHL	eP	11	55	10		
	CHA	eP	11	56	00		4.8
		eS		56	57		
15	POO	ePg	13	27	41		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
15	NDI	i	13	29	16	
15	NDI	i	13	29	34	
		i		29	37	
15	NDI	i	13	31	45	
		i		31	49	
15	SHL	iP	16	00	03	
15	POO	ePg	17	13	26	1.1
		eSg		13	41	
		eSn		13	43	
15	EPc: 0.1°S, 124.3°E					
	- H = 17h 40m 16.7s (USCGS)					
	Depth = 77 Kms.					
	MOLUCCA SEA					
	SHL	iP	17	47	49	D
15	Epc: 31.6°S, 69.4°W					
	- H = 17h 52m 02.3s (USCGS)					
	Depth = 118 Kms.					
	Mag. = 4.7 (CGS)					
	SAN JAUN PROVINCE ARGENTINA					
	NDI	ePKP	18	11	42	
		e		12	14	
15	Epc: 1.6°N, 127.1°E					
	- H = 19h 15m 53.8s (USCGS)					
	Depth = 119 Kms.					
	Mag. = 5.5					
	SHL	iP	19	23	31	D
	CHA	iP	19	24	06	
	NDI	iP	19	25	11.2	DW
	POO	iP	19	25	14.0	C
15	Epc: 24.1°N, 120.7°E TAIWAN					
	- H = 23h 57m 30.1s (USCGS)					
	Depth = 50 Kms.					
	Mag. = 5.0 (CGS)					
	SHL	iP	00	03	01	D
	CHA	iP	00	03	41	D
	NDI	eP	00	04	53	D
	POO	iP	00	05	34.0	D
	BOK	e	00	09	03	
16	POO	ePg	02	45	34	1.1
		iSg		45	49	
		iSn		45	51.5	
16	NDI	i	03	04	47	
16	Epc: 02.0°S, 128.9°E					
	- H = 03h 40m 55.3s (USCGS)					
	Depth 50 Kms.					
	Mag. = 5.4					
	CERAM SEA					
	SHL	iP	03	49	10	DE
	BOK	eP	03	49	40	49.7
		iS		56	44	
	CHA	iP	03	49	44	
	KOD	iP	03	50	21.4	DE
	POO	eP	03	50	41	
	NDI	eP	03	50	45	
16	Epc: 50.0°N, 77.8°E					
	- H = 04h 03m 58.0s (USCGS)					
	Depth = 00					
	Mag. = 5.3					
	NDI	iP	04	08	46.5	CS
	CHA	iP	04	09	20	
	SHL	iP	04	09	39	C
	POO	iP	04	10	23.3	CS
	KOD	iP	04	11	33.5	
16	NDI	e	04	35	39	
16	SHL	iPg	05	18	50	DW 1.68
		iSg		19	12	
		i		19	25	
	CHA	iP	05	19	40	4.6
		eS		20	35	
	BOK	eP	05	20	08	6.9
		iS		21	28	
	NDI	e	05	21	39	
		iS		23	42	
		i		23	54	
	POO	e	05	26	58	
16	BOK	e	07	16	10	
16	BOK	e	07	30	35	
16	BOK	e	07	43	26	
16	Epc: 52.0°N, 176.4°W					
	- H = 08h 31m 58.4s (USCGS)					
	Depth = 65 Kms.					
	Mag. = 5.4					
	ALEUTIAN ISLANDS					

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
16	SHL	iP	08	43	13	NE	
	CHA	iP	08	43	25	D	
	NDI	eP	08	43	46		
	P00	iP	08	44	39.0	NE	
16	BOK	ePg	09	47	43.8	.08	
		iSg		47	44.8	Mag. = 2.1	
16	NDI	ePn	10	11	17.8	3.2	
		iPg		11	29.1		
		iSn		11	57.8		
		iSg		12	10.7		
	CHA	eP	10	13	06		
	P00	eS	10	15	36		
16	SHL	iP	10	50	56	DNE	
16	NDI	e	14	02	56		
16	NDI	i	14	03	13		
		e		03	16		
16	NDI	i	14	05	07		
16	SHL	iP	14	14	14	CNW	
	CHA	iP	14	15	13	C	
	NDI	eP	14	17	13		
16	NDI	eP	14	20	22		
16	Epc: 15.7°S, 167.3°E - H = 15h 11m 15.5s (USCGS) Depth = 65 Kms. Mag. = 4.6 (CGS) NEW HEBRIDES ISLANDS						
	SHL	iP	15	23	41	C	
16	SHL	iP	15	53	07	DSE 3.0	
		eS		53	44		
	CHA	iP	15	54	03	C	
16	Epc: 10.1°S, 161.2°E -H = 19h 12m 13.6s (USCGS) Depth = 31 Kms. Mag. = 5.3 (CGS) SOLOMON ISLANDS						
	SHL	iP	19	24	00	C	
	KOD	eP	19	24	52	C	
16	P00	ePg	21	26	29	1.1	
		eSg		26	44		
16	SHL	ePg	21	37	43	1.4	
		eSg		38	03		
16	PBA	ePg	22	08	40.4	0.7	
		iSg		08	49.4		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
16	P00	ePg	23	52	54	1.1	
		eSg		53	09		
17	Epc: 27.5°N, 142.4°E - H = 01h 09m 08.4s (CGS) Depth = 33 Kms. Mag. = 4.8 BONIW ISLANDS						
	NDI	iP	01	18	53.5	D	
	P00	eP	01	19	36		
	NDI	eP	05	45	29		
17	NDI	i	05	49	39		
17	Epc: 06.2°S, 130.3°E BANDA SEA - H = 06h 19m 49.0s (USCGS) Depth 90 Kms. Mag. = 5.0 (CGS)						
17	NDI	iP	06	50	52		
17	NDI	e	06	54	28		
17	NDI	i	06	59	57		
17	NDI	i	07	03	09		
17	Epc: 17.2°N, 94.1°W - H = 07h 56m 22.7s (USCGS) Depth = 45 Kms. Mag. = 5.2 (CGS) CHIPAS MAXICO						
	SHL	iPKP	08	15	33		
	NDI	iPKP	08	15	36		
	MDR	ePKP	08	16	10		
	PBA	ePKP	08	16	12		
	KOD	iPKP	08	16	14.7	DN	
17	NDI	i	08	53	19		
17	NDI	iP	08	58	37		
17	Epc: 02.3°N, 128.7°E - H = 08h 58m 16.2s (USCGS) Depth = 153 Kms. Mag. = 4.9 (CGS) HALMAHERA						
	SHL	iP	09	05	56	CSW	
	NDI	eP	09	07	37		
17	Epc: 33.0°N, 142.1°E - H = 09h 47m 14.7s (USCGS) Depth = 33 Kms. Mag. = 4.2 (CGS) OFF EAST COST OF HONSHU (JAPAN)						

DATE	STN	PHASE	H. M. S.		∠ Deg.
	P00	iP	09 57 35.0	C	
17	SHL	eP	11 37 11		
17	DNI	i	12 12 56		
17	SHL	eP	13 20 03		
17	NDI	eP	14 42 48		
17	CHA	eP	14 43 19		
17	PBA	ePg	14 58 33.4		0.2
		eSg	58 35.4		
17	PBA	ePn	17 06 14.4		1.5
		Pg	06 26.4		
		Sn	06 35		
		Sg	06 40		
	CHA	eP	17 09 19		14.6
		eS	11 03		
	SHL	eS	17 10 54		
	P00	eS	17 13 50		
17	SHL	iPg	17 52 38	DSE	0.6
		iSg	52 43		
17	Epc: 19.7°S, 67.0°E MID-INDIANRISE H = 21h 34m 38.9s (USCGS) Depth = 33 Kms. Mag. = 4.4 (CGS)				
	SHL	iP	21 43 43	C	
17	NDI	eP	21 59 40		
17	BOM	ePg	23 12 22		0.1
		i Sg	12 23		
18	Epc: 15.7°N 39.0°E ETHIOPIA H = 02h 02m 59.8s (USCGS) Depth = 33 Km. Mag. = 4.8				
	NDI	iP	02 10 04.0	DSW	
18	NDI	i	02 55 48		
18	SHL	eP	03 20 13		
18	CHA	iPg	04 35 58.0		0.8
		Sg	36 09.0		
18	NDI	i	06 19 20		
18	NDI	i	06 19 44		
18	Epc: 35.9°N, 70.4°E - H = 08m 26m 36.7s (USCGS) Depth = 140 Kms. Mag. = 4.8 (CGS)				

DATE	STN	PHASE	H. M. S.		△ Deg.
18 Contd.	DDI	eP	08 28 37		8.7
		i	29 36.6		
		iS	30 14		
		SS	30 24		
	NDI	iP	08 28 46.4	DNW	8.9
		iS	30 24		
	BHK	e	08 29 26.0		
	CHA	eP	08 30 28		
	P00	eP	08 30 37		
	SHL	eP	08 31 12		
18	BOK	e	09 03 03		
		e	03 13		
18	DDI	eP	10 30 20.5		
		i	33 17.7		
18	DDI	i	10 41 40.4		
		i	44 27.0		
18	NDI	i	12 08 16		
18	SHL	eP	13 19 57		
18	KOD	iP	15 08 01.0	DW	
		e	08 01.5		
18	Epc: 07.0°S, 129.6°E BANDA SEA H = 15h 13m 39.7s (USCGS) Depth = 113 Km. Mag. = 5.0 (CGS)				
	SHL	iP	15 22 15	CW	
	MDR	eP	15 22 47		
	P00	eP	15 23 38		
	NDI	iP	15 23 46.0		
18	Epc: 0.59°S, 146.6°E - H = 15h 33m 06.5s (USCGS) Depth = 39Km. Mag. = 5.5 (CGS) EAST NEW GUINEA				
	PBA	eP	15 42 47		
	SHL	iP	15 43 23	SE	61.3
		eS	51 40		
		PS	52 03		
	CHA	iP	15 43 53	D	66.2
		eS	52 38		
	BOK	iP	15 43 54	CW	66.5
		iS	52 41		
	VIS	eP	15 43 58		66.7
		PP	46 24		
		PPP	48 07		
		eS	52 49		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
18 contd.	MDR	eP	15	44	08		69.5
		PcP		44	18		
		PS		53	28		
		SKS		54	05		
		i		54	15		
	KOD	iP	15	44	22.5	CNW	71.2
		iS		53	36		
	NDI	iP	15	44	44.2	C	75.0
		eS		54	18		
	POO	eP	15	44	49		75.7
		eS		54	28		
	BOM	eP	15	44	55		76.2
		e		47	25		
		PP		47	46		
		eS		54	36		
18	NDI	e	16	12	18		
18	SHL	eP	16	12	18		
	CHA	e	16	12	22		
	MDR	eP	16	12	24		
18	POO	eP	18	30	10		
18	SHL	iP	19	16	51	D	
18	NDI	eP	19	55	00		8.5
		eS		56	38		
18	NDI	i	19	59	16		
19	NDI	i	00	47	17		
19	NDI	i	01	45	47		
19	NDI	i	02	29	21		
19	NDI	i	02	31	22		
19	NDI	i	02	31	55		
19	NDI	i	02	46	08		
		i		46	11		
		i		46	16		
19	NDI	i	02	47	30		
19	NDI	i	03	03	07		
19	Epc: 37.3°N, 141.7°E - H = 03h 28m 57.4s(USCGS) Depth = 53 Kms. Mag. = 4.9 (CGS) NEAR EAST COAST OF HONSHU JAPAN						
	CHA	iP	03	37	25	D	
	NDI	iP	03	38	16.5	D	
		i		38	27		
	POO	eP	03	39	11		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
19	BOM	ePg	06	01	21		0.1
		eSg		01	22		
19	SHL	iPn	06	29	43	CW	3.0
		eSn		30	20		
	CHA	eP	06	30	44		7.1
		e(S)		32	06		
19	Epc: 07.4°S, 130.7°E - H = 07h 15m 28.9s (USCGS) Depth = 196 Kms. TANIMBAR ISLANDS						
	NDI	iP	07	25	20		
19	NDI	iPg	07	31	57.4	CNE	0.22
		iSg		32	00.4	Mag.=	2.0
19	BOK	e	07	55	21		
19	BOK	e	07	58	18		
19	BOK	e	08	22	02		
19	Epc: 43.0°N, 145.2°E - H = 10h 56m 08.6s (USCGS) Depth = 84 Kms. Mag. = 5.9 (CGS)						
	SHL	iP	11	04	30	DNE	46.3
		iS		11	10		
	CHA	iP	11	04	53	D	49.6
		i		06	37		
		S		11	53		
	BOK	iP	11	05	12	D	52.3
		pP		05	31		
		iS		12	28		
		PS		12	37		
		PPS		12	43		
		SCS		14	51		
		SS		15	57		
		SSS		17	34		
	DDI	iP	11	05	27.6	D	53.6
		PP		07	35		
		PPP		08	26		
		iS		12	52		
		SS		16	26		
		SSS		17	30		
	PBA	iP	11	05	35	DN	55.1
		iS		13	10		
	NDI	iP	11	05	37.7	DNE	55.7
		pP		05	58		
		PCP		06	42		
		PP		07	52		
		iS		13	14		
		SCS		15	14		
		i		16	00		
		SS		17	04		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
	VIS	eP	11	05	52		57.6
		eS		13	42		
		ePS		14	02		
		ePPS		14	09		
	MDR	eP	11	06	28		63.5
		PCP		07	03		
		eS		14	53		
		SCS		16	10		
		e		16	52		
	POO	iP	11	06	35.5	D	64.2
		iS		15	04		
		PPS		15	44		
		SS		19	18		
	BOM	iP	11	06	36.0		65.0
		PP		06	56		
		eS		15	09		
		SKS		16	24		
	GOA	eP	11	06	49		66.2
		PP		09	14		
		PPP		10	47		
		iS		15	29		
		SP		15	48		
		SCS		16	29		
	KOD	iP	11	06	54.5		67.5
		eS		15	42		
19	CAL	iS	11	12	13		
19	BOM	ePg	12	32	26		0.1
		eSg			27		
19	Epc: 57.8°S, 23.4°W - H = 12h 45m 35.3s (USCGS) Depth = 33 Km. Mag. = 5.7 (CGS) SOUTH SANDWICH ISLANDS						
	POO	ePKP	13	04	04		
	NDI	iPKP	13	04	21		
		pPKP		04	32		
	CHA	iPKP	13	04	30	C	
	SHL	iPKP	13	04	33	C	
19	NDI	i	13	32	34		
19	NDI	ePn	14	34	36		1.5
		iSn		34	56.5		
19	NDI	eP	14	40	44		8.7
		eS		42	24		
19	CHA	iPg	16	17	28.0	D	1.2
		Sg		17	44.0		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
19	Epc: 01.6°S, 100.5°E -H = 19h 01m 47.5s (USCGS) Depth = 83 Kms. Mag. = 5.0 (CGS) SOUTHERN SUMATRA						
	MDR	eP	19	07	04		25.7
		eS		11	23		
	KOD	iP	19	07	13.8	DS	
	SHL	iP	19	07	33	CN	
	BOK	iP	19	07	41		29.7
		iS		12	29		
	CHA	iP	19	08	00	C	
	POO	eP	19	08	15.5		
	BOM	eP	19	08	24		
	NDI	eP	19	08	53		37.9
		eS		14	38		
19	Epc: 36.3°S, 52.2°E - H = 19h 28m 45.2s (USCGS) Depth = 33 Kms. Mag. = 5.4 (CGS) ATLANTIC-INDIA RISE						
	POO	eP	19	38	34		
	CHA	eP	19	39	49		
	SHL	iP	19	40	07	C	
19	NDI	i	20	52	46		
19	SHL	iPg	21	55	40	DSW	0.8
		eSg		55	51		
	CHA	eP	21	56	54		
19	NDI	eP	23	15	53		
19	SHL	iP	23	16	35	C	
19	NDI	iPn	23	34	25.3	C	2.15
		iSn		34	53.0		
20	Epc: 36.0°N, 139.9°E - H = 00h 32m 44.3s (USCGS) Depth = 94 Kms. Mag. = 4.9 (CGS) HONSHU, JAPAN						
	SHL	eP	00	40	29		
	CHA	iP	00	40	58	D	
	NDI	eP	00	41	51		
	POO	iP	00	42	43.7	C	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
20	BOM	eP	00	42	49	
contd.	KOD	iP	00	42	56.2 D	
20	NDI	i	01	38	35	
20	Epc: 24.5°N, 122.2°E - H = 01h 31m 40.3s (USCGS) Depth = 104 Kms. Mag. = 4.8 (CGS) TAIWAN					
	SHL	iP	01	37	21 DSE	
20	NDI	iP	01	39	11	
20	NDI	i	02	23	42	
		e		23	45	
20	SHL	ePg	03	51	19	
		eSg		51	35	
20	SHL	eP	04	15	05	
20	CHA.	iP	04	15	52	8.0
		eS		17	24	
20	NDI	i	04	31	38	
20	NDI	i	04	49	07	
		i		49	20	
20	NDI	e	07	57	09	
		i		57	22	
20	NDI	e	08	04	24	
		i		04	32	
20	BOK	e	08	31	38	
		e		31	39	
20	Epc: 49.8°S, 163.4°E AUCKLAND ISLANDS - H = 09h 39m 15.2s (USCGS) Depth = 30 Kms. Mag. = 6.1 (CGS)					
	PBA	iP	09	51	59 CS	89.4
		iS	10	02	45	
	KOD	iP	09	52	40.5 D	97.6
		e		52	48	
		SKS	10	03	22	
		iS		04	00	
		SP		05	22	
		PPS		06	24	
		i		10	00	
		i		14	02	
	VIS	eP	09	52	49	
		PP		56	48	
		i	10	03	29	
		SS		11	03	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
20	SHL	eP	09	52	50	98.2
contd.		PP		56	57	
		SKS	10	03	24	
		eS		04	12	
		SS		11	03	
	MDR	eP	09	52	54	98.4
		i		56	30	
		PPP		58	54	
		i	10	03	18	
		eS		04	16	
		SP		05	24	
		i		05	58	
		i		10	44	
	BOK	iP	09	53	02 D	101.7
		PP		57	20	
		SKS	10	03	44	
		iS		04	37	
		i		05	54	
	CHA	eP	09	53	16	
		PP		57	23	
		SKS	10	03	51	
	NDI	eP	09	53	19	106.0
		e		53	42	
		PP		57	36	
		i		58	15	
		i	10	00	20	
		SKS		04	14	
		S		05	12	
		PS		07	36	
		SSP		13	18	
		i		13	40	
		i		17	56	
	BOM	eP	09	53	21	107.5
		PP		57	48	
		e	10	04	03	
		S		05	18	
		e		07	25	
		SS		13	08	
	POO	iP	09	53	15.5 D	103.4
		i		53	24	
		PP		57	34	
		PPP	10	00	00	
		SKS		03	53	
		e		05	06	
		PS		06	47	
		SPP		07	28	
		SS		12	16	
		SSP		12	27	
		SSS		16	06	
20	CAL	i	10	03	33 NW	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
20	SHL	iP	10	14	30	C	
20	Epc: 49.8°S, 163.4°E - H = 10h 30m 53.4s (USCGS) Depth = 19 Kms. Mag. = 5.8 (CGS)						
	PBA	iP	10	43	39.5	D	
20	NDI	e	11	00	42		
20	AUCKLAND ISLAND Epc: 49.8°S, 163.8°E - H = 12h 06m 52.7s (USCGS) Depth = 32 Kms. Mag. = 5.2 (CGS)						
	SHL	iP	12	20	32	D	
20	POO	ePg	13	25	37.5		1.1
		iSg		25	53		
		iSn		25	50		
	BOM	ePn	13	25	48		1.6
		P*		25	49		
		iSn		26	10		
		Sg		26	11		
20	SHL	ePg	15	54	28		0.9
		eSg		54	41		
20	CHA	ePg	16	08	21		
20	SOUTH OF MARIANA ISLANDS Epc: 13.7°N, 146.0°E - H = 18h 22m 52.9s (USCGS) Depth = 70 Kms. Mag. = 4.3 (CGS)						
	NDI	eP	18	33	28		
20	Epc: 32.6°N, 76.1°E - H = 20h 25m 05.6s (USCGS) Depth = 59 Kms. KASHMIR-INDIA						
	BHK	iPn	20	25	36.6		1.94
		iSn		25	59.8		
	DDI	eP	20	25	59.5		3.15
		iS		26	36.5		
	NDI	iPn	20	26	13.5	DN	4.1
		Pg		26	28.6	Mag.=4.1	
		iSn		27	01.2		
		iSg		27	17.0		
	CHA	eP	20	27	57		10.9
		eS		29	58		
	POO	eP	20	28	27		
		PP		28	39		
		i		31	24		
20 contd.	SHL	eP	20	28	41		
	KOD	eP	20	30	05		23.5
		eS		34	10		
		i		36	51		
	BOM	e	20	31	51		
		e		32	24		
20	Epc: 48.1°N, 102.8°E MONGOLIA - H = 21h 40m 23.3s (USCGS) Depth = 33 Kms. Mag. = 4.5 (CGS)						
	SHL	iP	21	45	37	D	
	CHA	iP	21	45	45	C	
21	BHK	eP	01	03	40.3		
		e		04	10.2		
	NDI	eP	01	04	16		4.4
		iS		05	09		
		i		05	30		
21	NDI	i	01	46	09		
21	NDI	i	01	51	17		
		i		51	55		
21	SHL	iPg	02	57	35	CN	1.3
		iSg		57	53		
21	NDI	i	06	46	20		
21	NDI	ePn	07	15	24.5		6.4
		eSn		16	39		
		S*		16	59		
		Sg		17	20		
	POO	eP	07	17	27		
		i		18	33		
21	BOK	e	07	20	15		
21	CHA	eP	07	20	24		
21	BOK	e	07	55	39		
21	KOD	i	08	16	40.0		
21	CHA	iP	08	19	30		
21	BOK	e	08	26	10		
21	SHL	ePn	10	40	44		2.6
		eSn		41	17		
21	BOK	e	10	50	41		
21	SHL	iP	12	04	21	CE	
21	NDI	i	12	41	57		
21	SHL	iP	13	10	44	CSW	

DATE	STN	PHASE	H. M. S.		Δ Deg.
21	NDI	eP	14 10 06		
21	SHL	eP	21 01 29		
21	NDI	i	22 32 00		
		i	32 03		
22	SHL	iPg	01 45 51	CE	0.9
		iSg	46 02		
22	NDI	i	02 16 04		
22	NDI	i	02 31 19		
22	POO	iPg	03 21 40.0	DS	1.1
		eSg	21 54.5		
	BOM	iSg	03 22 13	D	
22	Epc: 50.0°N, 77.6°E - H = 05h 03m 57.9s (USCGS) Depth = 00 Kms. Mag. = 5.3 (CGS) EASTERN KAZAKH SSR				
	NDI	iP	05 08 46.5	CS	
			Nuclear Explosion.		
	SHL	iP	05 09 39	CS	
	POO	eP	05 10 23		
	KOD	iP	05 11 32.4	CS	
22	CHA	iP	05 19 19		
	KOD	iP	05 20 33.8	CNW	
22	BOK	ePg	05 23 15		
		eSg	23 16		
22	KOD	eP	05 47 29.0	DSW	
22	SHL	eP	07 00 17		2.7
		eS	00 51		
22	Epc: 00.7°S, 20.1°W - H = 08h 08m 04.3s (USCGS) Depth = 33 Kms. Mag. = 5.3				
	NDI	eP	08 21 32		
22	BOK	e	08 31 30		
22	Epc: 44.5°N, 149.4°E - H = 10h 17m 59.9s(USCGS) Depth = 60 Kms. Mag. = 5.6 (CGS) KURILE ISLANDS				
	SHL	iP	10 26 48	CSW	50.3
		iPP	28 44		
		iS	33 54		
		ePS	34 06		
		eSSS	39 06		

DATE	STN	PHASE	H. M. S.		Δ Deg.
22 contd.	CHA	iP	10 27 09	C	53.8
		S	34 36		
	BOK	iP	10 27 29	CSW	56.0
		PPP	30 45		
		iS	35 10		
		SP	35 25		
		SCS	37 14		
	DDI	eP	10 27 41		57.2
		iS	35 30.		
	NDI	iP	10 27 51.0	CSW	58.8
		PCP	28 40		
		PP	30 08		
		iS	35 50		
		SP	36 07		
		SPP	36 14		
		SCS	37 32		
		SS	39 40		
		SSS	42 16		
	VIS	eP	10 28 14		61.2
		PS	36 28		
	HYD	eP	10 28 37		65.0
		iS	37 13		
		PS	37 37		
		i	41 40		
	MDR	eP	10 28 43		67.0
		pP	28 59		
		PCP	29 13		
		eS	37 33		
		PS	37 52		
		PPS	38 10		
	POO	iP	10 28 49.2	C	67.7
		iS	37 40		
		SS	42 14		
	BOM	iP	10 28 53	N	68.3
		i	31 22		
		iS	37 48		
		SCS	38 47		
	KOD	iP	10 29 08.0	DNE	70.8
		iS	38 16		
		e	38 20.0		
22	NDI	i	11 10 21.5		
22	NDI	eP	11 29 14		
22	SHL	iP	12 14 02	CNW	
22	Epc: 44.4°N, 149.4°E - H = 12h 34m 51.6s (USCGS) Depth = 51 Kms. Mag. = 4.8 (CGS) KURILE ISLANDS				

DATE	STN	PHASE	H.	M.	S.		△ Deg.
22 contd	SHL	iP	12	43	41	CW	
	CHA	iP	12	44	04	D	
	NDI	iP	12	44	44.0	CS	
	POO	iP	12	45	42.1	C	
	KOD	iP	12	46	01.0	DE	
22	POO	iPg	13	50	15.6	DS	1.1
		eSg		50	31		
	BOM	ePn	13	50	25		1.7
		Pg		50	28		
		iSn		50	48		
22	KOD	eP	13	53	38		
		i		53	54		
22	NDI	iP	14	41	42.0	DNW	
22	POO	ePg	15	01	23		1.1
		iSg		01	37.5		
		iSn		01	40		
22	CHA	iPn	15	46	04.8	D	1.27
		i		46	14.2	M=3¾	
		Sg		46	21.8		
	SHL	iP	15	46	41	DS	3.8
		eS		47	27		
22	NDI	e	15	49	33		
22	NDI	eP	16	11	52		
22	NDI	eP	17	34	28		10.7
		eS		36	30		
22	NDI	i	18	49	59		
22	NDI	i	18	52	55		
22	SHL	iP	18	58	09	CSE	
22	CHA	eP	18	58	31		
		i	19	00	56		
22	BOK	e	18	59	10		
22	NDI	e	19	00	05		
22	NDI	i	19	04	28.6		
22	BOM	e	19	09	20		
		e		10	51		
22	Epc: 31.9°N, 94.6°E - H = 20h 09m 13.3s (USCGS) Depth = 33 Kms. TIBET						
	SHL	iPn	20	10	52	CSW	6.8
		Sg		12	53		
	CHA	eP	20	11	14		8.5
		eS		12	50		
		i		14	32		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
22 contd.	BOK	eP	20	11	51		
		i		15	12		
	NDI	eP	20	12	44		
	MDR	eP	20	14	08		
		e		14	21		
	POO	eP	20	14	16		
20	BOM	e	20	21	52		
22	Epc: 04.6°S, 153.0°E - H = 20h 48m 26.7s (USCGS) Depth = 76 Kms. Mag. = 5.0 (CGS) NEAR IRELAND						
	SHL	iP	20	59	10	DE	
	CHA	iP	20	59	38	D	
	NDI	eP	21	00	27		
22	Epc: 36.2°N, 71.4°E AFGHANISTAN-USSR BORDER - H = 22h 11m 48.3s (USCGS) Depth = 127 Kms. Mag. = 4.7 (CGS)						
	BHK	eP	22	13	22.0		6.2
		eS		14	32.0		
	NDI	eP	22	13	53.5	N	8.62
		i		13	57		
		iS		15	29.5		
	CHA	eP	22	15	32		15.9
		eS		18	24		
	POO	eP	22	15	51		
	SHL	iP	22	16	19	C	
23	NDI	i	01	52	33		
23	NDI	i	01	53	54		
23	NDI	i	01	57	20		
23	Epc: 14.7°N, 146.0°E - H = 01h 55m 45.8s (USCGS) Depth = 110 Kms. Mag. = 4.7 (CGS) MARIANA ISLANDS						
	CHA	iP	02	05	22	D	
	NDI	eP	02	06	19		
23	BOM	e	03	53	38		
23	DDI	e	06	12	54.3		
23	Epc: 21.8°S, 179.7°W - H = 06h 56m 43.6s (USCGS) Depth = 595 Kms.,Mag.= 5.4(CGS) FIJI ISLANDS						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
23 contd.	SHL	eP	07	12	24		
	NDI	iPKP	07	14	11	11.8	
		PP		15	05		
		i		16	51		
	KOD	ePKP	07	14	21	D	
	POO	ePKP	07	14	42		
23	BOK	i	07	19	21		
23	MDR	e	07	26	13		
23	HYD	e	07	26	25		
23	BOM	e	07	29	36		
23	BOK	e	08	10	41		
23	NDI	i	08	23	11		
		i		23	13		
23	NDI	i	08	23	43		
23	Epc: 51.6°N, 172.7°E - H = 09h 13m 12.3s (USCGS) Depth = 45 Kms. Mag. = 4.8 (CGS) NEAR ISLANDS,ALEUTION ISLANDS						
	NDI	eP	09	24	26		
23	BOK	e	10	08	02		
23	NDI	i	10	52	31		
23	NDI	iPn	11	20	37	C	1.8
		eSn		21	01		
23	NDI	ePn	12	55	27		4.6
		PP		55	23	M=4.1	
		Pg		55	50		
		iSn		56	21.6		
		S*		56	38		
		Sg		56	52.5		
	DDI	e	12	55	51.5		
		i		57	47.5		
	POO	eP	12	56	20		
	BOK	e	12	59	41		
	CHA	eP	12	59	55		
	KOD	e	13	03	14.5		
23	NDI	i	17	47	27		
		i		47	42		
23	SHL	iP	21	09	19	CS	
24	NDI	iP	00	34	25	CNW	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.		
24	Epc: 04.6°N, 128.6°E - H = 00h 57m 09.7s (USCGS) Depth = 33 Kms. Mag. = 5.3 (CGS) NORTH OF HALMASHERA							
	SHL	iP	01	04	52		DSE	
	CHA	iP	01	05	28		D	
	KOD	iP	01	06	11.5		NW	
	NDI	iP	01	06	34.2		DE	
	POO	iP	01	06	42.0		DE	
24	SHL	ePn	01	08	53			01.7
		iSn		09	16			
24	NDI	i	01	50	35			
24	NDI	i	01	51	56			
24	NDI	i	01	52	33			
24	NDI	i	02	03	35			
		i		03	40			
		i		03	44			
24	SHL	iP	05	47	15			
24	Epc: 02.8°N, 128.5°E - H = 06h 10m 16.2s (USCGS) Depth = 226 Kms. Mag. = 5.4 (CGS) HALMAHERA							
	SHL	iP	06	17	47		DSE	
	CHA	iP	06	18	22			
	BOK	iP	06	18	23			
	VIS	eP	06	18	28			
	MDR	eP	06	18	41			49.6
		eS		25	31			
	KOD	iP	06	18	59.0		NW	
	DDI	iP	06	19	26.3		D	
		i		20	22.0			
	NDI	iP	06	19	26.6		DSE	54.8
		eS		26	49			
	POO	iP	06	19	31.0		DE	
24	BOK	e	07	12	45			
24	Epc: 06.2°S, 146.9°E - H = 07h 42m 36.4s (USCGS) Depth = 84 Kms. Mag. = 5.1 (CGS) EAST NEW GUINEA							

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
24 ctd.	SHL	iP	07	58	51	C	
	CHA	iP	07	59	24	C	
	KOD	iP	07	59	56.0	C	
	NDI	eP	08	00	13		
	POO	eP	08	00	20		
24	BOK	ePg	07	59	50		
				59	51		
24	CHA	iP	08	04	23		3.0
		S		05	00	M=5.0	
	SHL	iP	08	05	19	CW	
	BOK	e	08	06	13		
	NDI	eP	08	06	09		10.7
		e		06	32		
		iS		08	11.0		
		i		08	15.		
24	POO	ePg	08	16	22		1.1
		iSg		16	37.5		
		eSn		16	40		
	BOM	e	08	16	33		
24	BOM	e	09	19	39		
24	DDI	e	10	21	17.6		
		i		22	54.6		
24	NDI	iP	10	21	24.5	DN	8.8
		iS		23	06.0		
24	Epc: 30.5°N, 142.5°E SOUTH OF HONSHU, JAPAN - H = 11h 58m 56.9s (USCGS) Depth = 33 Kms. Mag. = 4.4 (CGS)						
	NDI	eP	12	08	14		
24	POO	ePg	12	41	58		
		eSg		42	12		
24	SHL	iP	15	07	54	DSW	
24	NDI	eP	16	08	38		
24	SHL	eP	16	55	05		
24	NDI	i	17	17	50		
		i		17	55		
24	NDI	e	17	18	33		
		e		18	37		
24	NDI	i	17	18	55		
24	NDI	eP	18	33	52		
24	DDI	e	18	49	26.7		
		i		51	02.0		
24	NDI	eP	18	51	24		
24	SHL	iPg	19	56	13	CE	0.3
		eSg		56	17		
24	Epc: 27.6°N, 141.5°E BONIN ISLANDS -H = 20h 17m 49.4s (USCGS) Depth = 33 Kms. Mag. = 4.5						
	SHL	eP	20	25	53		
	NDI	eP	20	27	40		
24	CHA	iP	20	40	29	C	
24	SHL	eP	21	45	02		1.9
		iS		45	27		
24	NDI	e	22	45	32		
25	NDI	eP	02	11	47		
		S		13	08		
25	Epc: 15.9°S, 75.2°W - H = 04h 03m 50.1s (USCGS) Depth = 33 Kms. Mag. = 4.7 (CGS)						
	NDI	iPKP	04	23	44.5	D	
	DDI	iPKP	04	23	44.8	D	
25	BOK	e	07	59	13		
25	BOK	e	08	02	38		
		e		02	41		
25	Epc: 17.0°N, 145.4°E - H = 09h 11m 37.7s (USCGS) Depth = 252 Kms. Mag. = 5.1 (CGS) MARIANA ISLANDS.						
	SHL	iP	09	20	13	DE	
	CHA	iP	09	20	45	D?	
	BOK	eP	09	20	54		
	DDI	iP	09	21	37.0	D	
	NDI	iP	09	21	41.7	DSE	
	POO	iP	09	22	11.0	DE	
	BOM	eP	09	22	17		
25	BOK	e	10	29	10		
25	NDI	i	12	38	20		
25	Epc: 03.6°N, 126.6°E - H = 13h 03m 06.9s (USCGS) Depth = 78 Kms. Mag. = 5.3 (CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
25 contd.	SHL	iP	13	10	35		CNW
	CHA	iP	13	11	11		D
	NDI	iP	13	12	17.0		C
	DDI	iP	13	12	17.2		C
	POO	iP	13	12	22.0		DE
25	NDI	i	14	00	27		
25	BOK	i	15	32	09		
25	Epc: 03.2°N, 125.2°E TALAUD ISLANDS - H = 17h 03m 54.2s (USCGS) Depth = 116 Kms. Mag. = 5.3 (CGS)						
	SHL	iP	17	11	13		NW
	CHA	iP	17	11	52		D
	NDI	iP i	17	12 14	55.2 05		C
	DDI	iP	17	12	55.8		C
	POO	iP	17	12	58.5		C
25	SHL	iPn eSn	21	03 03	15 55		CSE 3.0
	CHA	iPn eSn	21	04 05	12.0 39.0	D	7.5
25	DDI	eP i e	23	25 25 25	10.7 23.2 45.4		
25	POO	eP i	23	30 31	31 51		
26	NDI	i i i	02	39 40 40	44 13 54		
26	NDI	i	02	41	09		
26	NDI	i	02	45	51		
26	BOM	e	02	59	53		
26	SHL	iP eS	03	30 31	33 10	D	3.0
26	Epc: 12.2°N, 140.7°E WEST COROLINE ISLANDS - H = 04h 20m 56s(USCGS) Depth = 33 Kms. Mag. = 5.0 (CGS)						
	NDI	iP	04	31	09		C

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
26	Epc: 46.9°N, 150.6°E - H = 06h 47m 11.6s (USCGS) Depth = 136 Kms. Mag. = 4.7 (CGS) KURILE ISLANDS						
	SHL	iP	06	55	58		DNE
	CHA	iP	06	56	19		D
26	DDI	iP	06	56	45.1		D
	NDI	iP	06	56	55.5		DNE
	POO	iP	06	57	55.7		DNE
26	NDI	i i	08	16 16	29 38		
26	BOK	e	08	33	27		
26	BOK	e	08	39	13		
26	NDI	i	08	57	01		
26	BOK	e	08	57	52		
26	NDI	e	10	44	53		
26	Epc: 33.6°S, 70.5°W - H = 11h 11m 23.7s (USCGS) Depth = 5.8 (CGS) Mag. = 5.8 (CGS) CHILE-ARGENTINA BORDER						
	POO	ePKP	11	30	52		
	MDR	ePKP	11	30	58		
	NDI	iPKP i	11	31 31	05 10		
	DDI	iPKP e	11	13 13	14.7 24		
	SHL	iPKP	11	31	18	D	
26	Epc: 35.5°N, 140.°E - H = 14h 53m 14.1s(USCGS) Depth = 51 Kms. Mag. = 4.1 (CGS)						
	NDI	eP	15	02	30		
	NDI	i i	15	09 09	16 23		
26	Epc: 30.0°S, 71.5°W - H = 16h 11m 23.9s (USCGS) Depth = 55 Kms. Mag. = 5.7 NEAR COAST OF CENTRAL CHILE.						
	BOM	iPKP e ePP PPS	16	30 34 34 46	59 21 30 54	CE	147.2

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
26 contd.	P00	iPKP	16	31	00.5	C	
		e		34	24		
	MDR	ePKP$_1$	16	31	06		150.4
		ePKP$_2$		31	19		
		PP		34	50		
		SKKS		41	28		
		SKKKS		41	53		
		SKSP		44	56		
		PPS		47	50		
		SS		54	09		
	NDI	iPKP$_1$	16	31	08.8	C	151.5
		PKP$_2$		31	26		
		i		31	38		
		PP		34	58		
		SKKKS		42	10		
		SKSP		45	12		
		i		48	10		
		SS		54	20		
		i		55	30		
	DDI	ePKP$_1$	16	31	10		
		PKP$_2$		31	18.5		
	VIS	ePKP	16	31	14		
		i		35	12		
	BOK	iPKP	16	31	16	C	158.5
		pPKP		31	30		
		PKP$_2$		31	54		
		PP		35	34		
		i		35	52		
		i		46	21		
	PBA	iPKP	16	31	17	DS	
	CHA	iPKP	16	31	21	D	
	SHL	iPKP	16	31	23	C	164.5
		PKP2		32	19		
		PP		36	07		
		i		36	30		
		i		42	40		
26	Epc: 07.1°S, 155.8°E - H = 17h 05m 55.0s (USCGS) Depth = 94 Kms. Mag. = 5.7 (CGS) SOLOMON ISLANDS						
	SHL	iP	17	16	59	CNW	
	CHA	iP	17	17	27	C	
	MDR	eP	17	17	45		
	DDI	iP	17	18	12.9	C	
	NDI	iP	17	18	13.4	CW	
	P00	iP	17	18	20.5	CW	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
26	DDI	eP	20	10	31.4		
26	NDI	eP	22	10	43		8.5
		iS		12	21		
26	SHL	iP	23	16	19		
	CHA	eP	23	17	03		
	BOK	i	23	18	18		
27	SHL	ePg	01	13	39		0.6
		eSg		13	46		
27	NDI	i	01	49	07		
27	NDI	i	01	49	29		
27	NDI	i	01	50	46		
27	NDI	i	02	20	27		
27	NDI	i	02	20	58		
27	NDI	i	02	28	27		
27	NDI	i	02	28	30		
27	NDI	i	02	28	54		
27	NDI	i	02	55	31		
27	NDI	e	03	27	07		
27	NDI	i	05	05	54		
27	SHL	eP	05	54	45		
27	BOM	e	05	59	17		
27	BOM	e	06	03	41		
27	Epc: 07.3°S, 81.3°W OFF COAST OF NORTHERN PERU - H = 06h 02m 39.5s (USCGS) Depth = 37 Kms. Mag. = 5.1 (CGS)						
	NDI	iPKP	06	22	25		
		i		22	30		
	KOD	iPKP	07	05	10.5	DSW	
27	Epc: 34.4°N, 26.6°E CRETE -H = 07h 24m 29.9s (USCGS) Depth = 20 Kms. Mag. = 4.7 (CGS)						
	CHA	eP	07	33	42		
27	BOK	e	08	01	37		
27	Epc: 08.3°S, 123.9°E FLORES ISLANDS - H = 08h 03m 28.2 (USCGS) Depth = 127 Kms. Mag. = 4.7 (CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
27 contd.	NDI	iP	08	13	09		
27	BOK	e	08	18	32		
27	BOK	e	08	19	24		
27	SHL	iP	10	26	43		DSE
27	NDI	i	12	26	02		
		i		26	25		
		i		26	42		
27	BOK	i	14	59	58		
27	CHA	iPg	16	24	18		
27	NDI	e	17	19	31		
27	CHA	iPg	17	34	46.9	2.2	
		ePg		34	46.9		
		Sg		35	16.3		
	SHL	eP	17	35	31		
	BOK	e	17	35	40		
27	NDI	e	22	09	24		
27	NDI	e	23	08	12		
28	NDI	i	01	41	41		
28	SHL	ePg	01	45	23	0.9	
		eSg		45	35		
28	Epc: 42.0°N, 79.5°E ALMA ATA REGION 02h 53m 48.4s (USCGS) Depth 33 Kms. Mag. = 4.8						
	BHK	eP	02	56	26.5	10.6	
		eS		58	25		
	DDI	eP	02	56	35	11.3	
		PP		56	43		
		iS		58	43		
		SS		58	42		
		i		59	09		
	NDI	iP	02	56	57.6	D 12.8	
		iS		59	21		
		SS		59	39		
		SSS		59	45		
	CHA	eP	02	57	54	17.3	
		e	03	00	21		
		iS		01	03		
	SHL	iP	02	58	13	CS	
	POO	eP	02	59	02	24.8	
		eS	03	03	20		
	KOD	iP	03	00	12.3	DNW	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
28	MDR	e	03	05	20		
		e		06	53		
	BOK	eS	03	01	46		
28	Epc: 00.0°N, 123.3°E - H = 02h 59m 59.9s (USCGS) Depth 154 Kms. Mag. = 5.3 (CGS)						
	SHL	iP	03	07	18		DE
	HYD	eP	03	08	30		
	NDI	iP	03	08	58.2		
28	SHL	eP	03	11	58		
28	CHA	iP	03	12	15		C
28	Epc: 06.6°S, 153.4°E - H = 04h 56m 56.3s (USCGS) Depth = 44 Kms. Mag. 5.9 NEW BRITAIN REGION.						
	PBA	eP	05	07	22		
		i		16	33		
	SHL	iP	05	07	53		DS 68.5
		iS		16	50		
		iSKS		17	44		
		iSS		21	22		
	CHA	iP	05	08	22		DSE 73.0
		S		17	44		
		SP		18	16		
	BOK	iP	05	08	23		DE 73.2
		PP		11	09		
		iS		17	46		
		SKS		18	15		
		PS		18	25		
		PPS		18	37		
		SSS		25	36		
	MDR	eP	05	08	37		76.2
		PP		11	38		
		PPP		13	25		
		iS		18	17		
		SP		18	50		
		PPS		19	07		
		SS		23	02		
	KOD	iP	05	08	49.5		DSE 78.6
		PCP		08	59		
		PP		11	48		
		iS		18	42		
		SKS		18	52		
		PS		19	24		
		PPS		19	44		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
28 contd.	DDI	iP	05	09	08.1	D	
		i		10	14.1		
		i		19	35		
	NDI	iP	05	09	08.6	DE	81.9
		PCP		09	13		
		PP		12	06		
		iS		19	16		
		SKS		19	25		
		SCS		19	36		
		PS		20	10		
		i		21	10		
		SS		24	30		
	POO	eP	05	09	14.5		82.8
		PPP		14	18		
		eS		19	28		
		SKS		19	40		
		PS		20	18		
		SS		24	54		
	BOM	iP	05	09	19	DE	
		i		09	23		
		PcP		09	25		
		eS		19	41		
		SKS		19	43		
		PS		20	32		
28	SHL	eP	05	36	03		
28	MDR	e	05	36	08		
28	BOK	e	07	53	10		
28	BOK	e	08	13	46		
28	BOK	e	08	23	18		
28	SHL	eP	08	45	37		
	CHA	eP	08	45	43		
28	DDI	e	10	25	03.5		
				25	51.3		
28	DDI	iP	10	34	27.0	D	
				35	49.8		
28	CHA	ePg	14	28	51.3		0.5
		eSg		28	57.7		
28	NDI	e	14	54	22		
28	Epc: 59.5°N, 147.1°W - H = 15h 44m 55.7s (USCGS) Depth = 28 Kms. Mag. = 5.6 (CGS) GULF OF ALASKA						
	SHL	iP	15	57	17	NE	83.6
		ePP	16	00	42		
		eS		07	35		
		SCS		07	54		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
28 contd.	CHA	iP	15	57	22.0	C	
	NDI	iP	15	57	29.0	C	85.4
		PCP		57	38.0		
		PP	16	00	45		
		eSKS		07	50		
		S		07	56		
		SCS		08	07		
		SS		13	18		
	BOK	eP	15	57	37		86.8
		iS	16	08	11		
	BOM	e	16	02	07		
		SKS		08	52		
28	DDI	eP	16	45	17.9		
		i		46	04.0		
28	Epc: 06.9°S, 129.4°E - H = 19h 03m 36.0s (USCGS) Depth = 115 Kms. Mag. = 5.1 BANDA SEA						
	SHL	iP	19	12	12	DE	
	CHA	eP	19	12	44		
	KOD	eP	19	12	54.0	D	
	POO	eP	19	13	34		
	NDI	iP	19	13	42	C	
28	SHL	iPn	21	35	35	DNE	
	TOC	ePn	21	35	43		1.99
				36	09		
	CHA	eP	21	36	13		6.0
		S		37	23	M=5½	
	BOK	e	21	38	16		
	NDI	eP	21	38	09		12.3
		eS		40	28		
29	SHL	eP	01	47	05		2.6
		eS		47	38		
29	NDI	i	02	48	55		
		i		48	57		
29	Epc: 12.3°N, 91.2°W - H = 05h 18m 49.6s (USCGS) Depth = 33 Kms. Mag. = 5.2 (CGS)						
	NDI	ePKP	05	38	13		
	POO	iPKP	05	38	28.0	D	
	KOD	ePKP	05	39	05	C	
29	BOK	e	07	56	44		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
29	BOK	e	08	44	05		
29	PBA	eP	11	10	47.1	1.2	
		eS		11	04.1		
29	KOD	iP	11	48	27.8	CSW	
29	KOD	iP	11	55	09.8	CNW	
29	NDI	e	11	55	28		
29	SHL	eP	12	03	12		
29	KOD	eP	12	04	20.0	DNW	
29	KOD	iP	12	14	43.0	DNW	
		i		14	44.0		
29	KOD	iP	12	38	12.9	CSE	
29	KOD	iP	12	43	02.0	CNE	
29	SHL	iP	12	56	55	DSW	
	CHA	iP	12	57	53	D	
	NDI	eP	12	59	47	16.6	
		eS	13	02	52		
29	SHL	eP	15	08	51		
	CHA	eP	15	09	42	5.9	
		eS		10	51		
29	NDI	i	15	51	57		
29	NDI	e	16	54	07		
29	Epc: 31.8°S, 57.3°E - H = 17h 29m 40.1s(USCGS) Depth = 33 Kms. Mag. = 5.0 (CGS)						
	NDI	eP	17	40	05		
	CHA	iP	17	40	19		
30	NDI	e	00	18	32		
30	NDI	i	01	57	29		
30	NDI	i	01	58	33		
		i		59	04		
30	NDI	i	02	01	07		
30	NDI	i	02	02	48		
		i		02	52		
30	NDI	e	02	03	42		
30	NDI	e	02	14	45		
30	CHA	ePg	06	29	28.5	C	1.5
		Sg		29	48.1		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
30	Epc: 28.9°N, 129.9°E - H = 07h 57m 19.9s (USCGS) Depth = 32 Kms. Mag. = 5.5 (CGS) RYUKYO ISLANDS						
	SHL	eP	08	04	01		
	CHA	eP	08	04	36		
	BOK	iP	08	04	46		
	DDI	iP	08	05	34.9	D	
	NDI	iP	08	05	40.4	DE	47.1
		i		05	48		
		PP		07	28		
		PPP		08	22		
		eS		12	29		
		SCS		15	36		
		SS		16	09		
		SSS		17	10		
	MDR	eP	08	06	03		
		e		15	58		
	POO	iP	08	06	27.5	D	
	BOM	eP	08	06	34		
	KOD	iP	08	06	52.0	CSW	
30	BOK	e	09	02	50		
30	CHA	iPg	09	33	02.7	D	1.5
		Sg		33	23.0		
30	Epc: 06.5°S, 153.5°E NEW BRITAIN REGION - H = 10h 29m 30s (USCGS) Depth = 36 Km. Mag. = 5.3(CGS)						
	NDI	iP	10	41	43.0	C	
30	Epc: 03.5°S, 130.9°E - H = 13h 04m 20.4s (USCGS) Depth = 13 Kms., Mag. = 5.0						
	CHA	iP	13	13	32	D	
	KOD	iP	13	13	54.0	DE	
	NDI	iP	13	14	32		
30	NDI	i	13	31	14		
30	CHA	eP	14	16	45.2	2.9	
		Sg		17	23.1		
30	NDI	e	19	20	08		
30	SHL	ePg	21	09	54	0.6	
		eSg		10	02		
30	Epc: 49.3°S, 116.5°E -H = 21h 32m 53.1s(USCGS) Depth = 33 Kms.						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
30	SHL	iP	21	44	49	CN
contd.	NDI	iP	21	45	26.0	D

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
30	CHA	iPg	22	13	44.8	1.5
		Sg		14	04.6	

FELT EARTHQUAKE REPORTS

for the month

SEPTEMBER, 1967

SN.	STATION	DATE GMT	TIME GMT	NO.OF SHOCKS	DURATION IN SECS.	INTENSITY MM SCALE	REMARKS
1.	SHILLONG	06 09 67	01-43	One	30	IV	COMMING FROM NE
2.	- do -	06 09 67	01-45	One	5	IV	
3.	- do -	06 09 67	01-45	One	6	IV	
4.	- do--	11 09 67	07-30	One	40	V-VI	
5.	- do -	11 09 67	07-38	One	45	VI	
6.	- do -	15 09 67	10-38	One	40	V	
7.	- do -	15 09 67	10-34	One	10	V	
8.	- do -	15 09 67	10-34	One	2	III	

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station :		BOKARO		
01	00	3	0.5	4.2
	06	3	0.5	4.2
	12	3	0.5	4.1
	18	3	0.4	4.1
02	00	3	0.5	4.4
	06	3	0.6	4.7
	12	3	0.6	4.2
	18	3	0.6	3.9
03	00	3	0.6	4.1
	06	3	0.6	4.0
	12	3	0.6	4.7
	18	3	0.5	4.6
04	00	3	0.5	4.4
	06	3	0.5	4.4
	12	3	0.4	4.5
	18	3	0.4	5.0
05	00	3	0.3	4.1
	06	3	0.4	4.6
	12	3	0.3	4.5
	18	3	0.3	4.7
06	00	3	0.3	4.8
	06	3	0.4	5.3
	12	3	0.3	4.9
	18	3	0.3	5.4
07	00	3	0.3	4.6
	06	3	0.3	5.0
	12	3	0.3	5.1
	18	3	0.3	5.1
08	00	3	0.3	4.8
	06	3	0.5	4.4
	12	3	0.3	4.6
	18	3	0.2	4.3
09	00	...	-	-
	06	3	0.2	4.0
	12	...	-	-
	18	...	-	-
10	00	3	0.2	3.0
	06	3	0.2	3.9
	12	3	0.2	3.2
	18	3	0.2	3.9
11	00	3	0.2	3.7
	06	3	0.2	3.7
	12	3	0.3	4.5
	18	3	0.3	4.2
12	00	3	0.3	4.2
	06	3	0.2	4.5
	12	3	0.3	5.0
	18	3	0.2	4.1

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station :		BOKARO		
13	00	3	0.3	4.4
	06	3	0.3	5.0
	12	3	0.3	4.8
	18	3	0.3	4.7
14	00	3	0.3	4.8
	06	3	0.3	4.6
	12	3	0.3	4.3
	18	3	0.3	4.6
15	00	3	0.3	4.8
	06	3	0.3	4.2
	12	3	0.3	4.9
	18	3	0.3	4.8
16	00	3	0.3	4.6
	06	3	0.3	4.4
	12	3	0.3	4.3
	18	3	0.3	4.3
17	00	3	0.3	4.6
	06	3	0.3	4.5
	12	3	0.3	4.3
	18	3	0.2	4.3
18	00	3	0.3	4.6
	06	3	0.3	4.6
	12	3	0.3	4.7
	18	3	0.2	4.6
19	00	3	0.2	4.6
	06	3	0.3	4.4
	12	...	-	-
	18	3	0.3	5.0
20	00	3	0.2	4.6
	06	3	0.3	4.8
	12	...	-	-
	18	3	0.3	5.1
21	00	3	0.3	5.1
	06	3	0.3	5.7
	12	3	0.3	5.5
	18	3	0.3	5.0
22	00	3	0.3	5.0
	06	3	0.3	4.6
	12	...	-	-
	18	3	0.3	4.7
23	00	3	0.3	4.9
	06	3	0.3	4.9
	12	3	0.3	5.0
	18	3	0.3	4.7
24	00	3	0.3	5.2
	06	3	0.3	5.4
	12	3	0.3	4.8
	18	3	0.3	4.6

DATE	HOUR	KK	MEAN Amplitude in mm	MEAN Period in sec.
Station:		BOKARO		
25	00	3	0.3	4.9
	06	3	0.3	4.6
	12	3	0.3	4.2
	18	3	0.3	4.1
26	00	3	0.2	4.0
	06	3	0.2	3.3
	12	3	0.2	4.3
	18	...	-	-
27	00	3	0.2	3.6
	06	3	0.3	3.4
	12	3	0.3	3.6
	18	3	0.3	3.6
28	00	3	0.3	3.5
	06	...	-	-
	12	3	0.5	3.1
	18	3	0.5	3.7
29	00	3	0.4	3.7
	06	3	0.3	4.0
	12	3	0.3	3.8
	18	3	0.3	4.0
30	00	3	0.3	4.0
	06	3	0.3	3.7
	12	3	0.3	3.7
	18	3	0.3	4.2
Station:		BOMBAY		
01	00	3	1.1	3.1
			0.5	1.7
	06	3	1.1	3.6
			0.7	1.9
	12	3	1.2	3.7
			0.7	1.8
	18	3	1.1	3.7
			0.7	1.8
02	00	3	1.1	3.6
			0.7	1.9
	06	3	1.1	3.6
			0.7	1.9
	12	3	1.2	3.6
			0.7	1.8
	18	3	1.1	3.6
			0.7	1.8
03	00	3	1.2	3.6
			0.7	1.9
	06	3	1.1	3.2
			0.5	1.9
	12	3	1.1	3.1
			0.5	2.0
	18	3	1.0	2.9
			0.5	1.8
04	00	3	1.0	3.6
			0.4	1.8
	06	3	1.1	3.2
			0.5	1.8
	12	3	1.1	2.9
			0.5	1.8
	18	3	1.1	3.0
			0.5	1.8
05	00	3	1.1	3.0
			0.5	1.9
	06	3	1.1	3.0
			0.5	1.8
	12	3	1.1	2.8
			0.5	2.0
	18	3	1.1	2.9
			0.4	1.8
06	00	3	1.2	2.9
			0.5	1.9
	06	3	1.1	3.0
			0.5	1.9
	12	3	1.1	2.8
			0.5	1.8
	18	3	1.1	2.9
			0.5	1.9
07	00	3	1.1	2.9
			0.4	1.8
	06	3.	1.1	3.1
			0.5	1.8
	12	3	1.1	2.9
			0.5	1.9
	18	3	1.1	2.9
			0.4	1.8
08	00	3	1.1	2.7
			0.4	1.8
	06	3	0.9	3.1
			0.3	1.6
	12	3	0.9	2.8
			0.4	1.7
	18	3	0.8	2.7
			0.3	1.7
09	00	3	0.9	2.7
			0.3	1.8
	06	3	0.8	2.7
			0.3	1.8
	12	3	0.8	2.6
			0.3	1.8
	18	Surface Waves		
10	00	3	0.7	2.7
			0.3	1.7
	06	3	0.8	2.7
			0.3	1.7

DATE	HOUR	K	MEAN Amplitude Amin mm	MEAN Period in Sec.

Station : BOMBAY

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
10 contd.	12	3	0.8	2.6
			0.3	1.7
	18	3	0.9	2.6
			0.3	1.7
11	00	3	0.9	2.7
			0.3	1.7
	06	3	0.8	3.1
			0.3	1.7
	12	3	0.9	3.1
			0.4	1.7
	18	3	0.9	3.1
			0.3	1.8
12	00	3	0.9	3.1
			0.4	1.8
	06	3	0.9	3.1
			0.4	1.8
	12	3	0.8	2.9
			0.3	1.7
	18	3	0.8	2.8
			0.3	1.7
13	00	3	0.9	2.8
			0.4	1.8
	06	3	0.8	3.2
			0.3	1.7
	12	3	0.9	3.1
			0.3	1.8
	18	3	0.9	3.1
			0.3	1.6
14	00	3	0.8	3.2
			0.3	1.8
	06	3	0.5	3.9
			0.3	3.0
	12	3	0.5	3.8
	18	3	0.6	4.1
			0.3	3.0
15	00	3	0.6	4.0
			0.2	2.9
	06	2	0.8	4.0
	12	2	0.5	4.0
	18	2	0.5	3.9
16	00	2	0.5	4.0
	06	2	0.6	4.0
	12	3	0.5	4.0
			0.3	1.4
	18	3	0.6	3.9
			0.3	1.6

Station : BOMBAY

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
17	00	2	0.6	3.9
	06	3	0.6	4.2
			0.3	1.4
	12	3	0.6	4.1
			0.3	1.4
	18	3	0.5	4.0
			0.3	1.6
18	00	3	0.6	4.1
	06	3	0.6	3.9
			0.3	1.7
	12	3	0.7	3.9
			0.3	1.7
	18	3	0.6	3.9
			0.3	1.6
19	00	3	0.5	4.0
			0.3	1.8
	06	3	0.7	4.0
	12	3	0.7	4.0
			0.2	2.0
	18	3	0.7	4.0
			0.2	2.0
20	00	3	0.7	4.0
	06	3	0.9	4.2
			0.7	2.5
	12	3	0.8	4.1
	18	3	0.9	4.2
			0.3	1.9
21	00	3	0.9	4.1
			0.3	2.0
	06	3	0.8	4.1
			0.3	1.8
	12	3	0.8	4.0
			0.3	1.9
	18	3	0.9	4.0
			0.3	1.8
22	00	3	0.9	4.0
			0.3	2.0
	06	3	0.9	3.9
			0.3	1.9
	12	3	0.9	4.0
			0.3	1.7
	18	3	0.9	3.8
			0.3	1.6
23	00	3	0.9	4.0
			0.3	1.9
	06	3	0.8	3.9

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOMBAY				
23		3	0.9	3.9
ctd.	12		0.3	1.9
	18	3	0.9	4.0
			0.3	1.8
24	00	3	0.8	4.0
			0.3	1.8
	06	3	0.5	6.0
			0.7	3.9
			0.3	2.0
	12	3	0.6	6.0
			0.7	3.9
	18	3	0.8	3.9
			0.3	1.8
25	00	3	0.7	3.9
			0.3	1.9
	06	3	0.7	3.9
			0.3	1.8
	12	3	0.7	3.9
			0.3	1.7
	18	3	0.7	3.9
			0.3	1.8
26	00	3	0.7	4.0
			0.3	1.8
	06	3	0.7	4.0
			0.3	1.8
	12	3	0.7	3.9
			0.3	1.8
	18	3	0.7	3.8
			0.3	1.8
27	00	3	1.0	2.1
			0.3	1.6
	06	3	0.9	3.9
			0.3	1.9
	12	3	0.9	2.0
			0.3	1.7
	18	3	0.9	4.0
			0.3	1.8
28	00	Loss of Record		
	06	Surface waves		
	12	3	0.9	2.3
			0.3	1.7
	18	3	0.9	2.9
			0.3	1.8
29	00	3	0.9	3.0
			0.3	1.9
	06	Loss of Record		
	12	3	0.9	3.0
			0.3	1.8
	18	3	0.9	3.0
			0.3	1.8
30	00	3	0.9	3.1
			0.3	2.0
	06	3	0.9	3.0
			0.3	1.8
	12	3	0.8	3.0
			0.3	1.8
	18	3	0.8	3.0
			0.3	1.8
Station CALCUTTA				
01	00	3	4.0	1.0
	06	3	4.0	1.2
	12	3	4.2	1.4
	18	3	4.2	1.5
02	00	3	4.0	1.3
	06	2	4.2	2.5
	12	2	4.0	3.0
	18	...	disturbance	
03	00	2	4.0	4.6
	06	2	3.8	3.2
	12	2	4.0	3.4
	18	2	4.2	2.9
04	00	3	4.0	2.3
	06	3	4.0	3.2
	12	3	4.0	3.0
	18	3	4.2	2.6
05	00	3	4.2	1.8
	06	3	4.0	1.0
	12	3	4.2	1.1
	18	3	4.0	0.8
06	00	3	3.8	0.6
	06	...	bulb fused	
	12	3	4.0	0.5
	18	3	4.2	0.4
07	00	3	4.2	0.6
	06	3	4.0	0.8
	12	3	3.0	0.3
	18	3	3.0	0.4
08	00	3	3.0	0.3
	06	3	3.2	0.4
	12	3	3.0	0.4
	18	3	3.0	0.3
09	00	3	3.0	0.4
	06	3	3.0	0.3
	12	3	3.0	0.8
	18	3	3.0	1.0
10	00	3	3.0	1.1
	06	3	3.2	1.2
	12	3	3.2	1.2
	18	3	3.0	1.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : CALCUTTA				
11	00	3	3.2	1.2
	06	3	3.2	1.3
	12	3	3.0	1.3
	18	3	3.2	1.4
12	00	3	3.0	1.3
	06	3	3.2	1.2
	12	3	3.0	1.1
	18	3	3.0	1.0
13	00	3	3.0	1.1
	06	3	2.6	1.0
	12	3	2.4	0.8
	18	3	2.6	0.3
14	00	3	3.0	0.5
	06	3	3.0	0.5
	12	3	3.0	0.4
	18	3	3.0	0.3
15	00	3	3.0	0.3
	06	3	2.8	0.3
	12	3	2.6	0.3
	18	3	2.8	0.5
16	00	3	3.0	0.7
	06	3	4.0	1.1
	12	3	4.0	1.2
	18	3	4.0	1.3
17	00	3	4.0	1.4
	06	3	3.8	1.2
	12	3	4.0	1.1
	18	3	4.0	1.2
18	00	3	3.8	1.3
	06	3	3.8	1.0
	12	3	3.8	1.1
	18	3	4.0	1.2
19	00	3	4.0	1.4
	06	3	3.8	1.2
	12	3	4.0	1.0
	18	3	4.0	1.1
20	00	3	3.8	1.1
	06	3	3.8	0.8
	12	3	4.0	1.0
	18	3	4.0	1.0
21	00	3	4.0	1.1
	06	3	4.0	1.1
	12	3	4.2	1.2
	18	3	4.2	1.2
22	00	3	4.2	1.1
	06	3	4.2	0.9
	12	3	4.2	1.0
	18	3	4.2	1.1
23	00	3	4.0	1.2
	06	3	3.8	0.8
	12	3	4.0	1.0
	18	3	4.0	0.8
24	00	3	3.8	0.6
	06	3	4.2	0.5
	12	3	4.4	0.5
	18	... light off		
25	00	... light off		
	06	3	3.6	0.4
	12	3	3.4	0.5
	18	3	3.0	0.6
26	00	3	3.4	0.6
	06	3	3.4	0.6
	12	3	3.2	0.7
	18	3	3.2	0.6
27	00	3	3.2	0.7
	06	2	3.0	1.5
	12	2	3.0	1.7
	18	2	3.2	1.8
28	00	2	3.0	2.9
	06	2	2.8	2.8
	12	2	3.0	2.2
	18	2	3.0	1.8
29	00	3	3.2	1.2
	06	3	3.0	1.0
	12	3	3.0	1.0
	18	3	3.0	0.8
30	00	3	2.8	0.5
	06	3	2.8	0.6
	12	3	2.4	0.4
	18	3	2.4	0.3
Station : GOA (COMPONENT N-S)				
01	00	3	0.5	2.4
	06	3	0.5	2.5
	12	3	0.5	2.3
	18	3	0.6	2.3
02	00	3	0.5	2.2
	06	3	0.6	2.4
	12	3	0.5	2.3
	18	3	0.6	2.5
03	00	3	0.5	2.2
	06	3	0.7	2.1
	12	3	0.6	2.5
	18	3	0.7	2.4
04	00	3	0.7	2.3
	06	3	0.7	2.1
	12	3	0.6	2.5
	18	3	0.6	2.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : GOA (COMPONENT N-S)				
05	00	3	0.6	2.2
	06	3	0.5	2.2
	12	3	0.5	2.3
	18	3	0.5	2.2
06	00	3	0.5	2.3
	06	3	0.6	2.3
	12	3	0.4	2.2
	18	3	0.4	2.2
07	00	3	0.4	2.3
	06	3	0.4	2.3
	12	3	0.3	2.3
	18	3	0.3	2.2
08	00	3	0.3	2.2
	06	3	0.3	2.4
	12	...	...	...
	18	3	0.5	3.9
09	00	3	0.5	3.7
	06	3	0.4	3.9
	12	3	0.4	3.7
	18	...	...	...
10	00	3	0.4	3.7
	06	3	0.4	3.1
	12	3	0.4	3.1
	18	3	0.4	3.3
11	00	3	0.4	3.3
	06	3	0.5	3.5
	12	3	0.4	3.5
	18	3	0.5	3.5
12	00	3	0.6	3.5
	06	3	0.5	4.1
	12	3	0.5	3.8
	18	3	0.5	3.5
13	00	3	0.4	4.0
	06	...	...	...
	12	...	...	...
	18	3	0.5	3.6
14	00	3	0.5	3.8
	06	...	...	...
	12	...	...	...
	18	...	...	...
15	00	...	...	...
	06	3	0.5	4.3
	12	3	0.5	4.0
	18	3	0.5	4.2
16	00	3	0.5	4.1
	06	3	0.4	3.9
	12	3	0.4	4.1
	18	3	0.5	3.6
17	00	3	0.5	3.8
	06	3	0.5	3.5
	12	3	0.5	3.5
	18	...	...	...
18	00	3	0.4	3.9
	06	3	0.6	4.4
	12	3	0.5	4.2
	18	...	...	...
19	00	3	0.6	4.0
	06	3	0.5	3.8
	12	...	...	...
	18	...	...	...
20	00	....	...	...
	06	...	...	...
	12	3	0.4	3.7
	18	3	0.3	3.5
21	00	3	0.3	3.4
	06	...	...	...
	12	3	0.4	2.6
	18	3	0.6	3.4
22	00	3	0.5	3.4
	06	...	...	...
	12	...	...	...
	18	...	....	...
23	00	...	...	...
	06	3	0.5	3.0
	12	3	0.5	2.8
	18	3	0.5	2.8
24	00	3	0.6	2.8
	06	3	0.5	2.8
	12	3	0.5	2.6
	18	3	0.6	2.7
25	00	3	0.6	2.8
	06	3	0.5	2.8
	12	3	0.6	2.8
	18	3	0.6	2.8
26	00	3	0.7	2.8
	06	3	0.5	3.0
	12	3	0.6	2.8
	18	3	0.6	2.8
27	00	3	0.6	2.8
	06	3	0.7	2.8
	12	3	0.6	2.8
	18	3	0.7	2.8
28	00	3	0.7	3.0
	06	...	...	...
	12	3	0.9	3.0
	18	3	0.8	1.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station :		GOA (Compt. N-S)		
29	00	3	0.9	2.8
	06	3	0.7	3.0
	12	3	1.0	3.2
	18	3	0.7	3.0
30	00	3	0.7	2.8
	06	3	0.8	2.8
	12	3	0.7	1.5
	18	3	0.8	3.0
Station :		MADRAS		
01	00	2	0.7	3.7
	03	2	0.8	3.3
	06	2	0.8	3.4
	12	2	0.8	3.6
	18	2	0.8	4.2
		2	0.6	3.1
02	00	2	0.7	3.3
	03	2	0.7	3.7
	06	2	0.7	4.2
		2	0.4	2.8
	12	2	0.7	4.1
		2	0.5	2.7
	18	2	0.7	4.3
			0.2	2.5
03	00	2	0.7	4.0
		2	0.7	7.8
	03	2	0.7	8.0
		2	0.5	3.9
	06	2	0.9	8.1
		2	0.5	3.7
	12	2	0.9	8.1
		2	0.5	3.3
	18	2	0.6	8.1
		2	0.4	3.7
04	00	2	0.3	3.5
	03	2	0.4	3.7
	06	2	0.5	4.0
	12	2	0.3	3.9
	18	2	0.4	4.0
05	00	2	0.4	4.0
	03	...	No record	
	06	...	No record	
	12	2	0.5	4.6
	18	2	0.4	4.7
06	00	2	0.4	4.7
	03	2	0.4	4.5
	06	...	No record	
	12	2	0.4	4.4
	18	2	0.4	4.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station :		MADRAS		
07	00	2	0.4	4.2
	03	2	0.4	4.2
	06	2	0.3	4.2
	12	2	0.3	4.3
	18	2	0.4	4.3
08	00	2	0.3	4.3
	03	2	0.3	4.2
	06	2	0.3	3.8
	12	2	0.3	3.8
	18	2	0.3	3.4
09	00	2	0.3	3.1
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
10	00	2	0.3	3.1
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
11	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
12	00	2	0.3	3.0
	03	2	0.3	3.1
	06	2	0.3	3.3
	12	2	0.3	4.0
	18	2	0.3	4.2
13	00	2	0.3	3.6
	03	2	0.3	3.2
	06	2	0.3	3.5
	12	2	0.3	3.5
	18	2	0.4	4.1
14	00	2	0.4	4.1
	03	2	0.4	4.2
	06	2	0.4	4.2
	12	2	0.4	4.5
	18	2	0.4	4.7
15	00	2	0.4	4.7
	03	2	0.4	4.2
		3	0.1	1.6
	06	2	0.4	4.8
		3	0.2	1.5
	12	2	0.4	4.4
		3	0.2	1.9
	18	2	0.4	4.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : MADRAS				
16	00	2	0.4	4.2
	03	2	0.4	4.2
	06	2	0.4	4.3
	12	2	0.4	4.3
	18	2	0.4	4.2
17	00	2	0.4	4.3
	03	2	0.4	4.2
	06	2	0.4	4.2
	12	2	0.4	4.3
	18	2	0.3	4.2
18	00	2	0.3	4.2
	03	2	0.3	4.1
	06	2	0.3	3.9
	12	2	0.3	4.3
		2	0.5	9.1
	18	2	0.5	9.0
		2	0.3	4.2
19	00	2	0.5	9.1
		2	0.3	4.2
	03	2	0.3	4.0
	06	2	0.4	8.8
		2	0.3	4.2
	12	2	0.3	4.2
	18	2	0.4	8.7
		2	0.3	4.1
20	00	2	0.4	2.0
	03	2	0.5	2.3
	06	2	0.4	2.4
	12	2	0.3	2.5
	18	2	0.3	2.9
21	00	2	0.3	3.8
		3	0.1	1.9
	03	2	0.3	3.6
	06	2	0.3	3.7
	12	2	0.3	3.7
	18	2	0.3	3.7
22	00	2	0.3	3.7
	03	2	0.5	8.7
		2	0.3	3.5
	06	2	0.4	8.2
		2	0.3	3.7
	12	2	0.3	3.9
	18	2	0.3	4.0
23	00	2	0.3	3.9
	03	2	0.3	4.0
	06	2	0.3	4.0
	12	2	0.3	4.0
	18	2	0.3	3.9
Station : MADRAS				
24	00	2	0.3	3.7
	03	2	0.3	3.6
		3	0.1	1.5
	06	2	0.3	3.1
	12	2	0.3	3.2
	18	2	0.3	3.3
25	00	2	0.3	3.1
	03	2	0.3	3.1
	06	2	0.3	3.1
	12	2	0.3	3.1
	18	2	0.3	3.1
26	00	2	0.4	3.1
	03	2	0.4	3.0
	06	2	0.4	3.1
	12	2	0.4	3.1
	18	2	0.4	3.0
27	00	2	0.3	3.1
	03	2	0.4	3.1
	06	2	0.4	3.1
	12	2	0.4	3.1
	18	2	0.4	3.1
28	00	2	0.4	3.1
	03	2	0.4	3.1
	06	2	0.4	3.1
	12	2	0.4	3.1
	18	2	0.5	3.1
29	00	2	0.5	3.1
	03	2	0.5	3.1
	06	2	0.5	3.1
	12	2	0.5	3.3
	18	2	0.5	3.3
30	00	2	0.5	3.5
	03	2	0.5	3.5
	06	2	0.5	3.4
	12	2	0.4	3.3
	18	2	0.3	3.2
Station : PORT BLAIR				
01	00	3	2.4	3.0
	06	3	2.4	3.0
	12	3	1.6	2.0
			2.4	3.0
	18	3	2.0	3.0
			1.6	7.0
02	00	3	2.0	3.0
			2.0	7.0
	06	3	2.0	3.0
			2.0	7.0
	12	3	2.0	3.0
			2.0	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
02	18	3	1.6	2.0
contd.			2.0	7.0
03	00	3	2.0	3.0
			2.4	7.0
	06	3	2.0	3.0
			2.4	7.0
	12	3	1.6	3.0
			2.4	7.0
	18	3	2.0	2.0
			2.8	7.0
04	00	3	2.0	3.0
			2.8	7.0
	06	3	2.0	3.0
			2.4	7.0
	12	3	2.0	3.0
			2.0	7.0
	18	...	-	-
05	00	...	-	-
	06	3	1.6	3.0
			2.0	7.0
	12	3	1.2	3.0
			2.0	7.0
	18	3	1.6	2.0
			2.0	7.0
06	00	3	1.6	2.0
			2.0	7.0
	06	3	2.0	2.0
			2.4	7.0
	12	3	1.6	2.0
			2.0	7.0
	18	3	2.0	2.0
			2.0	7.0
07	00	3	1.6	2.0
			2.0	7.0
	06	3	2.0	2.0
			1.6	7.0
	12	3	1.6	2.0
			1.6	7.0
	18	3	2.0	2.0
			0.8	7.0
08	00	3	2.0	2.0
			0.8	7.0
	06	3	2.0	2.0
			2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
09	00	3	2.0	3.0
	06	3	2.0	2.0
			0.8	7.0
	12	3	2.0	3.0
			1.2	7.0
	18	3	2.0	3.0
10	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	3.0
			1.2	7.0
	12	3	2.0	3.0
			1.2	7.0
	18	3	2.0	3.0
			1.2	7.0
11	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	2.0
	12	3	2.0	2.0
			2.0	3.0
	18	3	2.0	2.0
			2.4	3.0
12	00	3	2.0	2.0
			2.0	3.0
	06	3	2.0	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
13	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
14	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	2.0
15	00	3	1.6	2.0
	06	3	0.4	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
16	00	3	0.8	3.0
			0.8	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			1.2	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
16 contd.	18	3	0.8	2.0
			1.2	7.0
17	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	3.0
			0.8	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	1.2	3.0
			1.2	7.0
18	00	3	1.2	3.0
			1.2	7.0
	06	3	1.2	3.0
			1.2	7.0
	12	3	1.2	3.0
			1.2	7.0
	18	3	1.2	3.0
			1.2	7.0
19	00	3	1.2	3.0
			1.6	7.0
	06	3	1.2	3.0
			1.6	7.0
	12	3	1.2	3.0
			2.0	7.0
	18	3	1.2	3.0
			2.0	7.0
20	00	3	1.2	3.0
			2.0	7.0
	06	3	1.2	3.0
			2.0	7.0
	12	3	1.2	3.0
			2.0	7.0
	18	3	1.2	3.0
			2.0	7.0
21	00	3	1.2	2.0
			2.0	7.0
	06	3	1.2	2.0
			2.0	7.0
	12	3	1.2	2.0
			2.0	7.0
	18	3	1.6	3.0
			2.0	7.0
22	00	3	1.6	3.0
			2.0	7.0
	06	3	1.6	3.0
			1.6	7.0
	12	3	1.6	3.0
			1.6	7.0
	18	3	1.6	3.0
			1.6	7.0
23	00	...	-	-
	06	3	1.6	3.0
			1.6	7.0
	12	3	1.6	3.0
			1.6	7.0
	18	3	1.6	3.0
			1.6	7.0
24	00	3	1.6	3.0
			1.6	7.0
	06	3	1.6	2.0
			2.0	7.0
	12	3	1.6	3.0
			2.0	7.0
	18	3	1.6	3.0
			2.0	7.0
25	00	3	1.6	3.0
			2.0	7.0
	06	3	2.0	3.0
			2.0	7.0
	12	3	1.6	3.0
			1.6	7.0
	18	3	2.0	3.0
			1.6	7.0
26	00	3	2.0	3.0
			1.2	7.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0
27	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
28	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
29	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
			0.4	7.0
30	00	3	2.0	3.0
			0.4	7.0
	06	3	2.0	3.0
			0.4	7.0
	12	...	-	-
	18	3	2.0	3.0
			0.4	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
01	00	3	0.4	4.4
	06	3	0.5	4.5
	12	3	0.5	4.8
	18	3	0.4	4.0
02	00	3	0.3	4.5
	06	3	0.4	4.0
	12	3	0.4	4.3
	18	3	0.5	3.5
03	00	3	0.5	3.0
	06	3	0.4	3.5
	12	3	0.4	3.0
	18	3	0.3	4.5
04	00	3	0.5	4.0
	06	3	0.5	4.5
	12	3	0.6	5.0
	18	3	0.4	3.5
05	00	3	0.5	3.0
	06	3	0.6	4.5
	12	3	0.5	5.0
	18	3	0.5	5.0
06	00	3	0.5	3.0
	06	3	0.6	4.5
	12	3	0.5	5.0
	18	3	0.5	5.0
07	00	3	0.4	4.0
	06	3	0.5	4.0
	12	3	0.3	5.0
	18	3	0.3	5.0
08	00	3	0.4	4.5
	06	3	0.5	4.0
	12	3	0.3	5.0
	18	3	0.4	5.0
09	00	3	0.4	5.0
	06	3	0.5	4.6
	12	...	...	...
	18	...	...	...
10	00	3	0.4	4.5
	06	3	0.4	4.6
	12	3	0.3	4.2
	18	3	0.4	4.5
11	00	3	0.4	4.5
	06	3	0.5	4.8
	12	3	0.4	5.5
	18	3	0.4	5.0
12	00	3	0.5	5.5
	06	3	0.4	4.8
	12	3	0.3	4.5
	18	3	0.3	4.5
13	00	3	0.4	4.5
	06	3	0.5	5.0
	12	3	0.5	5.0
	18	3	0.5	4.8
14	00	3	0.6	5.0
	06	3	0.5	5.5
	12	3	0.5	5.0
	18	3	0.4	4.5
15	00	3	0.5	5.5
	06	3	0.4	4.5
	12	3	...	...
	18	3	0.4	5.0
16	00	3	0.5	5.5
	06	3	0.4	5.0
	12	3	0.5	5.0
	18	3	0.6	5.2
17	00	3	0.5	5.0
	06	3	0.4	5.0
	12	3	0.3	4.0
	18	3	0.3	4.0
18	00	3	0.4	5.0
	06	3	0.3	4.0
	12	3	0.4	5.0
	18	3	0.5	4.0
19	00	3	0.3	4.0
	06	3	0.3	3.5
	12	3	...	...
	18	3	0.4	4.0
20	00	3	0.3	3.5
	06	3	0.4	3.0
	12	...	...	...
	18	3	0.3	3.0
21	00	3	0.4	4.5
	06	3	0.3	3.0
	12	3	0.5	4.5
	18	3	0.5	3.0
22	00	3	0.3	5.0
	06	3	0.4	4.5
	12	3	0.3	4.0
	18	3	0.4	4.5
23	00	3	0.3	5.0
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	3	0.4	4.5
24	00	3	0.3	5.5
	06	3	0.3	5.0
	12	3	0.5	3.5
	18	3	0.5	3.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
25	00	3	0.4	4.0
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	3	0.3	5.0
26	00	3	0.4	4.8
	06	3	0.3	5.0
	12	3	0.4	4.5
	18	3	0.5	...
27	00	3	0.4	5.0
	06	3	0.5	3.5
	12	3	0.4	4.5
	18	3	0.3	4.0
28	00	3	0.3	4.5
	06	3	0.2	5.5
	12	3	0.3	5.0
	18	...	...	...
29	00	3	0.5	3.5
	06	3	0.5	3.5
	12	3	0.4	4.5
	18	3	0.3	5.5
30	00	3	0.3	5.5
	06	...	...	...
	12	...	...	...
	18	...	....	...
Station : TRIVANDRUM				
01	00	2	1.45	4.9
	06	2	1.35	4.6
	12	2	1.55	4.6
	18	2	1.45	4.6
02	00	2	1.45	4.6
	06	2	1.35	4.5
	12	2	1.30	4.7
	18	2	1.75	4.5
03	00	2	1.60	4.5
	06	2	1.35	4.5
	12	2	1.35	4.5
	18	2	1.25	4.5
04	00	2	1.30	4.6
	06	2	1.00	4.2
	12	2	0.80	4.8
	18	2	1.35	4.7
05	00	2	1.40	4.5
	06	2	1.45	4.6
	12	2	1.30	4.5
	18	2	1.05	4.7

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : TRIVANDRUM				
06	00	2	1.05	4.6
	06	2	0.75	4.6
	12	2	0.60	4.7
	18	2	0.70	4.5
07	00	2	0.60	4.7
	06	2	...	...
	12	2	0.49	4.4
	18	2	0.65	4.5
08	00	2	0.44	4.3
	06	2	0.49	4.3
	12	2	0.46	4.3
	18	2	0.42	4.5
09	00	2	0.52	4.3
	06	2	0.50	3.9
	12	2	0.58	4.3
	18	2	0.63	4.3
10	00	2	0.56	4.2
	06		...	...
	12	2	0.65	4.2
	18	2	0.57	4.5
11	00	2	0.54	4.0
	06	2	0.46	4.2
	12	2	0.42	4.3
	18	2	0.46	4.6
12	00	2	0.46	4.3
	06	2	0.46	4.2
	12	2	0.44	4.2
	18	2	0.50	4.0
13	00	2	0.58	3.9
	06	2	0.37	3.9
	12	2	0.46	4.0
	18	2	0.38	4.1
14	00	2	0.57	4.4
	06	2	...	...
	12	2	0.70	4.9
	18	2	0.78	4.9
15	00	2	0.84	4.9
	06	2	0.83	4.7
	12	2	0.73	4.6
	18	2	0.85	4.9
16	00	2	0.75	4.6
	06	2	0.57	4.6
	12	2	0.54	4.7
	18	2	0.54	4.6

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station :	TRIVANDRUM			
17	00	2	0.51	4.5
	06	2	0.42	4.5
	12	2	0.46	4.1
	18	2	0.50	4.2
18	00	2	0.54	4.3
	06	2	0.57	4.1
	12	2	0.57	4.2
	18	2	0.72	4.8
19	00	2	0.81	4.7
	06	2	0.72	4.4
	12	2	0.68	4.3
	18	2	0.70	4.4
20	00	2	0.68	4.5
	06	2	0.68	4.8
	12	2	0.61	4.4
	18	2	0.67	4.5
21	00	2	0.74	4.1
	06	2	0.60	3.9
	12	2	0.42	4.3
	18	2	0.48	3.9
22	00	2	0.48	3.7
	06	...	...	...
	12	2	1.00	4.2
	18	2	0.71	4.3
23	00	2	0.75	4.2
	06	...	...	...
	12	2	0.68	4.2
	18	2	0.71	4.2
24	00	2	0.62	4.4
	06	2	0.55	3.9
	12	2	0.52	4.2
	18	2	0.50	4.2
25	00	2	0.53	4.0
	06	2	0.44	3.7
	12	2	0.38	4.1
	18	2	0.46	4.0
26	00	2	0.49	3.5
	06	2	0.44	4.0
	12	2	0.57	4.0
	18	2	0.56	4.0
27	00	2	0.52	4.1
	06	...	...	...
	12	2	0.52	4.2
	18	2	0.55	4.2
28	00	2	0.50	4.1
	06	2	...	...
	12	2	0.40	4.1
	18	2	0.38	3.5
29	00	2	0.46	3.5
	06	2	0.44	3.6
	12	2	0.40	3.8
	18	2	0.40	3.8
30	00	2	0.34	3.5
	06	2	0.51	3.9
	12	2	0.55	4.0
	18	2	0.46	3.7
Station :	VISAKHAPATNAM			
01	00	2	0.4	3.4
	06	3	0.8	3.8
	12	3	0.6	3.8
	18	3	0.9	3.7
02	00	3	0.8	3.8
	06	3	1.0	3.8
	12	3	0.8	4.1
	18	3	0.9	3.7
03	00	3	0.6	3.9
	06	3	0.9	3.5
	12	3	0.7	4.1
	18	3	0.8	4.0
04	00	3	0.5	4.1
	06	3	0.7	4.0
	12	3	0.6	4.1
	18	3	0.6	3.7
05	00	3	0.4	3.5
	06	3	0.4	3.5
	12	3	0.4	3.6
	18	3	0.5	4.1
06	00	3	0.4	4.1
	06	2	0.7	4.3
	12	2	0.5	4.3
	18	2	0.6	4.4
07	00	2	0.5	4.5
	06	2	0.6	6.0
	12	2	0.4	5.4
	18	2	0.5	5.2
08	00	2	0.4	5.1
	06	2	0.5	4.8
	12	2	0.4	4.5
	18	2	0.4	5.2
09	00	2	0.3	2.9
	06	1	0.2	2.9
	12	1	0.3	3.3
	18	1	0.4	2.9
10	00	1	0.3	3.3
	06	1	0.3	2.9
	12	...	-	-
	18	1	0.5	3.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : VISAKHAPATNAM				
11	00	1	0.4	3.5
	06	1	0.3	3.2
	12	1	0.5	3.8
	18	1	0.4	3.6
12	00	1	0.5	3.4
	06	1	0.5	3.7
	12	1	0.4	3.2
	18	1	0.3	3.2
13	00	1	0.4	3.1
	06	1	0.5	3.2
	12	1	0.5	3.2
	18	1	0.4	2.9
14	00	1	0.4	3.1
	06	1	0.3	3.5
	12	1	0.5	5.2
	18	1	0.4	5.0
15	00	1	0.4	3.4
	06	1	0.5	3.7
	12	1	0.4	3.2
	18	1	0.4	3.5
16	00	1	0.3	2.5
	06	1	0.5	3.9
	12	1	0.4	4.0
	18	1	0.3	3.3
17	00	1	0.5	4.2
	06	2	0.2	3.0
	12	2	0.3	3.0
	18	2	0.4	3.6
18	00	2	0.3	3.5
	06	2	0.4	3.8
	12	2	0.4	4.1
	18	2	0.3	3.7
19	00	2	0.5	4.4
	06	2	0.4	4.0
	12	2	0.4	3.9
	18	2	0.3	3.1
20	00	2	0.3	3.5
	06	2	0.5	4.4
	12	3	0.3	3.5
	18	3	0.5	4.7
21	00	3	0.4	4.1
	06	2	0.6	5.0
	12	2	0.4	3.9
	18	2	0.5	4.2
22	00	2	0.4	4.2
	06	2	0.5	4.9
	12	2	0.5	4.5
	18	2	0.5	3.8
23	00	2	0.5	4.2
	06	2	0.5	4.6
	12	2	0.5	4.4
	18	2	0.5	4.4
24	00	2	0.4	3.8
	06	2	0.5	3.1
	12	2	0.3	3.4
	18	2	0.4	4.1
25	00	3	0.3	3.5
	06	1	0.3	3.4
	12	1	0.3	3.8
	18	1	0.5	3.7
26	00	1	0.4	3.4
	06	1	0.4	3.8
	12	-	-	-
	18	-	-	-
27	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
28	00	-	-	--
	06	-	-	--
	12	1	0.6	3.5
	18	1	0.5	3.7
29	00	1	0.6	3.6
	06	1	0.7	3.3
	12	...	-	-
	18	1	0.5	3.4
30	00	1	0.5	3.5
	06	1	0.6	3.6
	12	1	0.5	3.6
	18	1	0.5	3.4

Rotaprinted in January, 1969

Verma
D C

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES.

REGD.NO.RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Tg	V.max.	Damping Constant h_1	h_2	Paper speed mm/min.
Bhakra	31.25	76.25			Electromag-netic (S)	Z	1	1	5500	1	1	20
BHK						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5500	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.5	7.5	5000	-	1	30
					Wood-Anderson	N	0.8		2000	1		30
						E	0.8		2000	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.5	7.5	5000		1	30
					Benioff	Z	1.0	0.2	-	-	1	30
							1.0	87.6			1	60
Calcutta	22.32	88.20	7	Milne Shaw Alluvium	Milne Shaw	E	12		250	0.7		8
CAL			6	Omori-Ewing	Omori-Ewing	E	19		25	-		25.4
						N	15		25	-		25.4
					Sprengnether	N	7.0	7.0	1000		1	30
Chatra	24.20	87.10	161	Sand stone	Benioff	Z	0.72	0.45	-	-	1	60
CHA					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		15
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Ramnive Quartzite	Sprengnether	E	7.6	7.6	1000		1	30
NDI					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.5	50K for		1	60
						N	1.0	0.5	50K TE=1		1	60
						E	1.0	0.5	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lonison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2343	Rock	Benioff(SP)	Z	1.0	0.75	50K for		1	60
KOD						N	1.0	0.75	50K TE=1		1	60
						E	1.0	0.75	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
					Milne-Shaw	E	12		250	0.7		8
Madras	13.00	80.11	23		Sprengnether	E	7.4	7.4			1	30
MDR						Z	1.5	1.5			1	60
Poona	18.32	73.51	559	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K for		1	60
POO						N	1.0	0.75	50K TE=1		1	60
						E	1.0	0.75	50K sec.		1	60
					Sprengnether (LP)	Z	15	100	1500 for		1	30
						N	15	100	1500 TE=15		1	30
						E	15	100	1500 secs.		1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		690	0.7		30
						E	0.8		840	0.8		30
Sehore	23.10	77.05			Benioff	Z	1.2	1.5			1	30
SEH					Wood-Anderson	N	0.8		860	1		30
						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite Sandstone (Shillong Quartzite)	Benioff(SP)	Z	1	0.75	200K for		1	60
SHL						N	1	0.75	200K TE=1		1	60
						E	1	0.75	200K sec		1	60
					Press-Ewing (LP)	Z	15	100	3000 for		1	30
						N	15	100	3000 TE=15		1	30
						E	15	100	3000 secs		1	30
					Sprengnether	E	6.7	6.7	2500		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57		Decomposed Laterite	Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0	-	250	0.7		12

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
01	NDI	i	01	54	11		
01	NDI	i	03	04	55		
		i		05	35		
01	NDI	e	03	23	37		
01	POO	eP	03	39	55		
01	NDI	e	06	05	25		
01	SHL	iP	07	03	48	DSW	
	CHA	iPn	07	04	24.5		4.6
		P*		04	32.7		
		Sn		05	19.4		
01	NDI	i	08	11	33		
01	CHA	iPg	10	53	16.4		2.0
		Sg		53	42.3	Mag.7½	
	SHL	iP	10	54	03	CNW	3.9
		eS		54	49		
	BOK	e	10	54	45		
01	NDI	e	10	56	50		
		i		56	55		
01	CHA	iPg	11	13	56.1		1.3
		Sg		14	13.1	Mag.3¾	
	SHL	iP	11	14	34	CNW	
01	NDI	i	11	17	25		
01	SHL	iP	19	19	47	D	1.9
		eS		20	12		
01	NDI	i	22	37	31		
01	NDI	iPg	23	58	48.1	CSW	0.25
		iSg		58	50.9	Mag. 23	
02	Epc: 21.0°S, 178.8°W - H = 00h 12m 52.8s (USCGS) Depth 604 km, Mag. 5.2 (CGS)						
	SHL	iP	00	25	29	CNW	
	CHA	i	00	30	06		
	NDI	eP	00	30	20	C	
		e		31	21		
	MDR	e	00	35	44		
		e		37	05		
02	NDI	i	01	40	12		
		i		40	16		
02	NDI	i	01	57	49		
02	SHL	eP	03	47	44		
	NDI	ePn	03	48	22.8		7.8
		eSn		49	59		
		i		50	10		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
02	NDI	i	04	21	39		
		i		22	32		
02	DDI	eP	06	03	14	C	
		e		03	29		
	NDI	eP	06	03	32		10.4
		eS		05	30		
02	NDI	i	06	56	34		
02	NDI	i	07	03	32		
02	Epc: 6.5°S, 153.1°E. - H = 08h 45m 40.6s (USCGS) Depth 62 km, Mag. 5.3 (CGS)						
	NDI	eP	08	57	50		
02	Epc: 6.6°S, 153.4°E, - H = 14h 38m 54.3s (USCGS) Depth 49 km, Mag. 5.1 (CGS)						
	SHL	iP	14	49	50	DSE	
	CHA	iP	14	50	17		
	NDI	iP	14	51	07		
02	NDI	e	14	54	39		
		e		54	56		
02	Epc: 6.7°S, 153.4°E. - H = 14h 54m 08.4s (USCGS) Depth 27 km, Mag. 5.2 (CGS)						
	SHL	iP	15	05	06	CNW	
	CHA	iP	15	05	33	D	
	BOK	iP	15	05	36		
	KOD	iP	15	06	04.2	CNW	
	NDI	iP	15	06	23.1		
		i		06	31		
	POO	eP	15	06	29		
	BOM	eP	15	06	34		85.0
		SKS		16	55		
		eS		16	58		
02	Epc: 28.0°N, 127.9°E. - H = 15h 40m 20.6s (USCGS) Depth 109 km. Mag. 4.9 (CGS)						
	SHL	iP	15	46	38	D	
	NDI	eP	15	48	20		
		i		48	50		
	KOD	iP	15	49	08.5	CW	
02	Epc: 11.7°N, 86.8°W -H = 15h 59m 43.4s (USCGS) Depth 39 km. Mag. 4.7 (CGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
02	KOD	iPKP	16	19	39.2	C	
02	SHL	eP	16	39	00		
02	Epc: 6.6°S, 105.2°E. - H = 17h 24m 13.2s (USCGS) Depth 33 km. Mag. 5.5 (CGS)						
	KOD	iP	17	30	43.2	CNW	
	SHL	iP	17	30	59	D	
	CHA	iP	17	31	25	D	
	POO	iP	17	31	45.2	C	
	NDI	iP	17	32	20.2	CNW	
	DDI	iP	17	32	25.7	C	
02	Epc: 37.6°N, 72.1°E. - H = 17h 49m 51.3s (USCGS) Depth 105 km. Mag. 4.3 (CGS)						
	DDI	iP	17	51	55.7	D	8.0
		eS		53	25		
		iSS		53	33		
	NDI	ePn	17	52	10		9.2
		iSn		53	52		
	BHK	e	17	52	50		
	CHA	iP	17	53	40	C	
	POO	eP	17	54	09		
	SHL	eP	17	54	25		
02	NDI	e	20	54	43		
03	NDI	e	01	54	55		
03	NDI	e	02	17	44		
03	NDI	e	04	41	30		
03	Epc: 1.0°S, 149.5°E. -H 04h 54m 47.3s (USCGS) Depth 17 km. Mag. 4.6 (CGS)						
	SHL	iP	05	05	06	D	
	KOD	iP	05	06	15	DSE	
	NDI	eP	05	06	29		
	POO	eP	05	06	39		
03	KOD	eP	07	20	11	DSW	
03	NDI	eP	07	33	01		11.3
		e		33	15		
		eS		35	09		
		SS		35	23		
		e		36	52		
03	CHA	eP	07	34	35		
	POO	eP	07	34	45		
	SHL	eP	07	35	36		
03	BOM	e	11	14	40		
03	CHA	iP	13	20	24	D	
03	NDI	i	14	35	16		
03	Epc: 10.9°N, 85.9°W - H = 18h 16m 03.2s (USCGS) Depth 21 km. Mag. 5.8(CGS)						
	NDI	ePKP	18	35	16		129.5
		i		35	29		
		PP		37	58		
		PKS		38	56		
		PPP		40	56		
		eScS		42	20		
		PS		48	15		
	DDI	ePKP	18	35	21		
		i		38	10		
	BOK	ePKP	18	35	37	CS	
		i		45	58		
	BOM	ePKP	18	35	38		
		e		36	14		
		PKS		39	16		
03	CHA	iPKP	18	35	38	D	
		PKS		39	16		
	POO	ePKP	18	35	38		145
		e		45	59		
	VIS	iPKP	18	35	52	D	
	MDR	iPKP	18	35	54	CE	151
		PP		39	33		
		PS		49	32		
	KOD	iPKP	18	35	56	CNW	154
		e		39	42		
03	NDI	iP	19	15	41.5	C	
03	Epc: 10.4°N, 86.2°W. - H = 19h 22m 39.2s (USCGS) Depth 33 km. Mag. 4.5 (CGS)						
	NDI	iPKP	19	42	03		
03	Epc: 52.6°N, 172.5°E. - H = 19h 50m 25.9s (USCGS) Depth 21 km. Mag. 5.1 (CGS)						
	SHL	iP	20	01	02	C	
	CHA	eP	20	01	16		

DATE	STN	PHASE	H	M	S		Δ Deg
03	NDI	eP	22	24	22		
04	Epc: 10.7°N, 86.0°W						
	-H = 06h 02m 16.4s (USCGS)						
	Depth 33 km. Mag. 5.3 (CGS)						
	NDI	iPkP	06	21	40.1	D	
	POO	ePKP	06	21	50		
	MDR	ePKP	06	22	07	D	
	KOD	ePKP	06	22	11.5	DSW	
04	Epc: 3.3°S, 139.7°E						
	-H =06h 18m 33.2s (USCGS)						
	Depth 52 km. Mag. 5.2 (CGS)						
	SHL	iP	06	27	58	CNW	
	CHA	iP	06	28	30	D	
	KOD	iP	06	29	00.2	DSE	
	NDI	iP	06	29	27	C	
	POO	i	06	29	31		
04	SHL	iP	06	50	17	DW	
04	CHA	iP	06	50	42	D	4.0
		S		51	30		
04	NDI	i	07	12	11		
04	Epc: 24.1°S, 66.8°W						
	- H = 07h 55m 26.3s (USCGS)						
	Depth 195 km. Mag 4.1 (CGS)						
	KOD	iP	07	18	08.5	DSW	
04	BOK	e	08	18	43		
04	BOK	e	08	27	03		
04	Epc: 14.1°N, 92.5°W.						
	- H =09h 00m 06.5s (USCGS)						
	Depth 41 km. Mag. 4.5 (CGS)						
	POO	ePKP	09	19	41		
04	Epc: 4.8°S, 150.7°E.						
	- H =10h 24m 41.1s (USCGS)						
	Depth 92 km.						
	BOK	e	10	29	19		
04	Epc: 5.7°S, 153.9°E						
	- H = 17h 21m 20.7s (USCGS)						
	Depth 52 km						
	PBA	eP	17	31	48		
		PP		34	17		
		i		40	26		
	SHL	iP	17	32	15	CNW	68.0
04 Contd.	SHL	iPcP	17	32	37		
		ePP		34	55		
		PcS		36	53		
		iS		41	13		
	CAL	iP	17	32	32	SE	70.7
		eS		41	46		
	BOK	iP	17	32	42	CNW	72.5
		PcP		33	01		
		PP		35	31		
		iS		42	07		
		PS		42	43		
		PPS		42	52		
		SS		46	44		
		SSS		49	51		
	CHA	iP	17	32	43	CNW	72.6
		S		42	08		
	VIS	eP	17	32	50	E	73.0
		PP		35	49		
		iS		42	16		
		ePS		43	05		
	MDR	eP	17	33	00	E	75.5
		PcP		33	20		
		iS		42	36		
		SKS		43	03		
	KOD	iP	17	33	14	CSW	78.0
		ePcP		33	38		
		iS		43	08		
		ScS		43	24		
		SS		48	10		
	NDI	iP	17	33	31.6	CNW	81.6
		PcP		33	38		
		i		36	48		
		PPP		38	32		
		iS		43	38		
		PS		44	30		
		SS		49	02		
	DDI	iP	17	33	31.8	C	81.7
		iS		43	39		
	GOA	eP	17	33	36.5		
		PP		36	50		
		eS		43	44		
		iSKS		43	49		
		PS		44	45		
	POO	iP	17	33	38.7	C	
		iSKS		43	54		
		eSS		49	24		
	BOM	iP	17	33	46	CSW	84.0
		iPcP		33	54		
		ePP		37	03		
		e		43	30		
		SKS		44	04		

DATE	STN	PHASE	H	M	S		Δ Deg
04	SHL	ePg	20	00	59		0.5
		eSg		01	07		
04	Epc: 6.6°S, 130.0°E. - H = 21h 25m 08.2s (USCGS) Depth 144 km. Mag. 5.0 (CGS)						
	SHL	iP	21	33	41	CNW	
	CHA	iP	21	34	13	C	
	POO	eP	21	35	06		
	NDI	iP	21	35	11.2	C	
04	Epc: 5.8°S, 153.8°E. -H=23h 14m 32.6s (USCGS) Depth 76 km.						
	SHL	iP	23	25	24	DSE	
	CHA	iP	23	25	51	C	
	NDI	iP	23	26	40.5	D	
		i		26	50		
05	Epc: 8.6°N, 126.8°E. - H = 02h 12m 31.9s (USCGS) Depth 57 km. Mag. 5.2 (CGS)						
	CHA	iP	02	20	15	D	
	NDI	iP	02	21	22.6	D	
		i		21	37		
05	Epc: 5.8°S, 154.0°E. - H = 04h 07m 41.9s (USCGS) Depth 75 km. Mag. 4.6 (CGS)						
	SHL	iP	04	18	35	CNW	
	CHA	iP	04	19	03	C	
	MDR	e	04	19	30		
	KOD	iP	04	19	35	DSE	
	DDI	iP	04	19	40.5		
	NDI	iP	04	19	51.6	C	
	POO	eP	04	19	59		
05	POO	eP	04	28	26		
05	SHL	iP	04	39	22	C	
	CHA	iP	04	39	29.2	D	2.7
		eS		40	03.2		
05	NDI	eP	04	59	00		9.2
		iS	05	00	45.5		
	DDI	eP	04	59	14		10.2
		eS	05	01	10		
	POO	e	04	59	23		

DATE	STN	PHASE	H	M	S		Δ Deg
05 Contd.	BOK	e	05	00	57		
	CHA	eP	05	00	58		
	SHL	i P	05	01	46	DNW	
	BOM	e	05	02	38		
	MDR	e	05	07	27		
05	NDI	i	08	42	35		
05	Epc: 14.5°S, 75.4°W - H = 09h 41m 31.4s (USCGS) Depth 100 km. Mag. 5.6 (CGS)						
	DDI	ePKP	10	01	11		
	POO	ePKP	10	01	15		
	NDI	ePKP	10	01	16		
	KOD	iPKP	10	01	38.7	D	
05	BOK	e	10	36	01		
05	DDI	eP	11	08	25		
05	Epc: 37.8°N, 20.7°E. - H = 12h 00m 51.2s (USCGS) Depth 15 km. Mag. 5.0 (CGS)						
	NDI	eP	12	09	25		
	POO	eP	12	09	50		
	CHA	iP	12	10	31	C	
	KOD	iP	12	10	39.6	CSW	
	SHL	iP	12	10	59	CS	
05	Epc: 5.2°S, 154.1°E. - H = 12h 35m 38.8s (USCGS) Depth 100 km. Mag. 5.2 (CGS)						
	SHL	iP	12	46	27	C	
	NDI	eP	12	47	39		
05	DDI	eP	13	05	53		
05	NDI	e	13	21	50		
05	NDI	eP	14	06	11		5.5
		iS		07	16		
05	SHL	ePg	15	40	37		1.2
		eSg		40	55		
	DDI	eP	15	47	57		2.5
		eS		48	28		
	NDI	iPn	15	48	07.5		3.2
		eSn		48	47		
	CHA	iP	15	48	47.4	D	5.9
		eS		49	57		

DATE	STN	PHASE	H	M	S		Δ Deg
05	BOK	e	15	49	39		
Contd.	POO	e	15	50	15		
05	Epc: 45.4°N, 150.7°E. - H = 15h 55m 02.8s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	SHL	iP	16	04	01	CSW	
	CHA	iP	16	04	21	C	
	DDI	iP	16	04	49.1	C	
	NDI	iP	16	05	01.5		
	MDR	iP	16	05	54	C	
	KOD	iP	16	06	19	CNE	
	POO	i	16	06	59		
05	CHA	ePg	16	18	16.1		1.6
		Sg		18	37.6		
05	Epc: 8.5°S, 107.1°E - H =17h 39m 54.6s (USCGS) Depth 18 km. Mag. 4.6 (CGS)						
	CHA	iP	17	47	29		
		i		49	36		
	NDI	eP	17	48	24		46.1
		e		54	58		
		eS		55	09		
05	Epc: 6.3°S, 153.0°E - H = 17h 58m 36.6s (USCGS) Depth 54 km. Mag. 5.0 (CGS)						
	SHL	iP	18	09	29	CE	
	NDI	iP	18	10	45		
05	SHL	iPg	19	59	31	CNW	1.0
		eSg		59	45		
05	Epc: 6.2°S, 154.9°E - H = 19h 48m 30s (USCGS) Depth 45 km. Mag. 4.8 (CGS)						
	CHA	eP	20	00	01		
	KOD	iP	20	00	30.5	DSE	
	NDI	iP	20	00	47		
		i		01	01		
	POO	eP	20	00	55		
05	CHA	ePg	20	24	55.9		1.8
		Sg		25	19.4		
	SHL	eP	20	25	17		3.2
		eS		25	56		
05	CHA	iPg	20	53	53.1	D	0.7
		Sg		54	02.2	M=3¾	
	SHL	eP	20	54	53		
05	NDI	eP	20	57	05		5.5
		eS		58	09		
05	SHL	iP	21	52	48	D	
	CHA	iP	21	53	27	D	
	DDI	eP	21	54	34.1		
05	CHA	iP	23	36	49	D	
06	NDI	i	02	54	11		
06	Epc: 10.3°S, 66.4°E - H = 03h 59m 51.0s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	KOD	iP	04	04	32.6	CNW	
		i		08	36		
	MDR	eP	04	05	13		
	POO	eP	04	05	33		
		e		10	26		
	NDI	iP	04	07	06.7		38.3
		eS		13	02		
	CHA	eP	04	07	23		
	BOM	e	04	10	30		
	BOK	e	04	15	06		
06	NDI	i	04	25	23		
06	NDI	i	04	43	12		
06	NDI	e	04	47	36		
06	NDI	e	05	20	25		
06	Epc: 57.7°N, 65.3°E - H = 07h 00m 02.3s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	NDI	iP	07	06	10		
	KOD	iP	07	08	40.2	DN	
06	BOK	e	08	42	23		
06	DDI	iP	08	51	30.5	D	5.5
		iS		52	35		
	NDI	ePn	08	51	46		6.3
		iSn		52	59.5		
	BHK	eP	08	52	10		
06	BOK	e	09	19	28		

DATE	STN	PHASE	H	M	S		Δ Deg
06	NDI	i	11	19	19		
06	NDI	e	11	52	17		
06	NDI	e	16	11	51		
06	NDI	e	16	22	51		
06	NDI	i	19	06	15		
06	SHL	iP	19	35	44	CSW	
	CHA	iP	19	36	24	D	
06	NDI	i	22	39	47		
06	SHL	eP	23	57	19		2.0
		eS		57	55		
07	SHL	eP	00	37	25		
07	Epc: 29.6°S, 71.1°W. - H = 01h 14m 04.1s (USCGS) Depth 42 km. Mag. 5.3 (CGS)						
	KOD	iPKP	01	33	37.5	DNE	
	POO	iPKP	01	33	41	C	
	NDI	$ePKP_1$	01	33	50		152.0
		$iPKP_2$		34	08		
07	NDI	e	02	26	18		
		e		27	40		
07	SHL	iPg	05	52	11	CN	
		eSg		52	27		
07	BOK	e	07	28	25		
07	MDR	e	07	39	17		
07	BOK	e	08	00	52		
07	Epc: 49.2°N, 156.3°E. - H = 08h 28m 01.2s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	SHL	iP	08	37	27	CSW	
	CHA	iP	08	37	44	C	
	DDI	iP	08	38	08.1	C	
	NDI	iP	08	38	18	C	
	PBA	eP	08	38	34		
	POO	iP	08	39	20	C	
	BOM	eP	08	39	21		
	KOD	iP	08	39	40.8	DNE	
	BOK	eS	08	46	29		
07	Epc: 49.2°N, 156.3°E. - H = 09h 06m 52.3s (USCGS) Depth 33 km. Mag. 4.9 (CGS)						
07	SHL	iP	09	16	19	C	
Contd.	CHA	eP	09	16	36		
	DDI	iP	09	16	59.6	C	
	NDI	eP	09	17	09		
	MDR	eP	09	18	11		
	POO	iP	09	18	11	C	
	KOD	iP	09	18	32	DE	
07	BOM	e	13	12	13		
07	SHL	iP	14	46	45	D	
07	BOM	e	15	23	-		
07	KOD	eP	15	39	40.5	CSW	
		i		39	48		
07	NDI	e	16	30	32		
		i		31	19		
07	NDI	e	17	13	19		
07	Epc: 5.6°S, 153.7°E. Depth=92 km. Mag. 5.3 (CGS) - H =19h 52m 07.4s (USCGS)						
	SHL	iP	20	02	57	DSE	
	CHA	iP	20	03	26	D	
	KOD	iP	20	03	57.6	D	
	NDI	iP	20	04	14.4	DE	
	POO	eP	20	04	22		
07	Epc: 5.0°S, 153.9°E - H = 20h 46m 46.0s (USCGS) Depth 107 km. Mag. 5.5 (CGS)						
	SHL	iP	20	57	32	CNW	
	CHA	iP	20	57	57	C	
07	NDI	eP	21	37	24		3.8
		iS		38	10.2		
07	POO	ePg	23	19	37.3		1.1
		Sn		19	57.3		
08	NDI	iP	03	07	00		3.9
08	Epc: 49.3°N, 156.3°E. - H = 05h 29m 58.4s (USCGS) Depth 42 km . Mag. 4.4 (CGS)						
	SHL	iP	05	39	23		
	POO	eP	05	41	16		
	BOM	e	05	41	17		
08	SHL	ePg	07	14	36		
		eSg		14	51		

DATE	STN	PHASE	H	M	S		Δ Deg
08	BOM	e	12	02	--		
08	CHA	iP	13	57	38.6		2.5
		S		58	09.4		
08	Epc: 6.6°S, 153.4°E. - H = 13h 55m 48.4s (USCGS) Depth 40 km. Mag. 5.1 (CGS)						
	SHL	iP	14	06	45	D	
	CHA	iP	14	07	13	D	
08	NDI	iP	15	37	50		
08	Epc: 9.5°S, 148.8°E. - H = 16h 59m 34.9s (USCGS) Depth 17 km. Mag. 5.5 (CGS)						
	SHL	iP	17	10	17	DSE	65.5
		iS		19	06		
		ePPS		19	44		
		eSKS		20	14		
	CHA	iP	17	10	47	C	
	BOK	iP	17	10	47		
	KOD	iP	17	11	09.5	CW	
	POO	eP	17	11	16		
		ePPS		21	40		
	NDI	iP	17	11	37.3	CNW	79.0
		eS		21	38		
	BOM	eP	17	11	43		80.2
		eS		21	48		
08	CHA	iP	17	18	32	D	
08	Epc: 5.6°S, 154.0°E. -H = 18h 08m 18.1s (USCGS) Depth 70 km. Mag. 5.1 (CGS)						
	PBA	eP	18	18	41		63.2
		iS		27	11		
	SHL	iP	18	19	11	CNW	68.0
		eS		28	02		
	CHA	iP	18	19	39	CSW	72.8
		eS		29	02		
	BOK	iP	18	19	41	CW	73.0
		PP		22	29		
		PPP		24	09		
		iS		29	04		
		i		29	19		
		SKS		29	39		
		PPS		29	56		
	VIS	iP	18	19	46	DE	
08 Contd.	MDR	iP	18	19	57	CE	75.8
		iS		29	35		
		SKS		29	53		
	KOD	iP	18	20	10.7	CNW	
	NDI	iP	18	20	27.7		81.7
		eS		30	32		
		eSKS		30	40		
	POO	iP	18	20	35	C	
		eSKS		30	48		
	BOM	iP	18	20	42	CS	
		e		30	46		
08	SHL	iP	19	01	35	D	
08	Epc: 0.1°N, 121.6°E. - H = 20h 11m 12.7s (USCGS) Depth 71 km. Mag. ?						
	SHL	iP	20	18	31	D	
	POO	eP	20	20	06		
08	Epc: 49.2°N, 156.3°E. - H = 21h 09m 13.1s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	SHL	iP	21	18	39	DNE	
	CHA	eP	21	18	50		
	NDI	eP	21	19	30		
		e		20	23		
	POO	eP	21	20	31.5		
	BOM	eP	21	20	35		
	KOD	iP	21	20	53	D	
08	Epc: 49.3°N, 156.3°E. - H = 21h 19m 46.3s (USCGS) Depth 23 km. Mag. 4.5 (CGS)						
	SHL	iP	21	29	14	DSW	
	CHA	i	21	29	31		
	POO	eP	21	31	06		
08	SHL	eP	23	03	24		
08	SHL	ePg	23	28	17		0.8
		eSg		28	28		
09	Epc: 23.2°N, 142.4°E. - H = 00h 12m 21.4s (USCGS) Depth 33 km. Mag. 4.3 (CGS)						
	SHL	e	00	20	58		

OCTOBER 1967

DATE	STN	PHASE	H	M	S		Δ Deg
09	NDI	i	02	39	38		
09	Epc: 30.7°N, 141.3°E. - H = 02h 49m 42.5s (USCGS) Depth 33 km. Mag. 4.4 (CGS)						
	NDI	iP	02	59	14		
09	Epc: 1.5°N, 127.1°E. - H = 04h 04m 55.9s (USCGS) Depth 127 km. Mag. 5.3 (CGS)						
	SHL	iP	04	12	33	DSE	
	KOD	iP	04	13	40	DE	
	NDI	iP	04	14	13	D	
	POO	i	04	14	15		
09	SHL	ePg	04	55	07		0.9
		eSg		55	18		
09	SHL	eP	09	56	43		
09	SHL	iP	10	21	27	CW	
09	SHL	ePg	12	41	22		0.6
		eSg		41	31		
09	NDI	eP	13	06	45		
09	BOM	e	13	19	--		
09	Epc: 5.7°S, 154.0°E. - H = 13h 27m 56.7s (USCGS) Depth 41 km. Mag. 4.9 (CGS)						
	SHL	iP	13	38	52	CNW	68.7
		iS		47	48		
	CHA	iP	13	39	20	C	
	BOK	iP	13	39	22		
		i		48	45		
	MDR	eP	13	39	39		77.0
		eS		49	19		
	KOD	iP	13	39	51.8	CNW	79.4
		iS		49	44		
	NDI	iP	13	40	09	CNW	82.2
		eS		50	16		
	POO	eP	13	40	16		84.0
		eS		50	26		
	BOM	iP	13	40	23	WC	85.4
		SKS		50	44		
		iS		50	56		
	PBA	i	13	46	53		
09	Epc: 54.1°N, 155.1°E. - H = 14h 10m 57.1s (USCGS) Depth 393 km. Mag. 5.2 (CGS)						
	SHL	iP	14	19	44	CSW	
Contd.	CHA	iP	14	19	58.7		
	NDI	iP	14	20	25	C	
		iPP		22	47		
		i		24	30		
		i		31	50		
	POO	eP	14	21	29		
	KOD	iP	14	21	55	DNE	
09	Epc: 21.1°S, 179.3°E. - H = 17h 21m 49.5s (USCGS) Depth 654 km.						
	PBA	iP	17	33	55	D SE	92.0
		i		37	45		
		iSKS		43	29		
		iS		44	08		
	SHL	iP	17	34	19	DSE	98.5
		iSKS		43	54		
		iS		44	27		
	BOK	iP	17	34	40	DSE	102.0
		ePKP		38	46		
		ePP		39	02		
		iSKS		44	15		
		SKKS		44	59		
		PS		48	41		
		i		52	59		
	CHA	iP	17	34	41	DNE	102.2
		i		38	14		
		i		39	05		
		SKS		44	17		
		iS		45	37		
	VIS	iP	17	34	41	CW	102.2
		e		37	35		
		iSKS		44	17		
		SKKS		44	59		
		e		52	34		
	MDR	iP	17	34	48	DW	104.0
		PP		39	15		
		iSKS		44	24		
		iS		45	49		
	KOD	eP	17	34	56		105.6
		iPP		39	44		
		PPP		41	49		
		iSKS		45	22		
		eS		46	00		
		PPS		50	05		
		SS		54	04		
	NDI	iP	17	35	18.3		110.6
		e		38	38		
		iPKP		39	11.5		

DATE	STN	PHASE	H	M	S	Δ Deg	
09	NDI	i	17	39	54		
Contd.		iS KS		44	53		
		SKKS		45	52		
	POO	eP	17	35	22	111.5	
		ePKP		39	13		
		ePKS		43	02		
		eSKS		44	56		
		SKKS		46	00		
		i		46	54		
		i		48	54		
	BOM	eP	17	35	27	112.5	
		ePKP		39	17		
		ePKS		42	51		
		eSKS		45	02		
		SKKS		45	16		
	GOA	e	17	38	24	112.0	
		P KP		39	14		
		PP		40	35		
		PPP		41	55		
		PKS		43	06		
		SS		50	11.9		
	DDI	ePKP	17	39	11		
	BHK	ePKP	17	39	16		
09	SEH	i	17	38	44		
		i		39	19		
		i		39	56		
		ScS		44	50		
		SKKS		45	52		
		e?		46	39		
09	NDI	i	18	17	17		
09	NDI	e	18	35	20		
09	NDI	i	18	50	33.6		
09	NDI	e	19	27	46		
09	SHL	iP	23	29	53	CNE	
	CHA	iP	23	30	49	D	7.6
		eS		32	17		
10	SHL	iPg	00	33	47	DSW	0.8
		eSg		33	57		
10	Epc: 36.9°N, 115.1°E. - H = 01h 07m 49.7s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	SHL	eP	01	12	50		
	CHA	eP	01	13	16		
	NDI	iP	01	14	19		
	KOD	iP	01	15	48.1	C	

DATE	STN	PHASE	H	M	S	Δ Deg	
10	NDI	e	02	22	04		
10	NDI	i	0	2	31	05	
10	KOD	eP	02	48	30.5	DSW	
10	Epc: 9.5°S, 155.1°E - H = 03h 01m 47.7s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	SHL	eP	03	13	02		
	KOD	iP	03	13	54.6	C	
	NDI	eP	03	14	15		
	POO	eP	03	14	20		
10	NDI	i	03	17	15		
10	NDI	e	04	47	39		
10	Epc: 5.6°S, 153.9°E. - H = 05h 15m 13.3s (USCGS) Depth 67 km. Mag. 4.7 (CGS)						
	KOD	eP	05	27	06	DSE	
	DDI	iP	05	27	20.8	C	
	NDI	iP	05	27	22.3	C	81.5
		iPcP		27	32		
		eS		37	28		
		ScS		37	46		
	POO	eP	05	27	29		
	BOM	eP	05	27	36		
		e		38	14		
10	NDI	iP	06	26	16.5	C	
10	Epc: 36.9°N, 141.0°E. - H = 06h 46m 58.5s (USCGS) Depth 25 km. Mag. 5.0 (CGS)						
	POO	iP	06	57	10.7	C	
	KOD	iP	06	57	22.1	D	
10	BOK	e	10	36	23		
10	NDI	e	11	45	06		
		i		45	09		
10	NDI	i	14	39	12		
		i		39	16		
10	NDI	i	15	28	23		
10	NDI	e	15	33	33		
10	NDI	i	17	02	50		
10	NDI	i	18	35	45		
10	NDI	i	18	38	40		
10	NDI	e	19	35	07		

DATE	STN	PHASE	H	M	S	Δ Deg	
10	NDI	e	19	47	35		
		e		49	04		
10	NDI	ePn	20	44	28		
		i		46	08		
	DDI	e	20	44	35		
10	Epc: 23.9°N, 142.5°E - H = 21h 20m 26.5s (USCGS) Depth 33 km. Mag. 4.7 (CGS)						
	SHL	iP	21	28	51		CS
11	NDI	e	02	02	25		
11	NDI	e	02	10	27		
11	SHL	eP	02	39	53		
11	BOK	e	08	11	58		
11	BOK	e	08	38	04		
11	PBA	ePg	10	38	06.4	0.8	
		iSg		38	16.4		
11	POO	eP	10	45	51		
11	POO	eP	11	53	53		
11	Epc: 5.6°S, 153.8°E. - H = 13h 14m 21.2s (USCGS) Depth 69 km. Mag. 4.5 (CGS)						
	SHL	iP	13	25	13		DSE
	CHA	iP	13	25	41		D
	NDI	eP	13	26	30		
	POO	eP	13	26	36		
11	DDI	iP	15	01	47.8		D
11	SHL	eP	15	15	49		
	CHA	i	15	16	50		
11	NDI	iPg	15	43	41	NEC	0.2
		iSg		43	43.6		
11	Epc: 30.4°N, 142.6°E. - H = 15h 52m 16.8s (USCGS) Depth 32 km. Mag. 5.5 (CGS)						
	SHL	iP	16	00	27		DNS
	CHA	iP	16	00	58		D
	BOK	eP	16	01	15		
	NDI	iP	16	01	55		DNE
	MDR	eP	16	02	21		
		PPP		06	02		
		e		10	46		

DATE	STN	PHASE	H	M	S	Δ Deg	
11	POO	eP	16	02	41		
Contd.	KOD	iP	16	02	46		CW
	BOM	iP	16	02	47		DE
11	Epc: 30.5°N, 142.6°E. - H = 16h 25m 00.5s (USCGS) Depth 33 km. Mag. 5.0 (CGS)						
	CHA	iP	16	33	42		
	NDI	iP	16	34	39		
	POO	eP	16	35	25		
11	Epc: 44.4°N, 146.0°E. - H = 18h 41m 21.4s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	CHA	iP	18	50	15		C
	NDI	eP	18	50	55.8		
	POO	eP	1 8	51	57		
11	DDI	iP	19	46	45.8		D
11	Epc: 10.3°S, 71.2°W. - H = 20h 28m 10.2s (USCGS) Depth 585 km. Mag. 5.0 (CGS)						
	BOM	ePKP	20	46	41		
	POO	ePKP	20	46	43		
	KOD	iPKP	20	46	50		DSW
	MDR	eP	20	46	55		D
	CHA	ePKP	20	46	58		
		i		47	06		
		i		49	21		
	SHL	iPKP	20	47	02		DS
		i		47	39		
12	SHL	iP	02	51	12		CSW
12	NDI	i	03	38	49		
12	NDI	iP	03	40	58		
12	Epc: 28.3°N, 126.9°E - H = 03h 50m 03.4s (USCGS) Depth 225 km. Mag. 4.9 (CGS)						
	SHL	iP	03	56	03		
	CHA	iP	03	56	38		C
	NDI	iP	03	57	44.7		D
	POO	eP	03	58	31		
	KOD	iP	03	58	33		CW
		iPcP		59	52		

DATE	STN	PHASE	H	M	S		Δ Deg
12	NDI	i	04	10	28		
12	NDI	iP	04	55	51	C	
	DDI	ePKP	04	56	02.2		
		i		58	04.4		
	POO	eP	04	56	54		
	CHA	e	04	57	49		
12	NDI	i	06	12	48		
		i		12	52		
12	NDI	i	06	16	25		
12	POO	eP	06	37	(27)		
12	Epc: 21.1°S, 179.2°W - H = 06h 35m 06.7s (USCGS) Depth 636 km. Mag. 5.6 (CGS)						
	SHL	iP	06	47	37	DSW	98.0
		iSKS		57	14		
	CHA	eP	06	47	59		
		i		52	15		
	BOK	e	06	52	10		
		iSKS		57	38		
		e	07	00	27		
	KOD	iPKP	06	52	21	DN	
	NDI	iPKP	06	52	30.5	C	
	DDI	ePKP	06	52	31		
	POO	ePKP	06	52	32		
	MDR	ePP	06	52	35		
		eSKS		57	47		
		e		59	07		
		e	07	02	07		
	BOM	e	06	53	27		
		e	07	00	21		
	PBA	iSKS	06	56	47		
	CAL	iSKS	06	57	26	E	
12	BOK	e	08	02	57		
12	NDI	i	08	41	09		
		i		41	53		
		i		42	53		
	SHL	iP	08	42	36	DNW	
	CHA	eP	08	43	47.1		
		e		44	52		
12	BOM	ePg	09	01	33		0.1
		eSg		01	34		

DATE	STN	PHASE	H	M	S		Δ Deg
12	Epc: 52.2°N, 152.5°E - H = 12h 53m 46.9s (USCGS) Depth 476 km. Mag. 5.5 (CGS)						
	SHL	iP	13	02	15	CSE	52.0
		iS		09	02		
	CHA	iP	13	02	29	D	54.0
		S		09	31		
	BOK	iP	13	02	51	DNE	57.5
		iS		10	11		
	DDI	eP	13	02	50	D	57.3
		ePcP		03	27		
		eS		10	08		
	NDI	iP	13	03	01.7	DNE	58.5
		iS		10	29		
	PBA	iP	13	03	25	C	62.5
		iS		11	17		
	POO	iP	13	04	03	D	68.5
		eS		12	27		
	BOM	iP	13	04	05	DN	68.7
		iS		12	31		
	MDR	iP	13	04	05	DN	68.7
		iS		12	31		
	KOD	iP	13	04	26.8	DNE	
	CAL	iS	13	10	13		
12	NDI	i	13	32	13		
12	Epc: 7.1°S, 129.8°E. - H = 18h 31m 37.1s (USCGS) Depth 45 km. Mag. 6.2 (CGS)						
	PBA	iP	18	39	18	CW	
		PPP		41	20		
		PcS/iScP		45	11		
	SHL	iP	18	40	23	CNW	
	CAL	iP	18	40	33	W	
	VIS	i P	18	40	47	DSW	52.3
		ePP		42	45		
		ePPP		43	54		
		eS		48	04		
	BOK	iP	18	40	50	CNW	52.8
		PcP		42	02		
		PP		42	52		
		eS		48	10		
	MDR	iP	18	40	50		52.0
		PcP		42	02		
		eS		48	10		

DATE	STN	PHASE	H	M	S		Δ Deg
12	CHA	iP	18	40	54	C	
	KOD	eP	18	41	04	CNW	
		e		44	30		
	POO	iP	18	41	45.2	C	
		e		50	24		
	DDI	iP	18	41	54.3	C	
		e		51	00		
	NDI	iP	18	41	54	CNW	60.5
		eS		50	05		
	BOM	iP	18	41	55	CW	
		ePP		44	15		
12	NDI	e	20	25	03		
12	SHL	eP	20	41	21		
12	CHA	eP	21	33	35		
12	SHL	ePg	23	30	16		0.3
		eSg		30	21		
13	NDI	i	02	37	56		
13	NDI	e	03	23	56		
13	NDI	i	03	26	30		
13	Epc: 39.7°N, 74.4°E - H = 03h 24m 47.0s (USCGS) Depth 33 km. Mag. 5.2 (CGS)						
	DDI	eP	03	27	07		9.3
		eS		28	53		
	NDI	eP	03	27	27		11.0
		iS		29	31		
	CHA	eP	03	28	34		
		iPP		28	46		
	BOK	eP	03	28	58		
	SHL	iP	03	29	21	CSE	
	BOM	e	03	35	50		
	KOD	iP	03	30	49	DS	
	MDR	eSS	03	35	50		
		e		38	49		
13	NDI	e	03	49	37		
13	NDI	e	04	32	05		
13	CHA	iP	04	52	42	D	6.1
		S		53	53		
13	KOD	eP	06	01	05	DW	
		e		37	13		
13	SHL	iP	06	01	29		

DATE	STN	PHASE	H	M	S		Δ Deg.
13	CHA	iP	06	02	28.1	C	6.7
		S		03	47		
13	Epc: 3.9°S, 141.0°E - H = 07h 26m 31.5s (USCGS) Depth 38 km. Mag. 5.3 (CGS)						
	NDI	eP	07	37	45		
13	NDI	i	07	54	56		
13	NDI	eP	08	37	29		
13	NDI	i	09	04	10		
13	Epc: 4.9°S, 152.5°E. - H = 12h 39m 28.8s (USCGS) Depth 56 km. Mag. 5.1 (CGS)						
	SHL	iP	12	50	13	CW	
	NDI	iP	12	51	33		
13	SHL	eP	13	04	13		1.8
		eS		04	37		
13	DDI	eP	13	10	28.5		
		i		11	20		
13	NDI	i	13	17	40.5		
		i		17	45		
13	NDI	e	13	22	22		
13	NDI	i	14	40	49		
13	NDI	eP	14	44	14		8.9
		eS		45	54		
13	NDI	eP	15	11	03		4.9
		eS		12	01		
13	NDI	e	18	09	51		
13	NDI	i	19	05	52.5		
13	Epc: 36.5°N, 138.2°E - H = 19h 48m 48.1s (USCGS) Depth 30 km. Mag, 4.6 (CGS)						
	SHL	eP	19	56	27		
	NDI	eP	19	57	52		
13	NDI	e	20	24	59		
13	NDI	ePg	20	51	41.3		0.7
		iSg		51	49.5		
13	BHK	ePg	21	58	23		0.8
		eSg		58	33.4		
	DDI	iPg	21	58	35.8		1.5
		eSg		58	58		
	NDI	ePn	21	58	57.5		
		i		59	29		
		e		59	49		

DATE	STN	PHASE	H	M	S		Δ Deg
13	CHA	iP	22	00	33	C	
13	NDI	e	22	26	20		
13	NDI	e	22	52	34		
13	SHL	eP	22	58	39		
13	POO	eP	23	37	14		
14	SHL	iP	00	30	37	CNW	
14	CHA	iP	00	31	54.1	C	6.0
		S		33	03.6		
14	NDI	eP	00	36	34		
14	NDI	i	01	04	07		
14	NDI	e	02	28	36		
14	NDI	i	02	36	27		
14	NDI	e	02	39	31		
14	POO	eP	03	29	29		
14	SHL	eP	03	53	35		
14	NDI	i	04	44	46		
14	CHA	iPg	04	54	41.3		1.3
		Sg		54	58.8		
14	NDI	i	05	07	28		
14	NDI	i	05	23	20		
14	NDI	iP	07	00	39		
14	BOK	e	07	25	42		
14	POO	eP	07	37	42		
14	POO	eP	08	36	47		
14	BOK	e	09	09	14		
14	BOK	e	10	04	23		
14	BOK	e	10	06	37		
14	NDI	e	10	59	53		
14	NDI	i	11	04	14		
14	NDI	e	12	10	30		
14	Epc: 15.9°S, 167.2°E						
	- H = 16h 08m 11.9s (USCGS)						
	Depth 15 km. Mag. 5.1 (CGS)						
	SHL	iP	16	20	44	CSE	
14	SHL	ePg	17	40	03		0.3
		eSg		40	08		
14	NDI	e	18	02	29		
14	POO	eP	20	25	44		

DATE	STN	PHASE	H	M	S		Δ Deg
14	SHL	eP	20	45	51		
14	POO	eP	22	01	18		
14	Epc: 3.3°S, 38.2°E						
	- H =23h 29m 30.0s (USCGS)						
	Depth 33 km. Mag. 5.2 (CGS)						
	NDI	iP	23	38	15		
	DDI	eP	23	38	34.1		
	CHA	eP	23	39	07		
	SHL	iP	23	39	30		
	MDR	e	23	44	18		
		e		52	53		
15	NDI	eP	01	09	38		
15	NDI	i	01	49	30		
15	Epc: 52.2°N, 160.8°E						
	- H = 03h 29m 27.9s (USCGS)						
	Depth 35 km. Mag. 4.4 (CGS)						
	POO	eP	03	40	58		
15	Epc: 14.7°N, 56.4°E						
	- H = 06h 36m 39.7s (USCGS)						
	Depth 33 km. Mag. 5.1 (CGS)						
	POO	eP	06	40	44		
	NDI	eP	06	41	54		
	SHL	iP	06	43	33	DNW	
15	Epc: 11.9°N, 86.0°W						
	- H = 08h 00m 50.3s (USCGS)						
	Depth 162 km. Mag. 6.2 (CGS)						
	NDI	e	08	17	03		131.6
		ePcP		19	40		
		i		19	56		
		SPKP		20	36		
		PPP		25	03		
		SKS		26	36		
		PS		32	24		
		SS		39	28		
		i		45	25		
	DDI	ePKP	08	19	40.5		
	CHA	iPKP	08	19	58	C	
		iPP		23	03		
		i		23	41		
	BOM	ePKP	08	20	00	CSE	
	BOK	iPKP	08	20	02	CSE	140.5
		pPKP		20	42		
		sPKP		20	56		
		PP		23	05		
		SKS		26	48		

DATE	STN	PHASE	H	M	S		Δ Deg
15	SHL	iPKP	08	20	02	DSW	
	POO	ePKP	08	20	03		142.2
		i		23	17		
		ePKS		23	33		
		ePPP		26	35		
		eSS		41	48		
	CAL	iPKP	08	20	14	SW	
	VIS	ePKP	08	20	18		149.8
		ePP		23	56		
	MDR	ePKP	08	20	20		
	KOD	iPKP	09	20	23.5	CSW	152.0
		PKS		23	56		
		PP		24	14		
		PPP		27	42		
		eSS		43	24		
	PBA	iPKP	08	20	27	C	
		i		20	30		
		i		26	35		
15	CAL	i	17	05	54		
15	Epc: 52.1°N, 169.5°W -H = 17h 38m 43.1s (USCGS) Depth 32 km. Mag. 4.5 (CGS)						
	SHL	iP	17	50	23	CSW	
	CHA	iP	17	50	34	D	
	NDI	iP	17	50	52.9		
	POO	eP	17	51	44		
15	Epc: 42.5°N, 140.3°E, - H = 17h 50m 27.6s (USCGS) Depth 139 km.						
	NDI	iP	17	59	25.6		
15	KOD	iP	18	56	02	C	
15	Epc: 36.8°N, 105.0°E - H = 21h 43m 55s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	21	47	33	CSW	
	CHA	iP	21	48	04	C	
	BOK	e	21	48	53		
	NDI	eP	21	49	13		
	POO	eP	21	50	27		
15	SHL	eP	22	55	44		3.3
		eS		56	25		
15	Epc: 1.8°S, 126.3°E - H = 23h 36m 49s (USCGS) Depth 51 km. Mag. 5.3 (CGS)						

DATE	STN	PHASE	H	M	S		Δ Deg
15	SHL	eP	23	44	45		
	POO	eP	23	46	20		
	NDI	eP	23	46	22.2		
16	CHA	i Pg	01	02	15.9	C	0.7
		Sg		02	25		
16	NDI	e	05	57	20		
16	NDI	iP	06	24	50.5		
16	BOM	ePg	06	55	13		0.1
		eSg		55	15		
16	NDI	i	07	40	21		
16	BOK	e	08	03	24		
16	NDI	eP	09	36	39		
16	SHL	eP	09	56	36		
16	BOK	e	10	34	30		
16	NDI	i	11	00	46		
		i		00	53		
16	Epc: 5.1°S, 154.0°E -H= 13h 29m 16.4s (USCGS) Depth 111 km.						
	SHL	iP	13	40	03	C	
	NDI	iP	13	41	20	D	
		e		41	39		
	POO	iP	13	41	27.5	C	
16	Epc: 1.7°N, 127.5°E -H= 16h 58m 02s (US CGS) Depth 120 km. Mag. 5.6 (CGS)						
	PBA	iP	17	04	52	D	
		i		10	52		
	SHL	iP	17	05	41	C	
	BOK	iP	17	06	13		
		iPP		08	03		
	VIS	iP	17	06	16	DW	
	CHA	iP	17	06	15	D	
	MDR	iP	17	06	32	DW	49.0
		ePP		08	28		
		PeS		11	40		
		eS		13	24		
	NDI	iP	17	07	20.5	DSE	55.1
		iPeS=SeP		12	08		
		iS		14	50.5		
		iSeS		16	55		
	DDI	iP	17	07	21.2	D	

DATE	STN	PHASE	H	M	S		Δ Deg
16	POO	iP	17	07	23.2	D	
	BOM	iP	17	07	29	D	56.5
		iS		15	08		
16	Epc: 36.1°N, 138.8°E - H = 17h 26m 40.5s (USCGS) Depth 141 km. Mag. 4.7 (CGS)						
	NDI	eP	17	35	33		
		e		36	08		
16	CHA	iP	18	00	55	D	
16	Epc: 17.3°S, 66.6°E -H = 20h 16m 56.1s (USCGS) Depth 18 km. Mag. 5.2 (C GS)						
	MDR	eP	20	23	31		38.6
		eS		28	53		
		e		30	25		
	POO	eP	20	24	00		36.2
		eS		29	40		
	BOM	eP	20	24	04		37.3
		iS		30	25		
	BOK	eP	20	25	14		
	NDI	eP	20	25	26		47.2
		eS		32	17		
	CHA	eP	20	25	39		
	SHL	iP	20	25	45	DSW	49.5
		iS		32	50		
16	Epc: 19.9°N, 121.8°E - H = 21h 08m 53.2s (USCGS) Depth 35 km. Mag. 4.9 (CGS)						
	CHA	eP	21	15	18		
16	Epc: 41.1°S, 85.5°W - H = 21h 12m 34.2s (USCGS) Depth 33 km. Mag. 4.4 (CGS)						
	POO	ePKP	21	32	23		
16	Epc: 49.1°N, 156.3°E - H = 21h 29m 20.5s (USCGS) Depth 39 km. Mag. 4.2 (CGS)						
	POO	eP	21	40	38.5		
16	SHL	iP	22	19	11	DE	
16	Epc: 43.9°N, 150.1°E - H = 23h 31m 00.1s (USCGS) Depth 33 km. Mag. 4.3 (CGS)						
	SHL	iP	23	39	55	CNW	
	CHA	iP	23	40	16	D	
16	NDI	iP	23	40	56.7	C	
	POO	iP	23	41	55.1	D	
17	POO	eP	01	55	11		
17	Epc: 30.5°N, 142.5°E - H =03h 41m 30.4s (USCGS) Depth 33 km. Mag. 4.4 (CGS)						
	NDI	eP	03	51	10		
17	Epc: 49.8°N, 78.1°E - H = 05h 03m 58.0s (USCGS) Mag. 5.7 (C GS)						
	DDI	eP	05	08	28		
17	NDI	iP	05	08	45.2	CSE	21.3
		eS		12	37		
	SHL	iP	05	09	37	CSE	
	BOK	eP	05	09	40		
	BOM	iP	05	10	19	D	
	POO	iP	05	10	22	C	
	KOD	iP	05	11	32	CS	
	NDI	i	05	31	13		
17	NDI	i	05	45	22		
17	BOK	e	07	13	15		
17	BOK	e	08	32	16		
17	SHL	ePg	13	51	10		0.8
		eSg		51	19		
17	Epc: 6.6°S, 128.8°E - H = 13h 43m 50.2s (USCGS) Depth 225 km. Mag. 5.0 (CGS)						
	SHL	iP	13	52	09	DSE	
	CHA	iP	13	52	41	D	
	POO	iP	13	53	31.5		
	NDI	eP	13	53	39	DSE	60.8
		eS	14	01	31		
17	NDI	i	14	26	22		
17	NDI	i	14	51	02		
17	SHL	iP	15	18	33	CNW	
	CHA	iP	15	19	26	C	
	NDI	eP	15	21	25		14.2
		iS		24	04		
	POO	e	15	25	24		
17	SHL	iP	15	54	53	DSE	

DATE	STN	PHASE	H	M	S		Δ Deg
17	CHA	eP	15	55	46.6		6.7
		eS		57	04.4		
17	SHL	iP	16	31	15	C	
17	CHA	eP	16	32	13		
		e		33	38		
17	NDI	i	16	53	09		
17	NDI	i	17	00	56		
17	NDI	i	18	43	30		
17	Epc: 2.3°S, 138.5°E						
	- H = 18h 47m 29.3s (USCGS)						
	Depth 51 km. Mag. 5.2 (CGS)						
	SHL	iP	18	56	46	DSE	
	CHA	iP	18	57	18	D	
	NDI	eP	18	58	16		
17	SHL	iP	20	15	32	DS	
	CHA	iP	20	16	04	C	
	KOD	i	20	16	18	C	
	NDI	i	20	17	02		
17	Epc: 17.2°N, 121.8°E						
	- H = 21h 05m 22.5s (USCGS)						
	Depth 33 km. Mag 5.4 (CGS)						
	SHL	iP	21	11	21	DSE	
	PBA	iP	21	11	29	C	
	CHA	iP	21	12	06	D	
	BOK	eP	21	12	08		
	VIS	eP	21	12	28		
	MDR	eP	21	13	00		40.2
		i		13	11		
		eS		19	06		
	DDI	iP	21	13	12.7	C	
	NDI	eP	21	13	14		
	KOD	iP	21	13	27	DE	
	POO	eP	21	13	40.5		
	BOM	eP	21	13	48		
		i		13	59		
		e		15	51		
17	NDI	iP	22	23	57		
17	SHL	eP	22	50	27		5.0
		eS		51	25		

DATE	STN	PHASE	H	M	S		Δ Deg
18	Epc: 23.4°N, 94.9°E						
	- H = 00h 55m 07.3s (USCGS)						
	Depth 54 km. Mag. 4.8 (CGS)						
	SHL	iP	00	56	0		
	CHA	eP	00	56	59.3		7.3
		S		58	23		
	BOK	eP	00	57	06		
	NDI	eP	00	58	57		15.6
		i		59	02		
		eS	01	01	48		
	POO	eP	00	59	41		
	KOD	eP	00	59	57	CSW	
18	Epc: 79.8°N, 2.4°E						
	- H = 01h 11m 44.8s (USCGS)						
	Depth 33 km. Mag. 5.7 (CGS)						
	DDI	iP	01	21	35	C	
		iPcP		22	28		
	NDI	iP	01	21	44.8	CSE	
		eS		29	54		
		SS		33	32		
		SSS		36	11		
	CHA	iP	01	22	09		
		e		30	49		
	SHL	iP	01	22	22	CSE	
	BOK	iP	01	22	27	CSE	65.5
		iS		31	10		
		PS		31	26		
		ScS		32	12		
		SS		35	26		
	BOM	iP	01	22	41	CSE	
		i		31	43		
		e		39	21		
	POO	eP	01	22	45.5	C	
		e		31	53		
	VIS	iP	01	23	01	DW	72.4
		eS		32	20		
	MDR	iP	01	23	24	C	
		e		33	14		
	KOD	iP	01	23	38	CSW	
		eSKS		33	40		
	PBA	iP	01	23	44	C	
		iSKS		33	47		
18	NDI	i	03	02	23		
		i		03	06		

DATE	STN	PHASE	H	M	S	Δ Deg	
18		Epc: 23.7°N, 122.9°E					
		- H = 03h 07m 11.9s (USCGS)					
		Depth 35 km. Mag. 5.1 (CGS)					
	SHL	iP	03	13	04		CS
	NDI	eP	03	14	54		
		i		15	08		
18	NDI	e	04	51	05		
18	POO	ePn	06	12	39	1.5	
		Sg		13	01		
	BOM	e	06	16	26		
18	POO	ePg	06	16	45.7		
		Sn		17	03.8		
18	POO	ePg	06	19	08.5	1.1	
		Sn		19	28.8		
18	NDI	i	06	58	32		
	BOM	e	07	42	45		
	SHL	eP	07	44	43		
	BOK	e	07	46	12		
18	BOK	e	08	28	59		
18	NDI	i	09	47	52		
		i		48	33		
18	NDI	e	10	19	04		
18	BOK	e	10	32	24		
18	Epc: 25.6°N, 128.7°E						
	-H = 10h 29m 48.5s (USCGS)						
	Depth 33 km. Mag. 5.2 (CGS)						
	SHL	eP	10	36	25		
	POO	eP	10	38	50		
18	NDI	e	10	44	55		
18	NDI	e	10	49	57		
18	Epc: 44.4°N, 148.1°E						
	- H = 10h 49m 18.4s (USCGS)						
	Depth 15 km. Mag. 4.6 (CGS)						
	NDI	iP	10	59	07		
18	SHL	iP	11	19	02		DSW
	CHA	eP	11	19	31	5.2	
		PPP		19	44		Mag. 5¼
		S		20	32		
	NDI	e	11	23	43		

DATE	STN	PHASE	H	M	S	Δ Deg	
18	SHL	eP	13	06	18	2.5	
		eS		06	49		
18	SHL	iP	14	06	10		CSE
	CHA	iP	14	07	19		D 6.5
		eS		08	35.1		
18	NDI	iP	14	43	38.5	8.7	
		eS		45	18.5		
	CHA	iP	14	45	11		
		e		47	53		
18	NDI	e	14	52	00		
18	CHA	eP	15	25	01.2	2.6	
		eS		25	34.4		
18	Epc: 25.1°S, 71.5°E						
	- H = 16h 23m 25.8s (USCGS)						
	Depth 33 km. Mag. 5.7 (CGS)						
	POO	eP	16	31	41		
	NDI	iP	16	32	59		
		i		33	06		
	CHA	eP	16	33	02		
18	Epc: 30.6°N, 142.5°E						
	- H = 16h 59m 54.4s (USCGS)						
	Depth 33 km. Mag. 4.6 (CGS)						
	NDI	eP	17	09	32		
18	BOK	eP	19	20	59		
	CHA	iP	19	21	20		C
18	CHA	eP	22	24	15		
18	NDI	e	22	25	21		
18	BOM	e	2	3	08	-	
18	Epc: 13.9°S, 166.5°E						
	- H = 23h 35m 11s (USCGS)						
	Depth 87 km. Mag. 5.0 (CGS)						
	SHL	iP	23	47	27		C SW
	CHA	iP	23	47	50		C
	NDI	iP	23	48	29		
	POO	eP	23	48	34		
19	Epc: 2.1°N, 127.2°E						
	- H = 00h 44m 30.1s (USCGS)						
	Depth 53 km. Mag. 5.1 (CGS)						
	SHL	iP	00	52	11		CW
19	BOM	e	01	55	-		

OCTOBER 1967

DATE	STN	PHASE	H	M	S		Δ Deg
19	NDI	i	02	29	04		
19	BOK	e	05	33	31		
19	CHA	iP	05	33	50	D	
19	BOK	e	07	21	00		
19	PBA	ePg	07	35	45.8		0.8
		iSg		35	56.8		
19	Epc: 13.9°S, 166.7°E - H = 07h 27m 04.5s (USCGS) Depth 45 km						
	SHL	iP	07	39	28	D	
	CHA	e	07	40	53.1		
19	CHA	iPg	08	43	44.6	C	1.2
		Sg		44	00.1		
19	NDI	iPg	10	42	45.5		0.4
		iSg		42	50.7		
19	Epc: 5.1°S, 35.1°E - H = 10h 40m 15.4s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	NDI	eP	10	49	39		
19	Epc: 58.7°S, 25.0°W - H = 15h 39m 10.3s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	CHA	iPKP	15	58	06	C	
	SHL	iPKP	15	58	09	D	
20	Epc: 58.6°S, 25.0°W. - H = 01h 02m 43.8s (USCGS) Depth 12 km Mag. 5.6 (CGS)						
	NDI	ePKP	01	21	35.5	D	
	CHA	iPKP	01	21	43	D	
	SHL	iPKP	01	21	44	C	
	BOK	e	01	23	20		
20	NDI	eP	02	33	17		
20	SHL	ePg	02	56	20		1.0
		eSg		56	33		
20	Epc: 22.4°S, 69.0°W - H = 03h 29m 58.3s (USCGS) Depth 86 km. Mag. 4.2 (CGS)						
	NDI	ePKP	03	48	38		
		epPKP		49	04		
20	Epc: 37.9°N, 37.7°E - H = 06h 47m 38.6s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	NDI	eP	06	54	12		
20	SHL	iP	07	07	28	DNE	
20	BOK	e	07	26	33		
20	NDI	eP	07	40	55		11.8
		iS		43	09		
20	BOK	e	07	53	40		
20	BOK	e	08	37	50		
20	NDI	i	10	45	57		
		i		46	04		
		i		47	09		
20	NDI	i	11	59	40		
20	NDI	e	11	59	47		
20	NDI	i	12	02	26		
20	Epc: 6.2°S, 130.6°E - H = 14h 02m 36.2s (USCGS) Depth 81 km. Mag. 4.9 (CGS)						
	SHL	iP	14	11	17	CSW	
	CHA	iP	14	11	50	C	
	POO	eP	14	12	43		
20	NDI	iPg	14	12	45.4		0.3
		iSg		12	49.5		
20	NDI	e	16	01	11		
20	NDI	i	16	29	07		
20	Epc: 33.7°S, 71.3°W -H = 19h 28m 21.7s (USCGS) Depth 71 km. Mag.4.6 (CGS)						
	POO	ePKP	19	47	53		
20	NDI	e	21	05	24		
20	NDI	eP	22	28	39		11.0
		eS		30	44		
21	Epc: 27.7°S, 71.8°W - H = 02h 35m 12.3s (USCGS) Depth 13 km Mag. 5.4 (CGS)						
	BOM	iPKP	02	54	55	D	
	POO	ePKP	02	54	56		

OCTOBER 1967

DATE	STN	PHASE	H	M	S	Δ Deg
21	NDI	ePKP	02	55	05	
	MDR	iPKP	02	55	07	C
	DDI	ePKP	02	55	08	
	SHL	iPKP	02	55	19	DW
21	NDI	i	04	44	08	
21	Epc: 73.4°N, 54.8°E -H = 04h 59m 58.1s (USCGS) Mag. 5.9 (CGS)					
	DDI	iP	05	08	17.6	C
	NDI	iP	05	08	27.6	CSE
		i		10	03	
		e		13	57	
	CHA	eP	05	08	45	
	SHL	iP	05	09	10	CSW
	BOK	e	05	09	20	
	BOM	iP	05	09	34	C
	POO	eP	05	09	39	C
	KOD	iP	05	10	38.8	CSW
	BOK	e	07	52	08	
21	NDI	eP	07	53	44	
21	NDI	i	08	28	50	
21	NDI	e	08	33	19	
21	NDI	i	08	44	50	
21	NDI	i	09	49	40	
21	SHL	eP	10	17	47	
21	Epc: 31.6°N, 99.9°E - H = 11h 00m 35.9s (USCGS) Depth 33 km. Mag. 5.2 (CGS)					
	SHL	iP	11	02	48	CSW
	NDI	iP	11	05	05.8	
21	SHL	iP	12	49	49	3.1
		eS		50	27	
	CHA	iP	12	50	44.3	D 7.1
		eS		52	06	
21	BHK	e	13	23	42	
21	NDI	i	14	14	51	
21	Epc: 11.8°N, 141.2°E - H = 17h 01m 46s (USCGS) Depth 52 km. Mag. 5.1 (CGS)					
	CHA	iP	17	11	00	C
21	SHL	iP	18	37	47	D

21

DATE	STN	PHASE	H	M	S	Δ Deg
21	CHA	eP	18	38	49	6.9
		eS		40	09	
21	NDI	eP	18	44	04	
21	Epc: 19.0°N, 145.1°E - H = 20h 03m 49.0s (USCGS) Depth 320 km. Mag. 4.7 (CGS)					
	SHL	iP	20	12	09	DSE
	CHA	iP	20	12	40	C
	NDI	iP	20	13	43	
	POO	eP	20	14	09.5	
22	NDI	e	00	22	20	
22	POO	eP	01	11	10	
	KOD	iP	01	11	13.6	DNW
	NDI	iP	01	11	21.3	
		i		12	29	
		i		14	37	
	SHL	iP	01	11	40	C
	CHA	iP	01	11	45	D
	NDI	i	02	35	06	
22	Epc: 1.6°N, 127.2°E - H= 04h 15m 32.1s (USCGS) Depth 138 km. Mag. 5.1 (CGS)					
	SHL	iP	04	23	07	DSE
	KOD	iP	04	24	15.8	CNW
	NDI	eP	04	24	47	D
	POO	eP	04	24	49	
	DDI	eP	04	24	49	
22	NDI	e	05	00	25	
22	NDI	e	05	46	37	
22	Epc: 2.2°S, 137.4°E - H = 06h 30m 09.3s (USCGS) Depth 33 km. Mag. 5.2 (CGS)					
	SHL	iP	06	39	16	DE
	KOD	iP	06	40	30.5	DE
	POO	eP	06	40	52	
	NDI	eP	06	40	56	
22	NDI	e	07	38	05	
22	NDI	i	08	27	10	
22	NDI	e	10	14	15	
22	NDI	e	10	53	23	

DATE	STN	PHASE	H	M	S	Δ Deg	
22	SHL	eP	14	25	14	3.1	
		eS		25	51		
22	CHA	i	15	28	23		
22	NDI	e	15	44	05		
22	NDI	e	18	57	18		
22	CHA	eP	19	18	03		
22	NDI	e	20	14	28		
22	CHA	i	21	27	26		D
22	Epc 6.7°S 150.8°E H = 21h 31m 48.1s (USCGS) Depth 42 km. Mag. 4.9 (CGS)						
	SHL	iP	21	42	31		C
	CHA	iP	21	42	59		C
	KOD	eP	21	43	28.5		CSE
	NDI	eP	21	43	49		
	POO	eP	21	43	55		
22	SHL	iP	23	10	44		CNW
	CHA	iP	23	11	20		C
	NDI	iP	23	12	26.2		D
	POO	iP	23	13	11.2		C
	KOD	iP	23	14	13.8		CSW
22	SHL	iP	23	57	33		CNW
	CHA	iP	23	58	34.3		D
		e		59	48		Mag. 5½
	BOK	e	00	00	15		
	NDI	eP	00	00	31	14.7	
		i		00	36		
		eS		03	15		
	POO	eP	00	04	50		
23	Epc 43.4°N 146.9°E H = 02h 53m 30.7s (USCGS) Depth 33 km. Mag. 5.0 (CGS)						
	NDI	eP	03	03	13	57	
	KOD	iP	03	04	31		CE
	CHA	e	03	09	17		
		i		12	15		
23	Epc 15.0°S 167.4°E H = 04h 57m 40.7 (USCGS) Depth 115 km.						
	NDI	i	05	10	07		
23	Epc 1.2°N 123.8°E H= 05h 39m 20.7s (USCGS) Depth 58 km Mag 4.8 (CGS)						
	NDI	iP	05	48	26.5		D
23	NDI	eP	06	19	19		
23	BOK	e	08	20	03		
23	Epc 28.9°N 139.1°E H = 08h 27m 06.2s (USCGS) Depth 463 km. Mag. 5.3 (CGS)						
	CHA	iP	08	34	49		D
	VIS	eP	08	35	36		
	DDI	iP	08	35	38.1		D
	NDI	eP	08	35	44		DNE 48 5
		PP		37	50		
		iS		42	40		
		ScS		44	41		
		SS		46	30		
	SHL	eP	08	35	58		
	MDR	iP	08	36	07		DE 52.3
		iS		43	26		
	KOD	iP	08	36	32		DNE
	POO	iP	08	36	28.8		D
	BOM	iP	08	36	35		D
		ePP		38	55		
	BOK	eSS	08	43	03		
23	SHL	iP	08	49	17		DNE
23	POO	eP	09	51	09		
23	NDI	eP	10	02	34		
23	Epc 23.9°S 66.6°W H = 10h 51m 56.4s (USCGS) Depth 192 km Mag 4.5 (CGS)						
	NDI	iPKP	11	11	18.5		D
23	NDI	eP	13	32	28		
23	NDI	e	17	42	07		
24	NDI	e	01	06	27		
	HYD	iP	01	07	06		S
24	SHL	iP	01	54	01	3.5	
		eS		54	43		
24	NDI	i	02	29	50		

DATE	STN	PHASE	H	M	S		Δ Deg
24	Epc: 31.3°S, 179.7°W						
	- H = 03h 13m 26.5s (USCGS)						
	Depth 250 km. Mag. 5.4 (CGS)						
	KOD	iPKP	03	31	22	DS	
	NDI	iPKP	03	31	31		
	POO	ePKP	03	31	33		
24	NDI	i	06	58	45		
24	KOD	eP	07	07	08	DSW	
24	NDI	i	07	33	37		
24	BOK	e	08	07	27		
24	SHL	iP	10	01	06	C	
24	Epc: 5.8°S, 153.0°E						
	- H = 09h 50m 14.8s (USCGS)						
	Depth 26 km. Mag. 4.6 (CGS)						
	NDI	eP	10	02	25		
		iPcP		02	35		
24	Epc: 3.1°S, 101.5°E						
	- H = 10h 51m 15.1s (USCGS)						
	Depth 63 km. Mag. 5.5 (CGS)						
	KOD	iP	10	56	57	CNW	
	SHL	iP	10	57	19	CNW	
	BOK	eP	10	57	26		
	POO	iP	10	58	00.5	C	
	NDI	iP	10	58	39	CNW	
		eS	11	04	37		
24	DDI	iP	10	58	46.1	C	
24	BOK	e	11	54	18		
24	SHL	eP	12	22	35		
24	NDI	eP	12	25	05		
24	NDI	e	13	14	25		
24	NDI	eP	14	09	46		82
		eS		11	20		
24	SHL	iP	14	14	21	C	
24	CHA	iP	14	51	52	D	
24	Epc: 2.4°S, 79.0°W						
	-H= 15h 17m 54s (USCGS)						
	Depth 123 km Mag. 5.0 (CGS)						

DATE	STN	PHASE	H	M	S		Δ Deg
24	NDI	iPKP	15	37	20.3		
	POO	ePKP	15	37	26		
	CHA	iPKP	15	37	38	C	
24	Epc: Koyna Region						
	- H = 17h 35m 16s (New Delhi)						
	POO	ePg	17	12	45		1.1
		eSg	18	13	00		
		iSn		13	02		
	POM	ePn	17	12	56		1.6
		iSn		13	17		
	KOD	iP	17	16	21.6	DSW	
25	Epc: 5.9°N, 126.6°E.						
	- H = 00h 34m 09.6s (USCGS)						
	Depth 102 km.						
	SHL	eP	00	41	23		
25	Epc: 24.5°N, 122.2°E.						
	- H = 00h 59m 22.6s (USCGS)						
	Depth 65 km. Mag. 6.0 (CGS)						
	SHL	eP	01	05	05		27.5
		iS		09	40		
	PBA	eP	01	05	38	C	31.4
		iPPP		06	55		
		iS		10	40		
	CHA	iP	01	05	43	E	32.0
		e		07	20		
		S		10	49		
		e		12	00		
	CAL	iP	01	05	46	SW	
		e		06	40		
		ePPP		07	04		
		i		10	46		
		PcS=ScP		12	18		
		SS		12	40		
	BOK	iP	01	05	56	DNE	33.2
		PcP		08	37		
		iS		11	10		
		PcS=ScP		12	14		
		SS		13	13		
		SSS		13	39		
	VIS	eP	01	06	28	E	
		iPP		07	45		
		i		11	58		
	DDI	eP	01	06	49		39.5
		iS		12	48		

DATE	STN	PHASE	H	M	S		Δ Deg
25 Contd.	NDI	iP	01	06	54	DE	40.7
		PP		08	36	M	6.7
		iS		12	59		
		iSS		15	51		
		eSSS		16	22		
	BHK	eP	01	07	02.5		
	MDR	iP	01	07	04	CW	
		i		13	05		
	SEH	eP	01	07	08		41.4
		PPP		09	18		
		eS		13	18		
	KOD	iP	01	07	33	DNE	44.6
		PP		09	22		
		PcS		13	16		
		iS		14	04		
	POO	iP	01	07	35.1	D	45.0
		epP		07	46		
		PP		09	25		
		eS		14	08		
		ePPS		14	33		
		eScS		17	21		
	BOM	iP	01	07	42	CSW	46.6
		iPP		09	33		
		iS		14	25		
25	NDI	e	02	04	20		
25	Epc: 24.3°N, 122.2°E. - H = 01h 57m 23.1s (USCGS) Depth 67 km. Mag. 5.3 (CGS)						
	NDI	eP	02	04	57		
	KOD	eP	02	05	34	DNE	
25	Epc: 39.5°N, 110.4°W - H = 02h 17m 45.9s (USCGS) Mag. 3.5 (CGS).						
	NDI		02	36	56		
25	NDI	i	03	51	54		
25	SHL	iP	05	58	13	DN	
25	KOD	eP	06	11	39	CSE	
25	Epc: 31.7°S, 58.3°E - H = 06h 47m 31.3s (USCGS) Depth 33 km.						
	POO	eP	06	56	41		

DATE	STN	PHASE	H	M	S		Δ Deg
25	BOM	ePg	07	31	41		0.1
		eSg		31	42		
25	BOK	e	07	35	30		
25	NDI	i	07	41	24.2		
25	NDI	e	07	49	04		
		i		49	10		
		i		49	14.7		
25	BOK	e	08	15	29		
25	Epc: 24.5°N, 122.2°E - H = 08h 54m 40.2s (USCGS) Depth 60 km. Mag. 5.2 (CGS)						
	SHL	iP	09	00	23	DE	
	CHA	iP	09	01	01	C	
	DDI	eP	09	02	07		
	NDI	iP	09	02	12.5	CW	40.5
		e		04	08		
		PcP		04	22		
		eS		08	16		
	KOD	iP	09	02	51	CW	
	POO	eP	09	02	53		
25	SHL	iPg	09	12	29	D	1.0
		eSg		12	43		
25	Epc: 9.4°S, 112.9°E - H = 09h 10m 18.7s (USCGS) Depth 58 km. Mag. 5.2 (CGS)						
	KOD	iP	09	17	53.7	DSE	
	POO	iP	09	18	50	C	
	NDI	iP	09	19	16.2	CNW	51.2
		iS		26	28		
	DDI	iP	09	19	21.4	D	
25	Epc: 51.4°N, 176.5°E - H = 09h 21m 48.6s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	SHL	iP	09	32	39	CNE	
25	NDI	e	14	31	21		
		i		31	26		
25	Epc: 50.1°S, 114.3°E - H = 15h 09m 35.3s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						

DATE	STN	PHASE	H	M	S		Δ Deg
25	SHL	iP	15	21	31	CNW	
25	Epc: 14.5°N, 93.1°W. - H = 15h 36m 20.7s (USCGS) Depth 61 kms. Mag. 4.5 (CGS)						
	NDI	ePKP	15	55	34		
	KOD	iPKP	15	56	18.6	C	
25	NDI	e	19	20	21		
		e		20	26		
		e		20	29.5		
25	SHL	eP	19	24	24		
25	SHL	iP	19	56	01	CSW	
26	Epc: 24.5°N, 122.2°E - H = 00 h 22m 21.6s (USCGS) Depth 63 km. Mag. 5.6 (CGS)						
	SHL	iP	00	28	05	DE	27.2
		iS		32	38		
	CHA	iP	00	28	42	D	
		S		33	47		
	CAL	eP	00	28	48		
		e		33	41		
	BOK	eP	00	28	57		33.1
		iS		34	11		
		SS		36	39		
	PBA	e	00	28	59		
	VIS	eP.	00	29	28		37.3
		ePP		30	57		
		eS		35	10		
	DDI	iP	00	29	50.5	D	
	NDI	iP	00	29	55	CW	40.0
		isP		30	12		
		PP		31	34		
		PPP		32	02		
		S		35	57		
		PS		36	19		
		eSS		39	00		
		SSS		39	33		
	MDR	eP	00	30	04		40.3
		PP		31	44		
		eS		36	06		
	KOD	iP	00	30	33.9	DNE	
	POO	eP	00	30	35		45.5
		e		37	12		
		ePP		32	27		
		eS		37	12		
		PS		37	40		

DATE	STN	PHASE	H	M	S		Δ Deg
26	BOM	iP	00	30	42	CW	46.5
		iS		37	25		
		ScS		40	24		
26	SHL	eP	03	29	13		
26	CHA	ePg	03	29	27.9		1.5
		Sg		29	47.7		
26	NDI	e	04	01	36		
26	Epc: 37.3°N, 29.1°E - H = 04h 55m 38.3s (USCGS) Depth 35 km. Mag. 5.1 (CGS)						
	NDI	eP	05	03	18		
		i		03	23		
	POO	eP	05	03	38		
	CHA	iP	05	04	27	C	
	KOD	eP	05	04	39	CSE	
	SHL	iP	05	04	58	CE	
26	Epc: 2.3°N, 121.7°E. - H = 05h 10m 02.0s (USCGS) Depth 62 km. Mag. 5.0 (CGS)						
	SHL	iP	05	17	08	C	
	CHA	eP	05	17	43		
	MDR	eP	05	18	09		
	NDI	e	05	18	50	DS	
		e		18	58		
	POO	eP	05	18	50		
26	CHA	iPg	05	45	09.6	D	0.8
		eSg		45	20.1		
26	NDI	eP	06	01	18		
26	NDI	e	06	07	14		
26	NDI	i	06	15	29		
26	BOK	e	07	57	22		
26	BOK	e	08	18	35		
26	Epc: 7.5°S, 127.6°E - H = 08h 48m 00.1s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	NDI	eP	08	58	13		
26	Epc: 6.9°S, 131.1°E - H = 09h 28m 29.8s (USCGS) Depth 30 km. Mag. 4.8 (CGS)						
	MDR	eP	09	37	54		

DATE	STN	PHASE	H	M	S		Δ Deg
26	KOD	iP	09	38	07.5	DSE	
	POO	eP	09	38	46		
	NDI	eP	09	38	52		
	DDI	i	09	39	07		
	BOK	eS cS	09	47	33		
26	NDI	ePn	09	47	48		53
		iSn		48	50.6	M=4.5	
	SHL	iP	09	47	57	CNW	
	POO	e	09	49	20		
	CAL	e	09	49	41		
	MDR	e	09	54	10		
26	NDI	i	10	32	05.4		
26	NDI	e	12	00	12		
26	Epc: 30.2°N, 131.1°E - H= 12h 49m 45.1s (USCGS) Depth 29 km. Mag. 4.7 (CGS)						
	SHL	i	12	55	50		
26	NDI	i	14	15	39		
26	NDI	i	14	49	32		
26	CHA	eP	15	32	09		
		i		32	57		
		i		33	12		
	NDI	eP	15	32	42		
26	NDI	e	15	47	59		
26	Epc: 0.2°S, 125.2°E - H = 17 h 22m 05.3s (USCGS) Depth 42 km. Mag. 5.6 (CGS)						
	PBA	iP	17	28	49	D	
		i		30	10		
		ePPP		30	19		
	SHL	iP	17	29	45	CNW	
		i		36	23		
	CAL	iP	17	29	58	SE	
	BOK	iP	17	30	18	CW	
	VIS	eP	17	30	19	E	
		ePP		32	05		
	CHA	iP	17	30	22	D	

DATE	STN	PHASE	H	M	S		Δ Deg
26	MDR	eP	17	30	27		46.5
Contd.		PP		32	20		
		PPP		32	55		
		eS		37	11		
		SS		40	21		
	KOD	iP	17	30	45.8	CNE	
	POO	eP	17	31	21		
		PcP		32	30		
		e		39	24		
	NDI	eP	17	31	25		53.7
		iS		38	53		
		ScS		41	10		
	DDI	eP	17	31	26		
	BOM	eP	17	31	29		56.3
		ePP		33	28		
		eS		39	13		
		eScS		41	14		
26	NDI	eP	17	55	32		7.0
		eS		56	53		
	CHA	e	17	57	35		
26	POO	eP	19	33	50		
26	BOK	e	20	21	18		
26	NDI	e	20	24	26		
26	DDI	eP	21	00	56.3		
26	SHL	iP	21	10	41	DE	
	CHA	iP	21	11	18	D	
	NDI	i	21	12	25.7		
26	NDI	eP	22	00	15		8.7
		iS		01	55		
	CHA	iP	22	01	34	D	
	CHA	iP	22	02	15	D	
26	NDI	i	23	23	51		
27	CHA	iP	00	14	39	C	
	POO	eP	00	15	31		
	NDI	i	00	15	38		
27	NDI	i	00	54	38		
27	BOK	e	06	56	39		

DATE	STN	PHASE	H	M	S		Δ Deg
27	SHL	eP	06	56	39		
27	POO	ePg	08	33	41.5		1.1
		Sg		33	57		
		Sn		33	58.9		
27	BOK	e	09	00	45		
27	SHL	iP	10	23	10	C	
	DDI	eP	10	24	51		
		i		28	01		
	NDI	iP	10	24	51		
		i		27	31		
27	Epc: 7.1°S, 128.1°E - H = 10h 37m 22.6s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	SHL	iP	10	46	03	DSE	
	NDI	iP	10	47	34		
27	Epc: 30.1°N, 79.7°E -H= 17h 35m 15s. Mag. 4 (New Delhi)						
	DDI	iPg	17	35	40.2	C	1.2
		iSg		35	55.8		
	NDI	iPn	17	36	03	DNE	2.8
		eSn		36	38.5	M 4.1	
	BHK	ePn	17	36	03.5		3.0
		eSn		36	40		
	CHA	eP	17	37	16		7.5
		eS		38	43		
	SHL	iP	17	38	09	DW	
	POO	eP	17	38	20		
	BOK	e	17	38	22		
27	NDI	eP	17	45	42		
		i		46	12.5		
27	NDI	e	18	16	46		
27	Epc: 24.3°N, 122.2°E - H = 20h 41m 33s (USCGS) Depth 74 km. Mag. 4.9 (CGS)						
	SHL	iP	20	47	15	CW	
	CHA	iP	20	47	53	C	
	DDI	iP	20	48	59.1	C	
	NDI	iP	20	49	05.5		
	KOD	iP	20	49	42.8	CSW	
	POO	iP	20	49	44.5	C	
27	SHL	iP	22	51	17	CSW	3.4
		eS		51	58		
	CHA	eP	22	52	03		6.8
		iS		53	22		
28	Epc: 16.2°S, 66.9°E. -H= 00h 02m 20.5s (USCGS) Depth 33 km. Mag.4.6 (CGS)						
	MDR	eP	00	09	08		
		e		14	00		
	BOM	eP	00	09	14		
		e		14	36		
	POO	eP	00	09	15		35.8
		eS		14	48		
	CHA	eP	00	10	53		
	SHL	iP	00	10	59	CNE	
	BOK	eS	00	16	35		
	PBA	i	00	18	15		
28	Epc: 25.8°S, 70.3°W - H = 00h 24m 27.3s (USCGS) Depth 33 km. Mag. 4.6 (CGS)						
	DDI	ePKP	00	44	29.2		
28	CHA	iP*	01	01	11	M 3¼	1.7
		S*		01	33		
	SHL	eP*	01	01	42		3.9
		eS*		02	33		
28	NDI	eP	01	10	42		45.5
		iS		17	24		
28	NDI	iP	01	44	20.3		
28	SHL	iP	06	05	34	CN	
28	KOD	i	06	06	48.5	D	
28	DDI	eP	06	56	44.4		
	NDI	eP	06	56	55		10.5
		i		57	31		
		eS		58	54		
	SHL	i	06	59	17		
28	SHL	eP	08	44	52	C	2.5
		eS		45	23		
28	CHA	iPg	09	22	43.5		1.6
		Sg		23	05	M= 3¼	
	SHL	iP	09	23	02	C	

DATE	STN	PHASE	H	M	S		Δ Deg
28	CHA	iP	17	13	41	C	
28	NDI	e	17	30	45.7		
28	SHL	iP	19	56	16	CNW	
	NDI	e	19	56	40.1		
29	SHL	iP	02	44	49	C	
29	SHL	eP	03	51	29		
29	DDI	eP	05	35	22.5		
		i		36	18		
	BHK	ePg	05	35	31		
		e		35	34		
	NDI	ePn	05	35	37		4.6
		eSn		36	32		
	POO	e	05	40	45		
29	SHL	eP	07	08	09		2.2
		eS		08	38		
29	SHL	eP	11	16	16		4.3
		eS		17	24		
29	Epc: 60.8°S, 23.1°W - H = 12h 37m 22.2s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	SHL	ePKP	12	56	19		
29	KOD	iPn	13	04	03.9		7.2
		iSn		05	27		
29	POO	ePg	18	30	46.5		1.1
		eSg		31	01		
		eSn		31	03		
29	SHL	iP	19	03	13	DSW	
29	NDI	eP	19	06	08.8	C	
	POO	eP	19	06	48		
	KOD	iP	19	06	54.3	CW	
29	SHL	iP	21	07	39	D	
29	NDI	eP	22	15	16		8.5
		eS		17	53		
	CHA	eP	22	16	33		
	SHL	iP	22	17	09	C	
30	Epc: 22.0°S, 170.1°E - H = 02h 36m 45s (USCGS) Depth 32 km. Mag. 4.4 (CGS)						
30	SHL	iP	02	49	41	CNW	
30	Epc: 49.8°N, 78.1°E - H = 06h 03m 57.9s (USCGS) Depth 0 km. Mag. 5.5. (CGS)						
	DDI	eP	06	08	27		
	SHL	iP	06	09	37	CS	
	POO	eP	06	10	22		
	KOD	iP	06	11	31.9	CS	
30	BHK	iPn	07	27	51.7	DN	2.6
		iSn		28	24.4		
	NDI	ePn	07	28	18.3		4.2
		S*		29	19.5	M= 5.2	
	DDI	iP	07	28	55.5	D	
		i		29	11		
		i		29	30		
	POO	eP	07	30	38		
	KOD	iP	07	32	13.2	DS	
	BOM	e	07	34	52		
30	NDI	e	07	39	35		
30	NDI	i	14	10	44		
30	NDI	i	16	59	36		
30	SHL	iP	18	31	03	CSW	
30	NDI	e	19	44	16		
30	Epc: 2.0°N, 31.3°E - H = 19h 55m 37.7s (USCGS) Depth 33 km. Mag. 5.3 (CGS)						
	NDI	iP	20	04	40		
30	SHL	iPg	21	23	07	C	0.3
		eSg		23	11		
30	NDI	e	21	31	42		
30	SHL	iP	23	06	48	CSW	
	CHA	iP	23	07	14	D	
30	Epc: 4.2°S, 134.1°E. - H = 23 h 24m 41.4s (USCGS) Depth 33 km. Mag. 5.1 (CGS)						
	SHL	iP	23	33	38	CNW	
	CHA	eP	23	34	11		

DATE	STN	PHASE	H	M	S		Δ Deg
30	SHL	iP	23	36	48	CS	
31	SHL	iP	00	35	45	DNS	2.8
		iS		36	20		
	CHA	eP	00	36	50		
		e		38	07		
31	SHL	eP	01	00	17		
	NDI	e	01	01	27		
31	PBA	ePg	01	09	30.4		0.2
		iSg		09	33.4		
31	SHL	iP	05	23	36	CNW	
31	SHL	iP	09	44	27	C	
31	Epc: 19.7°S, 177.3°E. - H = 10h 14m 43.8s (USCGS) Depth 40 km. Mag. 5.4 (CGS)						
	SHL	iP	10	28	01	C	
31	Epc: 6.0°S, 154.0°E. - H = 13h 04m 00.6s (USCGS) Depth 33 kms.						
	SHL	eP	13	14	55		
31	EPC: 2.0°N, 31.2°E. - H = 13h 51m 03.8s (USCGS) Mag. 5.3 (CGS)						
	NDI	eP	14	00	07		
31	NDI	i	14	28	29		
31	SHL	iP	18	27	22	DNW	4.1
		eS		28	10		
31	CHA	iP	18	28	08		
31	SHL	iP	19	46	27	CNW	
31	CHA	iP	19	47	29	C	
31	Epc: 37.8°N, 14.6°E. - H = 21h 08m 07.2s (USCGS) Depth 33 km. Mag. 4.8 (CGS)						
	NDI	eP	21	17	16		
		i		17	19.1		
	POO	eP	21	17	37		
	CHA	iP	21	18	18	C	
	KOD	iP	21	18	31.9	CSE	
	SHL	iP	21	18	44	D	
31	NDI	ePn	21	46	33.5		4.8
		iSn		47	30		

FELT EARTHQUAKE REPORTS

For the Month of October 1967

S.No.	Station	Date GMT	Time GMT h. m.	No. of shocks	Duration in secs.	Intensity MM Scale	Remarks
1	Shillong	18	11 22	One	15	IV	-
2	Shillong	18	11 23	One	10	IV	-

MICROSEISMIC TABULATION

Station : BOKARO

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
01	00	3	0.3	4.0
	06	...	-	-
	12	3	0.3	4.8
	18	3	0.3	4.3
02	00	3	0.3	4.2
	06	...	-	-
	12	3	0.2	3.5
	18	3	0.2	3.2
03	00	3	0.3	3.5
	06	...	-	-
	12	3	0.1	3.7
	18	3	0.2	3.1
04	00	3	0.1	3.2
	06	3	0.2	3.7
	12	3	0.2	3.7
	18	...	-	-
05	00	3	0.2	3.9
	06	3	0.1	4.0
	12	3	0.1	3.8
	18	3	0.1	3.8
06	00	3	0.1	3.6
	06	3	0.1	3.7
	12	3	0.1	3.5
	18	3	0.1	3.6
07	00	3	0.1	3.8
	06	3	0.2	4.0
	12	3	0.2	3.3
	18	3	0.2	4.8
08	00	3	0.2	4.1
	06	3	0.2	4.1
	12	3	0.2	3.8
	18	3	0.3	3.3
09	00	3	0.3	3.2
	06	3	0.5	3.4
	12	3	0.5	3.3
	18	...	-	-
10	00	3	0.6	3.3
	06	3	1.0	3.3
	12	3	0.7	3.3
	18	3	0.3	3.2
11	00	3	0.3	3.1
	06	3	0.1	3.1
	12	3	0.1	3.3
	18	3	0.1	3.2
12	00	3	0.1	3.5
	06	3	0.1	3.4
	12	3	0.1	4.5
	18	3	0.1	4.0
13	00	3	0.1	4.2
	06	3	0.1	4.8
	12	3	0.1	4.5
	18	3	0.1	3.9
14	00	3	0.2	4.7
	06	3	0.2	4.9
	12	3	0.1	4.6
	18	3	0.2	4.3
15	00	3	0.3	4.8
	06	3	0.3	4.9
	12	3	0.3	4.8
	18	3	0.3	5.0
16	00	3	0.3	4.9
	06	3	0.3	5.1
	12	3	0.3	5.5
	18	3	0.3	5.9
17	00	3	0.3	5.5
	06	3	0.3	5.2
	12	3	0.3	5.3
	18	3	0.3	5.8
18	00	3	0.3	5.6
	06	3	0.3	5.6
	12	3	0.3	5.6
	18	3	0.3	5.4
19	00	3	0.3	5.2
	06	3	0.3	5.2
	12	3	0.3	4.5
	18	3	0.3	4.9
20	00	3	0.3	4.6
	06	3	0.2	4.5
	12	3	0.3	4.0
	18	3	0.3	4.5
21	00	3	0.3	4.2
	06	3	0.3	4.7
	12	3	0.3	4.4
	18	3	0.3	4.4
22	00	3	0.3	4.3
	06	3	0.4	4.2
	12	3	0.5	4.4
	18	3	0.8	4.4

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in sec
Station: BOKARO				
23	00	2	1.2	4.4
	06	2	2.3	5.2
	12	2	3.8	5.1
	18	2	2.1	4.8
24	00	3	1.1	4.6
	06	3	0.8	4.3
	12	3	0.5	4.4
	18	3	0.4	5.0
25	00	3	0.3	4.9
	06	3	0.3	5.0
	12	3	0.3	5.1
	18	3	0.3	5.1
26	00	3	0.3	5.0
	06	3	0.3	4.8
	12	3	0.3	4.9
	18	...	-	-
27	00	3	0.3	4.9
	06	3	0.3	5.3
	12	3	0.3	5.2
	18	3	0.3	5.3
28	00	3	0.3	5.4
	06	3	0.3	5.2
	12	3	0.3	5.0
	18	3	0.3	4.9
29	00	3	0.2	4.9
	06	3	0.1	4.5
	120	3	0.1	4.7
	18	3	0.1	4.3
30	00	3	0.2	4.6
	06	3	0.1	4.4
	12	3	0.2	4.8
	18	3	0.2	4.6
31	00	3	0.2	4.8
	06	3	0.1	4.8
	12	3	0.2	5.5
	18	3	0.3	5.2
Station: COLABA (BOMBAY)				
01	00	3	0.4	2.0
	06	3	0.8	2.9
			0.3	1.9
	12	3	0.8	3.0
			0.3	1.9
	18	3	0.9	3.0
			0.3	1.9

DATE	HOUR GMT	K	MEAN Amplidute in mm	MEAN Period in sec
Station: COLABA (BOMBAY)				
02	00	3	0.8	3.0
			0.3	1.8
	06	3	0.3	4.0
			0.3	1.7
	12	3	0.4	3.7
			0.3	1.8
	18	3	0.4	3.8
			0.3	1.8
03	00	3	0.4	3.8
			0.3	1.9
	06	3	0.4	2.7
			0.2	2.0
	12	3	0.3	2.4
	18	3	0.3	2.5
04	00	3	0.4	2.7
	06	3	0.4	2.9
			0.3	2.0
	12	3	0.3	2.8
			0.3	1.8
	18	Surface waves		
05	00	3	0.3	2.9
			0.3	1.8
	06	3	0.5	3.7
			0.3	1.9
	12	3	0.4	3.8
			0.3	1.7
	18	3	0.5	3.9
			0.3	1.8
06	00	3	0.5	3.7
			0.3	2.0
	06	Calibration (N-S)		
	12	3	0.5	3.7
			0.3	1.9
	18	3	0.5	3.9
			0.3	1.8
07	00	3	0.4	3.7
			0.3	1.8
	06	Calibration SR		
	12	3	0.5	3.8
			0.3	2.0
	18	3	0.4	3.8
			0.3	1.8
08	00	3	0.4	3.7
	06	3	0.3	3.2
			0.3	2.1
	12	3	0.2	2.0
	18	2	0.3	3.0

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
09	00	2	0.3	3.2
	06	2	0.5	3.7
	12	3	0.4	3.3
			0.3	2.1
	18	Shock in progress		
10	00	3	0.4	3.4
			0.2	1.8
	06	2	0.5	3.6
	12	2	0.3	3.6
	18	3	0.3	4.1
			0.3	3.0
11	00	3	0.3	4.0
			0.3	3.0
	06	3	0.3	4.0
			0.3	2.8
	12	3	0.3	3.9
			0.3	3.0
	18	3	0.3	4.0
			0.3	3.0
12	00	3	0.4	3.8
			0.3	2.9
	06	3	0.3	3.1
			0.2	2.0
	12	3	0.3	3.7
			0.3	2.0
	18	3	0.3	3.2
			0.2	2.0
13	00	3	0.3	3.2
			0.2	2.1
	06	3	0.3	6.0
			0.3	3.1
	12	3	0.4	5.7
			0.3	3.0
	18	3	0.3	4.0
			0.2	2.0
14	00	3	0.3	4.2
			0.3	3.3
	06	3	0.3	4.0
			0.3	3.0
	12	3	0.3	4.1
			0.3	3.0
	18	3	0.3	4.0
			0.3	3.1
15	00	3	0.3	4.0
			0.3	3.2
	06	3	0.3	4.1
			0.3	3.0
	12	3	0.3	4.2
			0.3	3.0
	18	3	0.3	4.4
16	00	3	0.5	4.5
			0.3	3.7
16	06	3	0.3	4.9
			0.3	3.9
	12	3	0.4	4.6
			0.3	3.9
	18	3	0.4	4.6
			0.4	3.9
17	00	3	0.4	4.8
			0.4	4.0
	06	3	0.5	5.3
			0.4	4.0
	12	3	0.5	4.4
			0.3	3.8
	18	3	0.5	4.3
			0.3	3.9
18	00	3	0.5	5.4
			0.3	3.9
	06	3	0.3	5.2
			0.3	4.1
			0.2	2.0
	12	3	0.4	5.0
			0.3	3.0
			0.2	2.0
	18	3	0.5	4.1
			0.2	2.0
19	00	3	0.5	4.1
			0.2	2.0
	06	3	0.5	4.2
			0.5	3.0
	12	3	0.9	4.0
			0.5	3.0
	18	3	1.3	4.0
			0.6	3.2
20	00	3	1.5	4.0
			0.9	3.4
	06	3	1.5	4.0
			0.9	3.2
	12	3	1.1	4.0
			0.4	3.0
	18	3	1.5	3.9
			0.4	3.1
21	00	3	1.4	4.0
			0.4	3.1
	06	3	1.1	3.9
			0.5	3.1
	12	3	0.9	3.9
			0.3	3.1
	18	3	0.8	4.0
			0.4	3.0
22	00	3	0.5	3.7
			0.3	3.1
	06	3	0.9	4.0
			0.3	3.1
	12	3	0.9	4.0

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
22	12		0.3	3.1
	18	3	1.0	4.6
			0.4	3.5
23	00	3	1.1	4.8
			0.5	3.8
	03	1	1.5	4.8
	06	1	1.5	4.8
	12	1	2.3	5.0
	18	1	1.7	5.0
24	00	3	0.9	4.6
			0.5	3.9
	06	3	0.8	4.1
			0.3	3.4
	12	3	0.6	4.3
			0.3	3.2
	18	3	0.5	4.2
			0.2	1.6
25	00	3	0.5	4.1
			0.2	1.8
	06	3	0.4	4.2
			0.2	2.0
	12	3	0.3	4.8
			0.3	2.6
	18	3	0.5	4.5
			0.3	3.0
26	00	3	0.5	4.5
			0.3	3.4
	06	3	0.4	5.0
			0.2	2.0
	12	3	0.4	4.2
			0.3	3.0
			0.2	2.0
	18	Surface waves		
27	00	3	0.3	4.1
			0.3	3.1
	06	3	0.4	4.9
			0.3	3.8
	12	3	0.3	4.5
			0.3	2.2
	18	3	0.3	5.6
			0.3	2.1
28	00	3	0.3	3.1
	06	Loss of record		
	12	2	0.4	3.6
	18	3	0.3	3.6
			0.3	2.2
29	00	3	0.3	3.8
			0.3	2.2
29	06	2	0.3	2.6
	12	2	0.3	2.9
	18	3	0.3	4.2
			0.2	2.0
30	00	3	0.3	4.4
			0.2	2.0
	06	3	0.3	6.0
			0.2	1.7
	12	3	0.3	5.9
			0.3	3.0
	18	3	0.3	5.3
			0.2	1.8
31	00	3	0.3	5.7
			0.3	3.9
			0.2	2.0
	06	3	0.3	5.7
			0.3	3.0
	12	3	0.3	5.0
			0.3	3.1
	18	3	0.3	5.7
			0.2	1.7

Station: CALCUTTA

01	00	3	0.3	2.4
	06	3	0.4	1.6
	12	3	0.6	1.4
	18	3	0.4	1.8
02	00	3	0.4	1.8
	06	3	0.5	1.8
	12	3	0.5	1.6
	18	....		
03	00	...		
	06	...		
	12	3	1.2	3.8
	18	3	1.0	4.0
04	00	3	1.0	4.0
	06	3	0.5	3.0
	12	3	0.7	3.4
	18	....	Shock	
05	00	3	0.3	3.6
	06	3	0.4	3.2
	12	3	0.5	3.0
	18	3	0.5	3.4
06	00	3	0.3	3.0
	06	3	0.4	3.0
	12	3	0.4	3.2
	18	3	0.5	3.0

OCTOBER 1968

DATE	HOUR	K	MEAN amplitude in mm	MEAN period in sec
Station: CALCUTTA				
07	00	3	0.3	3.4
	06	3	0.3	3.2
	12	3	0.4	3.2
	18	3	0.3	3.0
08	00	3	0.4	3.2
	06	3	0.5	3.6
	12	3	0.8	3.8
	18	3	1.1	4.0
09	00	1	1.4	3.6
	06	....	No record	
	12	....	- do -	
	18	Shock		
10	00	....	Disturbances	
	06	....	- do -	
	12	....	- do -	
	18	1	2.1	3.0
11	00	3	1.0	3.0
	06	3	0.8	3.4
	12	3	0.6	3.0
	18	3	0.5	3.0
12	00	3	0.3	2.8
	06	3	0.3	3.0
	12	3	0.3	3.6
	18	3	0.3	4.0
13	00	3	0.3	4.0
	06	3	0.3	4.0
	12	3	0.3	4.2
	18	3	0.3	4.0
14	00	3	0.3	4.0
	06	3	0.4	3.6
	12	3	0.3	3.8
	18	3	0.3	4.0
15	00	....	Record fading	
	06	3	1.1	6.2
	12	3	0.4	5.0
	18	3	0.5	5.0
16	00	3	0.3	4.4
	06	3	1.0	5.4
	12	3	1.2	5.0
	18	3	0.8	5.0
17	00	3	1.6	5.0
	06	3	1.4	5.8
	12	3	1.8	4.4
	18	3	1.2	4.2
18	00	3	1.0	6.0
	06	3	1.2	5.2
	12	3	1.3	4.0
	18	3	0.5	3.2
19	00	3	1.1	4.0
	06	3	1.0	4.0
	12	3	1.8	4.2
	18	3	0.8	3.2
20	00	3	0.8	4.4
	06	3	1.0	4.4
	12	3	1.0	4.8
	18	3	1.0	4.0
21	00	3	1.2	4.0
	06	3	1.3	4.2
	12	3	1.2	4.0
	18	3	1.1	4.0
22	00	3	1.3	4.0
	06	3	2.8	4.0
	12	3	3.1	4.0
	18	2	3.2	5.0
23	00	....		
	06	....		
	12	....		
	18	...		
24	00	....		
	06	2	3.5	4.0
	12	3	1.9	4.0
	18	3	1.2	4.0
25	00	3	1.1	4.0
	06	3	0.8	4.2
	12	3	0.6	4.0
	18	3	0.5	4.2
26	00	3	0.5	5.0
	06	3	0.6	4.8
	12	3	0.5	4.8
	18	3	0.5	5.0
27	00	3	0.5	5.0
	06	3	0.4	5.0
	12	3	0.5	4.8
	18	3	0.4	5.0
28	00	3	0.4	4.8
	06	3	0.4	4.8
	12	3	0.3	4.6
	18	3	0.3	4.4
29	00	3	0.3	4.4
	06	3	0.3	4.4
	12	3	0.3	4.6
	18	3	0.3	4.6

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: CALCUTTA				
30	00	3	0.3	4.8
	06	3	0.3	4.4
	12	3	0.3	4.4
	18	3	0.3	4.2
31	00	3	0.3	4.4
	06	3	0.4	4.8
	12	3	0.5	5.0
	18	3	0.5	6.0
Station: GOA		Comp: N-S		
01	00	3	0.5	2.8
	06	3	0.6	2.8
	12	3	0.5	2.8
	18	3	0.5	2.6
02	00	3	0.5	2.6
	06	3	0.4	2.6
	12	3	0.5	2.8
	18	3	0.4	2.6
03	00	3	0.4	2.4
	06	...	-	-
	12	3	0.5	2.6
	18	3	0.5	2.6
04	00	3	0.4	2.4
	06	3	0.4	2.6
	12	...	-	-
	18	...	-	-
05	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	3	0.5	2.8
06	00	3	0.6	3.0
	06	3..	-	-
	12	...	-	-
	18	3	0.5	3.0
07	00	3	0.5	3.0
	06	3	0.4	3.0
	12	3	0.4	2.6
	18	3	0.4	3.2
08	00	3	0.5	3.0
	06	...	-	-
	12	3	0.4	3.0
	18	3	0.5	2.8
09	00	3	0.5	3.0
	06	3	0.5	3.0
	12	...	-	-
	18	...	-	-

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station : GOA		Comp : N-S		
10	00	...	-	-
	06	3	0.4	3.0
	12	...	-	-
	18	3	0.4	3.0
11	00	3	0.3	2.6
	06	3	0.2	2.4
	12	3	0.3	2.8
	18	...	-	-
12	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
13	00	...	-	-
	06	3	0.2	2.4
	12	3	0.2	2.8
	18	3	0.3	2.6
14	00	3	0.3	2.4
	06	...	-	-
	12	3	0.3	2.8
	18	3	0.3	2.8
15	00	3	0.3	2.6
	06	3	0.4	3.0
	12	3	0.4	3.0
	18	3	0.4	3.2
16	00	3	0.5	3.2
	06	...	-	-
	12	3	0.4	3.2
	18	3	0.5	3.2
17	00	3	0.5	3.4
	06	...	-	-
	12	...	-	-
	18	...	-	-
18	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
19	00	...	-	-
	06	3	0.6	3.2
	12	3	0.6	3.4
	18	...	-	-
20	00	3	0.9	3.8
	06	...	-	-
	12	3	0.6	3.6
	18	3	0.9	3.6
21	00	3	0.3	3.4

OCTOBER 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: GOA			Compt. N-S	
21	06	3	0.9	3.6
	12	3	0.8	3.4
	18	3	0.8	3.4
22	00	3	0.7	3.2
	06	...	-	-
	12	...	-	-
	18	...	-	-
23	00	...	-	-
	06	3	1.2	3.8
	12	3	1.3	4.0
	18	3	1.0	4.0
24	00	3	1.0	4.4
	06	3	0.7	4.2
	12	3	0.6	4.2
	18	3	0.7	4.4
25	00	3	0.8	4.4
	06	...	-	-
	12	...	-	-
	18	...	-	-
26to	2900to	...	-	-
	18	...	-	-
30	00	...	-	-
	06	3	0.3	3.2
	12	3	0.2	3.4
	18	3	0.2	3.0
31	00	3	0.2	2.8
	06 to			
	18	...	-	-
Station: MADRAS				
01	00	2	0.3	3.2
	03	2	0.3	3.2
	06	2	0.4	3.2
	12	2	0.3	3.2
	18	2	0.3	3.2
02	00	2	0.3	3.3
	03	2	0.3	3.2
	06	2	0.3	3.2
	12	2	0.3	3.2
	18	2	0.3	3.3
03	00	2	0.3	3.4
	03	2	0.4	3.2
	06	2	0.4	3.1
	12	2	0.3	3.1
	18	2	0.3	3.1
04	00	2	0.3	3.2
	03	2	0.3	3.2
	06	2	0.2	3.1
	12	2	0.3	3.1
	18	...	Earthquake	

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station : MADRAS				
05	00	2	0.4	3.3
	03	2	0.4	3.2
	06	2	0.4	3.3
	12	2	0.4	3.3
	18	2	0.4	3.3
06	00	2	0.3	3.2
	03	2	0.5	3.1
	06	2	0.4	3.1
	12	2	0.5	3.1
	18	2	0.4	3.1
07	00	2	0.5	3.1
	03	2	0.5	3.1
	06	2	0.5	3.1
	12	2	0.5	3.1
	18	2	0.5	3.1
08	00	2	0.5	3.1
	03	2	0.5	3.1
	06	2	0.6	3.1
	12	2	0.6	3.1
	18	2	0.7	3.1
09	00	2	0.7	3.1
	03	2	0.7	3.1
	06	2	0.8	3.1
	12	2	0.7	3.1
	18	...	Earthquake	
10	00	2	0.5	3.1
	03	2	0.5	3.1
	06	2	0.5	3.1
	12	2	0.4	3.1
	18	2	0.3	3.1
11	00	2	0.3	3.1
	03	2	0.3	3.1
	06	2	0.3	3.1
	12	2	0.3	3.1
	18	2	0.3	3.1
12	00	2	0.3	3.1
	03	2	0.3	3.1
	06	2	0.2	3.1
	12	2	0.2	3.1
	18	2	0.2	3.2
13	00	2	0.2	3.1
	03	2	0.2	3.2
	06	2	0.2	3.2
	12	2	0.2	4.1
	18	2	0.2	4.2
14	00	2	0.2	4.2
	03	2	0.2	4.0
	06	2	0.3	4.2
	12	2	0.2	4.2
	18	2	0.2	4.2

OCTOBER 1967

Station : MADRAS

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
15	00	2	0.2	4.2
	03	2	0.3	4.2
	06	2	0.2	4.1
	12	2	0.3	4.1
	18	2	0.3	4.2
16	00	2	0.3	4.6
	03	2	0.3	4.2
	06	2	0.3	4.2
	12	2	0.3	4.1
	18	2	0.3	4.1
17	00	2	0.3	4.1
	03	2	0.3	4.1
	06	2	0.3	4.0
	12	2	0.3	4.0
	18	2	0.3	4.0
18	00	2	0.3	3.9
	03	2	0.3	4.1
	06	2	0.3	3.9
	12	2	0.3	4.0
	18	2	0.3	4.0
19	00	2	0.3	3.8
	03	2	0.3	3.9
	06	2	0.4	3.9
	12	2	0.5	4.2
	18	2	0.5	4.4
20	00	2	0.7	4.3
	03	2	0.8	4.4
	06	2	0.8	4.3
	12	2	0.7	4.1
	18	2	0.9	3.8
	21	1	1.0	4.0
21	00	1	1.1	4.3
	03	1	1.3	4.3
	06	1	1.5	4.2
	09	1	1.2	4.2
	12	1	1.3	4.2
	15	1	1.3	4.1
	18	1	1.2	4.1
	21	1	1.1	4.1
22	00	1	1.1	3.9
	03	1	1.1	4.0
	06	1	1.3	4.2
	09	1	1.6	4.2
	12	1	1.9	4.5
	15	1	2.2	4.4
	18	1	2.0	4.6
	21	1	2.3	4.6
23	00	1	2.3	4.5
	03	1	2.3	4.5
	06	1	2.3	4.7
	09	1	2.2	4.7
	12	1	2.2	4.7
	15	1	2.1	4.6
	18	1	2.1	4.7
	21	1	2.0	4.6
24	00	1	1.5	4.5
	03	1	1.6	4.5
	06	1	1.5	4.5
	09	1	1.3	4.5
	12	1	1.1	4.5
	15	1	1.1	4.5
	18	1	1.0	4.5
	21	1	1.0	4.9
25	00	1	0.8	4.7
	03	1	0.9	4.5
	06	1	0.8	4.5
	09	1	0.8	4.8
	12	1	0.7	4.7
	15	1	0.6	4.6
	18	1	0.6	4.6
	21	1	0.5	4.5
26	00	1	0.4	4.4
	03	2	0.3	4.2
	06	2	0.3	4.3
	12	2	0.3	3.8
	18	2	0.3	3.2
27	00	2	0.3	3.1
	03	2	0.3	3.1
	06	...	No record	
	12	2	0.3	3.1
	18	2	0.3	3.1
28	00	2	0.3	3.1
	03	2	0.3	3.0
	06	...	No record	
	12	2	0.3	3.0
	18	2	0.3	2.7
		3	0.1	1.4
29	00	2	0.3	2.8
	03	2	0.3	2.9
	06	...	No record	
	12	2	0.3	2.9
	18	2	0.3	3.0
30	00	2	0.3	3.1
	03	2	0.3	3.0
	06	...	No record	
	12	2	0.3	3.0
	18	2	0.3	3.0
31	00	2	0.3	3.1

OCTOBER 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: MADRAS				
31	03	2	0.3	3.1
	06	...	No record	
	12	2	0.3	3.1
	18	2	0.3	3.1
Station: PORT BLAIR				
01	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	1.2	3.0
02	00	...	-	-
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	2.0	3.0
03	00	3	2.0	3.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0
04	00	3	2.0	3.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
05	00	3	1.6	3.0
	06	3	1.2	3.0
	12	3	1.2	3.0
	18	3	1.2	3.0
06	00	3	1.2	3.0
	06	3	1.2	3.0
	12	3	1.2	3.0
	18	3	1.6	3.0
07	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
08	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
09	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	...	-	-
10	00	...	-	-
	06	3	1.2	3.0
	12	3	1.2	3.0
	18	3	1.6	3.0
11	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
12	00	3	1.6	3.0
	06	3	1.6	3.0
	12	3	1.6	3.0
	18	3	1.6	3.0
13	00	3	1.6	3.0
			0.8	7.0
	06	3	1.2	3.0
			0.8	7.0
	12	3	1.2	3.0
			0.8	7.0
	18	3	1.2	3.0
			0.8	7.0
14	00	3	1.2	3.0
			0.8	7.0
	06	3	0.8	3.0
			0.8	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
15	00	3	0.8	3.0
			0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
16	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
17	00	3	0.8	7.0
	06	3	0.4	3.0
			0.8	7.0
	12	3	0.4	3.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
18	00	3	0.8	3.0
			0.8	7.0
	06	3	0.8	3.0
			0.8	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
19	00	3	0.8	3.0
			0.8	7.0
	06	3	0.8	2.0
			0.8	7.0

OCTOBER 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: PORT BLAIR				
19	12	3	0.8	2.0
			0.8	7.0
	18	3	1.6	2.0
			0.8	7.0
20	00	3	2.0	2.0
			1.2	7.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	2	2.4	3.0
21	00	3	2.8	3.0
	06	3	2.8	3.0
	12	3	4.0	3.0
	18	3	2.0	2.0
			4.0	5.0
22	00	3	2.0	2.0
			4.0	5.0
	06	...	-	-
	12	3	2.4	3.0
			4.8	6.0
	18	3	2.8	3.0
			4.8	6.0
23	00	3	2.8	3.0
			4.4	6.0
	06	3	4.0	3.0
			4.8	6.0
	12	3	4.4	3.0
			5.6	6.0
	18	3	5.2	3.0
			5.6	6.0
24	00	3	4.0	3.0
			4.0	6.0
	06	3	4.0	3.0
	12	3	3.2	3.0
	18	3	4.0	3.0
25	00	3	3.2	3.0
	06	3	2.0	3.0
	12	3	2.0	3.0
	18	3	2.0	3.0
26	00	3	2.0	2.0
			1.2	7.0
	06	3	1.2	3.0
			1.2	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
27	00	3	0.8	3.0
			0.8	7.0
	06	3	0.8	2.0
			1.2	7.0
27	12	3	0.8	2.0
			1.2	7.0
	18	3	0.8	2.0
			1.2	7.0
28	00	3	0.8	2.0
			0.8	7.0
	06	3	0.8	2.0
			0.8	7.0
	12	3	0.8	2.0
			0.8	7.0
	18	3	0.8	2.0
			0.8	7.0
29	00	3	0.8	2.0
			0.8	7.0
	06	3	0.8	2.0
			0.4	7.0
	12	3	0.8	2.0
			0.4	7.0
	18	3	0.8	2.0
			0.4	7.0
30	00	3	0.8	2.0
			0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
31	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
Station: SHILLONG				
01	00	...	...	...
	06	3	0.4	5.0
	12	3	0.3	5.5
	18	3	0.4	5.0
02	00	3	0.3	5.5
	06	3	0.3	5.5
	12	3	0.3	5.2
	18	3	0.4	5.0
03	00	3	0.4	5.0
	06	3	0.3	5.0
	12	3	0.3	4.5
	18	3	0.3	5.0
04	00	3	0.3	5.5
	06	3	0.3	5.5
	12	3	0.4	4.5
	18	3	...	...
05	00	3	0.3	5.5
	06	3	0.4	4.0

OCTOBER 1967

Station : SHILLONG

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
05	12	3	0.4	3.5
	18	3	0.3	5.0
06	00	3	0.4	4.0
	06	...	...	...
	12	...	...	...
	18	...	...	...
07	00	...	...	...
	06	3	0.5	3.5
	12	3	0.4	4.5
	18	3	0.3	5.0
08	00	3	0.3	5.5
	06	3	0.3	5.5
	12	3	0.4	4.3
	18	3	0.3	5.0
09	00	3	0.3	5.0
	06	...	...	...
	12	3	0.4	4.5
	18	...	...	...
10	00	3	0.5	3.5
	06	3	0.3	5.8
	12	3	0.2	6.0
	18	3	0.3	5.5
11	00	3	0.4	5.0
	06	3	0.4	4.0
	12	3	0.5	3.5
	18	3	0.5	3.5
12	00	3	0.4	4.0
	06	3	0.5	3.5
	12	3	0.5	4.0
	18	3	0.5	4.0
13	00	3	0.4	4.5
	06	3	0.4	4.5
	12	3	0.3	4.8
	18	3	0.3	5.0
14	00	3	0.4	4.5
	06	3	0.4	4.5
	12	3	0.3	5.0
	18	3	0.3	5.0
15	00	3	0.3	5.0
	06	3	0.4	4.0
	12	3	0.3	5.0
	18	3	0.2	5.5
16	00	3	0.2	5.7
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	3	0.4	5.7
17	00	3	0.4	5.5
	06	3	0.5	6.5
	12	3	0.5	6.5
	18	3	0.5	6.5
18	00	3	0.5	6.2
	06	3	0.5	6.5
	12	3	0.5	6.5
	18	3	0.5	6.3
19	00	3	0.4	6.0
	06	3	0.3	5.0
	12	3	0.3	4.7
	18	3	0.4	4.2
20	00	3	0.4	4.0
	06	3	0.4	3.5
	12	3	0.5	3.5
	18	3	0.5	3.5
21	00	3	0.5	4.5
	06	3	0.5	4.5
	12	3	0.5	4.2
	18	3	0.4	4.7
22	00	3	0.5	4.2
	06	3	0.5	4.0
	12	3	0.5	5.0
	18	3	0.4	5.5
23	00	1	0.3	6.0
	03	1	2.5	4.5
	06	1	2.5	5.0
	09	1	2.5	5.0
	12	1	2.5	5.0
	15	1	1.8	4.5
	18	1	1.2	4.5
	21	1	1.0	4.5
24	00	1	0.9	5.0
	06	1	0.7	4.5
	12	1	0.6	5.0
	18	3	0.5	4.0
25	00	3	0.3	5.2
	06	3	0.4	5.0
	12	3	0.6	5.0
	18	3	0.5	5.0
26	00	3	0.5	5.5
	06	3	0.4	4.6
	12	3	0.4	5.0
	18	3	0.3	5.5
27	00	3	0.5	5.5
	06	3	0.3	4.0
	12	3	0.3	4.5
	18	3	0.6	5.8
28	00	3	0.5	5.0
	06	0,0	0,0	0.0
	12	3	0.4	4.5
	18	0,0	0,0	0,0
29	00	3	0.6	4.5
	06	3	0.3	5.0

OCTOBER 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: SHILLONG				
29	12	3	0.3	5.0
	18	3	0.3	5.0
30	00	3	0.3	5.2
	06	3	0.2	5.0
	12	3	0.3	5.1
	18	3	0.3	5.1
31	00	3	0.2	5.4
	06	3	0.3	5.0
	12	3	0.3	5.0
	18	3	0.3	5.0
Station : TRIVANDRUM				
01	00	2	0.56	4.0
	06	2	0.60	3.9
	12	2	0.60	3.8
	18	2	0.55	3.7
02	00	2	0.36	3.7
	06	2	0.31	3.8
	12	2	0.27	3.7
	18	2	0.25	3.5
03	00	0,0		
	06	2	0.25	3.2
	12	2	0.25	3.0
	18	Power failure		
04	00	2	0.30	3.0
	06	2	0.36	3.1
	12	2	0.28	3.1
	18	...		
05	00	2	0.32	3.5
	06	Power failure		
	12	2	0.40	3.4
	18	2	0.38	3.5
06	00	2	0.31	3.2
	06	2	0.26	3.4
	12	2	0.27	3.4
	18	2	0.30	3.4
07	00	2	0.32	3.2
	06	...		
	12	2	0.50	3.3
	18	2	0.36	3.4
08	00	2	0.36	3.2
	06	2	0.38	3.4
	12	2	0.34	3.2
	18	2	0.40	3.2
09	00	2	0.36	3.3
	06	2	0.34	3.1
	12	2	0.29	3.2
	18	...		
10	00	2	0.24	3.1

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: TRIVANDRUM				
10	06	2	0.34	3.1
	12	2	0.25	3.2
	18	0 ,0 minute		
11	00	0,0		
	06	2	0.34	3.0
	12	2	0.25	3.1
	18	0.0		
12	00 to 18	0,0		
13	00 to 18	0,0		
14	00 to 06	0,0		
	12	2	0.20	3.7
	18	2	0.25	3.8
15	00	2	0.25	3.7
	06	2	0.31	3.8
	12	2	0.28	3.7
	18	2	0.32	3.8
16	00	2	0.35	3.9
	06	2	0.39	3.9
	12	2	0.42	3.7
	18	2	0.57	3.9
17	00	2	0.46	3.8
	06	2	0.47	4.0
	12	2	0.55	3.7
	18	2	0.52	3.6
18	00	2	0.46	3.9
	06	2	0.42	3.8
	12	2	0.38	3.6
	18	2	0.47	3.7
19	00	2	0.69	3.5
	06	2	0.88	3.2
	12	2	1.15	3.2
	18	2	2.10	3.3
20	00	2	2.15	3.1
	06	2	2.45	3.6
	12	2	2.15	3.3
	18	2	1.50	3.4
21	00	2	1.60	3.3
	06	2	1.15	3.4
	12	2	0.90	3.2
	18	2	0.80	3.5
22	00	2	0.56	3.5
	06	2	0.56	3.4
	12	2	0.75	4.2
	18	2	0 66	4.3
23	00	2	0.70	4.3
	06	2	0.75	4.7
	12	2	0.72	4.7

OCTOBER 1967

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: TRIVANDRUM				
23	12	2	0.72	4.7
	18	2	0.67	4.8
24	00	2	0 .63	4.6
	06	2	0.56	4.5
	12	2	0.52	4.4
	18	2	0.57	4.6
25	00	2	0.57	4.9
	06	Power failure		
	12	2	0.50	4.8
	18	2	0.52	4.9
26	00	2	0.67	4.7
	06	2	0.53	4.9
	12	2	0.46	4.7
	18	Power failure		
27	00 to 06	Power failure		
	12	2	0.52	3.6
	18	2	0.30	3.4
28	00	2	0.36	3.4
	06	2	0.31	3.3
	12	2	0.28	3.6
	18	2	0,0	Minute
29	00	2	0.30	3.6
	06 to 18	Minute		
30	00 to 18	Minute		
31	00 tp 12	Minute		
	18	2	0.30	3.8
Station: VISAKHAPATNAM				
01	00	1	0.5	3.0
	06	1	0.6	3.1
	12	1	0.5	3.5
	18	1	0.5	3.2
02	00	1	0.5	3.4
	06	1	0 .5	3.5
	12	1	0.4	3.4
	18	1	0.6	3.2
03	00	1	0.5	3.4
	06	1	0.8	3.6
	12	1	0.4	3.2
	18	1	0.6	3.6
04	00	1	0.4	3.2
	06	2	0.5	3.0
	12	2	0.5	2.7
	18	.....	Earthquake in progress	
05	00	1	0.3	3.2
	06	2	0.5	2.8
	12	2	0.5	3.5
	18	2	0.6	3.5

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station: VISAKHAPATNAM				
06	00	2	0.4	3.4
	06	2	0.5	3.5
	12	2	0.5	3.2
	18	2	0.5	3.4
07	00	3	0.4	3.2
	06	1	0.4	2.9
	12	1	0.5	3.0
	18	1	0.6	3.3
08	00	1	0.5	3.4
	06	1	0 .5	3.3
	12	1	0.3	3.2
	18	1	0.5	3.5
09	00	1	0 .5	3.4
	06	1	0.8	3.7
	12	1	0.7	3.6
	18	....		
10	00	1	0.8	3.5
	06	1	0.9	3.5
	12	1	0.8	3.5
	18	1	0.4	3.2
11	00	1	0.5	3.3
	06	1	2.1	3.0
	12	1	0.5	3.2
	18	1	0.4	3.3
12	00	1	0.4	3.2
	06	2	0.4	2.3
	12	2	0.4	2.8
	18	2	0.5	3.5
13	00	2	0.4.	3.3
	06	2	0.5	5.0
	12	2	0.5	4.3
	18	2	0.4	3.3
14	00	2	0.4	4.1
	06	2	0.5	4.0
	12	2	0.5	4.4
	18	2	0.5	4.5
15	00	2	0.5	3.9
	06	2	0.6	5.5
	12	2	0.7	5.2
	18	2	0.6	4.4
16	00	2	0.5	3.9
	06	2	0.6	5.0
	12	2	0.5	4.4
	18	2	0.5	4.1
17	00	2	0.5	4.3
	06	2	0.6	5.0
	12	2	0.7	5.6
	18	2	0.5	4.7
18	00	2	0.7	4.6

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec
Station	VISAKHAPATNAM			
18	06	2	0.6	5.0
	12	2	0.6	4.8
	18	2	0.6	5.0
19	00	2	0.4	3.9
	06	3	0.5	4.5
	12	3	0.4	3.1
	18	3	0.4	3.7
20	00	3	0.3	3.0
	06	3	0.5	3.8
	12	3	0.4	3.6
	18	3	0.4	3.4
21	00	3	0.6	4.6
	06	1	0.5	3.7
	12	1	0.5	4.0
	18	1	0.5	3.5
22	00	1	0.4	3.4
	06	1	0.8	3.9
	12	1	1.4	4.3
	18	1	1.6	4.0
23	00	1	1.5	4.2
	06	1	2.7	4.5
	12	1	2.9	4.6
	18	1	2.8	4.4
24	00	1	2.4	4.4
	06	1	1.1	4.3
	12	1	0.6	4.1
	18	1	0.3	3.5
25	00	1	0.3	3.2

DATE	HOUR	PHK	MEAN Amplitude in mm	MEAN Period in sec
Station	VISAKHAPATNAM			
25	06	1	0.4	3.9
	12	1	0.3	3.6
	18	1	0.3	3.5
26	00	2	0.3	3.1
	06	2	0.3	3.5
	12	2	0.3	3.5
	18	2	0.6	4.4
27	00	2	0.3	3.1
	06	2	0.3	3.4
	12	2	0.3	3.1
	18	2	0.4	3.6
28	00	2	0.3	3.3
	06	1	0.2	2.5
	12	1	0.2	2.5
	18	1	0.2	2.5
29	00	1	0.2	2.5
	06	1	0.2	2.5
	12	1	0.2	2.5
	18	1	0.2	2.5
30	00	1	0.2	2.5
	06	1	0.2	2.5
	12	1	0.2	2.5
	18	1	0.2	2.5
31	00	1	0.3	2.5
	06	1	0.3	2.5
	12	1	0.3	2.5
	18	1	0.3	2.5

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES

REGD. No. RN 14248/57

List of Seismograph stations with their Instruments and Constant as on 1.4.1967

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max.	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min.
Bhakra	31.25	76.25										
BHK					Electromag-	Z	1	1	5600	1	1	20
					netic (H)	N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.8		950	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1	60
Calcutta	22.32	88.20	7	Milne Shaw Alluvium	Milne-Shaw	E	12		250	0.7		8
CAL			6	Omori-Ewing	Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
					Sprengnether	N	7.0	7.0	1000		1	30
Chatra	26.50	87.10	161	Sand stone	Benioff	Z	0.72	0.45	-	-	1	60
CHA					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive	Sprengnether	E	7.6	7.6	5000		1	30
NDI				Quartzite	Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.79	50K	for	1	60
						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.73	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	secs.	1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lemison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(SP)	Z	1.0	0.75	50K	for	1	60
KOD						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.75	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	secs.	1	30
					Milne-Shaw	E	12		250	0.7		8
Madras	13.00	80.11	15		Sprengnether	E	7.4	7.4			1	30
MDR						Z	1.5	1.5			1	60
Poona	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K	for	1	60
POO						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.75	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	secs.	1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		890	0.7		30
						E	0.8		840	0.8		30
Sehore	23.10	77.05			Benioff	Z	1.2	1.5			1	30
SEH					Wood-Anderson	N	0.8		860	1		30
						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite	Benioff(SP)	Z	1	0.75	200K	for	1	60
SHL				Sandstone		N	1	0.75	200K	TE=1	1	60
				(Shillong		E	1	0.75	200K	sec	1	60
				Quartzite)	Press-Ewing	Z	15	100	3000	for	1	15
					(LP)	N	15	100	3000	TE=15	1	15
						E	15	100	3000	secs	1	15
					Sprengnether	E	6.7	6.7	2600		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TOC												
Trivandrum	8.29	76.57		Decomposed Laterite	Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0	-	250	0.7		12

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
01	NDI	i	02	39	15		
01	SHL	ePg	03	35	05		0.7
		iSg		35	13		
01	NDI	i	04	13	36		
01	SEH	eP	08	41	23	W	
		e		46	11		
01	SHL	eP	09	18	09		
01	NDI	i	11	50	10		
01	NDI	i	13	28	09		
01	NDI	eP	15	18	22	C	
01	NDI	eP	15	41	39	D	
01	Epc: 48.2°N, 154.4°E KURILE ISLANDS - H = 16h 09m 16.7s (USCGS) Depth = 47 Kms. Mag. = 5.3 (CGS)						
01	SHL	iP	16	18	33	DSE	
	CHA	iP	16	18	51	D	
01	DDI	eP	16	19	16.8		
	NDI	iP	16	19	27.1	D	
	BOM	eP	16	20	22	D	
	POO	iP	16	20	27	C	
	KOD	eP	16	20	48.6	DN	
01	Epc: 48.3°N, 154.4°E KURILE ISLANDS - H = 16h 30m 57.1s(USCGS) Depth = 40 Kms. Mag. = 5.5 (CGS)						
01	SHL	iP	16	40	14	DSE	
	CHA	iP	16	40	32	D	
	NDI	iP	16	41	08	CNE	20
	BOM	iP	16	42	03	D	
	POO	iP	16	42	08		0.8
	KOD	eP	16	42	29	CNE	
01	NDI	eP	17	03	34		
01	DDI	eP	17	57	26.0		8.3
		eS		59	02.5		
01	NDI	eP	17	57	36		8.4
		iS		57	59		
01	Epc: 4.8°S, 135.7°E WEST NEW GUINEA REGION H = 18h 56m 54.8s (USCGS) Depth = 14 Kms, Mag. 5.8(CGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
	SHL	iP	19	06	05		
	BOK	iP	19	06	39		
	CHA	iP	19	06	39	D	55.4
		eS		14	23		
2	KOD	iP	19	07	02	DSE	
	POO	eP	19	07	35		
		e		16	16		
	NDI	iP	19	07	36	EC	64.3
		eS		16	14		
	DDI	iP	19	07	37	C	64.4
		eS		16	18		
	BOM	eP	19	07	37		65.2
		PP		10	02		
		eS		16	20		
	CAL	e	19	13	50	NW	
01	Epc: 37.1°N, 141.3°E NEAR EAST COAST OF HONSHU,JAPAN - H = 19h 17m 24.7s (USCGS) Depth = 72 Kms. Mag. = 4.7 (CGS)						
	SHL	iP	19	25	21		
	CHA	iP	19	25	49	C	
	NDI	iP	19	26	40.3	CSW	
	BOM	eP	19	27	33		
	POO	iP	19	27	35	C	
01	Epc: 25.2°N, 95.7°E - H = 21h 41m 58s (New Delhi)						
01	TOC	ePn	21	42	29		1.5
		eSn		42	49		
	SHL	iP	21	42	55	CNE	
01	CHA	iP	21	43	51.6	C	7.8
		i(P*)		44	11.5		
		eS		45	21.8		
	NDI	eP	21	45	46	D	
01	NDI	eP	22	13	22		
01	SHL	iP	23	04	45	DNW	
02	NDI	e	02	38	34		
02	NDI	e	03	15	36		
02	NDI	e	03	21	39		
02	SHL	eP	03	46	49		
02	Epc: 28.8°S, 69.5°W -H = 03h 32m 24.7s Depth = 79 Kms. Mag. 5.3(CGS)						

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
	DDI	e	03	51	13		
	POO	ePKP	03	51	53		
	NDI	iPKP	03	52	04		
02	NDI	i	06	21	20		
02	NDI	e	06	22	22		
02	NDI	i	06	23	15		
02	NDI	i	06	29	43		
02	NDI	i	06	35	55		
02	NDI	e	06	46	33		
		e		48	05		
		e		48	19		
		i		48	26		
02	NDI	e	07	01	31		
	NDI	i	07	33	15		
	NDI	i	07	57	36		
02	BOK	e	08	53	01		
02	BOK	e	09	35	05		
02	NDI	i	10	07	24		
02	NDI	i	10	09	48		
02	NDI	i	16	31	18		
02	Epc: 9.1°N, 94.8°E - H = 17h 49m 20s (New Delhi)						
	PBA	eP	17	50	08		2.8
		iS		50	44		
	KOD	eP	17	53	11.0	DSW	
		e		55	46.6		
	SHL	iP	17	53	16		
	MDR	e	17	54	55		
	POO	e	17	58	02		
02	SHL	iP	18	14	04		
	CHA	iP	18	14	43		
	MDR	iP	19	06	51	E	56.7
		e		11	12		
		eS		14	44		
02	NDI	e	20	42	18		
		e		43	04		
		e		45	08		
02	NDI	iPn	20	46	05.3	SD	0.5
		iPg		46	07.3		
		eS		46	27.3		
		iSg		46	28.8		
02	POO	eP	20	50	06		
02	TOC	ePg	21	27	29		0.8
		P*		27	31		
		eSg		27	37		
03	TOC	ePg	00	42	29		0.7
				42	36		
03	TOC	ePg	01	14	36		0.8
		eSg		14	45		
03	Epc: 32.3°N, 140.1°E SOUTH OF HONSHU JAPAN - H = 04h 30m 12.7s (USCGS) Depth = 148 Kms. Mag. = 4.3 (CGS)						
	NDI	iP	04	39	20	CE	
	POO	eP	04	40	09		
	KOD	iP	04	40	17	CSE	
03	NDI	i	05	02	09		
03	NDI	i	06	32	30		
03	SHL	eP	06	42	29		1.5
		eS		42	49		
03	EPC: 18.7°S, 169.0°E New Hebrids Island - H 07h 32m 50.1s (USCGS) Depth = 230 Kms. Mag. = 5.3 (CGS)						
	SHL	iP	07	45	11	C	
	KOD	iP	07	45	50	D	
	NDI	eP	07	46	12		
	BOK	e	07	48	24	C	
	BOM	e	07	57	42		
03	Epc: 7.6°S, 81.4°W Off Coast of Northern Peru - H = 08h 15m 34.4s (USCGS) Depth = 14 Kms. Mag. = 5.2 (CGS)						
	NDI	ePKP	08	35	23	D	
		i		35	29		
	DDI	iPKP	08	35	32	D	
	POO	ePKP	08	35	25		
	BOK	e	10	12	42		
	SHL	iP	10	29	47	CSW	
	BOK	e	10	33	41		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
03	Epc: 6.1°N, 125.7°E MINDANAO Philippine Islands - H = 10h 31m 19.5s (USCGS) Depth = 82 Kms. Mag. = 5.1 (CGS)						
	SHL	iP	10	38	29		DW
	KOD	eP	10	39	53.0		CE
	NDI	eP	10	40	14		
03	EPC: 39.8°N, 77.5°E - H = 16h 40m 48.6s (USCGS) Depth = 33 Kms. Mag. = 4.5 (CGS)						
	DDI	eP	16	43	07	9.3	
		eS		44	53		
	NDI	eP	16	43	28	C 10.5	
		PP		43	36		
		S		45	26		
	BHK	eS	16	44	24		
	CHA	eP	16	44	23		
	SHL	eP	16	45	04		
	POO	eP	16	45	38		
	BOK	eS	16	47	49		
	BOM	e	16	49	38		
	MDR	e	16	52	09		
03	CHA	iP	18	04	51	C	
03	EPC: 21.9°S, 69.2°E - H = 20h 06m 56.4s (USCGS) Depth = 33 Kms. Mag. = 4.9 (CGS)						
	SHL	iP	20	16	08		DSW
03	NDI	iP	21	11	52.4	DE 0.20	
		iSg		11	55.0		
03	Epc: 15.3°S, 167.5°E NEW HEBRIDES ISLANDS - H = 21h 34m 15.2s (USCGS) Depth = 104 Kms. Mag. = 4.6 (CGS)						
	SHL	iP	21	46	35		DE
03	Epc: 56.1°S, 27.2°W SOUTH SANDWICH ISLANDS REGION - H = 22h 37m 49.6s (USCGS) Depth = 155 Kms. Mag. = 5.4 (CGS)						
	NDI	iPKP	22	56	24.3		D
03 cntd.	CHA	iPKP	22	56	34		C
	SHL	ePKP	22	56	35		
04	Epc: 28.1°N, 129.2°E RYUKYU ISLANDS - H = 00h 38m 09.4s (USCGS) Depth = 39 Kms. Mag. = 4.9 (CGS)						
	SHL	iP	00	44	49		CNE
	CHA	iP	00	45	23		
	NDI	eP	00	46	29		
	POO	iP	00	47	15.5		D
	KOD	iP	00	47	19.5		DW
04	SHL	eP	01	25	19	1.0	
		eS		25	33		
	CHA	iP	02	24	03		D
	NDI	iP	02	25	57.5		D
	MDR	e	02	26	04		
	KOD	iP	02	26	43.0		CW
	BOM	e	02	26	46		
		e		31	13		
04	EPC: 24.3°N, 122.2°E TAIWAN - H = 05h 07m 18.0s (USCGS) Depth = 76 Km. Mag. = 5.0 (CGS)						
	SHL	eP	05	12	59		
	BOK	eP	05	13	48		
	DDI	iP	05	14	43.6		C
	NDI	iP	05	14	49.8		SWC
	KOD	iP	05	15	27.5		CNW
		iPCP		17	09		
	POO	eP	05	15	29		
	BOK	e	07	34	25		
		e	08	07	13		
		e	10	23	12		
04	NDI	e	09	42	32		
04	EPC: 17.8°S, 179.0°W FIJJI ISLANDS REGION - H = 10h 17m 14.7s (USCGS) Depth = 573 Kms.						
	SHL	iP	10	29	47		
	BOK	e	10	33	41		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
04	NDI	iPKP	10	34	44	D	
ctd.	POO	iPKP	10	34	46.5	D	
04	PBA	iP	10	39	06	CSE	
		i		39	45		
	NDI	e	10	40	30		
		e		41	31		
04	EPC: 37.4°N, 141.6°E						
	Near E.Coast of Honshu,Japan.						
	- H = 13h 26m 47.7s (USCGS)						
	Depth = 46 Km.						
	Mag. = 5.7 (CGS)						
	SHL	iP	13	34	48	CSW	43.8
		eS		41	14		
	CHA	iP	13	35	15	C	47.9
		eS		42	07		
	CAL	eP	13	35	26		
	PBA	eP	13	35	46.0		
04	DDI	iP	13	35	58.3		53.4
		eS		43	24		
	NDI	iP	13	36	07.1	SWC	54.3
		PP		38	04		
		eS		43	38		
		SS		48	25		
	BOK	iP	13	35	33		
	MDR	iP	13	36	48		60.8
		eS		44	59		
	POO	iP	13	37	02.0	C	62.0
		eS		45	20		
	BOM	iP	13	37	05	CSW	63.2
		iS		45	30		
04	EPC: 43.5°N, 144.1°E						
	HOKKAIDO Japan						
	- H = 14h 30m 37.5s (USCGS)						
	Depth = 30 Km.						
	Mag. = 5.8 (CGS)						
	SHL	eP	14	38	58		47.0
		eS		45	46		
	CHA	iP	14	39	21	C	49.8
		S		46	26		
	BOK	iP	14	39	40	CW	
		i		47	21		
		PS		47	31		
	CAL	eP	14	39	49		52.0
		iS		47	08		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
04	DDI	iP	14	39	55	C	53.1
contd.		PP		41	58.8		
		S		47	21		
		eSS		51	11		
	BHK	eP	14	39	59		
	PBA	iP	14	40	05.4	CS	55.4
		iS		47	45		
	NDI	iP	14	40	05.4	CSW	55.4
		S		47	45		
	VIS	eP	14	40	21		58.1
		PP		42	30		
		eS		48	17		
	MDR	eP	14	40	58		63.7
		PCP		41	38		
		PP		43	13		
		eS		49	28		
		PS		49	43		
	POO	iP	14	41	05	C	64.0
		iS		49	37		
		SSS		56	30		
	BOM	iP	14	41	07	CS	64.3
		eS		49	41		
		PS		49	59		
	KOD	iP	14	41	24.2	DNE	67.9
04	EPC: 43.5°N, 144.0°E						
	HOKKAIDO Japan Region						
	- H = 14h 46m 01.9s (USCGS)						
	Depth = 33 Kms.						
	Mag. = 5.4 (CGS)						
	CHA	iP	14	54	45		
	NDI	iP	14	55	29.7		
	KOD	iP	14	56	50		
	DDI	e	15	05	20		
04	EPC: 43.3°N, 144.1°E						
	HOKKAIDO Japan Region						
	- H = 16h 03m 28.0s (USCGS)						
	Depth = 33 Km.						
	Mag. = 4.5 (CGS)						
	NDI	eP	16	12	57		
	SHL	e	16	14	45		
	DDI	i	16	14	48		
04	EPC: 2.8°S, 77.7°W						
	PERU ECUADO BORDER REGION						
	- H = 16h 26m 49.2s (USCGS)						
	Depth = 99 Km.,Mag. = 6.0(CGS)						

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
04 contd.	DDI	iPKP	16	46	13.7 D	
	NDI	iPKP	16	46	15.4 DW	
		i		46	42	
	BOM	ePKP	16	46	18	
		i		46	44	
	POO	iPKP	16	46	21.7 D	
	CHA	iPKP	16	46	28.0 D	
	BOK	iPKP	16	46	30.0 DW	
	SHL	iPKP	16	46	32.0	
	KOD	iPKP	16	46	32.0	
	MDR	iPKP	16	46	32.0 D	
	PBA	iPKP	16	46	45.0 DS	
	CAL	ePKP	16	47	06	
04	POO	iPg	17	17	06.2 D	1.1
		iSg		17	21.5	
		iSn		17	23.7	
	BOM	ePn	17	17	16	1.7
		iSn		17	39	
04	CHA	eP	19	05	31	7.5
		eS		06	58	
04	NDI	eP	19	31	11	
	CHA	iP	19	31	32 D	
04	SHL	eP	20	15	55	
04	NDI	eP	23	59	07	07.4
		eS	24	00	32	
05	EPC: 7.8°S, 126.9°E BANDA SEA - H = 04h 58m 35.8s (USCGS) Depth = 33 Km. Mag. = 4.9 (CGS)					
	NDI	eP	05	08	43	
	DDI	e	05	10	06	
05	NDI	i	08	30	13	
05	NDI	i	08	33	09	
05	EPC: 30.6°N, 142.4°E SOUTH OF HONSHU JAPAN - H = 08h 44m 39.0s (USCGS) Depth = 33 Kms. Mag. = 4.9 (CGS)					
	DDI	eP	08	54	09	
	NDI	iP	08	54	15.2	
	POO	iP	08	55	03.0	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
05 contd.	KOD	eP	08	55	08.0 DE	
05	EPC: 30.6°N, 142.3°E SOUTH OF HONSHU JAPAN - H = 08h 49m 59.6s (USCGS) Depth = 33 Km. Mag. = 4.4 (CGS)					
	NDI	eP	08	59	37	
05	DDI	iP	09	19	20.4 C	
05	CAL	iP	10	02	29	
	BOK	eP	10	02	31	
05	NDI	iP	10	04	27.6 C	10.4
		PP		04	35	
		eS		06	30	
	POO	eP	10	04	50	
	BOM	e	10	08	49	
05	SHL	iP	10	17	33	
05	NDI	i	13	02	39	
		i		05	25	
05	EPC: 3.2°N, 74.7°W COLUMBIA - H = 14h 23m 53.8s (USCGS) Depth = 39 Km. Mag. = 4.9 (CGS)					
	SHL	ePKP	14	43	38	
05	SHL	eP	22	54	03	1.5
		eS		54	23	
05	NDI	eP	23	36	32	
06	SHL	eP	17	44	06	
	CHA	iP	17	44	14.4 C	3.8
		S		45	0.5	
06	CHA	iPg	19	14	22.9 C	0.8
		Sg		14	42.7	
	SHL	eP	19	14	46	
07	CHA	iP	00	29	16.8 C	1.6
		S		29	39.3	
	CHA	iPn	01	55	25.9 C	4.2
		PP		55	36	
		eSn		56	16	
07	EPC: 39.1°N, 118.2°W NEVADA - H = 03h 44m 35.1s (USCGS) Depth = 33 Km. Mag. = 3.9 (CGS)					
	SHL	iPKP	04	03	05	

DATE	STN	PHASE	H.	M.	S.		△ Deg.
07 contd.	NDI	e	04	07	54		
07	KOD	eP	08	30	59		
07	BOK	e	09	30	11		
07	NDI	i	10	10	24		
07	EPC: 4.4°S, 135.2°E West New Gunia Region - H =10h 21m 49.7s (USCGS) Depth = 40 Km.						
	SHL	iP	10	30	54		
	DDI	eP	10	32	26		
07	SHL	iP	13	31	55	CSE	2.7
		iS		32	29		
	NDI	i	16	50	54		
07	CHA	eP	18	06	43		
	NDI	eP	18	07	41		
07	Epc: 37.0°N, 71.7°E Afghanistan USSR Border Region. - H = 19h 57m 26.1 (USCGS) Depth = 136 Kms. Mag. = 5.5 (CGS)						
	BHK	eP	19	58	12		
	DDI	iP	19	59	27	C	8.2
		iPP		59	34		
		ePPP		59	41		
		iS	20	00	57		
	NDI	eP	19	59	40		9.2
		iS	20	01	21		
	CHA	iP	20	01	9.9	D	15.8
		eS		04	7		
	BOK	eP	20	01	27		
	BOM	eP	20	01	32		17.8
		PP		01	46		
		eS		04	42		
	POO	eP	20	01	37		18.7
		eS		04	57		
	SHL	iP	20	01	57.5	CSE	20.2
		iS		05	37		
	VIS	eP	20	02	01		20.3
		eS		05	41		
	KOD	iP	20	03	01.5	D	
	CAL	e	20	05	32		
	MDR	e	20	07	12		
		e		07	37		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
07	CHA	iPg	22	10	35.7	D	1.5
		Sg		10	55.3		
08	EPC: 35.5°N, 140.8°E Near E.Coast of Honshu Japan. - H = 01h 56m 15.1s (USCGS) Depth = 56 Kms. Mag. = 4.3 (CGS)						
	NDI	eP	02	05	31		
	POO	eP	02	06	24		
08	EPC: 59.0°N, 150.2°W Kenai Paninsula Alaska - H = 02h 41m 34.1s (USCGS) Depth = 34 Kms. Mag. = 4.4 (CGS)						
	NDI	iP	02	54	04		
08	BOM	iPn	02	58	46	C	1.7
		ePg		58	48		
		iSn		59	08		
08	KOD	eS	03	01	41.0		
		e		02	14.5		
	MDR	e	03	03	04		
08	Epc: 16.8°N, 85.9°W Karibbean Sea - H = 03h 10m 53.3s (USCGS) Depth = 28 Kms. Mag. = 5.4 (CGS)						
	NDI	ePKP	03	30	06		
	KOD	ePKP	03	30	39.0	D	
08	DDI	eP	04	17	48		
08	DDI	eP	04	32	05		
08	EPC: 5.3°S, 134.0°E AROE Island Region - H = 06h 07m 21.4s (USCGS) Depth = 33 Kms. Mag. = 5.9 (CGS)						
	SHL	eP	06	16	21		
	VIS	eP	06	16	50		
	BOK	eP	06	16	55		54.8
		iS		24	31		
	KOD	iP	06	17	16.0	CNW	
	TRD	eP	06	17	19		
		PP		19	33		
	DDI	eP	06	17	54.5		
	BOM	eP	06	17	59		65.1
		eS		26	36		
		PPS		27	03		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
08	NDI	i	06	33	38		
08	BOK	e	08	18	26		
08	BOK	e	09	39	03		
08	SHL	ePg	10	27	14		1.4
		eSg		27	33		
08	EPC: 22.0°S, 70.3°W -H = 10h 47m 45.3s (USCGS) Depth = 60 Kms. Mag. = 4.6 (CGS)						
	POO	ePKP	11	07	20		
	NDI	iPKP	11	07	28	D	
08	NDI	eP	12	35	50	DSE	
08	NDI	i	13	02	32		
08	NDI	iP	13	20	39.0	DSE	
08	POO	eP	15	54	40		
08	NDI	iP	16	37	13.5	D	08.5
		eS		38	50		
	DDI	iP	16	37	29.2	C	
08	Epc: 51.0°N, 178.6°E RAT Islands Aleution Islands - H = 17h 03m 04.1s (USCGS) Depth = 42 Kms. Mag. = 4.7 (CGS)						
	SHL	eP	17	14	03	CSW	
	NDI	eP	17	14	42	C	
08	EPC: 51.1°N, 178.5°E RAT Islands, Aleutian Islands - H = 17h 09m 27.1s (USCGS) Depth = 29 Km. Mag. = 5.3 (CGS)						
	CHA	iP	17	20	41.0	C	71.1
		eS		29	53		
08	DDI	iP	17	20	56.1	C	72.7
		eS		30	22		
	BOK	iP	17	20	59		
	NDI	iP	17	21	05.4	CW	75.2
		eS		30	40		
08	BOM	eP	17	21	58		
		i		32	29		
	POO	eP	17	21	59		85.3
		iS		32	26		
	MDR	eP	17	22	02		85.9
		eS		32	32		
	KOD	eP	17	22	21	D	

DATE	STN	PHASE	H.	M.	S.		△ Deg.
08	EPC: 51.1°N, 178.4°E RAT Islands, Aleutian Islands. - H = 17h 22m 32.1s (USCGS) Depth = 10 Kms. Mag. = 5.2 (CGS)						
	SHL	iP	17	33	36.0	CSW	
	CHA	eP	17	33	50	C	
	DDI	iP	17	34	04	C	
	NDI	iP	17	34	13.8	CSW	
	POO	iP	17	35	07.3	C	
	BOM	i	17	35	20	C	
	KOD	iP	17	35	29.0	D	
08	SHL	iP	18	37	31	DE	
08	NDI	eP	19	46	37		
08	EPC: 51.1°N, 178.4°E RAT Islands, Aleutian Islands - H = 19h 53m 55.5s (USCGS) Depth = 32 Km. Mag. = 4.6 (CGS)						
	SHL	iP	20	04	55		
	CHA	iP	20	05	09		
	DDI	iP	20	05	23.6	C	
	NDI	eP	20	05	34	D	
		e		09	58		
	POO	eP	20	06	27		
08	POO	iPg	22	02	26.0	D	1.1
		eSg		02	41		
		eSn		02	43		
	BOM	iPn	22	02	37	D	1.7
		iSn		02	59		
08	KOD	e	22	06	04		
		e		06	12	C	
08	SHL	eP	22	47	30		
09	NDI	i	01	16	50		
09	EPC: 7.2°S, 123.6°E Banda Sea - H = 02h 18m 45.5s (USCGS) Depth = 560 Km. Mag. = 5.8 (CGS)						
	VIS	eP	02	26	30		
	MDR	iP	02	26	35		48.2
		PCP		27	53		
		pP		28	21		
		iS		32	47		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
09	BOK	eP	02	26	41		
contd.		i		32	53		
	KOD	iP	02	26	45.6		
	PBA	i	02	27	13	C	
	POO	iP	02	27	29.0	C	
	BOM	iP	02	27	36	DE	57.0
		e		28	28		
		iS		34	42		
	NDI	eP	02	27	40	DE	57.6
		eS		34	49		
	DDI	iP	02	27	44	D	58.0
		eS		34	56		
	CAL	iS	02	32	19		
09	EPC: 54.8°N, 162.1°W Alaska Peninsula - H = 07h 47m 16.0s (USCGS) Depth = 40 Kms. Mag. = 4.7 (CGS)						
	DDI	eP	07	59	26		
	NDI	iP	07	59	36.0	D	
09	BOK	e	08	47	03		
	NDI	i	08	49	16		
09	BOK	e	09	43	53		
09	SHL	eP	11	30	44		
09	NDI	eP	13	48	56		9.1
		eS		50	40		
09	SHL	eP	15	15	39		
09	POO	ePg	15	40	06		
09	CHA	iPg	16	24	40.8	D	1.1
		Sg		24	55.3		
09	POO	ePg	16	48	24.5		1.1
		eSg		48	39		
		eSn		48	41.5		
09	EPC: 35.5°N, 140.1°E Near East coast of Honshu,Japan. - H = 18h 19m 35.0s (USCGS) Depth = 68 Kms. Mag. = 5.3 (CGS)						
	SHL	iP	18	27	22	CW	
	CHA	iP	18	27	51	C	
	BOK	eP	18	28	01		
	NDI	iP	18	28	46	CSW	

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
09	POO	iP	18	29	38.5	C	
contd.	BOM	iP	18	29	43	C	
	KOD	iP	18	29	49.3	DNE	
10	SHL	eP	00	34	43		
10	DDI	eP	01	09	56		
		e		12	31		
10	EPC: 36.0°N, 53.8°E Iran - H = 02h 50m 56.0s (USCGS) Depth = 33 Km. Mag. = 5.0 (CGS)						
	NDI	eP	02	55	38	D	21.5
		eS		59	30		
	BOM	e	03	01	44		
10	NDI	i	04	39	47		
10	EPc: 45.1°N, 28.1°W North Atlantic Ridge. - H = 04h 40m 15.0s (USCGS) Depth = 33 Kms. Mag. = 4.8 (CGS)						
	NDI	e	04	52	24		
	CHA	iPn	05	17	25		1.6
		Sn		17	46		
	BOK	ePn	05	18	08		
		iSn		19	01		
	NDI	eP	05	18	14		5.7
		eS		19	20		
	SHL	e	05	18	23		
	DDI	e	05	18	43		
	POO	e	05	22	50		
10	EPC: 25.5°N, 91.7°E India E.Pakistan Border Region. - H = 06h 04m 09.4s (USCGS) Depth = 59 Km. Mag. = 4.4 (CGS)						
	SHL	i	06	04	12		
	CHA	iPn	06	05	13.3		4.3
		eSn		06	02.3		
		eSg		06	23.5		
	BOK	ePn	06	05	30		5.7
		eS		06	36		
		SS		06	49		
		SSS		06	57		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
10 contd.	DDI	eP	06	07	09		
		eS		09	31		
	NDI	eP	06	07	16		12.0
		eS		09	30		
	POO	eP	06	08	18		
	VIS	eS	06	08	48		
	BOM	e	06	12	50		
		e		14	09		
10	SHL	i	07	09	35		
		i		10	17		
		i		10	37		
10	EPC: 5.9°S, 113.1°E Java Sea - H = 07h 28m 53.7s (USCGS) Depth = 555 Km. Mag. = 5.2 (CGS)						
	SHL	iP	07	35	23	CNE	
	NDI	iP	07	36	48		50.0
		eS		43	07		
10	KOD	eP	09	17	29		
10	KOD	eP	09	19	40		
10	BOK	e	10	06	24		
10	BHK	e	10	43	22.0		
10	EPC: 10.4°N, 126.3°E PHILIPPINE Islands Region - H = 11h 29m 51.3s (USCGS) Depth = 43 Km. Mag. = 5.3 (CGS)						
	SHL	iP	11	36	49.0	DE	
	KOD	eP	11	38	29	DE	
	POO	eP	11	38	52		
10	NDI	ePn	14	21	54		3.2
		iSn		22	53		
10	EPC: 6.0°S, 71.4°E ARCI CHAGOS - H = 18h 35m 37.6s (USCGS) Depth = 32 Km. Mag. = 5.4 (CGS)						
	CHA	iP	18	42	00		
	NDI	eP	18	42	06		
	TRD	iP	18	42	13	E	15.8
		eS		45	07		
	KOD	eP	18	42	35.0	CNE	
		eS		45	39		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
10 contd.	MDR	iP	18	43	18		21.1
		PP		43	39		
		PPP		43	49		
		iS		47	05		
	GOA	eP	18	43	29		22.2
		eS		47	26		
	POO	eP	18	43	55		25.3
		eS		48	16		
	BOM	iP	18	43	57	NEC	25.6
		PP		44	34		
		iS		48	21		
		SS		48	33		
	VIS	eP	18	44	14		26.9
		eS		48	48		
	PBA	iP	18	44	26	C	28.3
		PP		45	05		
		PPP		45	22		
		eS		49	09		
	BOK	eP	18	45	14		34.2
		iS		50	30		
	NDI	iP	18	45	28.3	CN	35.1
		iS		50	58		
	CHA	iP	18	45	41	D	36.2
		S		51	19		
	DDI	eP	18	45	43		36.8
		eS		51	24		
	SHL	iP	18	45	49	CNE	37.8
		iS		51	38		
	CAL	i	18	50	35		
	SHL	iP	19	54	39	DSW	0.5
10	EPC- 6.2°S, 128.7°E Banda Sea - H = 19h 53m 46.6s (USCGS) Depth = 270 Km. Mag. = 5.2 (CGS)						
	SHL	iP	20	01	59		
	CHA	iP	20	02	32	C	
	NDI	iP	20	03	29.5	D	1.0
10	SHL	iPg	20	20	32	DSW	0.4
		eSg		20	37		
10	EPC: 45.3°N, 149.8°E - H = 20h 48m 25.7s (USCGS) Depth = 270 Km. Mag. = 5.2 (CGS)						
	SHL	iP	20	57	13	DSW	

DATE	STN	PHASE	H.	M.	S.		△ Deg.
10 contd.	CHA	iP	20	57	34	C	
	NDI	iP	20	58	14.2	C	
11	EPC: 28.4°N, 138.6°E BONIN Islands Region - H = 00h 21m 37.6s (USCGS) Depth = 529 Km. Mag. = 4.3 (CGS)						
	SHL	iP	00	28	39.0	CW	
	DDI	iP	00	30	00.0	C	
	NDI	iP	00	30	08.2	CW	
	KOD	iP	00	31	54.8	DE	
11	NDI	i	02	14	06		
11	DDI	eP	02	34	15		
		e		34	47		
	NDI	iP	02	34	45.2	D	
11	DDI	ePn	03	11	16		
		e		13	11		
11	NDI	ePn	03	11	25		6.4
		P*		11	41		
		iPg		11	57.5		
		iSn		12	40		
		iSg		13	20		
11	POO	e	03	16	25		
11	SHL	iPg	03	57	35	DSW	0.4
		eSg		57	40		
11	SHL	eP	04	26	19		
11	DDI	eP	04	59	13	C	7.5
		eS	05	00	40		
	NDI	iP	04	59	24.9	NC	8.3
		iS	05	01	00		
11	NDI	i	05	15	29		
11	BOK	e	07	27	11		
		e	07	30	21		
11	NDI	e	07	49	25		
11	NDI	e	08	37	54		
11	EPC: 6.0°S, 71.4°E GHAGOS ARCHIPELAGO REGION - H = 11h 55m 55.6s (USCGS) Depth = 37 Km. Mag. = 5.6 (CGS)						
	TRD	iP	11	59	30	E	
		e	12	02	25		
				03	00		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
11	KOD	iP	11	59	53.5	CNE	17.6
		eS	12	03	06		
	MDR	e	12	00	36		
		eS		04	30		
	GOA	eP	12	00	46		21.7
		PP	12	01	13		
		iS		04	44		
	POO	eP	12	01	13		25.3
		eS		05	34		
	BOM	eP	12	01	15	CN	25.4
		PPP		02	02		
		iS		05	37		
	VIS	eP	12	01	31		27.4
		ePPP		02	30		
		eS		06	07		
		eSSS		07	48		
	PBA	eP	12	01	44		28.3
		eS		06	27		
	BOK	eP	12	02	29		34.0
		iS		07	49		
	NDI	iP	12	02	46.2	D	35.5
		PP		04	07		
		S		08	18		
		SSS		11	19		
		SCS		13	18		
	CHA	eP	12	02	57		
		e		11	09		
	DDI	iP	12	03	01.3	C	36.9
		iS		08	43		
	SHL	eP	12	03	06		37.7
		i		04	18		
		iS		08	54		
		iSSS		11	51		
	CAL	e	12	03	36		
11	EPC: 6.0°S, 71.3°E CHAGOS Archipelago Region - H = 12h 14m 57.3s (USCGS) Depth = 34 Km. Mag. = 5.7 (CGS)						
	KOD	iP	12	18	58.6	CNE	
	MDR	eP	12	19	39		21.7
		eS		23	34		
	POO	eP	12	20	15.6		25.2
		eS		24	36		
	BOM	eP	12	20	16		25.4
		eS		24	38		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
11	VIS	eP	12	20	35		27.4
contd	PBA	iP	12	20	50	D	
		i		25	45		
	NDI	iP	12	21	48.2	SD	35.5
		S		27	20		
	CHA	iP	12	22	00	C	
	SHL	iP	12	22	09	CNE	
11	SHL	eP	13	01	55		

11 EPC: 6.1°S, 71.3°E
CHAGOS ARCHIPELAGO Region
- H = 15h 05m 10.3s (USCGS)
Depth = 33 Km.
Mag. = 5.3 (CGS)

TRD	e	15	08	27		
KOD	iP	15	09	11.0	CNE	
	e		12	40		
MDR	eP	15	09	52		
	PPP		10	25		
	e		13	52		
BOM	e	15	10	27		
POO	eP	15	10	28		25.4
	eS		14	50		
PBA	iP	15	11	01	D	
	e		15	41		
BOK	e	15	11	42		
NDI	eP	15	12	02		35.5
	PP		13	13		
	S		17	34		
CHA	eP	15	12	13		
SHL	eP	15	12	21		

11 EPC: 6.1°S, 71.5°E
CHAGOS ARCHIPEPAGO Region
Depth = 33 Km.
Mag. = 5.4 (CGS)
-H = 17h 42m 18.4s(USCGS)

KOD	iP	17	46	20.0	CNE	
	e		49	48		
MDR	eP	17	46	59		
	e		51	00		
POO	eP	17	47	35		
NDI	iP	17	49	10.0	SD	35.5
	S		54	42		
	SSS		57	25		
CHA	eP	17	49	21		
SHL	iP	17	49	29		
BOM	e	17	52	06		
BOK	e	17	54	22		
DDI	e	17	55	09		
	i	18	12	53		

11 EPC: 6.1°S, 71.4°E;
CHAGOS ARCHIPEPAGO Region
- H = 18h 00m 00.7s (USCGS)
Depth = 33 Km.
Mag. = 5.7 (CGS)

TRD	eP	18	03	33		
	e		06	44		
KOD	iP	18	04	00.8	DSE	18.3
	iS		07	21		
MDR	eP	18	04	41		
	PP		05	03		
	e		08	44		
POO	eP	18	05	19		25.4
	eS		09	41		
BOM	eP	18	05	21		26.1
	eS		09	47		
VIS	eP	18	05	36		27.4
	eS		09	12		
PBA	iP	18	05	49	D	
	e		10	06		
CAL	eP	18	06	41		33.5
	iS		11	59		
NDI	iP	18	06	52.0	DS	35.5
	PP		08	08		
	PPP		08	25		
	S		12	24		
	SSS		15	10		
CHA	iP	18	07	03	C	
SHL	iP	18	07	12	CNE	

11 EPC: 6.1°S, 71.1°E
CHAGOS ARCHIPELAGO Region.
H = 19h 07m 32.4s (USCGS)
Depth = 33 Km.
Mag. = 4.9 (CGS)

KOD	eP	19	11	33		
POO	eP	19	12	51		
NDI	iP	19	14	26.0	DS	35.5
	eS		19	58		
CHA	eP	19	14	37		
SHL	eP	19	14	42		

11 EPC: 6.0°S, 71.3°E
CHAGOS ARCHIPELAGO Region
-H = 20h 18m 11.1s (USCGS)
Depth = 20 Km, Mag. = 5.4 (CGS)

DATE	STN	PHASE	H.	M.	S.		△ Deg.
11	KOD	iP	20	22	13		
Contd.							
	MDR	e	20	23	00		
		e		26	54		
	POO	eP	20	23	31		25.3
		eS		27	52		
	NDI	eP	20	25	04	D	35.6
		S		30	36		
	CHA	iP	20	25	15	D	
	SHL	iP	20	25	24	DSW	
	BOM	e	20	28	09		
11	NDI	i	20	40	30		
	SHL	iPg	20	46	57	DSW	0.2
		eSg		46	59		
	NDI	eP	21	14	39		
12	NDI	i	00	55	41		
12	EPC: 44.8°N, 149.8°E Kurile Islands - H = 02h 27m 16.6s (USCGS) Depth = 41 Km. Mag. = 5.5 (CGS)						
	POO	iP	02	38	09.2	C	
	NDI	eS	02	45	07		
	SHL	ePg	03	33	44		0.4
		eSg		33	49		
12	NDI	i	06	57	53		
	NDI	e	10	11	58		
	DDI	e	10	12	04		
12	EPC: 36.3°N, 71.4°E Afghanistan USSR Border Region - H = 10h 40m 35.7s (USCGS) Depth = 98 Km. Mag. = 5.1 (CGS)						
	DDI	iP	10	42	35		8.1
		S		44	05		
	NDI	eP	10	42	45	DW	9.0
		PPP		43	00		
		iS		44	24		
	CHA	e	10	44	31	D	
	POO	e	10	44	45		
	BOK	e	10	44	52		
	SHL	iP	10	45	11	DNW	
12	VIS	e	10	45	50		
contd.	KOD	iP	10	46	33.5	DS	
	BOM	e	10	48	38		
		e		56	59		
	CAL	e	10	48	51		
	MDR	e	10	50	38		
12	EPC: 17.2°S, 172.0°W - H = 10h 36m 52.0s (USCGS) Depth = 34 Km. Mag. = 5.6 (CGS)						
	NDI	ePKP	10	55	32	D	116.0
		ePP		56	42		
		ePS	11	06	26		
	POO	ePKP	10	55	36		
		e	11	06	46		
12	EPC: 6.1°N, 95.2°E Nicobar Islands Region - H = 12h 32m 43.4s (USCGS) Depth = 105 Km. Mag. = 4.7 (CGS)						
	PBA	e	12	35	04		
	MDR	eP	12	36	26		14.9
		ePP		36	44		
		eS		39	08		
	KOD	eP	12	36	48	CNE	
		e		39	42		
	SHL	eP	12	37	06		
	BOK	eP	12	37	08		
	POO	eP	12	37	52		
12	EPC: 6.0°S, 139.6°E Banda Sea - H = 13h 07m 31.1s (USCGS) Depth = 114 Km. Mag. = 4.9 (CGS)						
	SHL	eP	13	16	07		
	MDR	eP	13	16	41		
	POO	eP	13	17	33		
	NDI	eP	13	17	38		
12	EPC: 22.8°S, 170.7°E Loyalty Islands Region - H = 17h 24m 31.9s (USCGS) Depth = 26 Km. Mag. = 5.1 (CGS)						
	SHL	eP	17	37	32		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
12 contd.	MDR	e	17	48	11		
	BOK	e	17	48	27		
12	EPC: 3.1°N, 126.9°E Taland Islands - H = 18h 55m 07.6s (USCGS) Depth = 73 Km. Mag.= 5.4 (CGS)						
	SHL	iP	19	02	40		CSW
	CHA	iP	19	03	17.0		D
		PCP		04	59		
	NDI	iP	19	04	22		C
	DDI	eP	19	04	23		
	POO	eP	19	04	27		
12	EPC: 19.1°N, 121.2°E Phillipine Islands Region. - H = 21h 19m 45.2s (USCGS) Depth = 64 Km. Mag. = 4.7 (CGS)						
	SHL	iP	21	25	29		DW
	CHA	iP	21	26	09		D
	NDI	eP	21	27	23		
	POO	iP	21	27	53.5		D
	DDI	iP	22	27	19.7		
12	EPC: 4.8°S, 129.7°E (USCGS) Banda Sea - H = 23h 13m 54.6s (USCGS) Depth = 141 Km. Mag. = 5.3 (CGS)						
	SHL	iP	23	22	19		CNW
	CHA	iP	23	22	51		C
	MDR	eP	23	22	54		
	KOD	iP	23	23	08.5		CSE
	POO	iP	23	23	46.5		C
	NDI	iP	23	23	50.5		CN
	DDI	eP	23	23	53		
	DDI	eP	23	39	19		
		i		39	25		
13	SHL	ePg	00	04	43		1.1
		iSg		04	59		
13	EPC: 37.9°N, 29.1°E TURKEY - H = 06h 50m 33.8s (USCGS) Depth = 46 Km. Mag. = 4.6 (CGS)						
	NDI	eP	06	58	16		D
	KOD	eP	07	18	53.0		DSW
	SHL	iP	09	36	06		DSE
	NDI	i	11	14	29		
13	EPC: 10.6°N, 126.5°E Phillipine Islands Region. - H = 15h 50m 38.1s (USCGS) Depth = 81 Km.						
	SHL	iP	15	57	34.5		D
13	DDI	eP	16	14	17.7		
	NDI	i	16	14	30		
13	EPC: 1.2°N, 126.4°E MOLUCCA PASSAGE - H = 16h 13m 25.1s (USCGS) Depth = 21 Km.						
	SHL	eP	16	21	08		
	KOD	iP	16	22	17.5		CE
	NDI	eP	16	22	48		
	POO	e	16	22	49		
	DDI	e	16	22	50		
13	DDI	eP	19	04	24		9.3
		eS		06	10		
	NDI	eP	19	04	42		10.1
		eS		06	37		
	SHL	e	19	11	51		
3	TOC	ePn	19	12	20		1.5
		eSn		12	41		
	CHA	e	19	12	46		
	NDI	e	20	33	05		
13	POO	ePg	20	41	53		1.1
		eSg		42	08		
		eSn		42	10.5		
	SHL	iP	21	14	19		CNE
14	EPC: 24.0°N, 91.5°E India-E.Pakistan Border - H = 00h 04m 17.8s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	TOC	ePg	00	05	15		1.2
		eSg		05	30		
	CHA	iP	00	05	30.5		D
	BOK	eP	00	05	38		
		PPP		05	54		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
	BOK	SS		06	58		
	Contd.	SSS		07	09		
	VIS	eP	00	06	44		
	DDI	eP	00	07	27		13.3
		PP		07	38		
		eS		09	54		
		eSS		10	09		
	NDI	eP	00	07	29		13.5
		eS		09	59		
	MDR	eP	00	08	15		
		PP		08	28		
	POO	eP	00	08	18		
	BOM	eP	00	08	38		
		e		12	13		
	TRD	e	00	13	02		
		e		13	22		
14	CHA	iP	00	18	24.5	C	1.6
		S		18	45.0		
14	SHL	iPg	00	31	10	DS	1.3
		eSg		31	28		
14	SHL	iPg	00	45	13	DS	1.3
		eSg		45	31		
14	SHL	iPg	00	49	55	DS	1.3
		iSg		50	14		
14	NDI	i	02	41	52		
	SHL	iPg	02	42	28	DSW	1.3
		eSg		42	47		
	SHL	iPg	03	01	35	DSW	1.3
		eSg		01	53		
	NDI	i	04	29	44		
		e	05	17	20		
14	EPC: 5.4°S, 147.1°E E.New Guinea Region. - H = 05h 28m 36.9s (USCGS) Depth = 201 Km. Mag. = 5.8 (CGS)						
	SHL	eP	05	38	37		62.1
		eS		46	44		
	BOK	iP	05	39	08.0		
	KOD	iP	05	39	37.5	DSE	71
	NDI	iP	05	39	58	C	75.2
		i		40	48		
		eS		49	17		
		PS		50	24		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
14	DDI	eP	05	39	59		
contd.	POO	eP	05	40	03		
	BOM	eP	05	40	08		
		e		49	40		
14	VIS	eP	06	39	12		
14	NDI	i	07	23	27		
14	POO	eP	07	42	15		
	SHL	iPg	08	32	57	D	
	BOK	e	09	38	08		
	KOD	eP	10	28	21.	DSW	
14	BOM	ePg	11	57	29		0.1
		eSg		57	31		
14	SHL	iPg	13	32	40	DSW	1.3
		eSg		32	59		
	SHL	iPg	13	41	15	CN	1.3
		eSg		41	34		
	POO	eP	13	50	26		
	SHL	iPg	14	27	23	CN	1.3
		eSg		27	41		
14	SHL	iPg	16	18	24	DS	1.3
		eSg		18	42		
	NDI	i	16	48	47		
	SHL	iPg	18	57	51	DSW	1.3
		eSg		58	09		
	NDI	e	21	25	47		
	NDI	e	22	44	48		
15	NDI	eP	01	05	45		
		i		08	14		
15	NDI	e	05	38	44		
15	NDI	i	07	11	21		
15	EPC: 6.2°N, 123.7°E Mindanao Philipine,Islands. - H = 07h 36m 36.4s (USCGS) Depth = 567 Km. Mag. = 5.2 (CGS)						
	SHL	iP	07	42	53	DE	
	BOK	eP	07	43	29		40.5
		iS		48	58		
	VIS	iP	07	43	34		
	MDR	iP	07	43	52		43.5
		eS		49	40		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
15 contd.	KOD	iP	07	44	11.7	DE	
	DDI	eP	07	44	34		
	NDI	iP	07	44	35.0	DNE	49.1
		IPCP		45	48		
		iS		50	58		
	POO	iP	07	44	41	D	
	BOM	iP	07	44	48	DE	51.3
		e		47	38		
		iS		51	24		
	CAL	iS	07	48	21		
	CHA	e	07	48	31	D	
15	BOK	e	09	06	14		
15	KOD	eP	09	53	17	DNW	
15	NDI	e	11	34	13		
15	NDI	e	12	35	21		
15	SHL	iPg	13	20	07		
		eSg		20	25		
15	NDI	e	15	38	09		
15	SHL	iPg	16	08	11	DW	1.3
15	NDI	eP	17	33	52		
15	POO	eP	17	34	33		
15	KOD	eP	18	11	58.7	DSW	
		e		12	03		
15	EPC: 2.0°S, 81.0°W Near Coast of Equator - H = 18h 37m 31.0s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	DDI	iPKP	18	57	07	C	
	NDI	iPKP	18	57	10.3	D	
	POO	iPKP	18	57	21	D	
15	EPC: 30.7°N, 51.4°E - H = 19h 35m 46.3s (USCGS) Depth = 10 Km. Mag. = 4.6 (CGS)						
	NDI	eP	19	40	49.		
	DDI	eP	19	40	51.5		
	BOM	eP	19	40	53		
	POO	eP	19	41	01		
	SHL	iP	19	42	47	D	
15	NDI	iPKP	19	49	37		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
15	EPC: 28.7°S, 71.2°W Near Coast of Central Chile - H = 21h 31m 51.5s (USCGS) Depth = 15 Km. Mag. = 6.2 (CGS)						
	TRD	eP	21	51	26	E	
		e		54	53		
	BOM	iPKP	21	51	31	SWC	147.0
		ePP		55	04		
		SKS		58	40		
	KOD	iPKP	21	51	31.5	CNE	
	POO	iPKP	21	51	33.0	C	148.0
		pP		55	08		
	MDR	ePKP	21	51	38		
	NDI	$ePKP_1$	21	51	42.1	C	154.2
		$ePKP_2$		52	06.5		
	DDI	iPKP	21	51	43.4	C	
		i		52	05.9		
	VIS	ePKP	21	51	45		
	BOK	iPKP	21	51	51	C	
	CHA	eP	21	51	55	D	
	CAL	e	21	52	36		
15	NDI	eP	23	10	55		
16	SHL	ePg	00	39	58	DSW	1.0
		eSg		40	13		
16	EPC : 37.6°N, 69.7°E - H = 00h 41m 24.7s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	DDI	eP	00	43	46		
		iSSS		45	54		
	NDI	eP	00	44	01		10.1
		eS		45	55		
	SHL	e	00	46	19		
16	SHL	iPg	02	46	29	CN	1.3
		eSg		46	48		
16	NDI	e	03	09	17		
		i		09	37		
16	KOD	ePg	03	20	49		1.6
		eSg		21	11		
16	KOD	ePg	03	23	17		1.6
		eSg		23	38		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
16	SHL	iPg	07	32	25	CNE	1.3
		eSg		32	43		
16	NDI	eP	12	56	56		
16	KOD	iP	14	09	50.2	DSW	
16	SHL	iPg	14	50	50	DSW	1.3
				51	09		
16	SHL	iPg	14	58	52	CN	
16	SHL	iPg	15	47	35	CNE	1.3
		eSg		47	53		
16	SHL	iPg	17	20	39		
	CHA	iP	17	29	11	C	
16	KOD	eP*	17	42	23.0	DSW	1.7
		eS*		42	52		
16	SHL	iPg	19	32	08	DSW	1.3
		eSg		32	27		
16	POO	iPg	20	17	20.5		1.1
		eSg		17	35.7		
		eSn		17	38		
16	PBA	iPg	23	10	42.4	D	0.1
		iSg		10	43.9		
16	POO	ePg	23	43	51		1.1
		eSg		44	05.5		
		eSn		44	08		
17	NDI	ePn	00	51	41		4.7
		i		51	47		
		iSn		52	37		
17	NDI	e	01	57	16		
	NDI	i	01	59	20		
	NDI	e	01	59	39		
17	NDI	eP	02	28	34		8.9
		iS		30	16		
	POO	eP	02	40	14		
	NDI	i	03	43	36		
		e	03	43	38		
17	NDI	i	04	41	45		
17	SHL	iPg	04	46	35	D	0.8
		eSg		46	46		
17	NDI	i	04	50	43		
		i		50	46		
17	NDI	iP	05	13	25	C	8.6
		eS		15	03		
	DDI	i	05	14	50		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
17	BOK	e	05	27	27		
17	SHL	iP	05	36	09	D	
17	NDI	eP	05	37	41		
17	BOM	e	06	01	-		
	BOK	e	07	52	57		
	KOD	iP	08	08	28.7	DS	
17	NDI	eP	08	08	36	C	
		i		09	11		
17	BOK	e	08	30	01		
17	SHL	iPg	08	40	07		
		eSg		40	26		
	BOK	e	08	42	38		
17	EPC: 6.3°S, 154.9°E Soloman Islands - H = 09h 19m 21.0s (USCGS) Depth = 60 Km. Mag. = 5.1 (CGS)						
	SHL	iP	09	30	19.6	DS	
	BOK	eP	09	30	50		
	CHA	eP	09	31	06		
17	VIS	e	09	31	13		
	KOD	iP	09	31	20.0	DE	
	NDI	eP	09	31	36		
		i	09	31	51		
	POO	eP	09	31	42		
	BOM	eP	09	31	46	EC	85.2
		iS		42	09		
	DDI	i	09	31	50		
17	EPC: 13.7°S, 167.3°E New Hebrias Islands - H = 10h 10m 04.7s (USCGS) Depth = 215 Km. Mag. = 4.5 (CGS)						
	SHL	eP	10	22	08	C	
17	BOK	e	10	51	02		
17	POO	eP	13	55	(41)		
17	EPC: 24.0°N, 122.3°E Taiwan Region - H = 13h 58m 35.3s (USCGS) Depth = 36 Kms. Mag. = 5.1(CGS)						
	SHL	eP	14	04	21		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
17 contd.	NDI	eP	14	06	13		
	POO	eP	14	06	52		
17	EPC: 24.1°N, 122.2°E Taiwan Region - H = 14h 48m 02.1s (USCGS) Depth = 53 Km. Mag. = 5.1 (CGS)						
	SHL	eP	14	53	45		
	NDI	eP	14	55	37		
17	SHL	iPg	17	18	14	DS	1.3
		eSg		18	33		
17	EPC: 21.6°S, 68.2°W CHILE BOLIVIA Region - H = 18h 31m 14.1s (USCGS) Depth = 129 Km. Mag. = 4.7 (CGS)						
	POO	iPKP	18	50	36.0	D	
	NDI	ePKP	18	50	44	D	
		e		54	13		
	KOD	iPKP	18	50	40	DS	
	DDI	i	18	50	54		
17	EPC: 1.5°N, 126.3°S MOLUCCA Passage - H= 20h 04m 04.2s (USCGS) Depth = 69 Km Mag. = ?.						
	SHL	iP	20	11	41		
	KOD	eP	20	12	48	DW	
	NDI	eP	20	13	21		
17	SHL	eP	22	56	11		
17	KOD	iPg	23	59	29.5	DE	1.6
		iSg		59	51		
18	EPC: 1.3°N, 126.1°E MOLUCCA Passage - H = 01h 05m 47.2s (USCGS) Depth = 78 Km. Mag. = 4.5 (CGS)						
	SHL	eP	01	13	21		
	KOD	eP	01	14	29	CW	
	NDI	eP	01	15	03		
		e		19	35		
18	EPC: 35.2°N, 23.1°E CRETE - H = 02h 31m 35.4s (USCGS) Depth = 43 Km. Mag. = 4.5 (CGS)						

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
18 contd.	NDI	iP	02	39	56.5	C	
		i		39	59		
18	KOD	eP	03	02	41	CSW	
18	NDI	i	03	28	27		
18	SHL	eP	03	47	09		
18	NDI	e	04	26	29		
18	EPC: 4.8°N, 125.9°E TALAND ISLANDS - H = 05h 05m 59.8s (USCGS) Depth = 128 Km. Mag. = 5.0 (CGS)						
	SHL	iP	05	13	11		
18	EPC: 1.7°S, 134.1°E W. New Guinea Region - H = 05h 29m 35.0s (USCGS) Depth = 49Km Mag. = 4.8 (CGS)						
	SHL	iP	05	38	19.2	CW	
	NDI	eP	05	39	54	C	
	DDI	eP	05	39	54	C	
18	NDI	iPg	07	06	45.4	DSE	
		iSg		06	47.2		
18	BOK	e	07	37	58		
18	BOK	e	11	04	39		
	SHL	eP	11	40	36		
18	BOM	ePg	11	58	39		0.1
		eSg		58	40		
18	EPC: 13.4°N, 89.1°W - H = 12h 16m 55.4s (USCGS) Depth = 78 Km. Mag. = 5.1 (CGS)						
	NDI	iPKP	12	36	11.0	C	
	SHL	iPKP	12	36	20	D	
	KOD	iPKP	12	36	47.1	D	

**please see on page 30

18	POO	ePn	18	14	05		3.3
		eSn		14	45		
	NDI	eP	18	15	28		4.1
		i		15	40		
		iS		16	17		
	SHL	iP	20	43	37	DSW	
	CHA	iP	20	44	25.3	D	6.5
		PP		44	32		
		i		44	49		
		S		45	40		
	BOK	eP	20	44	31		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
18	NDI	eP	20	46	29		
	P00	eP	20	47	14		
		e		50	13		
18	SHL	iPg	21	10	30	DSW	1.3
		eSg		10	48		
18	SHL	iPg	23	40	01	DS	0.9
		eSg		40	12		
19	NDI	i	06	42	16		
19	EPC: 43.7°N, 85.8°E Northern Sinkiang Province CHINA - H = 08h 28m 17.8s (USCGS) Depth = 33 Km. Mag. = 4.7 (CGS)						
	DDI	eP	08	31	46		
		i		31	54		
		iPP		32	01		
	NDI	eP	08	32	09	D	
		i		32	21		
		iPP		32	31		
	SHL	iP	08	32	37.1	CN	
19	EPC: 36.4°N, 141.1°E Near East Cost of Honshu,Japan. - H = 12h 06m 59.5s (USCGS) Depth = 41 Km. Mag. = 5.5 (CGS)						
	SHL	iP	12	14	57	CSW	
	CHA	iP	12	15	25	CW	
		e		22	30		
	CAL	eP	12	15	37		
		e		22	54		
	BOK	iP	12	15	41	CSW	48.6
		iS		22	41		
		PS		22	48		
		PPS		23	00		
	PBA	iP	12	15	53	D	49.9
		iS		22	58		
	DDI	iP	12	16	08,3	C	
		PP		17	08		
	NDI	iP	12	16	17.8	CSW	53.2
		eS		23	43		
	VIS	iP	12	16	19	DE	
	MDR	iP	12	16	57	CE	59.3
		eS		25	02		
	P00	iP	12	17	11.9	C	
		e		26	05		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
18 contd.	BOM	iP	12	17	16	CSW	
		e		25	47		
	KOD	iP	12	17	23.6	CSW	
19	SHL	iP	15	17	48	DSW	
19	EPC: 11.5°N, 125.4°E Samar,Phillipine Islands - H = 15h 20m 27.3s (USCGS) Depth = 69 Km.						
	SHL	eP	15	27	12		
	NDI	iP	15	29	01.0		
19	EPC: 22.6°S, 170.9°E Loyalty Islands Region - H = 17h 29m 20.5s (USCGS) Depth = 33 Km. Mag. = 5.2 (CGS)						
	PBA	eP	17	41	57		
		iSKS		52	18		
	SHL	eP	17	42	19		
	CAL	eP	17	42	36		93.0
		iS		53	41		
	BOK	iP	17	42	39	CW	
		i		53	20		
	CHA	eP	17	42	44		97.0
		eSKS		53	20		
	MDR	eP	17	42	46		
		e		46	26		
		eSKS		53	30		
		e		58	51		
	KOD	eP	17	42	52	C	
	P00	eP	17	43	19		103.0
		ePP		47	36		
		eS		55	04		
		SS	18	02	21		
	NDI	eP	17	43	20	WC	103.6
		PP		47	36		
		SKS		54	05		
		eS		55	12		
	BOM	eP	17	43	25		
		ePP		47	42		
	TRD	eP	17	53	32		
				54	27		
	DDI	iS	17	55	11		
19	EPC: 22.6°S, 171.2°E Loyalty Islands Region - H =18h 32m 18.2s (USCGS) Depth = 21 Km.,Mag. = 4.7(CGS)						

DATE	STN	PHASE	H.	M.	S.		△ Deg.
19 contd.	SHL	eP	18	45	20		
19	NDI	iPn	20	07	10.7	C	2.3
		iSn		07	40.0		
19	EPC: 22.6°S, 170.7°E Loyalty Islands Region Depth = 33 Km. Mag. = 4.3 (CGS)						
	SHL	eP	20	32	34		
19	PBA	iPg	20	52	01.2	D	1.0
		iSg					
19	SHL	iPg	21	09	56	DS	1.3
		eSg		10	15		
19	SHL	iPg	22	48	06	DS	1.3
		eSg		49	15		
19	NDI	i	23	21	47		
20	SHL	ePg	06	15	46		1.3
		eSg		16	05		
20	EPC: 51.2°N, 151.3°E Sea of OKHOTSK - H = 10h 15m 43.0s (USCGS) Depth = 426 Km. Mag. = 4.7 (CGS)						
	NDI	iP	20	24	57.5	DNE	
20	EPC: 32.0°N, 140.9°E South of Honshu Japan - H = 10h 48m 31.8s (USCGS) Depth = 65 Km. Mag. = 5.0 (CGS)						
	SHL	eP	10	56	26		
	NDI	e	10	57	52		
		iP		57	53.0		
	P00	eP	10	58	41		
	K0D	iP	10	58	48.2	CSW	
10	SHL	ePg	13	33	13		1.3
		eSg		33	21		
20	EPC: 12.9°N, 143.4°E - H = 13h 35m 28.7s (USCGS) Depth = 145 Km. Mag. = 4.7 (CGS)						
	SHL	iP	13	44	09	CSW	
	P00	eP	13	46	06		
20	SHL	iP	16	59	22	C	
	NDI	e	16	59	24		
20	NDI	e	19	02	35		
20	SHL	iP	21	31	57	CSW	
20	NDI	e	22	26	26		
21	SHL	ePg	03	21	37		1.3
		eSg		21	55		
21	DDI	eP	06	19	30		8.1
		eS		20	04		
	NDI	eP	06	19	47		9.3
		eS		21	33		
21	DDI	eP	06	21	21		
		e		22	52		
	NDI	iP	06	21	49		
		iS		23	55		
	SHL	eP	06	22	34		
	P00	eP	06	23	45		
	B0K	e	06	28	09		
	B0M	e	06	31	11		
21	SHL	iPg	07	17	35	CNW	1.0
		eSg		17	48		
21	K0D	eP	07	21	16	CNE	
21	NDI	i	08	18	15		
21	EPC: .1°N, 17.1°W North of Ascension Islands - H = 08h 53m 22.4s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)						
	NDI	eP	09	06	38		
21	B0K	e	09	43	32		
		e	11	31	57		
21	NDI	i	13	01	27		
	SHL	iP	13	03	18	CW	
21	SHL	iPg	13	11	10	CW	1.0
		eSg		11	22		
21	CHA	iP	14	52	29.7	C	12.1
		S		54	47.2		
21	EPC: 30.8°N, 50.4°E IRAN - H = 15h 04m 54.7s (USCGS) Depth = 33 Km. Mag. = 4.6 (CGS)						
	NDI	eP	15	10	05	CSE	
21	EPC: 20.5°S, 66.3°W Southern Bolivia - H = 15h 36m 40.6s (USCGS) Depth = 63 Km., Mag. = 4.4 (CGS)						

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
21 contd.	NDI	iPKP	15	56	16.8	C	
21	POO	iPg	16	45	48.5	D	1.1
		eSg		46	04		
		eSn		46	06		
	BOM	iPg	16	45	59	D	1.8
		iSg		46	21		
21	KOD	ePg	16	49	09.5	DSW	1.5
		iSg		49	29.0		
21	EPC: 72.7°N, 8.5°E Norwegian Sea - H = 17h 02m 25.0s (USCGS) Depth = 33 Km. Mag. = 5.5 (CGS)						
	NDI	iP	17	12	08.4		57.7
		eS		20	02		
	CHA	iP	17	12	41	C	
	BOK	iP	17	12	55		
	SHL	eP	17	12	56		
	BOM	eP	17	13	03		65.8
		eS		21	45		
	POO	eP	17	13	07		
	MDR	eP	17	13	51		
	KOD	eP	17	14	02		
21	NDI	i	18	38	12		
21	EPC: 12.6°S, 166.3°E Santa Cruz Islands - H= 19h 59m 32.4s (USCGS) Depth = 48 Km. Mag. = 4.5 (CGS)						
	SHL	iP	20	11	48.9		
	CHA	eP	20	12	13		
21	EPC: 48.2°N, 27.8°W -H = 21h 58m 24.3s (USCGS) Depth = 33 Km. Mag. = 5.0 (CGS)						
	NDI	eP	22	02	23		
22	PBA	ePg	00	31	46		0.8
		iSg		31	57		
22	NDI	i	02	27	41		
22	EPC: 60.6°N, 147.2°W Central Alaska - H = 02h 44m 26.3s (USCGS) Depth = 2Km Mag. = 4.3 (CGS)						

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
22 contd.	NDI	eP	02	56	45		
22	NDI	i	03	05	38		
22	NDI	i	03	27	10		
22	EPC: -49.9°N, 70.3°E Eastern Kazaka SSR - H = 04h 03m 57.1s (USCGS) Depth = 0 Mag. = 4.8 (CGS)						
	NDI	iP	04	08	47		
22	KOD	iP	04	11	33	DW	
22	NDI	e	04	38	36		
22	EPC: 53.1°N, 172.4°W Andrean of Island, Aleutian Islands. - H = 04h 37m 30.2s (USCGS) Depth = 130 Km. Mag. = 4.9 (CGS)						
	NDI	i	04	49	43		
22	NDI	i	05	24	54		
22	NDI	eP	06	00	37		
	POO	eP	06	01	36		
22	NDI	e	06	22	34		
22	KOD	iP	06	29	35.4	CNE	
22	BOM	ePg	07	09	55		0.2
		eSg		09	57		
22	BOK	e	08	43	43		
22	BOK	e	09	15	22		
22	EPC: 14.8°N, 146.8°E - H = 09h 31m 37.1s (USCGS) Depth = 57 Km. Mag. = 4.5 (CGS)						
	SHL	eP	09	40	45		
		e		45	28		
	NDI	eP	09	42	15		
		e		48	34		
	POO	eP	09	42	42		
22	EPC: 9.6°S, 26.4°W - H = 10h 33m 14.7s (USCGS) Depth = 33 Km. Mag. = 5.2 (CGS)						
	NDI	i	10	52	04		
22	SHL	eP	13	00	21		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
22	EPC: 9.9°S, 120.5°E Sumba Island Region - H = 14h 43m 11.1s (USCGS) Depth = 18 Km. Mag. = 5.1 (CGS)						
	SHL	iP	14	51	25.5	DSE	
	POO	eP	14	52	35		
	NDI	eP	14	52	53	D	
		PCP		53	51		
22	EPC: 22.7°S, 170.9°E Loyalty Island Region - H = 15h 19m 26.8s (USCGS) Depth = 42 Km. Mag. = 5.2 (CGS)						
	PBA	eP	15	31	56		86.0
		iS		42	24		
	SHL	iP	15	32	26	CNW	
	VIS	eP	15	32	46		
	BOK	iP	15	32	46	C	
		SKS		43	18		
		i		44	08		
		e		45	28		
	CHA	eP	15	32	47		
		e		43	13		
	MDR	eP	15	32	54		97.7
		SKS		43	33		
		eS/SCS		44	11		
		SS		50	50		
	BOM	eP	15	33	26		
		eSKS		44	06		
		ePPS		48	01		
	NDI	eP	15	33	26		104.3
		e		37	40		
		SKS		44	06		
		S		45	10		
		e		47	02		
	CAL	SKS	15	43	12		
22	SHL	eP	15	46	48		
22	SHL	ePg	18	40	32		1.0
		eSg		40	55		
22	CHA	eP	19	12	16		
		e		12	57		
22	SHL	ePg	19	12	40		1.2
		eSg		12	57		
22	SHL	eP	20	26	23		
22	CHA	iP	20	26	33.5	C	2.5
		S		27	05		
22	EPC: 6.0°S, 130.3°E Banda Sea - H = 22h 04m 00.0s (USCGS) Depth = 107 Km. Mag. = 5.5 (CGS)						
	SHL	iP	22	12	35		
	VIS	iP	22	13	01	DE	
	CHA	iP	22	13	09	C	
	MDR	eP	22	13	09		
	KOD	iP	22	13	22.5	CNW	
	POO	eP	22	14	01		
	NDI	iP	22	14	06.8	CNW	61.2
		eS		22	17		
	DDI	eP	22	14	08	C	
22	BOK	e	23	32	05		
	CHA	iP	23	32	25	D	4.4
		S		33	17		
23	NDI	i	04	55	48		
23	NDI	i	05	19	16		
		i		19	22		
23	KOD	eP	06	13	03	DSW	
23	BOK	e	07	49	18		
23	EPC: 14.5°N, 52.1°E Eastern Gulf of Aden - H = 08h 35m 49.5s (USCGS) Depth = 3Km Mag. = 5.8 (CGS)						
	BOM	iP	08	40	29.0	DSW	20.3
		iS		44	21		
		SCS		51	55		
	POO	eP	08	40	40		21.3
		eS		44	38		
	KOD	iP	08	41	19.0	DNW	25.4
		iS		45	44		
	TRD	iP	08	41	19.3	W	
	SEH	i	08	41	23		28.6
		e		46	11		
	NDI	eP	08	41	37	DSW	27.2
		i		41	40		
		i		42	15		
		PP		42	24		

DATE	STN	PHASE	H.	M.	S.		△ Deg.
	NDI	iS	08	46	18		
contd.		SS		47	32		
	MDR	eP	08	41	37		27.3
		iS		46	17		
		SS		47	35		
		PCS=SCP		48	39		
	DDI	iP	08	41	51		28.6
		PPP		42	55		
		eS		46	37		
	VIS	iP	08	42	04		30.1
		iPP		43	05		
		iPPP		43	22		
		iS		47	10		
	BOK	iP	08	42	30		DW
		i		48	04		
		SS		50	00		
	CHA	iP	08	42	41	CNW	35.2
		e		44	17		
		e		44	35		
		S		48	14		
	CAL	eP	08	42	49	NE	36.4
		iS		48	31		
	SHL	eP	08	43	13		38.7
		iPP		44	42		
		iP		45	22		
	PBA	iP	08	43	32	D	39.8
		e		44	57		
		e		49	11		
		iS		49	37		
23	BOK	e	11	45	39		
23	CHA	iP	12	07	17	D	
	NDI	eP	12	08	27	D	
	POO	eP	12	08	45		
23	SHL	iP	13	15	26		
23	EPC: 80.2°N, 1.0°W - H = 13h 42m 01.6s (USCGS) Depth = 10 Km. Mag. = 5.8 (CGS)						
	DDI	eP	13	51	57.3		
23	NDI	eP	13	52	08	SC	60.2
		PP		54	22		
		iS	14	00	21		
		PS		00	32		
		e		04	16		
	CHA	iP	13	52	33	C	64.0
		eS		01	09		
	SHL	iP	13	52	45	C	

DATE	STN	PHASE	H.	M.	S.		△ Deg.
23	BOK	iP	13	52	50	CS	66.7
Contd.		PP		55	18		
		PPP		56	56		
		iS	14	01	41		
	BOM	eP	14	53	06		69.2
		PCP		53	30		
		PPP		57	19		
		iS	14	02	12		
	CAL	i	13	53	09		
	POO	eP	13	53	09		69.8
		eS	14	02	18		
	VIS	iP	13	53	23	CSE	71.8
		eS	14	02	43		
23	MDR	eP	13	53	45		
		e	14	03	33		
	KOD	iP	13	54	02	CNE	79.1
		eS	14	04	02		
23	SHL	eP	14	36	21		1.6
		eS		36	43		
23	SHL	ePg	15	33	57		1.3
		eSg		34	16		
23	SHL	eP	16	37	12		1.3
		eS		37	30		
23	SHL	ePg	17	05	35		1.3
		eSg		05	54		
23	NDI	e	18	01	07		
23	SHL	ePg	18	21	23		1.3
		eSg		21	42		
23	SHL	ePg	19	20	40		1.3
		eSg		20	59		
23	SHL	ePg	21	08	31		1.3
		eSg		08	49		
23	SHL	iPg	22	00	08	CN	1.3
		eSg		00	26		
23	EPC: 10.0°S, 75.6°W(PERU) - H = 22h 42m 54.9s (USCGS) Depth = 122 Km. Mag. = 4.2 (CGS)						
	NDI	iPKP	23	02	44.0		
24	NDI	e	00	56	07		
24	BOM	ePg	09	31	24		0.2
		eSg		31	26		
24	BOK	e	10	13	43		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
24	EPC: 11.6°N, 125.7°E SAMAR Philippine Islands - H = 11h 14m 17.8s (USCGS) Depth = 17 Km. Mag. = 4.6 (CGS)						
	SHL	eP	11	21	00		
	POO	eP	11	23	07		
24	KOD	eP	12	25	03.5		
24	KOD	e	12	27	48.5		
24	SHL	eP	17	28	05	1.6	
		eS		28	27		
24	EPC: 52.8°N, 166.9°W Fox Islands,Aleutian Islands. - H = 18h 32m 32.8s (USCGS) Depth = 33 Km. Mag. = 4.2 (CGS)						
	SHL	iP	18	44	19	D	
24	EPC: 5.9°N, 126.5°E MINDANAO PHILIPPINE,Islands - H = 18h 46m 53.4s (USCGS) Depth = 111 Km. Mag. = 5.1 (CGS)						
	SHL	iP	18	54	05.5	DE	38.4
		eP		59	51		
	KOD	iP	18	55	31.0	DSE	
	DDI	iP	18	55	49.4		
	NDI	iP	18	55	50.0	DE	
		e	19	00	51		
24	DDI	eP	22	07	36		
		e		09	35		
	NDI	eP	22	07	58		10.5
		eS		09	57		
24	SHL	eP	22	09	25		
25	CHA	eP	00	15	26		
25	BOK	e	02	49	13		
25	BOM	e	05	30	41		
	POO	eP	05	30	58		
25	KOD	eP	06	35	16.3	CNW	
25	BOK	e	07	43	50		
25	BOK	e	07	52	24		
25	NDI	eP	08	02	23		09.5
		eS		04	12		
DDI	DDI	eP	08	02	42		
	POO	eP	08	02	43		
	BOM	e	08	04	48		
	BOK	e	10	21	10		
25	SHL	eP	12	17	06		1.3
25	SHL	ePg	13	00	49		1.3
		eSg		01	07		
25	SHL	iP	13	11	45	D	
25	EPC: 14.6°N, 52.1°E Eastern Golf of ADEN - H = 16h 01m 46.1s (USCGS) Depth = 39 Km. Mag. = 4.8 (CGS)						
	BOM	eP	16	06	21		
	POO	iP	16	06	31.5		
	NDI	iP	16	07	29.0	NWD	
	SHL	iP	16	09	08.7	DNE	
	NDI	ePg	17	15	51.2	D	0.56
		iSg		15	58.5		
25	SHL	eP	20	14	59		
25	KOD	ePg	20	45	54.5	DSW	1.3
		iSg		46	11.0		
25	KOD	eP	21	26	05	DSW	
25	EPC: 55.3°S, 29.1°W - H = 21h 51m 57.6s (USCGS) Depth = 33 Km. Mag. = 5.4 (CGS)						
	NDI	ePKP	22	10	51		
25	EPC: 24.3°N, 123.5°E South Western Ryukyu - H = 22h 41m 45.0s (USCGS) Depth = 33 Km. Mag. = 4.5 (CGS)						
	SHL	eP	22	46	41		
	NDI	eP	22	48	29	D	
25	SHL	iP	23	59	23	DSE	
26	EPC: 28.6°N, 130.0°E RYUKYU Islands. - H = 00h 08m 09.8s (USCGS) Depth = 33 Km. Mag. =. 5.7 (CGS)						
	TOC	e	00	13	33		
		e		13	35		

DATE	STN	PHASE	H.	M.	S.	△ Deg.
26 contd.	CAL	eP	00	15	30	
	BOK	iP	00	15	39	CW 39.6
		i		17	25	
		PPP		17	35	
		eS		21	43	
	NDI	iP	00	16	31.2	CW 46.0
		eS		23	14	
	MDR	eP	00	16	55	
		ePP		18	51	
		e		23	26	
		e		26	50	
	POO	iP	00	17	18.0	D
		ePS		24	48	
	KOD	iP	00	17	22.1	DNE
	BOM	iP	00	17	23	CW
		e		21	43	
26	EPC: 28.6°N, 130.1°E RYUKYU Islands - H = 00h 17m 46.6s (USCGS) Depth = 33 Km. Mag. = 4.6 (CGS)					
	SHL	iP	00	24	29	DNE
	PBA	e	00	24	41	
	NDI	eP	00	26	08	
26	EPC: 28.4°N, 130.9°E Ryukyu Islands - H = 00h 31m 45.6s (USCGS) Depth = 33 Km. Mag. = 4.3 (CGS)					
	NDI	eP	00	40	05	
26	EPC: 8.1°S, 112.9°E. JAVA - H = 02h 53m 57.5s (USCGS) Depth = 80 Km. Mag. = 5.7 (CGS)					
	PBA	iP	02	59	45	
26	MDR	iP	03	01	18	DE
		e		02	57	
		SCP		06	59	
		SCS		11	13	
	VIS	iP	03	01	20	DE
		e		02	55	
	SHL	iP	03	01	22.5	DSE
	CAL	eP	03	01	23	
	KOD	iP	03	01	26	DSE

DATE	STN	PHASE	H.	M.	S.	△ Deg.
26 contd.	BOK	iP	03	01	40	CNW 41.8
		PCP		03	34	
		i		07	41	
		S		07	49	
		SCS		11	28	
	CHA	iP	03	01	52	
		SCS		11	36	
	POO	iP	03	02	21.6	C
	BOM	iP	03	02	30	WC 47.3
		iS		09	14	
		e		11	38	
	NDI	iP	03	02	46.4	CNW
		i		09	43	
26	NDI	e	04	18	42	
26	EPC: 7.5°S, 128.6°E COLORADO - H = 05h 09m 01.4s (USCGS) Depth = 110 Km.					
	SHL	iP	05	17	36.0	CN
	NDI	iP	05	19	06	
26	SHL	iP	05	59	32	C
26	NDI	e	06	39	51	C
26	NDI	i	06	41	37	
26	SHL	iP	06	44	32	CNE
	NDI	iP	06	45	51.5	D
** please see at the bottom						
	SHL	e	08	23	22	
	NDI	iP	08	23	41.7	CW
26	SHL	eP	10	48	39	
26	EPC: 1.9°S, 127.8°E Halmahera - H = 10h 53m 21.9s (USCGS) Dephth 8 Km. Mag. = 5.5 (CGS)					
	SHL	eP	11	01	35	CS 43.6
		eS		08	05	
	VIS	eP	11	02	03	48.2
		eS		08	05	
	BOK	iP	11	02	06	CW
		i		09	04	
	CHA	eP	11	02	09	48.5
		S		09	10	
	MDR	eP	11	02	19	49.0
		PP		04	15	
		eS		09	23	
		PS		09	38	
		SCS		12	06	

** .

26 Epc: 56.6°N, 152.2°W. Kodiak Island Region. -H=08h 11m 06.3s (USCGS) Depth = 28 km. Mag.= 4.9 (CGS).

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
26	KOD	iP	11	02	31.9	DSW	
contd.							
	POO	eP	11	03	08		56.3
		eS		10	58		
	BOM	eP	11	03	17		57.2
		eS		11	12		
26	CAL	iPS	11	08	30		
26	EPC: 22.9°S, 171.4°E Loyalty Islands Region. - H = 11h 55m 53.3s (USCGS) Depth = 58 Km. Mag. = 4.7 (CGS)						
	SHL	eP	12	08	52		90.8
26	SHL	iPg	15	43	39	DSW	1.3
		eSg		43	58		
27	PBA	iPg	00	10	50.4	D	0.8
		iSg		11	00.4		
27	SHL	eP	02	44	27		
27	EPC: 60.3°N, 140.8°W South Eastern Alaska - H = 04h 27m 02.4s (USCGS) Depth = 16 Km. Mag.= 4.6 (CGS)						
	SHL	eP	04	39	34		
27	EPC: 30.8°S, 71.0°W Near Coast of Central Chile, - H = 05h 13m 12.6s (USCGS) Depth = 62 Km. Mag. = 5.4 (CGS)						
	KOD	iPKP	05	32	43.0	D	
	BOM	iPKP	05	32	45	D	
		e		33	05		
	POO	ePKP	05	32	46.5		
	MDR	ePKP	05	32	54		
	DDI	iPKP	05	32	59.5	D	
		i		33	20.5		
	BOK	ePKP	05	33	03		
	SHL	iPKP	05	33	11	D	
27	KOD	iP	05	58	20.5		
27	SHL	iP	05	58	27		
27	SHL	eP	06	45	30		
27	BOK	eP	08	12	17		
27	BOK	e	08	42	25		
27	BOM	e	09	21	03		
27	SHL	eP	10	55	12	CE	
		i		58	17		
	POO	e	11	00	01		
27	NDI	e	11	00	03		
27	EPC: 22.8°S, 170.8°E Loyalty Islands Region - H = 11h 08m 08.4s (USCGS) Depth = 33 Km. Mag. = 4.6 (CGS)						
	SHL	eP	11	21	07		
27	BOK	e	12	19	59		
27	EPC: 14.1°N, 52.0°E Eastern Gulf of ADEN - H = 13h 04m 16.0s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	BOM	eP	13	09	03		
	POO	eP	13	09	05		
	NDI	eP	13	10	08		
	CHA	iP	13	11	11	C	
	SHL	eP	13	11	43		
27	EPC: 31.5°S, 68.5°W SAN JUAN Province Argentina - H = 19h 17m 28.2s (USCGS) Depth = 113 Km. Mag. = 4.4 (CGS)						
	NDI	iPKP	19	37	07		
27	EPC: 12.6°S, 66.4°E MID-India RISE - H = 20h 17m 47.0s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	NDI	eP	20	25	44		
	CHA	eP	20	25	59		
	SHL	eP	20	26	08		
	DDI	eP	20	59	33		6.1
		e		59	53		
		e		59	57		
		eS	21	00	44		
	NDI	eP	20	59	52	CS	07.4
		i	21	00	22		
		i		00	39		
		iS		01	17		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
27	CHA	eP	21	01	01	12.5	
		S		03	32		
27	POO	eP	21	02	10		
27	EPC: 12.7°S, 66.4°E MID-INDIAN RISE - H = 21h 03m 20.4s (USCGS) Depth = 33 Km. Mag. = 4.8 (CGS)						
	SHL	iP	21	11	39.1	DNE	
27	SHL	eP	21	21	47	4.8	
		eS		22	05		
27	EPC: 28.5°N, 129.6°E RYUKYU Islands - H = 21h 46m 02.9s (USCGS) Depth = 17 Km. Mag. = 5.0 (CGS)						
	SHL	iP	21	52	45	CW	
	CHA	iP	21	53	19	D	
	NDI	iP	21	54	24.3	DE	
	POO	eP	21	55	12		
	KOD	iP	21	55	15.7	DE	
28	EPC: 6.1°S, 71.4°E CHAGOS ARCHIPELAGO Region - H = 02h 21m 55.8s (USCGS) Depth = 33 Km. Mag. = 5.1 (CGS)						
	KOD	eP	02	25	58.5	DSW	
	BOM	e	02	27	18		
28	EPC: 32.1°N, 130.8°E - H = 02h 36m 54.1s (USCGS) Depth = 125 Km. Mag. = 5.6 (CGS)						
	SHL	iP	02	43	32	CSW	
		e		51	30		
	CHA	eP	02	44	04	D	
	BOK	iP	02	44	21		
	NDI	iP	02	44	29		
		pP		44	58		
		PCP		46	20		
	DDI	e	02	44	58		
		e		45	28		
		e		46	50.3		
	VIS	iP	02	45	00	D	
	MDR	eP	02	45	38		
		pP		46	08		
		PCP		46	56		
		e		52	41		
28 contd.	POO	eP	02	45	57		
		e		54	09		
	BOM	iP	02	46	03	CSW	53.8
		eS		53	24		
	KOD	iP	02	46	05.5	DNE	
28	EPC: 30.5°N, 137.5°E - H = 04h 13m 05.8s (USCGS) Depth = 495 Km. Mag. = 4.5 (CGS)						
28	SHL	iP	04	20	01	DE	
28	NDI	iP	04	21	27.5	D	
	POO	iP	04	22	14.5	D	
28	KOD	iP	04	22	19.4	D	
28	BOK	e	08	22	47		
28	POO	ePg	08	49	44		
28	POO	eP	10	20	58		
28	SHL	iP	11	28	50	DS	
28	BOK	e	12	02	49		
28	SHL	eP	17	29	11	1.0	
		eS		29	24		
28	EPC: 37.9°N, 115.7°E N.E. China - H = 18h 21m 50.8s (USCGS) Depth = 33 Km. Mag. = 4.6 (CGS)						
	SHL	iP	18	26	54.0	DSW	
	CHA	eP	18	27	25		
29	NDI	i	03	12	30		
29	NDI	i	03	44	19		
29	EPC: 6.0°N, 127.2°E - H = 03h 48m 14.5s (USCGS) Depth = 82 Km.						
	SHL	iP	03	55	36	DE	
	NDI	eP	03	57	19		
29	EPC: 4.9°S, 153.2°E NEW IRELAND REGION - H = 04h 07m 37.3s (USCGS) Depth = 62 Km. Mag. = 4.8 (CGS)						
	SHL	iP	04	18	25	CNE	
	KOD	iP	04	19	27.3	D	
	POO	eP	04	19	51		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
29	DDI	eP	04	22	19	7.6	
		iS		23	46		
		i		25	07		
	NDI	iP	04	22	29	CSE 08.2	
		PP		22	37.0		
		S		24	03		
		SS		24	15		
	BHK	e	04	23	05		
29	EPC: 36.4°N, 70.8°E Hindu Kush Region Depth = 228 Km. Mag. = 4.8 (CGS) H = 05h 19m 00.7s (USCGS)						
28	DDI	eP	05	21	01		
		e		21	26		
		e		21	56		
	NDI	iP	05	21	11.3	CSE 8.8	
		eS		22	49		
29	BHK	e	05	21	53		
	SHL	iP	05	23	29.0	DNW	
29	POO	eP	05	26	21		
29	NDI	i	05	36	11		
29	NDI	i	05	39	45		
		i		39	53		
29	NDI	i	05	41	17		
29	NDI	e	05	49	13		
29	KOD	ePn	06	02	30	CNE 2.7	
		iSn		03	04		
29	SHL	eP	06	51	35	2.9	
		eS		52	11		
29	EPC: 48.5°N, 151.0°E - H = 07h 21m 56.8s (USCGS) Depth = 289 Km. Mag. = 4.3 (UGS)						
	NDI	eP	07	31	24		
	BOK	e	07	32	59		
29	NDI	i	07	59	18		
29	BOK	e	08	18	25		
29	NDI	eP	09	08	49		
29	PBA	ePg	10	12	05.0	0.6	
		iSg		12	13.0		
29	NDI	e	11	01	08		
	BOM	ePg	14	53	52	0.1	
		eSg		53	54		
29	CHA	iPg	16	55	49	C	

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
29	SHL	eP	16	56	09		
29	SHL	eP	17	47	39	N	
29	PBA	ePg	21	38	40.5	0.5	
		eSg		38	46.5		
30	NDI	eP	03	15	43		
30	NDI	eP	03	22	51		
30	EPC: .3°S, 125.1°E MOLUCCA SEA - H = 03h 23m 36.4s (USCGS) Depth = 81 Km. Mag. = 5.0 (CGS)						
	SHL	eP	03	31	32		
30	NDI	e	04	31	43		
30	NDI	i	05	58	26		
30	NDI	i	05	58	48		
30	NDI	i	06	29	31		
30	BOM	ePg	06	58	15	0.2	
		eSg		58	17		
30	EPC: 41.5°N, 20.5°S, ALBANIA - H = 07h 23m 51.5s (USCGS) Depth= 29Km. Mag. = 6.0(CGS)						
	NDI	iP	07	32	23.2	DNW 47.4	
		PP		34	18		
		iS		39	16		
		e		41	00		
		SS		42	41		
		i		43	10		
	DDI	eP	07	32	25		
		ePCP		33	55		
	BOM	eP	07	32	40	50.1	
		PP		34	37		
		eS		39	50		
		PS		39	58		
		PPS		40	07		
	POO	eP	07	32	47	51.5	
		ePP		34	47		
		eS		40	05		
	GOA	eP	07	33	04	53.6	
		eS		40	33		
	CHA	iP	07	33	27	C	
		PS		41	33		
	BOK	iP	07	33	32	DNW 56.8	
		eS		41	17		
	VIS	eP	07	33	44		
		ePPP		37	18		
		e		41	51		
	KOD	iP	07	33	45.0		
		ePP		36	00		
		PPP		37	24		
		e		41	34		

DATE	STN	PHASE	H.	M.	S.	△ Deg.
30 contd.	MDR	eP	07	33	48	
		PCP		34	41	
		PP		36	01	
		PPP		37	24	
		e		41	54	
	TRD	eP	07	33	52	W
		PP		36	10	
		e		42	20	
		e		46	24	
	CAL	iP	07	33	53	SE 60.2
		PPP		37	29	
		iS		42	02	
	SHL	eP	07	33	54	60.5
		ePPP		37	38	
		eS		42	05	
		eSSS		48	30	
	PBA	eP	07	34	55	70.5
		eS		44	04	
30	BOK	e	08	07	48	
		e		08	28	
30	BOK	e	11	43	25	

30 EPC: 42.9°N, 77.4°E
Alma-AIA Region
- H 11h 44m 39.0s (USCGS)
Depth = 27 Km.
Mag. = 5.1 (CGS)

** Please see after page 19

18	POO	ePg	12	38	41	1.1
		eSg		38	56	
		eSn		38	58.5	
	NDI	e	12	45	25	

18 Epc: 4.8°S, 133.8°E. New Guinea
-H = 14h 50m 58.7s (USCGS)
Depth 33 km. Mag. 4.9 (CGS)

	SHL	iP	14	59	56	DE
	DDI	eP	15	01	29	
	NDI	eP	15	01	33	

DATE	STN	PHASE	H.	M.	S.	△ Deg.
30 contd.	DDI	iP	11	47	40.4	C
	NDI	eP	11	48	00	
	SHL	iP	11	49	22	C
	POO	eP	11	49	59	
30	SHL	eP	14	46	31	
30	SHL	ePg	16	36	03	1.0
		eSg		36	16	
30	NDI	iP	16	52	25.1	CSE 09.5
		iS		54	04	
30	NDI	i	18	22	17	
		i		22	49	

30 EPC: 8.1°S, 80.2°W
Off Coast of Northern Paru
- H = 18h 05m 19.2s (USCGS)
Depth = 45 Km.
Mag. = 5.1 (CGS)

	NDI	iPKP	18	25	03	C
	POO	ePKP	18	25	06	
	SHL	ePKP	18	25	16	

LIST OF FELT EARTHQUAKE REPORTS RECEIVED FROM VOLUNTARY OBSERVERS FOR THE MONTH OF NOV. 1967

S.No.	Station	Date in GMT	Time in GMT hrs	mt	No. of shocks	Duration secs.	Intensity RF Scale
1.	SHILLONG	10-11-67	06	05	One	15	V
2.	- do -	14-11-67	00	07	One	10	IV
3.	- do -	19-11-67	20	45	One	7	III

NOVEMBER, 1967 MICROSEISM TABULATION

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOKARO				
01	00	3	0.1	4.4
	06	3	0.2	5.0
	12	3	0.2	4.8
	18	3	0.2	4.9
02	00	3	0.2	4.8
	06	3	0.2	4.7
	12	3	0.3	4.7
	18	3	0.3	4.6
03	00	3	0.2	5.0
	06	3	0.2	4.6
	12	3	0.2	5.2
	18	3	0.2	4.6
04	00	3	0.2	4.6
	06	3	0.2	3.8
	12	3	0.2	4.3
	18	3	0.2	4.6
05	00	3	0.2	4.6
	06	3	0.1	4.3
	12	3	0.1	4.4
	18	3	0.1	4.4
06	00	3	0.1	4.2
	06	3	0.1	4.7
	12	3	0.2	4.6
	18	3	0.3	4.9
07	00	3	0.3	4.8
	06	3	0.3	4.7
	12	3	0.3	5.0
	18	3	0.2	4.8
08	00	3	0.2	4.6
	06	3	0.1	4.3
	12	3	0.1	4.8
	18	...	-	-
09	00	3	0.1	4.6
	06	3	0.1	4.2
	12	3	0.1	4.2
	18	3	0.2	4.8
10	00	3	0.1	4.4
	06	3	0.2	4.7
	12	3	0.2	4.7
	18	3	0.2	4.6
11	00	3	0.3	4.7
	06	3	0.3	5.0
	12	3	0.3	5.3
	18	...	-	-

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOKARO				
12	00	3	0.3	4.9
	06	3	0.3	5.2
	12	3	0.3	5.4
	18	3	0.3	5.1
13	00	3	0.3	5.3
	06	3	0.3	5.1
	12	3	0.3	5.3
	18	3	0.3	4.9
14	00	3	0.3	5.0
	06	...	-	-
	12	3	0.3	5.4
	18	3	0.3	5.1
15	00	3	0.3	5.1
	06	3	0.3	5.1
	12	3	0.3	5.3
	18	3	0.3	5.6
16	00	3	0.3	5.2
	06	...	-	-
	12	...	-	-
	18	...	-	-
17	00	...	-	-
	06	3	0.3	5.2
	12	3	0.3	5.0
	18	3	0.3	5.2
18	00	3	0.3	5.0
	06	3	0.3	5.2
	12	3	0.3	5.1
	18	3	0.3	5.0
19	00	3	0.2	4.5
	06	3	0.3	4.9
	12	3	0.3	5.4
	18	...	-	-
20	00	3	0.2	4.7
	06	3	0.2	4.3
	12	3	0.2	5.0
	18	3	0.2	4.8
21	00	3	0.1	4.1
	06	3	0.1	4.1
	12	3	0.2	4.8
	18	3	0.3	5.1
22	00	3	0.1	4.4
	06	3	0.2	4.6
	12	3	0.2	4.7
	18	3	0.2	5.1

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOKARO				
23	00	3	0.2	4.7
	06	3	0.1	4.1
	12	3	0.2	5.0
	18	3	0.1	4.1
24	00	3	0.1	4.2
	06	3	0.1	3.9
	12	3	0.1	4.5
	18	3	0.1	4.2
25	00	3	0.1	4.5
	06	3	0.1	4.1
	12	3	0.1	4.5
	18	3	0.1	3.7
26	00	3	0.1	4.3
	06	3	0.2	4.8
	12	3	0.2	4.9
	18	3	0.1	4.8
27	00	3	0.1	4.2
	06	3	0.1	3.6
	12	3	0.1	4.3
	18	3	0.1	4.5
28	00	3	0.1	3.6
	06	3	0.1	4.0
	12	3	0.1	4.4
	18	3	0.1	4.1
29	00	3	0.2	5.1
	06	3	0.2	4.4
	12	3	0.2	4.8
	18	3	0.2	4.6
30	00	3	0.2	4.8
	06	3	0.2	4.8
	12	...	-	-
	18	3	0.2	5.2
Station : BOMBAY				
01	00	3	0.3	6.0
			0.3	3.0
	06	3	0.3	5.0
			0.3	3.6
	12	3	0.3	4.2
			0.3	3.1
	18	3	0.3	4.2
			0.3	2.7
02	00	3	0.3	4.7
			0.3	3.1
	06	3	0.3	5.1
			0.3	2.7
	12	3	0.3	5.0
			0.3	2.5
	18	3	0.3	5.0
			0.3	2.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOMBAY				
03	00	3	0.3	4.9
			0.3	3.0
	06	3	0.3	3.0
			0.2	1.8
	12	3	0.3	2.6
	18	3	0.3	2.8
04	00	3	0.3	5.1
			0.3	2.8
	06	3	0.3	5.0
			0.3	2.5
	12	3	0.3	2.3
	18	3	0.3	2.9
			0.2	1.5
05	00	3	0.3	3.0
	06	3	0.3	4.8
			0.3	2.6
	12	3	0.3	4.9
			0.3	2.9
	18	3	0.3	5.2
			0.3	3.0
06	00	3	0.3	4.9
			0.3	3.0
	06	3	0.3	5.0
			0.3	2.9
	12	3	0.3	5.1
			0.3	2.9
	18	3	0.3	3.3
			0.2	1.7
07	00	3	0.3	4.5
			0.3	3.0
	06	3	0.3	5.0
			0.3	2.9
	12	3	0.3	4.8
			0.3	2.9
	18	3	0.3	5.0
			0.2	1.6
08	00	3	0.3	5.2
			0.3	4.0
	06	3	0.3	3.1
	12	3	0.3	5.3
			0.3	3.0
	18	Surface waves.		
09	00	3	0.3	3.0
	06	3	0.3	6.2
			0.3	4.0
			0.2	2.0
	12	3	0.3	6.1
			0.3	2.6
	18	3	0.3	6.9
			0.3	3.0
			0.2	1.8

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
10	00	3	0.3	5.1
			0.3	3.0
	06	3	0.3	6.0
			0.3	3.1
	12	3	0.3	5.7
			0.3	3.1
	18	3	0.3	5.8
			0.3	3.1
11	00	3	0.3	6.0
			0.3	3.0
	06	3	0.3	4.1
			0.2	1.9
	12	3	0.3	4.0
			0.2	2.1
	18	Surface Waves		
12	00	3	0.4	5.5
			0.3	2.5
	06	3	0.3	5.8
			0.3	3.0
	12	3	0.3	3.0
	18	3	0.5	6.0
			0.2	2.0
13	00	3	0.4	5.0
			0.3	3.2
	06	3	0.3	4.7
			0.3	3.0
	12	3	0.5	5.0
	18	3	0.4	5.1
			0.3	3.2
			0.2	1.6
14	00	3	0.4	5.3
			0.3	3.3
	06	Shock in progress		
	12	3	0.3	5.8
			0.3	3.8
	18	3	0.3	4.9
			0.3	3.5
15	00	3	0.4	5.1
			0.3	3.8
	06	3	0.3	5.4
			0.3	4.1
	12	3	0.4	5.6
			0.3	4.0
	18	3	0.5	4.9
			0.2	2.3
16	00	3	0.4	4.9
			0.3	3.0
	06	3	0.5	5.4
			0.4	4.1
	12	3	0.5	5.1
			0.3	4.0
			0.2	2.0
16 contd.	18	3	0.5	5.2
			0.3	3.8
			0.2	2.0
17	00	3	0.4	5.3
			0.3	4.1
			0.3	3.2
	06	Surface Waves		
	12	3	0.4	6.7
			0.3	4.0
			0.3	3.0
	18	3	0.3	6.2
			0.3	4.3
18	00	3	0.3	6.0
			0.3	3.0
	06	3	0.3	4.1
			0.2	1.8
	12	3	0.3	4.0
			0.2	2.1
	18	3	0.3	3.9
			0.2	2.0
19	00	3	0.3	3.8
			0.3	3.0
	06	3	0.3	5.0
			0.2	1.9
	12	3	0.3	4.0
			0.3	2.1
	18	Shock in Progress		
20	00	3	0.3	3.8
			0.3	2.0
	06	3	0.3	3.9
			0.2	2.0
	12	3	0.3	4.0
	18	3	0.3	4.0
			0.2	2.2
21	00	3	0.3	3.9
			0.2	2.1
	06	3	0.3	3.9
			0.3	2.6
	12	3	0.3	3.8
			0.3	2.8
	18	3	0.3	3.8
			0.2	1.6
22	00	3	0.3	3.8
			0.3	3.0
	06	3	0.3	3.9
			0.3	2.8
	12	3	0.3	3.7
			0.2	2.2
	18	3	0.3	3.0
			0.3	4.0
23	00	3	0.3	6.0
			0.3	3.9
			0.2	2.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOMBAY				
23	06	3	0.3	4.1
contd.			0.3	3.1
	12	3	0.3	4.0
			0.3	3.1
	18	3	0.3	3.7
			0.2	1.8
24	00	3	0.3	3.5
			0.2	1.8
	06	3	0.3	3.8
			0.2	1.9
	12	3	0.3	3.0
			0.3	2.0
	18	3	0.3	3.8
			0.3	2.0
25	00	3	0.3	3.0
			0.2	2.0
	06	3	0.3	5.0
			0.3	2.0
	12	3	0.3	4.9
			0.3	2.1
	18	3	0.3	3.8
			0.2	2.0
26	00	3	0.3	4.0
			0.3	3.1
	06	3	0.3	3.8
			0.2	2.0
	12	3	0.3	4.1
			0.2	1.8
	18	3	0.3	4.0
			0.2	2.0
27	00	3	0.3	4.2
			0.3	3.1
	06	3	0.3	4.0
			0.3	2.9
	12	3	0.3	4.0
			0.3	3.0
	18	3	0.3	3.9
			0.3	2.9
28	00	3	0.3	4.0
			0.3	3.0
	12	3	0.3	4.0
			0.3	2.9
	18	3	0.3	4.1
			0.3	2.8
	18	3	0.3	4.0
			0.3	3.0
29	00	3	0.3	4.0
			0.3	3.0
	06	3	0.3	3.7
			0.2	2.0
29	12	3	0.3	3.8
contd.			0.2	2.0
	18	3	0.3	3.9
			0.3	2.1
30	00	3	0.3	3.9
			0.3	3.1
	06	3	0.3	4.0
			0.3	3.0
	12	3	0.3	4.3
			0.3	3.0
	18	3	0.3	3.0
Station : CALCUTTA				
01	00	3	6.0	0.5
	06	3	3.8	0.4
	12	3	3.8	0.5
	18	3	4.0	0.5
02	00	3	4.0	0.4
	06	3	4.0	0.5
	12	3	4.0	0.5
	18	3	4.0	0.4
03	00	3	4.0	0.5
	06	3	4.0	0.4
	12	3	4.8	0.5
	18	3	4.6	0.5
04	00	3	4.0	0.5
	06	3	4.0	0.4
	12	3	4.2	0.3
	18	3	4.0	0.3
05	00	3	4.0	0.4
	06	3	4.8	0.5
	12	3	4.8	0.4
	18	3	4.8	0.4
06	00	3	4.8	0.5
	06	3	4.6	0.4
	12	3	4.6	0.4
	18	3	4.6	0.4
07	00	3	4.6	0.3
	06	3	4.2	0.4
	12	3	4.2	0.4
	18	3	4.2	0.4
08	00	3	4.2	0.4
	06	3	4.0	0.4
	12	3	4.0	0.4
	18	3	4.0	0.4
09	00	3	4.0	0.4
	06	3	6.0	0.2
	12	3	6.0	0.2
	18	3	6.0	0.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : CALCUTTA				
10	00	3	6.0	0.2
	06	3	6.0	0.3
	12	3	6.0	0.3
	18	3	6.0	0.3
11	00	3	6.0	0.3
	06	3	5.0	0.4
	12	3	5.0	0.4
	18	3	5.8	0.5
12	00	3	5.8	0.5
	06	3	5.8	0.5
	12	3	5.8	0.5
	18	3	5.8	0.5
13	00	3	5.8	0.4
	06	3	5.6	0.5
	12	3	5.6	0.5
	18	3	5.6	0.5
14	00	3	5.6	0.5
	06	3	6.0	0.5
	12	3	6.0	0.5
	18	3	6.0	0.5
15	00	3	6.0	0.5
	06	3	5.8	0.4
	12	3	5.8	0.4
	18	3	5.8	0.4
16	00	3	5.8	0.4
	06	3	5.8	0.4
	12	3	5.8	0.4
	18	3	5.8	0.4
17	00	3	5.8	0.4
	06	3	5.8	0.5
	12	3	5.8	0.5
	18	3	5.8	0.5
18	00	3	5.8	0.5
	06	3	5.8	0.5
	12	3	5.8	0.5
	18	3	5.8	0.5
19	00	3	5.8	0.5
	06	3	5.8	0.5
	12	3	5.8	0.5
	18	...		
20	00	3	5.8	0.5
	06	-	-	-
	12	3	5.8	0.5
	18	3	5.8	0.5
21	00	3	5.8	0.5
	06	3	5.6	0.4
	12	3	5.6	0.4
	18	3	5.6	0.5
22	00	3	5.6	0.5
	06	3	5.8	0.4
	12	3	5.8	0.4
	18	3	5.8	0.4
23	00	3	5.8	0.4
	06	3	5.8	0.4
	12	3	5.8	0.3
	18	3	5.8	0.3
24	00	3	5.8	0.3
	06	3	5.0	0.3
	12	3	5.0	0.3
	18	3	5.0	0.3
25	00	3	5.0	0.3
	06	3	5.0	0.3
	12	3	5.0	0.3
	18	3	5.0	0.3
26	00	3	5.0	0.3
	06	3	5.0	0.4
	12	3	5.0	0.4
	18	3	5.0	0.4
27	00	3	5.0	0.4
	06	3	5.0	0.4
	12	3	5.0	0.4
	18	3	5.0	0.4
28	00	3	5.0	0.4
	06	3	5.0	0.5
	12	3	5.6	0.5
	18	3	5.6	0.5
29	00	3	5.6	0.5
	06	3	5.6	0.5
	12	3	5.6	0.5
	18	3	5.6	0.5
30	00	3	5.6	0.5
	06	3	5.6	0.4
	12	3	5.6	0.4
	18	3	5.6	0.4
Station GOA				
01	00	...	-	-
	06	3	0.3	2.4
	12	...	-	-
	18	3	0.1	2.0
02	00	3	0.2	2.6
	06	...	-	-
	12	...	-	-
	18	...	-	-
03	00	...	-	-
	06	...	-	-

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station :		GOA		
04	00	3	0.3	2.4
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
05	00	0,0	-	-
	06	...	-	-
	12	3	0.3	2.4
	18	3	0.2	2.6
06	00	3	0.3	2.6
	06	...	-	-
	12	...	-	-
	18	3	0.3	2.8
07	00	3	0.3	3.4
	06	3	0.4	3.2
	12	3	0.5	2.6
	18	3	0.7	3.8
08	00	3	0.7	4.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
09	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
10	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
11	00	...	-	-
	06	...	-	-
	12	3	0.3	2.2
	18	...	-	-
12	00	3	0.4	2.2
	06	3	0.3	2.4
	12	3	0.3	3.0
	18	3	0.5	3.0
13	00	3	0.4	2.6
	06	...	-	-
	12	...	-	-
	18	...	-	-
14	00	...	-	-
	06	3	0.4	3.2
	12	...	-	-
	18	3	0.4	3.4
15	00	3	0.5	3.6
	06	3	0.3	2.6
	12	3	0.4	4.0
	18	3	0.3	3.2
16	00	3	0.3	3.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
17	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
18	00	...	-	-
	06	3	0.5	3.8
	12	3	0.3	3.0
	18	3	0.3	3.0
19	00	3	0.4	3.2
	06	...	-	-
	12	...	-	-
	18	...	-	-
20	00	...	-	-
	06	3	0.4	3.0
	12	...	-	-
	18	...	-	-
21	00	...	-	-
	06	3	0.3	2.4
	12		-	-
	18		-	-
22	00	...	-	-
	06	...	-	-
	12	3	0.4	2.8
	18	3	0.4	2.6
23	00	3	0.4	2.8
	06	3	0.6	3.0
	12	3	0.4	2.6
	18	3	0.4	3.0
24	00	3	0.4	2.8
	06	...	-	-
	12	3	0.3	2.8
	18	3	0.4	3.0
25	00	3	0.3	3.2
	06	3	0.2	2.8
	12	3	0.3	3.0
	18	3	0.3	2.8
26	00	3	0.3	3.0
	06	3	0.3	3.0
	12	3	0.3	2.8
	18	3	0.3	2.8
27	00	3	0.3	3.0
	06	3	0.4	3.2
	12	3	0.5	3.2
	18	3	0.5	3.4

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : GOA				
28	00	3	0.4	3.2
	06	3	0.3	3.2
	12	3	0.3	3.2
	18	3	0.4	3.0
29	00	3	0.4	3.0
	06	3	0.3	3.4
	12	3	0.3	3.2
	18	...	-	-
30	00	...	-	-
	06	3	0.2	2.8
	12	3	0.3	2.8
	18	3	0.3	3.2
Station : MADRAS				
01	00	2	0.4	3.0
	03	2	0.4	3.1
	06	2	0.4	3.0
	12	2	0.5	3.0
	18	1	0.5	3.0
02	00	1	0.5	3.0
	03	1	0.6	2.8
	06	1	0.6	2.8
	12	1	0.6	2.8
	18	2	0.4	2.8
03	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	2.9
	18	2	0.3	3.0
04	00	2	0.4	3.0
	03	2	0.4	3.0
	06	2	0.4	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
05	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
06	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.2	3.0
07	00	2	0.3	3.0
	03	...	No Record	
	06	2	0.2	3.0
	12	2	0.2	3.1
	18	2	0.2	3.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Statinn: MADRAS				
08	00	2	0.2	3.0
	03	2	0.2	2.7
	06	...	No Record	
	12	2	0.2	2.4
	18	2	0.2	2.3
09	00	2	0.2	2.6
	03	2	0.2	2.8
	06	2	0.3	2.9
	12	2	0.3	3.0
	18	2	0.3	3.0
10	00	2	0.3	2.8
	03	2	0.3	2.9
	06	2	0.3	2.7
	12	2	0.3	2.9
	18	2	0.3	2.9
11	00	2	0.3	2.9
	03	2	0.3	2.9
	06	2	0.3	3.0
	12	...	Earthquake	
	18	...	Earthquake	
12	00	2	0.2	2.9
	03	2	0.3	2.9
	06	2	0.3	2.9
	12	2	0.2	2.9
	18	2	0.4	5.9
			0.2	2.9
13	00	2	0.3	5.7
	0	2	0.2	3.0
	03	2	0.3	5.5
	06	...	No Record	
	12	2	0.3	5.5
	18	2	0.3	5.4
14	00	2	0.3	5.2
	03	2	0.3	5.2
	06	...	No Record	
	12	2	0.3	5.6
		3	0.1	1.7
	18	2	0.3	4.8
15	00	2	0.3	5.3
	03	...	No Record	
	06	2	0.3	6.0
	12	2	0.3	5.8
	18	2	0.3	5.6
		3	0.1	2.1
16	00	3	0.2	2.2
	03	2	0.2	2.8
	06	2	0.2	2.8
	12	2	0.2	2.9
	18	2	0.2	3.0

DATE	HOUR	K	MEAN Amplitude inmmm.	MEAN Period in sec.
Station : MADRAS				
17	00	2	0.2	3.0
	03	2	0.2	3.0
	06	2	0.2	3.0
	12	2	0.2	3.0
	18	2	0.2	3.0
18	00	2	0.2	3.0
	03	2	0.2	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.3
19	00	2	0.3	3.3
	03	2	0.3	3.3
	06	2	0.3	3.3
	12	2	0.3	3.3
	18	...	Earthquake	
20	00	2	0.3	3.3
	03	2	0.3	3.2
	06	2	0.3	3.1
	12	...	No Record	
	18	...	No Record	
21	00	...	No Record	
	03	...	No Record	
	06	2	0.4	3.0
	12	2	0.4	3.0
	18	2	0.4	3.0
22	00	2	0.4	3.0
	03	2	0.4	3.0
	06	2	0.3	3.0
	12	2	0.3	2.9
	18	2	0.3	2.9
23	00	2	0.3	2.9
	03	2	0.3	2.9
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
24	00	2	0.3	3.0
	03	2	0.3	2.9
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
25	00	2	0.3	3.0
	03	2	0.3	2.8
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
26	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : MADRAS				
26	12	2	0.3	3.0
contd.	18	2	0.3	3.0
27	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.4	3.0
	12	2	0.5	3.0
	18	2	0.5	3.0
28	00	2	0.6	3.2
	03	2	0.6	3.2
	06	2	0.6	3.2
	12	2	0.6	3.2
	18	2	0.6	3.0
29	00	2	0.6	3.0
	03	2	0.6	3.2
	06	2	0.6	3.1
	12	2	0.5	3.1
	18	2	0.5	3.0
30	00	2	0.5	3.0
	03	2	0.5	3.0
	06	2	0.5	3.0
	12	2	0.5	3.0
	18	2	0.4	3.0
Station : PORT BLAIR				
01	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.4	7.0
	18	3	0.8	7.0
02	00	3	0.4	2.0
			0.4	7.0
	06	3	0.4	2.0
			0.8	7.0
	12	3	0.4	2.0
			0.8	7.0
	18	3	0.4	2.0
			0.8	7.0
03	00	3	0.4	2.0
			0.8	7.0
	06	3	0.4	2.0
			0.4	7.0
	12	3	0.4	2.0
			0.4	7.0
	18	3	0.4	2.0
			0.4	7.0
04	00	3	0.4	2.0
			0.4	7.0
	06	3	0.4	2.0
			0.4	7.0
	12	3	0.4	2.0
			0.4	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
04	18	3	0.4	2.0
contd.			0.4	7.0
05	00	3	0.4	2.0
			0.4	7.0
	06	3	0.4	2.0
			0.4	7.0
	12	3	0.4	2.0
			0.4	7.0
	18	3	0.4	2.0
			0.4	7.0
06	00	3	0.4	3.0
			0.4	7.0
	06	3	0.4	3.0
			0.4	7.0
	12	3	0.4	3.0
			0.4	6.0
	18	3	0.4	3.0
07	00	3	0.4	3.0
	06	3	0.4	3.0
	12	3	0.4	5.0
	18	3	0.4	7.0
08	00	3	0.4	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	1.2	7.0
09	00	3	1.2	7.0
	06	...	-	-
	12	3	1.2	7.0
	18	3	0.8	2.0
			1.2	7.0
10	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			0.8	7.0
	18	3	0.8	2.0
			0.8	7.0
11	00	3	0.8	2.0
			0.8	7.0
	06	3	0.4	2.0
			0.4	7.0
	12	3	0.4	2.0
			0.4	7.0
	18	...	-	-
12	00	3	0.4	2.0
			0.4	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	1.2	7.0
13	00	3	1.2	7.0
	06	3	1.2	7.0
	12	3	1.2	7.0
	18	3	1.2	7.0
14	00	3	1.2	7.0
	06	3	1.2	7.0
	12	3	1.2	7.0
	18	3	1.2	7.0
15	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			1.2	7.0
	18	3	0.8	2.0
			1.2	7.0
16	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			1.2	7.0
	18	3	0.8	2.0
			1.2	7.0
17	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			1.2	7.0
	18	3	0.8	2.0
			1.2	7.0
18	00	3	0.8	2.0
			1.2	7.0
	06	3	0.8	2.0
			1.2	7.0
	12	3	0.8	2.0
			0.8	7.0
	18	3	0.8	3.0
			0.8	7.0
19	00	3	0.8	3.0
			0.8	7.0
	06	3	2.0	3.0
	12	3	1.2	3.0
	18	...	-	-
20	00	3	1.2	3.0
	06	3	1.6	2.0
	12	3	1.6	2.0
	18	3	1.6	2.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : PORT BLAIR				
21	00	3	2:0	2.0
	06	3	1.6	2.0
	12	3	1.6	3.0
	18	3	1.6	3.0
22	00	3	1.6	2.0
			0.4	7.0
	06	3	1.6	3.0
			0.8	7.0
	12	3	1.6	3.0
			0.8	7.0
	18	3	1.6	3.0
			1.2	7.0
23	00	3	1.6	3.0
			0.8	7.0
	06	3	0.8	3.0
	12	3	0.8	7.0
			0.8	3.0
	18	3	1.6	3.0
			0.8	7.0
24	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	1.2	7.0
25	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	3.0
			0.8	7.0
	18	3	0.8	3.0
			1.0	7.0
26	00	3	0.8	7.0
	06	3	0.4	6.0
			0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
			1.0	7.0
27	00	3	0.8	7.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	6.0
			0.8	7.0
28	00	3	0.8	7.0
	06	3	0.8	7.0
			1.2	7.0
	12	3	0.8	7.0
			1.0	7.0
	18	3	0.8	7.0
29	00	3	0.8	7.0
			1.0	7.0
29 contd.	06	3	0.8	7.0
			1.2	7.0
	12	3	0.8	7.0
			1.2	7.0
	18	3	0.8	7.0
30	00	3	0.8	7.0
	06	3	0.8	7.0
			1.2	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
Station : SHILLONG				
01	00			
	06	3	0.5	4.5
	12	3	0.5	4.5
	18	3	0.4	4.5
02	00	3	0.5	4.4
	06	3	0.4	4.6
	12	3	0.5	4.5
	18	3	0.5	4.6
03	00	2	0.5	4.4
	06	3	0.4	4.5
	12	3	0.5	4.4
	18	3	0.5	4.5
04	00	3	0.4	4.3
	06	3	0.5	4.6
	12	3	0.5	4.6
	18	...	...	...
05	00	3	0.4	4.5
	06	3	0.4	4.5
	12	3	0.4	4.5
	18	3	0.4	4.5
06	00	3	0.5	4.3
	06	3	0.7	5.0
	12	3	0.8	5.5
	18	3	0.8	5.5
07	00	3	0.6	5.0
	06	3	0.6	5.3
	12	3	0.5	4.5
	18	-	0.4	5.0
08	00	3	0.4	4.0
	06	3	0.4	3.0
	12	3	0.4	3.0
	18	...	...	...
09	00	3	0.4	3.2
	06	3	0.4	3.5
	12	3	0.4	4.0
	18	3	0.4	4.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : SHILLONG				
10	00	3	0.4	3.8
	06	...	...	...
	12	3	0.3	4.0
	18	3	0.3	3.8
11	00	3	0.4	4.2
	06	3	0.3	5.0
	12	3	0.4	5.0
	18	...	...	...
12	00	3	0.3	4.5
	06	3	0.5	4.7
	12	3	0.5	4.5
	18	...	...	...
13	00	3	0.5	5.0
	06	3	0.6	5.5
	12	3	0.6	5.5
	18	3	0.7	5.0
14	00	3	0.5	5.0
	06	...	...	...
	12	3	0.4	4.5
	18	3	0.5	5.0
15	00	3	0.7	5.7
	06	3	0.4	5.0
	12	3	0.4	4.7
	18	3	0.7	5.7
16	00	...	...	...
	06	3	0.7	5.5
	12	3	0.5	5.0
	18	3	0.6	5.5
17	00	3	0.5	5.0
	06	3	0.3	4.0
	12	3	0.5	5.5
	18	3	0.5	5.0
18	00	...	...	...
	06	...	...	...
	12	3	0.4	5.0
	18	3	0.3	3.5
19	00	3	0.4	5.0
	06	3	0.2	4.5
	12	3	0.2	4.5
	18	...	...	...
20	00	...	...	...
	06	...	...	...
	12	0.0	0.0	0.0
	18	0.0	0.0	0.0
21	00	0.0	0.0	0.0
	06	3	0.4	5.0
	12	3	0.4	5.2
	18	3	0.4	5.2
22	00	3	0.4	5.2
	06	0.0	0.0	0.0
	12	0.0	0.0	0.0
	18	3	0.4	5.0
23	00	3	0.3	4.5
	06	...	...	...
	12	3	0.3	5.0
	18	0.0	0.0	0.0
24	00	0.0	0.0	0.0
	06	...	...	...
	12	3	0.3	5.0
	18	3	0.3	5.0
25	00	0.0	0.0	0.0
	06	...	...	...
	12	3	0.3	5.0
	18	3	0.3	5.0
26	00	3	0.4	5.2
	06	3	0.3	4.8
	12	3	0.3	5.2
	18	3	0.3	4.6
27	00	...	...	...
	06	...	...	...
	12	3	0.3	4.2
	18	3	0.3	4.0
28	00	0.0	0.0	0.0
	06	0.0	0.0	0.0
	12	3	0.3	4.5
	18	3	0.4	5.2
29	00	3	0.3	4.7
	06	0.0	0.0	0.0
	12	3	0.2	4.0
	18	3	0.3	4.5
30	00	3	0.3	4.5
	06	3	0.3	4.0
	12	3	6.3	4.5
	18	3	0.3	5.2
Station : TRIVANDRUM				
01	00	2	0.30	3.5
	06	2	0.32	3.3
	12	2	0.25	3.6
	18	2	0.32	3.4
02	00	2	0.32	3.2
	06	2	0.30	3.2
	12	2	0.30	3.3
	18	2	0.25	3.1
03	00	2	0.25	3.2
	06	No Observation		

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
03 contd.	12	No Observation		
	18	1	0,0	
04	00		0,0	
	06	No Observation		
	12	No Observation		
	18		0,0	
05	00	2	0.25	2.6
	06	2	0.25	2.9
	12	2	0.25	2.9
	18		0,0	
06	00	2	0.25	3.0
	06	2	0.25	3.0
	12	2	0,25	2.9
	18	2	0.25	3.0
07	00	2	0.25	3.0
	06	2	0.25	3.1
	12		0,0	
	18	2	0,0	
08	00		0,0	
	06		0,0	
	12		0,0	
	18	2	0.25	3.0
09	00	2	0.25	3.0
	06	2	0.25	3.0
	12	2	0.30	2.7
	18	2	0.30	2.9
10	00	2	0.30	2.8
	06	2	0.40	2.9
	12	2	0.44	3.2
	18	2	0.42	2.9
11	00	2	0.40	3.1
	06	2	0.44	3.1
	12	...	...	...
	18	...	...	...
12	00	2	0.40	2.7
	06	2	0.66	2.9
	12	2	0.48	3.0
	18	2	0.30	3.1
13	00	2	0.30	3.3
	06	2	0.30	3.6
	12	2	0.30	3.6
	18	2	0.30	3.3
14	00	2	0.30	3.0
	06		0,0	
	12	2	0.25	3.2
	18	2	0.25	3.3
15	00	2	0.25	3.2
	06	2	0.25	3.2
	12	2	0.25	3.5
	18	2	0.30	4.3
16	00	2	0.30	3.5
	06	2	0.30	3.6
	12	2	0.42	3.8
	18	2	0.46	3.7
17	00	2	0.36	3.6
	06	2	0.30	3.5
	12	2	0.30	3.7
	18	2	0.30	3.4
18	00	2	0.36	3.6
	06	2	0.34	3.7
	12	2	0.30	3.3
	18	2	0.30	3.4
19	00	2	0.44	3.2
	06	2	0.44	3.4
	12	2	0.46	3.6
	18		...	...
20	00	2	0.40	3.5
	06	2	0.48	3.6
	12	2	0.57	3.7
	18	2	0.50	3.6
21	00	2	0.44	3.4
	06	2	0.52	3.6
	12	2	0.50	3.8
	18	2	0.44	3.9
22	00	2	0.36	3.4
	06	2	0.36	3.2
	12	2	0.40	3.2
	18	2	0.38	3.3
23	00	2	0.38	3.4
	06	2	0.34	3.0
	12	2	0.30	3.0
	18	2	0.34	3.3
24	00	2	0.40	2.8
	06	2	0.34	3.2
	12	2	0.32	3.2
	18	2	0.33	3.2
25	00	2	0.30	3.0
	06	2	0.25	3.0
	12	2	0.32	2.9
	18	2	0.36	3.1
26	00	2	0.30	3.0
	06	2	0.35	3.0
	12	2	0.32	3.1
	18	2	0.36	3.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : TRIVANDRUM				
27	00	2	0.30	3.0
	06	2	0.42	3.2
	12	2	0.40	3.4
	18	2	0.43	3.2
28	00	2	0.57	2.4
	06	...	...	...
	12	2	0.35	3.2
	18	2	0.44	3.1
29	00	2	0.38	3.4
	06	2	0.52	3.1
	12	2	0.51	3.2
	18	2	0.40	3.0
30	00	2	0.48	3.0
	06	2	0.48	3.0
	12	2	0.50	3.4
	18	2	0.36	3.3
Station : VISAKHAPATNAM				
01	00	1	0.3	2.5
	06	3	0.3	2.5
	12	3	0.3	2.4
	18	3	0.3	2.5
02	00	3	0.3	2.5
	06	3	0.3	2.3
	12	3	0.3	2.3
	18	3	0.3	2.4
03	00	2	0.5	4.5
	06	3	0.5	4.5
	12	3	0.4	4.3
	18	3	0.2	2.3
04	00	3	0.3	2.3
	06	3	0.3	2.4
	12	3	0.3	2.4
	18	3	0.3	2.4
05	00	3	0.3	2.4
	06	2	0.2	2.3
	12	2	0.2	2.4
	18	2	0.2	2.4
06	00	2	0.2	2.4
	06	2	0.4	3.9
	12	2	0.4	3.9
	18	2	0.4	3.8
07	00	2	0.4	3.8
	06	2	0.4	4.2
	12	2	0.5	4.1
	18	2	0.3	4.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : VISAKHAPATNAM				
08	00	2	0.4	3.5
	06	2	0.5	3.9
	12	2	0.5	3.9
	18	2	0.4	3.8
09	00	00	-	-
	06	2	0.4	3.8
	12	2	0.3	3.5
	18	2	0.2	2.0
10	00	2	0.2	2.0
	06	2	0.4	4.0
	12	2	0.4	4.4
	18	2	0.2	2.5
11	00	2	0.2	2.5
	06	2	0.5	4.1
	12	...	-	-
	18	...	-	-
12	00	00	-	-
	06	2	0.5	4.4
	12	2	0.4	4.2
	18	2	0.4	4.2
13	00	00	-	-
	06	2	0.4	4.1
	12	2	0.5	4.4
	18	2	0.4	4.5
14	00	00	-	-
	06	2	0.4	3.9
	12	2	0.5	4.1
	18	2	0.4	4.0
15	00	2	0.4	3.8
	06	2	0.5	4.7
	12	2	0.5	4.4
	18	2	0.4	4.0
16	00	2	0.4	4.1
	06	2	0.5	4.4
	12	2	0.5	4.7
	18	2	0.5	4.5
17	00	2	0.5	4.3
	06	2	0.5	4.7
	12	2	0.5	4.3
	18	2	0.5	4.6
18	00	2	0.4	4.0
	06	2	0.5	4.8
	12	2	0.4	4.1
	18	2	0.5	4.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : VISAKHAPATNAM				
19	00	00	-	-
	06	2	0.4	4.1
	12	2	0.3	3.6
	18	...	-	-
20	00	00	-	-
	06	3	0.3	2.9
	12	3	0.2	2.5
	18	3	0.3	2.4
21	00	3	0.2	2.2
	06	3	0.2	2.7
	12	3	0.2	2.3
	18	3	0.2	2.4
22	00	3	0.2	2.3
	06	3	0.2	2.4
	12	3	0.2	2.4
	18	3	0.2	2.4
23	00	3	0.2	2.3
	06	3	0.2	2.5
	12	3	0.2	2.4
	18	3	0.2	2.4
24	00	3	0.2	2.2
	06	3	0.2	2.2
	12	3	0.2	2.4
	18	3	0.2	2.4
25	00	3	0.2	2.4
	06	3	0.3	2.4
	12	3	0.2	2.4
	18	3	0.2	2.2
26	00	3	0.2	2.2
	06	3	0.3	2.4
	12	3	0.2	2.2
	18	3	0.2	2.2
27	00	3	0.3	2.4
	06	3	0.3	2.5
	12	3	0.3	2.7
	18	3	0.3	2.6
28	00	3	0.4	2.8
	06	1	0.3	3.0
	12	1	0.3	2.6
	18	1	0.3	2.8
29	00	1	0.4	2.6
	06	1	0.3	2.5
	12	1	0.3	2.4
	18	1	0.2	2.4
30	00	1	0.3	2.5
	06	1	0.2	2.3
	12	1	0.2	2.4
	18	1	0.3	2.6

----ooOoo----

+V+

RPND/240-250/VermaMarch'69

SEISMOLOGICAL BULLETIN

DEC 1967

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
DR. L.S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES.

List of Seismograph stations with their Instruments and Constant as on 1.1.196

Station and abbreviation	Latitude °N	Longitude °E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs. To	Period in secs. Tg	V.max	Damping Constant h_1	Damping Constant h_2	Paper speed mm/min
Bhakra	31.25	76.25			Electromag-	Z	1	1	5600	1	1	20
BHK					netic (H)	N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	1	15
BOK						N	15	100	-	-	1	15
						E	15	94	-	-	1	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8		940	1		30
						E	0.6		950	1		30
Bombay	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7		8
BOM						E	12		250	0.7		8
					Sprengnether	E	7.3	7.3	5000		1	30
					Benioff	Z	1.0	0.2	-	1	1	30
							1.0	87.0			1	60
Calcutta	22 32	88.20	7 Milne Shaw	Alluvium	Milne Shaw	E	12		250	0.7		8
CAL			6 Omori-Ewing		Omori-Ewing	E	19		30	-		25.4
						N	15		32	-		25.4
					Sprengnether	N	7.0	7.0	1000		1	30
Chatra	26.50	87.10	161	Sand stone	Benioff	Z	0.72	0.45	-	-	1	60
CHA					Wood-Anderson	N	0.8		1000	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	1		16
						E	12		250	1		16
				Wenner Accelerograph		ZNE	0.1		50	0.6		600
Delhi	28.41	77.12	207	Massive	Sprengnether	E	7.6	7.6	5000		1	30
NDI				Quartzite	Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
					Benioff(SP)	Z	1.0	0.75	50K	for	1	60
						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.75	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	sec.	1	30
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lomison	Z	1.3	1.3	-	1	1	60
DDI					Wood-Anderson	N	0.8		970	1		30
						E	0.8		1000	1		30
					Milne-Shaw	N	12		250	0.7		8
Goa	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-		1	30
GOA						E	7.4	7.4	5000		1	30
						N	7.5	7.5	5000		1	30
Hyderabad	17 26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7		8
HYD						N	12		250	0.7		8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(SP)	Z	1.0	0.75	50K	for	1	60
KOD						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.75	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	secs.	1	30
					Milne-Shaw	E	12		250	0.7		8
Madras	13.00	80.11	15		Sprengnether	E	7.4	7.4			1	30
MDR						Z	1.5	1.5			1	60
Poona	18.32	73.51	560	Deccan Trap	Benioff (SP)	Z	1.0	0.75	50K	for	1	60
POO						N	1.0	0.75	50K	TE=1	1	60
						E	1.0	0.75	50K	sec.	1	60
					Sprengnether	Z	15	100	1500	for	1	30
					(LP)	N	15	100	1500	TE=15	1	30
						E	15	100	1500	secs.	1	30
Port Blair	11.40	92.43			Milne-Shaw	E	12		250	0.7		8
PBA					Wood-Anderson	N	2.0		890	0.7		30
						E	0.8		840	0.8		30
					Benioff	Z	1.2	1.5			1	30
Sehore	23.10	77.05			Wood-Anderson	N	0.8		860	1		30
SEH						E	0.8		950	1		30
Shillong	25.34	91.53	1600	Quartzite	Benioff(SP)	Z	1	0.75	200K	for	1	60
SHL				Sandstone		N	1	0.75	200K	TE=1	1	60
				(Shillong		E	1	0.75	200K	sec	1	60
				Quartzite)	Press-Ewing	Z	15	100	3000	for	1	15
					(LP)	N	15	100	3000	TE=15	1	15
						E	15	100	3000	secs	1	15
					Sprengnether	E	6.7	6.7	2600		1	30
					Milne-Shaw	N	12		250	0.7		8
				Wenner Accelerograph		Z,N,E	0.1		Nearly 50	0.6		600
Tezpur	26.45	94.46		Alluvium	Wood-Anderson	E	0.8		1000	1		60
TEZ												
Trivandrum	8 29	76.57	Decomposed Laterite		Sprengnether	E	7.1	7.1	2500		1	30
TRV												
Visakhapatnam	17.43	83.18			Sprengnether	E	7.0	7.0	5000		1	30
VIS					Wood-Anderson	E	0.8		1000	1		30
						N	0.8		1000	1		30
				Electromagnetic (S.P.)		Z	1.65	1.65	6000	1	1	60
					Milne-Shaw	N	12.0	-	250	0.7		12

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
01	CHA	iPg	02	05	19.8		0.8
		Sg		05	28.8		
01	DDI	eP	04	55	33.6		2.6
		i		55	35.2		
		i		55	53.6		
		iSg		56	13.6		
		i		56	19.8		
01	NDI	iPn	04	55	42.7	DNE	3.15
		iSn		56	21.3		
	BOK	eP	04	56	38		11.0
		iS		58	43		
		i		58	51		
		SS=LR		58	57		
	SEH	i	04	57	57	W	3.3
		i		58	38		
	KOD	eP	04	59	19.5	CSE	
	BOM	e	05	01	28		
01	DDI	eP	05	35	28.5		3.0
		iSn		36	06.0		
	NDI	iPn	05	35	35.9	CW	3.2
		iSn		36	14.8		
	BOK	e	05	36	24		
01	NDI	e	06	40	54		
01	NDI	i	07	08	35		
01	NDI	eP	07	23	39		
01	DDI	eP	07	27	41.4		
01	NDI	i	07	53	50		
01	NDI	i	07	54	22		
01	NDI	e	08	02	32		
01	BOM	ePn	08	42	53		1.7
		iSn		43	16		
01	BOK	e	08	49	55		
01	NDI	i	09	34	51		
		i		34	58		
01	BOM	iPn	09	50	10	D	1.7
		iSn		50	33		
01	KOD	eP	09	51	35.5	CNE	8.1
		iS		53	19.5		
0	MDR	e	09	53	28		
		e		53	35		
		e		53	50		

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
01 contd.	NDI	eP	09	55	47		9.7
		iS		57	38		
		i		58	14		
	BOK	e	09	56	09		
01	SHL		10	52	30	DE	
01	EPC: 49.5°N, 154.4°E - H = 13h 57m 25.2s Depth = 136 Km. Mag. = 5.9 (CGS)						
	SHL	iP	14	06	09	DSW	52.8
		iS		13	26		
	CHA	iP	14	06	26	C	54.3
		S		13	52		
		SCS		16	00		
	CAL	iP	14	06	43	DNW	57.8
		iS		14	30		
	BOK	iP	14	06	47	CSW	58.2
		iS		14	37		
	DDI	iP	14	06	51	C	58.3
		iS		14	40		
	NDI	iP	14	07	00.5	CSW	60.0
		i		07	30		
		PP		09	18		
		i		11	20		
		eS		15	01		
	PBA	iP	14	07	15	DN	63.1
		iS		15	34		
	VIZ	iP	14	07	27	DSE	64.0
		iS		15	51		
	SEH	eP	14	07	33	E	
		e		17	11		
	MDR	iP	14	08	01	CE	70.0
		eS		16	59		
	BOM	iP	14	08	04	CSW	69.8
		iS		17	01		
	GOA	eP	14	08	14		75.0
		iS		17	23		
	TRD	iP	14	08	34		
		i		17	58		
	KOD	iP	14	08	25	CSW	
01	SHL	eP	14	25	42		
01	SHL	iP	16	43	25	D	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
01	BOM	eP	16	44	24			
01	SHL	eP	17	36	34			
01	EPC: 10.5°S, 161.6°E - H = 17h 50m 30.7s Depth = 74 Kms. Mag. = 4.9 (CGS)							
	SHL	eP	17	36	34			
01	BOM	iPn	18	49	27	D	1.5	
		S*		49	47			
		iSn		49	48			
01	SHL	eP	20	49	27			
01	SHL	ePg	21	15	11		1.4	
		eSg		15	30			
01	SHL	eP	21	49	41			
02	NDI	iPn	02	54	04.3	C	5.8	
		i		54	29			
		eSn		55	12			
02	NDI	eP	05	44	19		13.1	
		eS		46	47			
02	BOK	e	08	12	59			
02	BOK	e	08	53	27			
02	NDI	ePn	10	09	35		5.7	
		eSn		10	42			
02	BOK	e	10	13	17			
02	EPC: 41.3°N 20.3°E - H = 12h 44m 42.7s Depth = 17 Km. Mag. = 5.4 (CGS)							
	NDI	eP	12	53	18			
		i		53	21			
	SHL	eP	12	54	59			
02	SHL	iP	15	41	41	DNE		
02	DDI	iP	16	02	04		7.6	
		eS		03	32			
	NDI	eP	16	02	18		8.5	
		eS		03	55			
	SHL	iP	16	04	35	DW		
02	SHL	iP	17	38	43	DSE	2.7	
		eS		39	17			
02	SHL	eP	18	13	00			
02	NDI	iPn	20	06	29.6	CS	1.45	
		iSn		06	50.3			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
02	BOM	e	20	08	52			
02	EPc: 37.4°N, 115.2°E - H = 20h 05m 53.4s Depth = 13 Km. Mag. = 5.2 (CGS)							
	SHL	iP	20	11	00	DNE	23.6	
		eS		15	12			
	CHA	iP	20	11	27	C	28.7	
		S		16	16			
	CAL	eP	20	11	49			
	BOK	e	20	11	52			
	NDI	iP	20	12	27	DS	33.9	
		eS		17	51			
	MDR	eP	20	13	28		41.3	
		eS		19	43			
	KOD	iP	20	13	59.5	DNW		
	HYD	e	20	27	26			
02	CHA	ePg	21	56	39.1		1.7	
		i		56	44.6			
		iSg		57	01.5			
03	CHA	iPg	00	11	55	C	1.5	
		Sg		12	15			
	SHL	eP	00	12	24	C		
03	NDI	eP	06	24	05			
03	DDI	iP	07	26	06.3	D		
		e		26	53.8			
	NDI	ePn	07	26	30		3.4	
		Sn		27	12			
03	BHK	e	07	26	51			
03	CHA	iP	07	27	01	C	5.7	
		i		27	22			
		iS		28	08			
	BOK	e	07	27	21			
	SHL	iP	07	27	54	C		
03	NDI	eP	09	53	58			
		i		54	40			
03	SHL	eP	12	49	45			
03	MDR	eP	14	31	41			
03	SHL	iP	16	41	28	CE		
03	SHL	iPg	17	18	05	D	0.6	
		eSg		18	13			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
03	NDI	eP	19	22	37			
03	SHL	iPg	19	30	22	CE	1.2	
		eSg		30	38			
03	NDI	eP	19	44	45			
		e		46	10			
	SHL	eP	20	49	17			
03	EPC: 42.5°N, 13.2°E - H = 21h 30m 00.3s Depth = 33 Kms. Mag. = 4.6 (CGS)							
	NDI	eP	21	38	36			
		i		38	44			
	CHA	eP	21	39	03	D		
	SHL	eP	21	39	57			
04	NDI	eP	00	38	05			
		i		38	25			
	NDI	ePg	03	24	52		0.15	
		iSg		24	54.4			
04	NDI	eP	06	11	21			
04	NDI	eP	06	18	07			
04	DDI	eP	07	34	41.3			
		i		35	14.3			
04	DDI	iP	07	50	19.8	D		
04	BOK	e	08	41	54			
04	BOK	e	09	43	03			
04	DDI	eP	15	37	30.2		8.0	
		iS		39	02.4			
04	EPC: 36.1°N, 71.2°E - H = 15h 35m 34.2s Depth = 143 Kms. Mag. = 4.9 (CGS)							
	NDI	iP	15	37	39	CSE	8.5	
		i		37	42			
		iS		39	17			
	CHA	iP	15	39	15	C	15.0	
		S		42	03			
	BOK	e	15	39	29			
	SHL	iP	15	40	04			
	KOD	iP	15	41	29	CSW		
04	EPC: 27.5°N, 128.9°E - H = 20h 17m05.7s Depth = 33 Kms. Mag. = 4.8 (CGS)							

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
04 Contd.	SHL	eP	20	23	39			
04	EPC: 2.8°N, 65.1°E - H = 21h 41m 50.9s Depth = 33 Kms. Mag. = 4.9 (CGS)							
	BOM	eP	21	45	54		21.2	
		e		45	58			
		eS		49	46			
	BOK	e	21	49	17			
	TRD	e	21	49	29			
		e		49	54			
	MDR	e	21	49	42			
	CHA	iPg	22	24	28.5	C	0.7	
		Sg		24	37.5			
04	EPC: 51.6°N, 173.5°W - H = 22h 18m 41.0s Depth = 50 Kms. Mag. = 4.7 (CGS)							
	SHL	iP	22	30	07	CSW		
	CHA	iP	22	30	19	C		
	NDI	iP	22	30	40	CNW		
05	KOD	iP	04	07	43.2	DSE		
05	NDI	i	04	26	57			
05	PBA	ePg	04	32	43		1.3	
		iSg		33	00			
05	NDI	e	04	53	37			
05	NDI	e	05	00	06			
05	NDI	i	05	41	40.2			
05	NDI	i	06	20	01			
05	NDI	iP	06	21	40.5	D		
05	Epc: 1.7°N, 127.1°E - H = 06h 54m 48.8s Depth = 72 Kms. Mag. = 5.3 (CGS)							
	SHL	iP	07	02	26	D		
05	DDI	eP	07	25	35			
	NDI	ePn	07	25	50		2.6	
		eSn		26	22			
05	SHL	iP	07	34	48	D		
05	EPC: 51.6°N, 173.4°W - H = 09h 05m 13.1s Depth = 36 Kms. Mag. = 5.3 (CGS)							

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
05	SHL	iP	09	16	41	CSW	
contd.							
	DDI	iP	09	17	02	C	
	NDI	iP	09	17	13.5	CSE	
		i		17	27		
	BOM	iP	09	18	06		
05	DDI	eP	11	32	01		
	NDI	iP	11	32	18	CE	
05	SHL	eP	15	01	02		2.2
		eS		01	30		
05	DDI	eP	17	32	13		
	CHA	iP	17	31	54.6	C	
		i		32	56.6		
		i		33	15.5		
	NDI	eP	17	32	26		
		i		33	47		
		i		33	50		
	SHL	eP	17	32	37		
05	CHA	iP	18	04	55.5	C	
		i		05	56.5		
	NDI	eP	18	05	31		6.6
		eS		06	48		
	SHL	eP	18	05	38		
05	NDI	e	19	14	31		
06	NDI	e	01	39	12		
06	SHL	iP	03	09	11	DN	
	KOD	iP	03	10	21.5	CNW	
06	DDI	iP	03	10	52.5		
06	EPC 4.2S, 103.0°E						
	- H = 04h 41m 08.6s						
	Depth = 81 Kms.						
	Mag. = 5.4 (CGS)						
	SHL	iP	04	47	23	CN	
	DDI	iP	04	48	52.	C	
	SHL	eP	05	08	12		
06	NDI	e	05	21	12		
06	KOD	iP	05	29	07.2	CNE	
06	DDI	eP	07	15	03		
06	EPC: 27.3°N, 140.2°E						
	- H = 08h 02m 1.5s						
	Depth = 462 Kms.						
	Mag. = 4.6 (CGS)						
	NDI	e	08	11	04		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
06	EPC: 14.9°S, 167.3°E						
	- H = 09h 40m 06.4s						
	Depth = 124 Kms.						
	Mag. = 5.3 (CGS)						
	SHL	iP	09	53	23	CNE	
06	NDI	e	13	36	20		
		i		36	22		
		i		36	23		
06	SHL	iP	14	09	23	CNE	
06	NDI	e	14	15	12		
		e		15	36		
06	EPC: 40.9°N, 143.0°E						
	- H = 14h 56m 37.1s						
	Depth = 31 Kms.						
	Mag. = 4.6 (CGS)						
	SHL	iP	15	04	50	DE	
	CHA	e	15	05	14		
	NDI	eP	15	06	01	D	
06	EPC: 1.2°S, 67.5°E						
	- H = 22h 21m 56.8s						
	Depth = 33 Kms.						
	Mag. = 5.5 (CGS)						
	BOM	iP	22	26	41	CNE	21.1
		eS		30	32		
		LQ		30	39		
	NDI	eP	22	28	15	D	
	CHA	iP	22	28	35	C	
	SHL	iP	22	28	53	CNE	
	MDR	e	22	29	54		
06	NDI	eP	23	47	09		
07	NDI	e	00	53	47		
		e		53	50		
07	NDI	eP	04	45	09		
07	NDI	eP	06	14	09		8.7
		eS		15	48		
	DDI	eP	06	15	05		
07	EPC: 57.9°N, 166.7°W						
	- H = 07h 24m 28.5s						
	Depth = 31 Kms.						
	Mag. = 4.7 (CGS)						
	SHL	iP	07	36	16	C	
	CHA	iP	07	36	26	C	
	NDI	iP	07	36	46.6	C	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
07	EPC: 14.6°S, 167.3°E						
	- H = 09h 49m 37.0s						
	Depth =151 Kms.						
	Mag. =.5.3 (CGS)						
	SHL	iP	10	01	50	CSW	
	NDI	e	10	02	52		
07	PBA	iPg	10	09	15.7	D	1.2
		iSg		09	31.7		
07	NDI	eP	12	03	19		
		e		03	25		
07	DDI	eP	12	55	40.7		
	BHK	e	12	55	41.8		
	NDI	ePn	12	55	57		4.2
		iSn		56	47.6		
07	NDI	e	14	05	01		
07	DDI	eP	18	02	09.4		
		i		02	45.9		
07	NDI	ePn	18	02	31		4.4
		Sn		03	23		
07	SHL	iP	19	44	46	D	
07	EPC: 5.8°S, 146.5°E						
	- H = 23h 00m 28.0s						
	Depth = 06 Kms.						
	Mag. = 5.1 (CGS)						
	SHL	eP	23	10	40		
07	NDI	eP	23	12	22		
08	CHA	ePg	00	21	11.1		1.5
		i		21	21		
		Sg		21	30.6		
08	SHL	iP	00	21	45	DNW	
08	NDI	eP	00	23	03		7.3
		eS		24	27		
08	SHL	eP	02	22	13		
08	SHL	iPg	02	25	21	DN	1.4
		iSg		25	39		
08	EPC: 3.4°S, 148.8°E						
	- H = 03h 29m 34.5s						
	Depth = 33 Kms.						
	Mag. = 4.7 (CGS)						
	SHL	iP	03	39	54	CE	
	NDI	eP	03	40	18		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
08	EPC: 49.8°N, 78.2°E						
	- H = 06h 03m 57.1s						
	Depth = 0 Kms.						
	Mag. = 5.4 (CGS)						
	DDI	iP	06	08	26	D	
	NDI	iP	06	08	44.8	CSW	
	SHL	eP	06	24	30		
	SHL	ePg	07	23	15		1.3
		iSg		23	33		
08	CHA	ePg	07	43	51		1.8
		Sg		44	15		
08	SHL	iP	07	44	01	D	
08	CHA	ePg	07	54	11		1.8
		Sg		54	35		
	SHL	eP	07	54	21		
	NDI	e	07	57	37		
08	NDI	e	07	59	26		
08	SHL	iP	10	55	27	DSW	
08	NDI	eP	12	57	41		
08	SHL	iP	13	57	47	D	
08	DDI	eP	13	59	34.8		
08	NDI	iP	14	25	26.6	CSW	
		i		25	55		
08	NDI	e	15	43	51		
08	NDI	iP	16	29	52	D	
08	NDI	eP	17	11	03		
08	SHL	iP	19	59	03	DE	
08	NDI	eP	20	42	36		
		i		43	23		
08	KOD	eP	20	44	04		
08	SHL	ePg	21	03	41		1.3
		eSg		03	59		
08	DDI	eP	22	58	45.5		
08	NDI	eP	22	58	56		8.1
08	NDI	eS	23	00	29		
08	DDI	i	23	04	38.5		
08	NDI	iP	23	04	48.1	CS	8.6
		eS		06	27		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
09	DDI	eP	01	05	06.6			
		i		05	45.1			
09	NDI	ePn	01	05	26.7	3.0		
		iSn		06	03.4			
09	EPC: 42.0°N, 16.5°E - H = 03h 09m 52.2s Depth = 33 Kms. Mag. = 4.5 (CGS)							
	NDI	eP	03	18	49	D		
		e		21	03			
09	NDI	eP	03	22	32			
09	NDI	eP	04	13	56			
09	EPC: 36.3°N, 70.8°E - H = 04h 55m 14.3s Depth = 25 Kms. Mag. = 4.8 (CGS)							
	DDI	iP	04	58	15.1	D		
	NDI	iP	04	58	25	CSE	8.5	
		iS	05	00	03			
	BHK	e	04	59	05			
	SHL	eP	05	00	43	CE		
09	BOM	iPn	06	00	10	D	1.7	
		iSn		00	33			
	KOD	i	06	03	36.5			
	NDI	e	06	05	48			
09	EPC: 5.5°S, 151.6°E - H = 06h 45m 25.9s Depth = 59 Kms Mag. = 5.2 (CGS)							
09	SHL	iP	06	54	07			
09	NDI	e	09	43	51			
		i		44	02			
09	NDI	i	09	44	21			
09	NDI	eP	09	48	48			
09	BOM	ePn	11	00	21		1.7	
		iSn		00	45			
09	EPC: 10.9°S, 164.2°E - H 10h 50m 46.6s Depth = 33 Kms. Mag. = 5.5 (CGS)							
	SHL	iP	11	02	51	CE		
	KOD	iP	11	03	48.5	C		
	DDI	eP	11	03	55.4			
09 contd.	NDI	eP	11	03	57	D	90.7	
		SKS		14	28			
		eS		14	53			
	BOM	eSKS	11	14	42			
09	EPC: 23.5°N, 121.6°E - H = 13h 38m 34.8s Depth = 33 Kms. Mag. = 4.6 (CGS)							
	SHL	iP	13	44	17	CE		
	NDI	eP	13	46	09			
		e		48	11			
09	BOM	ePn	18	28	58		1.7	
		iSn		29	22			
	KOD	e	18	32	04.2			
09	NDI	e	22	21	54			
09	EPC: 53.8°N, 163.2°W - H = 22h 11m 15.9s Depth = 14 Kms. Mag. = 4.3 (CGS)							
	SHL	iP	22	23	12	CE		
	NDI	e	22	23	35			
09	SHL	ePg	23	59	33		1.3	
		eSg		59	52			
10	NDI	eP	00	18	59	DNW		
10	DDI	iP	02	57	52.6		2.1	
		P*		57	53.3			
		Pg		57	54.8			
		S		58	19.4			
	NDI	ePn	02	58	14		3.2	
		eP*		58	20.2			
		i		58	24.8			
		iPg		58	26.0			
		iSn		58	53.1			
		iSg		59	08.4			
10	DDI	eP	04	32	41.3			
10	DDI	eP	05	15	16			
10	DDI	iPn	07	56	40.5	D	2.1	
		eSn		57	07.3			
	BHK	iPn	07	56	41.6	SWD	2.4	
		eSn		57	10.8			
	NDI	iPn	07	57	02.6	DN	3.3	
		P*		57	08.1			
		iPg		57	12.0			
		iSn		57	41.1			
		iS*		57	47.8			
		iSg		57	58.8			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
10 contd.	BOK	e	07	59	05		
	SEH	i	08	00	45	E	
	BOM	e	08	02	15		
		e		03	09		
	CAL	i	08	03	16	E	
	HYD	e	08	04	56		
10	EPC: 36.0°N, 53.6°E - H = 10h 52m 52.1s Depth = 51 Kms.(USCGS) Mag. = 5.0 (CGS)						
	NDI	iP	10	57	34.5	DW	
10	NDI	e	12	24	26		
10	SHL	iP	12	46	25	CSW	
10	EPC: 46.3°N, 81.9°E - H = 15h 34m 53.0s Depth = 48 Kms.(USCGS) Mag. = 4.8 (CGS)						
	DDI	eP	15	38	30		
	CHA	iP	15	39	12	D	
	NDI	iP	15	38	51.4	C	17.2
		iS		42	02		
	SHL	iP	15	39	32	DN	
10	DDI	eP	16	11	01.7		
10	NDI	ePn	16	11	11		4.1
		eSn		12	00		
10	SHL	iPg	17	13	02		0.8
		iSg		13	13		
10	NDI	ePn	17	53	09.8		1.72
		eSn(?)		53	32.8		
	EPc: Koyna Region - H = 17h 55m 30.5s						
10	POO	iPg	17	55	52.5		
		iSg		56	07.5		
		iSn		56	10.0		
	BOM	iPn	17	56	02.0		1.8
		iSn		56	25		
	GOA	ePn	17	56	02		
		eSg		56	28		
	KOD	eP	17	57	26.5	EN	
		iS		59	06.7		
10	POO	iPg	17	59	02.0		1.7
		iSg			17.0		
		iSn			19.7		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
10 contd.	BOM	ePn	17	59	10.2		1.8
		iSn		59	33.7		
10	MDR	i	17	59	20.6		
	NDI	ePn	18	00	34.8		4.8
		eSn		01	31.8		
	CHA	e	18	01	40		
10	POO	iPg	18	16	0.5		
		iSg		16	18.4		
	BOM	ePn	18	16	10.2		
		eSn			33.7		
	GOA	ePn	18	16	13.1		
		eSn		16	36.1		
	KOD	eSn	18	19	06.0		
		iS*		19	38.0		
10	EPC: 22.5°N, 94.8°E - H = 18h 43m 34.4s Depth = 158 Kms.(USCGS) Mag. = 5.2 (CGS)						
	SHL	iP	18	44	36		3.2
		iS		45	16		
	CHA	iP	18	45	31.0	CNW	7.8
		S		46	57.0		
	BOK	iP	18	45	33	CNW	7.3
		i		46	57		
	PBA	eP	18	46	04		10.7
		iS		48	02		
	VIS	i	18	46	21	W	
		i		48	28		
	MDR	eP	18	47	21	W	
		i		50	16		
	DDI	iP	18	47	23	C	16.5
		eS		50	25		
	NDI	eP	18	47	23		16.5
		PP		47	37		
		iS		50	24		
	KOD	iP	18	48	04	NE	20.7
		eS		51	43		
	BOM	iP	18	48	07	D	20.8
		eS		51	47		
	TRD	iP	18	48	19	E	22.8
		PP		48	41		
		iS		52	15		
	HYD	e	18	49	59		
10	POO	iPg	20	35	4.2		
		iSg		35	19.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
10	BOM	ePn	20	35	14	1.8
		eSn		35	37	

10 EPC: 17.37°N, 73.75°E
- H 22h 51m 19.0s
Depth = 8 Km. (N.Delhi)
Mag. = 7.5 (N. Delhi) KOYNA
EPC: 17.66°N, 73.93°E
- H = 22h 51m 24.3s
Depth = 33 Kms. (USCGS)
Mag. = 6.0 (CGS)

The Koyna Nagar township were razed to the ground; a number of villages, surounding severely damaged. Felt widely in South India. 177 Killed, 2272 injured.

	POO	iPg	22	51	41.4 DS	
	GOA	ePn	22	51	53.1 C	
	HYD	Pn	22	52	32	4.0
		Pg		52	48	
		Sn		53	20	
	MDR	eP	22	53	09.4 C	
		iS		54	32.5	
	KOD	eP	22	53	14.3 D	7.2
		eS	22	54	38	
	VIS	iP	22	53	34 W	9.1
		iPP		53	45	
		iS		55	18	
	TRD	iPn	22	53	36.7 W	
	NDI	iP	22	54	04.6 DSW	10.6
		iS		56	05.1	
	BOK	iP	22	54	23.8 CNE	13.0
		PP		54	36	
		iS		56	37	
	DDI	iP	22	54	29.5 D	
		i		56	39.5	
	BHK	eP	22	54	39.4	1.38
		i		57	56.8	
	CAL	i	22	54	49 NE	
		iS		57	26	
	CHA	iP	22	54	57 DNE	15.0
		S		57	45.0	
	SHL	iP	22	55	36 CNE	18.5
		iS		59	00	
	PBA	iP	22	55	47.5 CE	
		iS		59	10.0	
10 contd.	TOC	iP	22	56	10.4	
		e	23	00	05	
10	GOA	eP	23	08	10.9	
		iS		08	33.3	
10	PBA	i	23	09	12.5	
	NDI	e	23	12	39	
10	GOA	eP	23	15	24.0	
		eS		15	46.0	
10	POO	ePg	23	17	42.2	
		Sg		17	58.5	
	KOD	i	23	18	47	
10	POO	Pg	23	23	48.7	
10	POO	Pg	23	23	51.0	
		Sg		24	07.5	
10	POO	Pg	23	26	57.5	
	GOA	iPn	23	27	12.5	
		iSn		27	39.1	
	KOD	eP	23	28	41	
		iS		30	04	
	NDI	eP	23	29	21	
		eS		31	23	
	NDI	eP	23	29	22.8	10.6
		eS		31	23.4	
10	MDR	iSn	23	29	49.4	
		iSg		30	29.4	
10	NDI	(please see page No.56)				
10	GOA	eP	23	32	44.9	
		iS		33	07.1	
	POO	Sg	23	32	50	
	MDR	i	23	36	00.4	
	KOD	i	23	36	05	
	NDI	i	23	38	14	
10	POO	Pg	23	38	03.0 D	
		Sg		38	18.5	
	GOA	e	23	38	38.5	
	KOD	iS	23	41	38	
10	POO	Pg	23	41	38.0 D	
		Sg		41	53.8	
	GOA	ePn	23	41	47.9	
		eSn		41	08.9	
	KOD	i	23	45	12	

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
10	POO	Pg	23	45	02.5		
		Sg		45	18.5		
	GOA	ePn	23	45	14.4		
		eSn		45	35		
10	POO	i	23	48	26.5		
	GOA	eP	23	49	04.0		
		eS		49	35.9		
10	EPC: 17.4N, 73.3E -H = 23h 52m 16.7s (USCGS) Mag. = 5.0 (CGS)						
10	POO	Pg	23	52	39.0	C	
	GOA	iPn	23	52	48.2		
		iS		53	09.7		
	MDR	eP	23	54	05.6		
		eS		55	25.4		
		Sg		56	04.3		
	KOD	iP	23	54	09.3	C	7.4
		iS		55	35		
	VIS	eP	23	54	30		9.1
		eS		56	14		
	NDI	eP	23	55	01	DSW	
		S		57	06		
	DDI	iP	23	55	24.9	D	
		e		58	00		
	CHA	iP	23	55	55	C	
		i	00	00	29		
	GoA	eP	23	59	34.2		
		eS		59	53.6		
	KOD	i	23	59	40		
11	POO	Pg	00	07	31.5	C	
		Sg		07	46.8		
11	POO	Pg	00	10	29.2	C	
		Sg		10	44.2		
	GOA	e	00	11	18.2		
	KOD	iS	00	14	19.5		
11	POO	Sg	00	11	00.5		
11	POO	Sg	00	14	23.5		
11	POO	Sg	00	15	02.0		
11	KOD	ePn	00	17	10		
		eSn		18	27		
11	POO	ePg	00	20	12.5		
		Sg		20	27.0		
	GOA	ePn	00	20	40.6		
		iSn		21	05.6		
	KOD	ePn	00	23	14		
	MDR	e	00	23	59.4		
11	POO	Sg	00	22	50.5		
11	POO	Sg	00	25	43.0		
11	POO	Pg	00	27	20.5	D	
		Sg		27	36.5		
11	GOA	ePn	00	27	29.6		
		eSn		27	53.2		

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
10 contd.	KOD	eP	00	28	51.5		
		eS		28	17.5		
11	NDI	eP	00	29	21		
		eS		31	23		
	MDR	i	00	30	47.6		
11	POO	ePg	00	37	04.5		
		iSg		40	19.5		
11	POO	iPg	00	40	03.5	D	
		iSg		40	20.0		
11	POO	eSg	00	40	12.5		
11	POO	ePg	00	42	20.8	D	
		iSg		42	34.5		
11	POO	ISg	00	43	10.0		
11	POO	iPg	00	43	25.5	C	
		iSg		43	42.2		
	KOD	eS	00	43	32		
	GOA	e	00	43	58.6		
11	POO	iPg	00	44	32.9	D	
		eSg		44	49.0		
	GOA	e	00	45	06.6		
	KOD	eP	00	46	42		
		eS		48	04		
11	POO	iSg	00	46	33.0		
	KOD	e	00	49	49		
11	POO	Sg	00	52	02.7		
11	POO	iPg	00	55	14.5	D	
		iSg		55	30.7		
111	KOD	e	00	58	13		
		i		59	49		
111	POO	Pg	00	59	17.5	C	
		Sg		59	33.5		
111	POO	eSg	01	00	47.5		
11	POO	iSg	01	00	51.5	C	
		Sg		01	06.5		
	GOA	ePn	01	01	03.0		
		iSn		01	26.2		
	KOD	eP	01	02	25.0	D	
		eS		03	47.0		
	NDI	eP	01	03	20		
		eS		05	21		
	MDR	e	01	03	40.4		
11	POO	iSg	01	03	04.0		
11	POO	Pg	01	11	32.0		
		Sg		11	48.2		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
11 contd.	BOM	ePn	01	11	42	
		eSn		12	05	
	GOA	ePn	01	11	42.0	
		eSn		12	05.6	
11	KOD	iP	01	14	29.0	
11	POO	iSg	01	12	40.5	
11	POO	ePg	01	13	03.5	
		iSg		13	21.5	
11	POO	iSg	01	14	40.0	
	NDI	eP	01	17	17.7	
11	POO	iPg	01	21	01.9	
		Sg		21	17.5	
11	POO	ePg	01	28	25.0	
		iSg		28	41.0	
11	POO	iPg	01	43	44.5	
		Sg		44	02.5	
11	POO	iPg	01	44	29.5	
		Sg		44	44.5	
11	POO	ePg	01	46	34	
		e		46	48.5	
11	POO	eSg	01	49	11.5	
11	POO	ePg	01	50	02.0	
		eSg		50	17.0	
11	POO	iPg	01	50	04.2	
		iSg		50	20,5	
11	POO	Pg	01	53	30.5	
		Sg		53	47.0	
11	POO	Sg		56	17.5	
11	POO	Pg	01	57	14.5	
		Sg		57	29,5	
	BOM	ePn	01	57	26	1.7
		eSn			48	
11	POO	eSg	02	00	40	
11	EPC: 17.48°N, 73.83°E - H = 02h 00m 39.5s Depth = 12 Kms.(N.Delhi) Mag. = 4.5 (GBD) KOYNA					
	POO	iP	02	00	59.5	
	BOM	ePn	02	00	09	1.66
		eSn			31.4	
	GOA	ePn	02	01	14.7	2.02
		eSn		01	39.3	

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
11 contd.	KOD	e	02	02	37.0		
		Sg		04	03		
	NDI	e	02	06	31.8		
11	POO	ePg	02	07	18.0		
		eSg		07	33.0		
	BOM	ePn	02	07	27.6		
		eSn		07	50.8		
11	POO	iPg	02	08	41.5	D	
		i		08	54.5		
		i		08	57.5		
11	POO	iPg	02	10	15.2	C	1.2
		Sg		10	31.9		
	BOM	ePn	02	10	25.8		1.8
		iSn		10	50.1		
	KOD	eP	02	12	26		8.0
		eS		13	50		
11	POO	e	02	12	29		
		Sg		12	32		
	BOM	iPn	02	12	37.8		
		iSn		13	01.7		
11	POO	iPg	02	14	32.9		
		iSg		14	51.5		
11	POO	e	02	18	24.5		
11	POO	e	02	21	40,5		
11	POO	eSg	02	22	15.5		
11	POO	iPg	02	22	59.5	C	
		iSg		23	16.8		
	BOM	iSn	02	23	31.5		
11	POO	iSg	02	28	37.5		
11	POO	iSg	02	35	16.0		
11	POO	iPg	02	37	37.5	D	
		iSg		37	53.5		
11	POO	iPg	02	44	05.5	D	
		Sg			21.5		
	BOM	ePn	02	44	14.5		
		eSn		44	37.5		
11	POO	iPg	02	48	45.5		
		iSn		49	02.0		
	BOM	ePn	02	48	54.5		
		iSn		49	17.6		
11	POO	iSg	02	53	40.5		
11	POO	i	02	55	52.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
11	BOM	eP	02	56	55.7		
		i		57	15.5		
11	POO	ePg	02	57	55.5		
		iSg		58	12.0		
11	BOM	ePn	02	59	46.6		
		eSn	03	00	09.9		
11	POO	iPg	03	04	26.8		D
		Sg			43.0		
11	POO	iPg	03	08	08.1		C
		Sg		08	24.0		
	BOM	eSn	03	08	41		
11	POO	iSg	03	09	02.3		
11	POO	iPg	03	10	39.0		D
		Sg		10	44.5		
	BOM	iSn	03	11	11.5		
	KOD	e	03	14	17		
11	BOM	e	03	12	28.7		
11	POO	ePg	03	18	13.0		
		iSg		18	30.3		
	BOM	eSn	03	18	44.8		
11	BOM	e	03	33	12.2		
11	POO	ePg	03	48	49.7		
		Sg		49	04.4		
11	POO	ePg	03	54	21.5		
		iSg		54	38.0		
11	POO	Pg	03	57	11.7		
		Sg		57	28.0		
	BOM	ePn	03	57	20.8		
		eSn		57	45.0		
11	POO	ePg	03	59	16.0		
		iSg		59	32.2		
	BOM	eSn	03	59	50.2		
11	POO	eSg	04	01	27.5		
11	POO	ePg	04	06	32.0		
		e		06	44.5		
		e		06	46.7		
	BOM	eSn	04	07	01.2		
11	POO	Pg	04	11	50.7		
		Sg		12	06.5		
	BOM	ePn	04	12	00.3		
		eSn		12	23.2		
	KOD	e	04	15	28		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
11	EPc: 17.28°N, 73.67°N						
	- H = 04h 17m 57.5s						
	Depth = 8 Kms. (N.Delhi)						
	Mag. = 4.7 (G.B.D)						
	KOYNA						
	POO	iPg	04	18	21.5	1.26	
		iSg		18	37.5		
		S*			39.5		
	BOM	iPn	04	18	30.8	1.86	
		iSn		18	54.3		
	GOA	ePg	04	18	33.1		
	KOD	e	04	21	34.5		
		Sg		21	58.3		
11	POO	i	04	19	07.0		
11	POO	i	04	19	57.9		
11	POO	ePg	04	49	10.8		
		Sg		49	28.0		
	BOM	ePn	04	49	16.2		
		eSn		49	43.5		
11	POO	i	04	50	52.5		
11	POO	Pg	04	52	24.9		D
		Sg		52	40.8		
	BOM	ePn	04	52	34.8		
		Sg		52	56.9		
	GOA	eSn	04	52	57.8		
	KOD	e	04	52	26.5		
11	POO	Pg	04	52	25.8		
		Sg		52	44.0		
11	POO	Pg	04	52	29.5		
		Sg		52	48.8		
11	POO	Pg	05	00	22.0		C
		Sg		00	36.7		
	BOM	ePn	05	00	32.2		
		iSn		00	53.7		
	KOD	e	05	03	17.5		
11	POO	Pg	05	04	21.5		
		Sg		04	37.0		
11	POO	ePg	05	06	55.5		
		Sg		07	12.2		
	KOD	e	05	10	25		
11	POO	Sg	05	13	08.0		
11	POO	Pg	05	13	54.0		
		Sg		14	09.0		

DATE	STN	PHASE	H.	M.	S.	△ Deg.
11 contd.	BOM	ePn	05	14	04.0	
		eSn		14	27.0	
	KOD	e	05	17	24	
11	POO	Pg	05	27	27.5 D	
		Sg		27	45.0	
	BOM	ePn	05	27	37.9	
		eSn		27	59.8	
	KOD	e	05	30	31	
11	POO	e	05	30	07.5	
11	BOM	ePn	05	30	58.2	
		eSn		31	21.4	
	POO	Sg	05	31	03.2	
11	POO	Pg	05	35	38.5	
		Sg		35	54.0	
	BOM	ePn	05	35	48.2	
		eSn		36	11.2	
	KOD	e	05	38	43	
11	POO	e	05	37	36.0	
	BOM	e	05	37	50.2	
	POO	Pg	05	41	02.2 D	
		Sg		41	18.5	
	BOM	ePn	05	41	11.4	
		eSn		41	35.4	
	KOD	e	05	44	18	
11	POO	Pg	05	48	11.5 D	
		Sg		48	29.0	
	BOM	ePn	05	48	20.0	
		eSn		48	43.7	
	KOD	e	05	51	27	
11	POO	Pg	06	06	09.7	
		Sg		06	26.0	
11	EPC: 17.2°N. 73.8°E - H =06h 12m 44.0 Depth = 12 Kms. (N. Delhi) KOYNA.					
	POO	Pg	06	13	08.2	1.24
		Pn		13	10.0	
		Sg		13	24.0	
		S*		13	26	
	BOM	ePn	06	13	17.0	1.84
		iPg		13	19.0	
		iSn		13	40.6	
		iSg		13	42.2	
	GOA	eSg	06	13	40.0	

DATE	STN	PHASE	H.	M.	S.	△ Deg.
11 contd.	KOD	e	06	16	07	
11	POO	iPg	06	16	28.5 D	
		Sg		16	46.0	
	BOM	iPn	06	16	37.0	
		iSn		17	00.0	
	GOA	ePn	06	16	40.3	
		iSn		17	02.4	
	KOD	iPn	06	18	03.5	
		Sn		19	27.5	
	NDI	iP	06	18	55.5	
	MDR	eSn	06	19	15.4	
	DDI	e	06	19	28	
		eS		21	45.5	
11	POO	Sg	06	30	48.5	
11	POO	Pg	06	30	34.0 D	
		Sg		30	51.0	
	BOM	e	06	31	09.0	
11	POO	iPg	06	32	57.5 D	
	BOM	ePn	06	33	06.8	
		iSn		33	28.1	
	KOD	e	06	36	20	
11	POO	Pg	06	42	02.0	
		Sg		42	17.7	
11	POO	Pg	06	45	42.5	
		Sg		45	59.0	
	BOM	ePn	06	45	52.3	
		eSn		46	14.5	
	KOD	eS	06	48	33	
	DDI	e	06	51	27.5	
11	POO	Pg	06	46	53.0	
		Sg		47	08.9	
	BOM	ePn	06	47	02.3	
		eSn		47	24.6	
	KOD	e	06	51	21	
11	POO	e	06	51	10.5	
11	BOM	ePn	06	48	15.3	
		iSn		48	39.3	
11	POO	Pg	06	53	21.5 D	
		Sg		53	37.6	
	BOM	ePn	06	53	30.3	
		eSn		53	53.3	
	GOA	e	06	53	52.8	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
11 contd.	KOD	eS	06	56	21	
11	POO	Pg	06	59	35.5	D
		Sg		59	53.2	
	BOM	ePn	06	59	48.8	
		iSn	07	00	07.8	
	KOD	eS	07	02	26	
	NDI	i	07	02	36	
11	POO	ePg	07	12	54.5	
		eSg		13	12.2	
	KOD	eSg	07	13	57	
11	POO	ePg	07	17	16.0	
		Sg		17	32.2	
	BOM	e	07	17	48.3	
11	POO	Sg	07	19	11.5	
11	POO	Pg	07	22	07.0	
		Sg		22	24.5	
11	POO	ePg	07	37	26.8	
		iSg		37	41.5	
	BOM	ePn	07	37	37.0	
		iSn		37	58.7	
	GOA	ePn	07	37	39.7	
		iSn		38	01.7	
	KOD	eSn	07	40	25	
11	POO	Pg	07	51	23.0	
		e		51	40.8	
11	POO	ePg	07	59	26.5	
		Sg		59	42.3	
	BOM	ePn	07	59	38.0	
		eSn		59	58.4	
11	POO	Sg	08	05	07.5	
11	POO	Sg	08	17	21.5	
11	POO	i	08	24	59.5	
11	POO	i	08	32	31.2	
11	POO	i	08	33	00.5	
11	POO	Pg	08	35	20.0	
		Sg		35	36.0	
	BOM	ePn	08	35	29.7	
		eSn		35	51.1	
11	BOK	e	08	37	55	
11	POO	i	08	41	59.0	
11	POO	Pg	08	42	03.3	D
		Sg		42	18.9	
11	POO	Pg	08	42	39.7	C
		Sg		42	55.0	
	KOD	e	08	46	12	
11	POO	ePg	08	48	20.0	
		Sg		48	35.5	
	BOM	iPn	08	48	28.0	
		iSn		48	51.6	
	KOD	e	08	51	33	
	POO	Pg	08	50	05.7	
		Sg		50	21.3	
	BOM	ePn	08	50	15.1	
		iSn		50	37.4	
	GOA	eSn	08	50	37.7	
	KOD	e	08	53	39	
11	POO	Pg	09	02	12.5	D
		Sg		02	27.0	
	BOM	iPg	09	02	23.9	
		iSg		02	45.0	
	KOD	e	09	05	47	
11	POO	Pg	09	06	55.3	
		Sg		06	12.2	
11	Epc:,POO,BOM,GOA(Please see page 56)					
	KOD	e	09	14	30	
	NDI	e	09	14	51	
		i		18	15	
	MDR	e	09	14	30	
11	BOK	e	09	42	29	
11	POO	iPg	09	55	36.5	D
		Sg		55	52.8	
	GOA	ePn	09	55	44.7	
		eSn		56	06.7	
	BOM	ePn	09	55	44.8	
		eSn		56	09.0	
	MDR	e	09	59	07.4	
	KOD	e	09	59	14	
11	POO	Pg	09	58	38.5	
		Sg		58	54.9	
	BOM	ePn	09	58	46.5	
		eSn		59	10.5	
11	POO	i	10	00	40.7	
11	POO	Pg	10	05	28.0	
		Sg		05	44.5	
	BOM	ePn	10	05	38.8	
		eSn		06	01.2	
	GOA	eSn	10	05	59.1	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
11	POO	Pg	10	12	19.7	
		Sg		12	34.7	
11	POO	Pg	10	22	17.0	
		Sg		22	33.2	
	BOM	ePn	10	22	35.8	
		eSn		22	49.6	
	GOA	eSn	10	22	46.3	
	KOD	e	10	25	52	
11	POO	Pg	10	32	51.2	
		Sg		33	07.0	
	BOM	iSn	10	33	24	
11	POO	i	10	41	03.0	
11	POO	i	10	45	02.5	
11	POO	Pg	10	55	19.0	
		Sg		55	35.5	
11	POO	iPg	11	10	07.5 D	
		Sg		10	23.0	
	BOM	ePn	11	10	16.3	
		eSn		10	39.2	
11	EPc: 17.38°N, 73.74°E - H = 11h 19m 33.2s Depth = 12 Kms. (N. Delhi) Mag. = 5.1 (GBD) KOYNA.					
	POO	Pg	11	19	56.0	1.19
		Pn		19	57.0	
		Sg		20	11.0	
	BOM	ePn	11	20	04.1	
	GOA	eSn	11	20	28.9	
	KOD	Sn	11	22	35	
11	POO	Pg	11	25	10.0	
		Sg		25	25.5	
11	POO	Pg	11	20	26.0 D	
		Sg		30	41.2	
	BOM	ePn	11	30	34.7	
		Sn		30	58.0	
	KOD	e	11	34	07	
11	POO	i	11	54	27.2	
	BOM	e	11	55	31.7	
		i		55	32.9	
11	SHL	eP	12	22	03	
11	DDI	eP	12	27	01.8	
		e		28	30.1	
11	NDI	eP	12	27	15	8.9
		iS		28	57.2	
11	POO	ePg	12	44	12.5	
		Sg		44	27.5	
11	POO	ePg	13	18	02.5	
		Sg		18	18.0	
11	POO	ePg	13	19	52.5	
		Sg		20	08.8	
	BOM	e	13	20	24.8	
11	EPC: 17.32°N, 73.73°E - H = 14h 00m 04.0s (N.Delhi) Mag. = 5.4 (GBD) KOYNA					
	POO	Pg	14	00	28.0	1.24
		Pn		00	30.0	
		Sg		00	43.8	
	GOA	ePn	14	00	36.8	1.72
		iSg		00	58.6	
	BOM	iPn	14	00	37.0	1.84
		Pg		00	38.6	
		Sn		01	00.4	
	HYD	ePn	14	01	14.0	4.56
		iPg		01	28.6	
		eSn		02	05.0	
		iSg		02	25.5	
	KOD	ePn	14	01	59.5	7.53
		eSn		03	26.7	
	MDR	eSn	14	03	17.6	
	NDI	ePn	14	02	53	
		eSn		04	57	
	VIS	eP	14	04	46	
	BOK	e	14	05	41	
	DDI	e	14	06	16	
		eSg		07	18	
11	POO	i	14	04	27.5	
	BOM	iPn	14	04	23.0	
		iSn		04	44.8	
	GOA	ePn	14	04	27.0	
		eSn		04	51.9	
11	POO	Pg	14	11	15.0	
		Sg		11	30.9	
	BOM	eSn	14	11	47.5	
11	POO	i	14	18	22.0	
	BOM	e	14	18	39.3	

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
11	NDI	e	14	26	29		
		i		26	33		
11	POO	i	14	26	47.8		
11	POO	Pg	14	33	08.5		
		Sg		33	23.8		
	BOM	eSn	14	33	40.5		
11	BOM	e	14	35	36.8		
		i		35	42.5		
11	NDI	e	14	35	37		
11	SHL	iPg	14	56	07	DW	0.6
		eSg		56	14		
11	POO	Pg	15	01	36.5		
		Sg		01	51.7		
	BOM	eSn	15	02	09.4		
	KOD	e	15	05	17		
11	POO	iPg	15	10	49.5	D	
		i		10	51.0		
		Sg		11	03,5		
	BOM	iPn	15	10	59.1	D	
		iSn		11	21.1		
	GOA	e	15	11	03.6		
		eSn		11	28.2		
	KOD	i	15	14	25.5		
11	POO	ePg	15	36	35.7		
		Sg		36	53.0		
	BOM	ePn	15	36	46.6		
		eSn		37	09.6		
	KOD	i	15	40	10		
11	POO	Pg	15	47	37.7		
		Sg		47	55.0		
	BOM	ePn	15	47	46.9		
		iSn		48	09.5		
	KOD	i	15	51	11		
11	POO	i	15	50	32.9		
11	POO	ePg	16	11	27.5		
		Sg		11	42.5		
11	EPC: 5.2°S, 152.9°E - H = 16h 18m 20.3s Depth = 54 Kms. (USCGS) Mag. = 5.1 (CGS)						
	SHL	iP	16	29	07		
11	POO	iPg	16	23	12.5	D	
		Sg		23	28.5		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
11 Contd.	BOM	eSn	16	23	43.4		
11	POO	ePg	16	26	50.5		
		Sg		27	06.0		
11	EPC: 17.28°N, 73.63°E - H = 16h 36m 38.0s Depth = 15 Kms. (N. Delhi) Mag. = 4.8 (N. Delhi) KOYNA						
	POO	Pg	16	37	02.0		1.26
		Sg		37	18.0		
	BOM	Pn	16	37	11.2		1.84
		Sn		37	33.7		
	GOA	e	16	37	11.8		
		e		37	32.8		
	KOD	e	16	38	34.0		
		e		40	01		
	HYD	ePg	16	37	03		
		eSg		39	00		
	NDI	e	16	42	45		
		i		43	50		
	BOK	e	16	43	17		
11	POO	Pg	16	56	47.5		
		Sg		57	02.0		
	BOM	iPn	16	56	57.9		
		iSn		57	19.7		
	GOA	e	16	57	29.0		
11	POO	ePg	17	27	19.5		
		Sg		27	35.5		
11	POO	iPg	17	30	07.0	C	1.26
		Sg		30	23.0		
	GOA	ePn	17	30	14.6		1.77
		Pg		30	17.4		
		iSn		30	36.0		
	BOM	iPn	17	30	15.3		1.86
		Pg		30	18.3		
		iSn		30	37.9		
		iSg		30	40.9		
	HYD	ePn	17	30	52		
		e		31	44		
	KOD	ePn	17	31	37.6		
		e		33	04.5		
	MDR	e	17	33	24.3		
	VIS	i	17	34	22.2		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
11	NDI	e	17	34	37		
Contd.							
	BOK	e	17	35	19		
11	POO	iPg	17	35	52.2		D
		Sg		36	08.5		
	BOM	iPn	17	36	01.6		D
		iSn		36	24.1		
	GOA	ePn	17	36	02.2		
		i		36	22.6		
	KOD	e	17	37	19.0		
		i		39	09.5		
	MDR	i	17	39	18.3		
	BOK	e	17	42	06		
11	POO	ePg	17	48	02.2		
		Sg		48	18.5		
	BOM	iSn	17	48	35.8		
11	POO	ePg	18	01	37.0		
		Sg		01	53.0		
11	POO	ePg	18	18	20.0		
		Sg		18	37.5		
11	POO	ePg	18	32	56.7		
		Sg		33	12.7		
11	NDI	e	18	49	05		
		i		49	16		
11	EPC: 14.9°N, 56.0°E						
	- H = 19h 05m 01.9s						
	Depth = 33 Kms. (USCGS)						
	Mag. = 4.5 (CGS)						
	NDI	eP	19	10	14		
		e		14	40		
11	EPC: 17.29°N, 73.71°E						
	- H = 19h 15m 37.0s						
	Depth = 16 Kms. (N. Delhi)						
	KOYNA						
	POO	Pg	19	16	00.8	1.24	
		Sg		16	16.6		
	GOA	ePn	19	16	08.3	1.79	
		Sg		16	29.9		
	BOM	iPn	19	16	09.0		
		e		16	33.3		
	KOD	iPn	19	17	31.3		
		i		18	54.5		
		i		19	32.5		
	NDI	eP	19	18	28	10.8	
		eS		20	31		
		e		21	46		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
11	VIS	eP	19	19	31.7		
Contd.		i		20	17.7		
	HYD	ePn	19	16	44.0		
		e		17	36		
	MDR	e	19	18	45		
		i		19	25		
	BOK	e	19	21	15		
11	EPC: 13.7°N, 51.6°E						
	- H = 19h 48m 43.3s						
	Depth = 33 Kms. (USCGS)						
	Mag. = 5.2 (CGS)						
	NDI	eP	19	54	35	DE	29.9
		eS		59	28		
	SHL	iP	19	56	13	D	
11	SHL	iP	20	32	53	DSW	
11	EPC: 17.5°N, 73.61°E						
	- H = 20h 35m 10.0s						
	Depth = 12 Kms. (N. Delhi)						
	Mag. = 5.6 (GBD)						
	KOYNA.						
	POO	iPg	20	35	35.4	1.32	
		Sg		35	52		
	GOA	iPn	20	35	41.5	1.77	
		Pg		35	42.7		
		iSn		36	03		
	BOM	iPn	20	35	43.0	1.93	
		P*		35	44.2		
		Pg		35	46.3		
		iSn		36	03.9		
		Sg		36	05.4		
	HYD	ePn	20	36	21		
		e		37	11		
	KOD	ePn	20	37	06.4	7.48	
		eSn		38	33.0		
	NDI	eP	20	37	58		
		e		40	00		
		i		40	46		
	SEH	i	20	38	37.8		
	MDR	e	20	38	21.2		
		i		39	00.7		
	VIS	e	20	39	03.1		
		i		39	53.1		
	TRD	e	20	40	00		
	BOK	e	20	40	39		
	DDI	e	20	41	00		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
11	CHA	e	20	41	41		
Contd.							
	CAL	i	20	42	46		
11	BHK	e	20	46	10		
11	EPC: 17.27°N, 73.68°E						
	- H = 20h 49m 47.5s						
	Mag.= 5.8 (N. Delhi)						
	KOYNA						
	EPC: 17.3°N, 73.7°E						
	- H = 20h 49m 48.5s						
	Depth = 11 Kms. (USCGS)						
	Mag. = 5.2 (CGS						
	POO	Pg	20	50	12.6	1.30	
		Sg		50	29.0		
	GOA	iPn	20	50	20.0		
		i		50	41.5		
	BOM	iPn	20	50	20.2	1.90	
		P*		50	21.5		
		iSg		50	43.4		
	SEH	ePg	20	51	36.1		
		i		52	08.1		
	MDR	ePn	20	51	40.2	6.8	
		eSn		51	59.2		
		i		53	23		
	KOD	iP	20	51	42.2	7.5	
		eS		53	08.7		
	VIS	eP	20	52	02		
		i		53	37		
	TRD	e	20	52	10.7		
	NDI	eP	20	52	35.4		
		e		52	36		
		e		54	40		
	DDI	eP	20	52	59.5		
		eS		55	25		
	BOK	eP	20	53	03		
		e		56	28		
		e		56	34		
	CHA	iP	20	53	28	D	
		e		57	58		
	SHL	eP	20	54	06		
	TOK	e	21	00	51		
11	POO	Sg	22	12	27.5		
	BOM	e	22	12	48.1		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
11	EPC: 13.6°N, 51.6°E						
	- H = 22h 30m 18.3s						
	Depth = 33 Kms. (USCGS)						
	Mag. = 5.6 (CGS)						
	TRD	iP	22	35	51	E	26.5
		PP		36	38		
		iS		40	25		
	NDI	eP	23	36	10	D	29.0
		i		36	49		
		PP		36	56		
		eS		41	01		
	MDR	eP	22	36	10		
		e		40	44		
	CHA	iP	22	37	16	D	
	SHL	iP	22	37	48	D	
11	POO	iPg	22	54	58.5		
	GOA	ePn	22	55	06.5		
		eSn		55	30.9		
	BOM	iPn	22	55	06.6		
		eSn		55	30.1		
	KOD	e	22	57	52		
	MDR	e	22	58	24.6		
11	POO	i	23	07	11.5		
11	POO	i	23	15	20.0		
11	POO	Pg	23	30	17.0		
		Sg		30	32.0		
	BOM	iSn	23	30	48.9		
11	GOA	eP	23	35	08.0		22.3
		eS		39	10.5		
11	POO	Pg	23	38	54.3		
		Sg		39	12.5		
	BOM	e	23	39	25.2		
11	POO	Pg	23	43	55.5		
		Sg		44	09.5		
	BOM	iSn	23	44	26.7		
12	POO	iPg	00	04	44.0	D	
		Sg		04	59.0		
	BOM	ePn	00	04	52.3		
		iSn		05	15.6		
	KOD	eSn	00	07	53		
12	POO	Sg	00	05	45.8		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12	BOM	eSn	00	06	01.4		
Contd.							
12	POO	Pg	00	05	40.2		
		Sg		35	56.2		
	BOM	iPn	00	35	48.8		
		iSn		36	12.6		
	GOA	ePn	00	35	49.4		
		eSn		36	12.2		
	KOD	e	00	38	40		
		i		39	16		
12	POO	ePg	01	12	09.8		
		Sg		12	25.3		
	BOM	eSn	01	12	42.4		
12	BOM	i	01	57	19.4		
12	POO	ePg	02	24	09.5		
		Sg		24	25.5		
12	POO	ePg	02	25	32.5		
		Sg		25	48.7		
	BOM	eSn	02	26	06.3		
12	POO	i	02	36	34.5		
12	POO	Pg	03	04	36.3	1.12	
		Sg		04	50.5		
	BOM	ePg	03	04	47.8	1.71	
		Sg		05	09.1		
	KOD	e	03	07	42		
12	POO	Sg	03	04	50.5		
12	EPC: 5.7°N, 61.5°E						
	- H = 03h 22m 32.3s						
	Depth = 33 Kms.(USCGS)						
	TRD	iP	03	26	11	E	
	BOM	eP	03	26	16.7		
	MDR	eP	03	27	02		
		e		30	55		
	NDI	eP	03	28	17		
	SHL	iP	03	29	24		
12	POO	Pg	04	12	14.0		
		Sg		12	30.0		
	BOM	ePn	04	12	24.2		
		iSn		13	47.7		
	KOD	e	04	15	13		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12	EPC: 5.2°S, 152.8°E						
	- H = 04h 35m 28.2s						
	Depth = 58 Kms. (USCGS)						
	Mag. = 4.8 (CGS)						
	SHL	iP	04	35	29	DSW	
	NDI	eP	04	35	56		
	BHK	eP	05	21	56.2		
		e		25	54.8		
12	EPC: 17.28°N, 73.66°E						
	- H = 06h 18m 34.0s						
	Depth = 8 Kms. (N. Delhi)						
	Mag. = 5.6 (GBD)						
	POO	Pg	06	18	58.5		
		Sg		19	14.4		
	GOA	iPn	06	19	06.2		
		iSn		19	29.2		
	BOM	iPn	06	19	06.3		
	SEH	ePn	06	20	14.2		
		i		21	26.6		
	MDR	eP	06	20	25		
	KOD	iP	06	20	29.5	D	7.7
		iS		21	58		
	VIS	iP	06	20	45	DW	8.5
		iS		22	23		
	TRD	eP	06	20	49		8.8
		eS		22	30		
	NDI	iP	06	21	20.4		11.2
		iS		23	28.0		
	BOK	iP	06	21	38		
	DDI	iP	06	21	46.3		
		iS		24	22.6		
	CHA	i	06	22	02		
	CAL	i	06	22	08		
		i		24	50		
	SHL	eP	06	22	52		
	PBA	iP	06	23	00.9	D	
		eS		26	29.9		
	TOC	e	06	28	24		
		i		29	32		
12	BOM	e	06	37	08.7		
		i		37	27.5		
		i		37	31.5		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
12	POO	ePg	06	38	48.0	
		Sg		39	03.8	
12	EPC: 17.19°N, 73.69°E - H = 06h 40m 38.0s (N. Delhi) KOYNA					
	POO	Pg	06	41	02.7	1.28
		Sg		41	18.8	
	GOA	ePn	06	41	10.8	1.73
		Pg		41	11.8	
		Sn		41	32.6	
	BOM	iPn	06	41	11.3	
		e		41	32.5	
	KOD	eP	06	42	34.2	7.6
		iS		44	02	
	MDR	eSg	06	43	52.5	
		e		44	28	
	SEH	i	06	44	06	
	VIS	e	06	44	37	
	BOK	e	06	45	20	
	NDI	eS	06	45	26	
12	POO	iPg	07	06	05.0 D	
		Sg		06	21.4	
	GOA	ePn	07	06	12.6	
		eSn		06	35.0	
	BOM	i	07	06	15.4	
		eSn		06	36.8	
	KOD	e	07	09	05.0	
		i		09	40.0	
12	BOK	e	07	12	22	
12	POO	Pg	07	24	59.2	
		Sg		24	14.8	
	BOM	eSn	07	25	32.4	
12	POO	ePg	07	28	56.0	
		Sg		29	11.5	
12	EPC: 17.34°N, 73.79°E - H = 07h 31m 52.2s Depth = 5 Kms. (N. Delhi) Mag. = 4.6 (GBD) KOYNA					
	POO	Pg	07	32	15.0	1.19
		Sg		32	30.2	
	BOM	ePn	07	32	25.1	1.80
		iSg		32	51.2	
12 contd.	GOA	ePg	07	32	26.5	
		e		32	48.5	
	KOD	eS	07	35	16	
12	POO	iPg	07	35	19.0 D	1.3
		Sg		35	36.0	
	BOM	iPn	07	35	29.4	1.7
		eSn		35	52.7	
12	POO	Pg	07	48	43.5	1.3
		Sg		48	59.2	
	BOM	ePn	07	48	53.9	1.7
		eSn		49	15.6	
12	BOK	e	08	06	38	
12	EPC: 22.7°S, 171.1°E - H = 08h 06m 16.7 Depth 39 Kms. (USCGS) Mag. = 4.9 (CGS)					
	SHL	iP	08	19	17 C	
	BOK	e	08	19	57	
12	EPC: 17.45°N, 73.82°E - H = 08h 17m 27.0s Depth = 5 Kms. (N. Delhi) May 5.0 (GBD) KOYNA					
	POO	Pg	08	17	48.0	1.10
		Sg		18	01.8	
	BOM	iPn	08	17	57.8	1.71
		Pg		17	58.8	
		iSg		18	20.2	
	GOA	ePn	08	18	02.5	1.95
		iSn		18	27.0	
	KOD	ePn	08	19	24.5	7.6
		eSn		20	52.5	
	MDR	e	08	20	44.2	
		i		21	18.2	
	VIS	e	08	20	17.5	
		iS		21	05	
	NDI	i	08	22	54	
	BOK	i	08	24	12	
12	BOM	e	08	25	44.5	
12	POO	Sg	08	47	15.5	
12	POO	Pg	09	01	19.8	
		Sg		01	36.2	
	BOM	iSn	09	01	51.7	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12	BOM	e	09	22	01.1		
12	POO	Pg	09	26	32.5		
		Sg		26	48.0		
	BOM	e	09	27	03.8		
12	BOK	e	09	46	19		
12	BOM	e	09	47	16.5		
12	EPC: 23.8°N, 128.3°E - H =10h 10m 34.6s Depth = 46 Kms. (USCGS) Mag. = 4.7 (CGS)						
	SHL	eP	10	16	29		
	NDI	e	10	18	20		
12	POO	eSg	10	23	58.5		
12	POO	ePg	10	29	39.0		
		Sg		29	54.2		
	BOM	eSn	10	30	11.0		
	DDI	eP	10	30	30.2		
		iS		32	20.7		
	NDI	eP	10	30	49		10.4
		eS		32	48		
12	BOK	e	10	36	00		
	SHL	iP	10	36	35		DE
12	POO	Sg	10	48	49		
	BOM	eSn	10	49	06.6		
12	POO	Pg	10	57	52.5		
		Sg		58	08.4		
	BOM	eSn	10	58	25.4		
12	POO	Pg	10	59	29.2		
		Sg		59	45.0		
	BOM	eSn	11	00	02.4		
12	POO	Pg	11	33	25.5		
		Sg		33	42.0		
	GOA	ePn	11	33	34.8		
		eSn		33	56.5		
	BOM	ePn	11	33	37.7		
		eSn		33	58.1		
12	POO	Sg	11	49	29.5		
12	POO	Sg	12	00	49.7		
12	POO	iPg	12	11	19.0		D
		Sg		11	35.5		
	BOM	ePn	12	11	29.2		
		iSn		11	52.2		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12 contd.	GOA	eSn	12	11	50.8		
12	POO	Pg	12	18	36.2		
		Sg		18	51.0		
	BOM	e	12	18	50.0		
		eSn		19	10.5		
12	POO	Pg	13	10	26.8		
		Sg		10	42.7		
	BOM	ePn	13	10	36.1		
		eSn		10	59.9		
12	POO	Pg	13	39	49.5		
		Sg		40	05.2		
	BOM	eSn	13	40	23.0		
12	POO	Pg	14	02	21.0		
		Sg		02	37.3		
	BOM	ePn	14	02	31.4		
		eSn		02	54.7		
12	POO	Sg	14	11	55.7		
12	BOM	e	14	21	22.3		Distant
		i		21	28.1		
12	EPC: 17.41°N, 73.83°E - H = 14h 24m 53.8s (N.Delhi) Mag. = 4.8 (GBD) KOYNA						
	POO	Pg	14	25	16.0		1.15
		Sg		25	30.7		
	BOM	ePg	14	25	27.3		1.76
		iSg		25	49.5		
	GOA	ePg	14	25	29.2		1.82
		eSg		25	52.0		
	KOD	i	14	26	55.5		
		e		28	27		
	DDI	e	14	27	17.1		
12	POO	iPg	14	46	16.5		D
		Sg		46	33.3		
	BOM	ePn	14	46	26.0		
		iSn		46	49.5		
12	EPC: 17.24°N, 73.71°E - H =14h 56m 53.0s (N.Delhi) Mag. = 4.9 (GBD) KOYNA						
	POO	ePg	14	57	17.5		1.26
		Sg		57	33.5		
	GOA	ePn	14	57	25.4		1.71
		eSg		57	47.2		
	BOM	iPn	14	57	26.7		D 1.87
		iSn		57	50.7		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
12 contd.	KOD	eS	15	00	13		
		i		00	50		
	MDR	e	15	00	44		
12	POO	Pg	15	08	57.3		
		Sg		09	11.5		
12	POO	Pg	15	10	53.0		
		Sg		11	09.0		
12	BOM	i	15	16	10.3		
12	EPC: 17.29°N, 73.81°E - H = 15h 28m 32.7s Mag. = 4.9 (GBD) KOYNA						
12	POO	Pg	15	28	55.9		1.21
		Sg		29	11.3		
	BOM	ePn	15	29	06.4		1.82
		eSn		29	28.9		
		Sg		29	29.9		
	GOA	ePn	15	29	06.8		
		e		29	29.1		
	KOD	eS	15	31	57		
12	EPC: 17.29°N, 73.63°E - H = 15h 48m 51.7s (N.Delhi) Mag. = 6.2 (N.Delhi) KOYNA						
	EPC: 17.4°N, 73.9°E - H = 15h 48m 55.5s Depth = 27 Kms.(USCGS) Mag. =.5.0 (CGS)						
	POO	Pg	15	49	17		1.30
		Sg		49	33.2		
	BOM	iPn	15	49	24.4		1.89
		Pg		49	26.4		
		iSn		49	48.1		
	GOA	iPn	15	49	24.5		
		i		49	45.9		
	SEH	ePg	15	50	57.0		
		e		51	33.6		
	MDR	eP	15	50	53.2		7.8
		iS		52	02.7		
	KOD	iP	15	50	47.1		
		i		52	04.0		
	TRD	eP	15	50	59		8.6
		eS		52	38		
	VIS	eP	15	51	06		
		i		52	43		
12 contd.	NDI	eP	15	51	39		11.0
		eS		53	44		
	BOK	iP	15	51	57	CNE	19.7
		iS		55	34		
	DDI	e	15	52	03.3		
	CAL	iP	15	52	26		
		i		54	58		
	CHA	iP	15	52	28		
		i		55	15		
	SHL	iP	15	53	11		
		i		56	48		
	PBA	iP	15	53	21.2	C	20.0
		iS		56	42.0		
	TOK	i	15	55	00.4		
12	BOM	ePn	16	07	04.9		
		iSn		07	30.4		
	POO	Sg	16	07	11.5		
12	POO	Sg	16	08	48.8		
12	POO	iPg	16	10	09.0	D	
		Sg		10	24.6		
	GOA	ePn	16	10	17.2		
		iSn		10	40.1		
	BOM	iPn	16	10	18.3		
		iSn		10	43.2		
	KOD	ePn	16	11	41		
		eSn		13	08		
	MDR	e	16	13	33.2		
12	POO	Sg	16	18	07.0		
	BOM	eSn	16	18	23.9		
12	BOM	e	16	20	44.9		
		i		20	47.2		
12	BOM	e	16	23	02.4		
		i		23	04.1		
12	BOM	ePn	16	26	36.9		
		eSn		27	01.9		
	POO	Sg	16	26	42.6		
12	POO	Sg	16	26	42.6		
12	BOM	e	16	27	47.1		
12	POO	Sg	16	28	47.1		
	BOM	iSn	16	29	04.5		
12	POO	Sg	16	29	23.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
12 contd.	BOM	iSn	16	29	40.0		
12	POO	ePg	16	34	13.5		
		eSg		34	30.0		
	BOM	ePn	16	34	24.5		
		eSn		34	48.0		
12	POO	Sg	16	45	20.0		
12	POO	ePg	16	51	24.3		
		Sg		51	40.5		
12	POO	ePg	17	03	20.5		
12	POO	Pg	17	06	40.0		
		Sg		06	56.5		
	BOM	eSn	17	07	13.8		
12	POO	Sg	17	15	05.2		
12	BOM	i	17	25	36.0		Distant
		i		25	42.5		
12	BOM	e	17	26	10.0		
		i		26	12.7		
12	POO	Sg	17	42	02.0		
12	POO	Pg	17	50	00.5		
				50	14.5		
	BOM	ePn	17	50	10.3		
		iSn		50	33.7		
12	EPC: 17.30°N, 73.65°E -H = 18h 02m 35.4s, Depth = 0 Km.(N.Delhi) Mag. = 4.7 (GBD)						KOYNA
	POO	Pg	18	02	58.6		1.21
		Sg		03	16		
	BOM	ePn	18	03	08.3		1.82
		eSg		03	32.3		
	GOA	ePn	18	03	09.0		1.83
		eSg		03	33.0		
12	POO	Sg	18	07	30.5		
12	EPC: 17.30N, 73.72E - H = 18h 19m 57.0s Depth = 12 Kms. (N. Delhi) Mag. = 5.5 (KOYNA						
	POO	Pg	18	20	21.0		1.24
		Sg		20	36.8		
	GOA	iPn	18	20	28.6		1.78
		Pg		20	32.0		
		iSn		20	51.5		
	BOM	iPn	18	20	30.3		1.85
		Pg		20	32.9		
		iSn		20	53.7		
	MDR	ePn	18	21	48.2		
		e		23	09.4		
		i		23	45.4		
	KOD	iP	18	21	51.6		7.4
		iS		23	17.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
12 contd.	SEH	i	18	23	24		
	VIS	eP	18	22	11		9.1
		eS		23	55		
	NDI	eP	18	22	44		
		e		24	45		
		i		26	04		
	SHL	eP	18	24	20		
	BOK	e	18	24	57		
		i		26	41		
	DDI	e	18	25	20		
		iSn		46	42		
	CHA	e	18	27	09		D
		i		28	21		
12	POO	iPg	18	42	38.2		C
	BOM	ePn	18	42	47.4		
		iS		43	11.7		
12	BOM	e	19	21	22.7		
		e		21	34.7		
12	EPC: 17.35N, 73.84E - H = 20h 16m 22.5s Depth = 5 Kms. (N.Delhi) Mag. = 5.1 (GBD)						
	KOYNA						
	POO	Pg	20	16	45.5		1.19
		Sg		17	00.5		
	BOM	ePn	20	16	54.3		
		i		17	18.0		
	GOA	ePn	20	16	55.0		1.84
		e		16	58.0		
		eSn		17	18.7		
	KOD	i	20	18	59.7		
	MDR	e	20	20	15.2		
12	POO	ePg	20	54	27.8		
		Sg		54	44.5		
	BOM	eSn	20	55	02.3		
12	EPC: 17.23N, 73.70E - H = 21h 18m 38.0s Depth = 0 Km. (N.Delhi) Mag. = 4.8 (GBD)						
	KOYNA						
	POO	Pg	21	19	02.7		1.2
		Sg		19	19.0		
	GOA	ePn	21	19	11.1		1.71
		eSg		19	33.1		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12 cont.	BOM	ePn	21	19	11.9		
		iSn		19	36.2		
	KOD	eP	21	20	35	7.4	
		iS		22	00.7		
	MDR	e	21	21	52		
		i		22	28		
	VIS	i	21	23	16.7		
	NDI	eS	21	23	32.3		
	BOK	e	21	24	44		
		i		25	23		
12	SHL	iPg	21	48	17	DSE	1.1
		iSg		48	31		
12	POO	ePg	22	53	52.5		
		Sg		54	10.7		
	BOM	i	22	54	15.4		
		i		54	22.2		
	BOM	i	22	54	56.1		
		i		55	06.6		
12	BOM	e	22	59	26.6		
12	EPC: 17.24N, 73.73 E - H = 23h 17m 41.0s Depth = 0 Kms. Mag. = 4.7 (GBD) Koyna						
	POO	Pg	23	18	05.5		1.28
		Sg		18	21.7		
	GOA	ePn	23	18	15.0		1.75
		eSg		18	37.4		
	BOM	ePn	23	18	15.7		1.59
		eSn		18	39.4		
	KOD	eSn	23	21	06		
12	POO	ePg	23	54	11.0		
		Sg		54	28.4		
13	POO	eSg	00	07	11.2		
	BOM	eSn	00	07	28.0		
13	EPC: 17.24N, 73.74E H - 00h 56m 34.5s Depth * 0 Km. (N.Delhi) Mag. = 5.3 (GBD) Koyna						
	POO	Pg	00	56	59.5		1.30
		Sg		57	16.0		
	BOM	iPn	00	57	07.9		1.89
		iSg		57	32.1		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
12 cont.	GOA	ePN	00	57	08.5		
		e		57	30.2		
	KOD	e	00	59	20		
		i	01	00	34		
	VIS	i	01	01	16.3		
	NDI	eS	01	02	44		
13	POO	ePg	01	06	47.1		1.3
		eSg		07	03.5		
	BOM	iSg	01	07	20.5		
13	POO	iPg	01	53	04.8		1.3
		Sg		53	21.2		
	BOM	iPn	01	53	14.7		1.8
		iSn		53	38.3		
		Sg		53	42.8		
	KOD	eS	01	56	10		
13	POO	Pg	02	29	33.0		1.3
		Sg		29	49.0		
13	BOM	e	03	00	21.2		
		i		00	22.7		
13	POO	Pg	03	30	13.7		1.3
		Sg		30	29.2		
	BOM	ePn	03	30	23.3		1.8
		iSn		30	46.4		
13	KOD	iP	04	06	26.5	DSW	
		i		06	26.5		
13	KOD	eP	04	08	16.5	DSW	
13	POO	Pg	04	16	32.5		1.3
		Sg		16	48.2		
13	POO	Sg	04	17	36.3		
	BOM	e	04	17	42.6		
	NDI	ePn	04	24	03.6		1.8
		eSg		24	26.7		
13	EPC: 17.31N						
13	EPC: 17.31N, 73.72 E - H = 05h 09m 41.5s Depth = 0 Km. (N.Dlhi) Mag. = 5.5 (N. Delhi) Koyna						
	POO	Pg	05	10	06.5		1.30
		Sg		10	23.0		
		Sn		10	28.0		
	GOA	iPn	05	10	14.8		1.73
		Pg		10	15.8		
		eSn		10	37.0		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
13 cont.	BOM	iPn	05	10	15.1	1.89
		iSn		10	39.1	
	MDR	eP	05	11	35.2	
		i		12	54.7	
	KOD	iP	05	11	38	7.6
		iS		13	06.5	
		i		13	19.5	
	SEH	i	05	11	49.8	
		i		13	09.6	
	VIS	ePn	05	11	57	12.9
		e		13	34	
	HYD	Pn	05	12	02	
		Pg		12	17	
	TRV	e	05	12	44.4	
		e		14	06.4	
	NDI	eP	05	12	29	
		i		14	55	
	BOK	eP	05	12	52	
		i		16	23	
	DDI	eP	05	12	53.6	
		i		16	54.2	
13	SEH	i	05	13	10	
		i		13	16	
		i		13	24	
13	SHL	iP	05	14	05 C	
13	CHA	eP	05	16	55.0	4.5
		S		17	49.0	
13	CAL	e	05	17	08	
13	BOM	e	05	57	44.7	
		iSn		57	57.2	
13	POO	Pg	06	14	07.2	
		Sg		14	23.2	
	BOM	ePn	06	14	17.2	
		eSg		14	42.4	
13	POO	Sg	06	36	39.0	
13	BOM	ePg	06	56	10.4	
		iSg		56	11.7	
		i		56	12.0	
13	POO	ePg	06	58	29.2	
		Sg		58	45.2	
13	POO	ePg	06	16	21.2	
		Sg		16	36.5	
	BOM	ePn	07	16	31.5	
		eSn		16	53.5	
		i		16	55.8	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
13 contd.	POO	Pg	07	19	25.3	
		Sg		19	41.8	
	BOM	ePn	07	19	35.7	
		eSn		19	58.7	
13	BOK	e	07	27	16	
13	SHL	eP	07	27	53	1.5
		eS		28	13	
13	POO	Pg	07	42	40.0	
		Sg		42	55.0	
13	POO	ePg	07	45	27.5	
		Sg		45	43.5	
	BOM	iSg	07	46	01.5	
13	SHL	iP	07	51	32. D	
13	NDI	i	07	53	18	
13	BOM	e	08	22	04.0	
13	POO	e	08	33	01.0	
		Sg		33	16.0	
	BOM	ePn	08	33	09.6	
		eSg		33	34.3	
13	POO	Sg	08	58	19.3	
13	EPC: 47.6N, 152.6E - H = 10h 38m 23.4s Depth = 124 Kms.(USCGS) Mag. = 5.5 (CGS)					
13	SHL	iP	10	47	23 CSW	
13	CHA	iP	10	47	41 C	53.0
		eP		47	42	
		e(S)		55	10	
13	BOK	i	10	47	59	
		i		55	44	
13	DDI	iP	10	48	01.3 C	
13	NDI	iP	10	48	17.5 CSW	58.0
				52	49	
				56	18	
13	VIS	iP	10	48	40 D	
13	MDR	eP	10	49	15	66.8
		eS		58	07	
13	POO	iP	10	49	18.0 C	
13	BOM	iP	10	49	18.9	
13	SHL	i	10	48	43 NE	
13	KOD	eP	10	49	38.0 SW	
		i			38.0	

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
13	EPC: 49.4N, 154.5 E - H = 10h 58m 21.6s Depth = 138 Kms.(USCGS) Mag. = 5.1 (CGS)						
	SHL	iP	11	07	28		CSW
	DDI	iP	11	08	03.5		C
	NDI	e	11	08	18		
	MDR	eP	11	09	20		
	POO	iP	11	09	21.2		D
	BOM	e	11	09	24		
	BHK	i	11	18	8.8		
13	NDI	iP	11	34	29.6		C
		i		34	32		
		L		34	34		
13	EPC: 17.2N, 73.66E - H = 11h 57m 50.0s Depth 0 Km. (N.Delhi) Mag. = 4.6 KOYNA						
	POO	iPg	11	58	15.2	1.32	
		Sg		58	32.0		
	GOA	ePg	11	58	25.6	1.73	
		eSg		58	47.2		
	BOM	iPn	11	58	23.5	1.87	
		Sn		58	47.3		
	KOD	eS	12	01	11.5		
		i		01	50.5		
	MDR	i	12	01	42.2		
	NDI	e	12	03	36		
13	BOK	e	12	04	30		
13	NDI	eP	12	07	30		
		i		07	41		
13	POO	Pg	12	27	01.0		
		Sg		27	16.5		
	BOM	ePn	12	27	10.0		
		iSn		27	33.5		
13	POO	ePg	13	42	58.0		
		Sg		43	14.8		
	BOM	eSn	13	43	29.5		
13	POO	ePg	14	13	11.0		
		Sg		13	28.0		
	BOM	iPn	14	13	18.8		
		eSn		13	42.3		

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
13	BOM	e	15	01	25.6		
		eSn		01	46.1		
13	NDI	iP	15	17	08.3		DS
13	POO	iPg	15	34	27.0		D
		Sg		34	42.5		
	BOM	ePn	14	34	35.6		
		iSn		34	59.8		
13	BOM	e	15	38	08.9		
		eSn		38	30.4		
13	POO	Pg	15	52	51.2		
		Sg		53	07.0		
	BOM	e	15	53	07.1		
		eS		53	27.5		
13	EPC: 5.3N, 125.9E - H = 15h 36m 00.7 Depth = 108 Kms. (USCGS) Mag. = 5.4 (CGS)						
13	SHL	iP	15	43	12		C
13	CHA	iP	15	43	51		C
13	KOD	eP	15	44	30.0		DE
13	DDI	eP	15	44	53.4		
13	NDI	iP	15	44	56.2		
13	POO	Pg	16	04	26.0		
		Sg		04	40		
13	MDR	e	16	05	33		
13	POO	Pg	16	05	53.2		
		Sg		06	09.9		
	BOM	iSn	16	06	25.9		
13	POO	Pg	16	18	37.0		
		e		18	55.2		
	BOM	ePn	16	18	47.7		
		iSn		19	09.7		
13	POO	ePn	16	20	15.0		
		eSn		20	38.5		
13	NDI	iP	16	24	49.9		DN
13	NDI	i	16	24	01		
13	PBA	ePg	16	25	01.1	0.6	
		iSg		25	08.1		
	MDR	eP	16	29	21		
		e		29	59		
13	BOM	eP	16	25	10.2		
		Sg		25	26.2		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
13 contd	BOM	Pg	16	25	17.		
		iSn		25	40.9		
13	POO	Pg	17	45	37.0		
		Sg		45	51.5		
	BOM	iPn	17	45	47.8		
		iSn		46	09.8		
13	KOD	eP	17	49	16.0		DNW
13	EPC: 47.1°N, 145.7°E - H = 17h 47m 51.2s Depth = 312 Kms.(USCGS) Mag. =.4.8 (CGS)						
	SHL	iP	17	55	56		DNE
13	CHA	iP	17	56	15		D
13	NDI	iP	17	56	55		DN
	POO	iP	17	57	54.5		
13	POO	Pg	18	06	35.0		
		Sg		06	49.5		
13	POO	Sg	18	07	28.5		
13	POO	Pg	18	41	27.5		
		Sg		41	43.2		
	BOM	ePn	18	41	36.0		
		i		41	59.6		
	KOD	e	18	44	17		
		iS		45	01.5		
13	EPC: 19.1S, 168.7E - H = 19h 07m 14.4s Depth = 51 Kms.(USCGS) Mag. = 5.7 (CGS)						
	SHL	iP	19	19	55		CSW
	CHA	iP	19	20	16		C
	BOK	iP	19	20	16		CW
		i		26	22		
	NDI	i	19	20	55		
13	POO	Pg	19	20	06.2		
		Sg		20	22.0		
	BOM	iPn	19	20	14.6		
		iSn		20	37.2		
	GOA	ePn	19	20	20.1		
		eSn		20	44.5		
	MDR	eP	19	21	35.8		
		eS		22	58.1		
	KOD	iP	19	21	41.7		D
		iS		23	09.7		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
13 contd.	SEH	e	19	21	44.3		
		eSn		22	29.9		
		iSg		23	07.6		
	HYD	Pn	19	21	58		
		Pg		22	21		
	VIS	eP	19	21	59		
		e		24	25		
	NDI	eP	19	22	29.4		
		iS		24	33.5		
	TRV	e	19	22	37.1		
		e		24	09.1		
	DDI	eP	19	22	53.5		
		i		26	59.5		
	CHA	iP	19	23	23	14.7	
		S		26	08		
		i		27	51		
13	CAL	iS	19	27	16		E
	PBA	e	19	29	41		
13	EPC: 17.46°N, 73.86°E - H = 19h 36m 09.4s Depth = 5 Kms. (N.Delhi) KOYNA						
	POO	Pg	19	36	30.5	1.10	
		Sg		36	44.5		
	BOM	iPn	19	36	39.1	1.65	
		iSg		37	00.4		
	GOA	ePn	19	36	44.1	1.96	
		Pg		36	46.1		
		iSg		37	11.1		
	HYD	Pn	19	37	28		
		e		38	49		
	KOD	iP	19	38	07		
		i		40	11.5		
	NDI	eP	19	38	55		CN
		eS		41	00		
	CHA	eP	19	39	49		D
	MDR	i	19	40	01.3		
	VIS	i	19	40	48.9		
	BOK	e	19	41	29		
		i		42	51		
13	BOM	e	20	23	21.9		
		iS		23	42.6		
13	BOM	e	20	24	12.9		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
13	BOM	e	20	25	12.9			
13	POO	ePg	20	45	01.0			
		Sg		45	16.9			
	BOM	ePn	20	45	30.9			
13	CHA	eP	20	57	23.3		D	5.3
		S		58	25.0			
13	SHL	iP	20	57	57		DSE	
	NDI	eP	20	58	10		DS	
	POO	iPg	20	59	22		D	
13	POO	iPg	21	05	48.5		D	
		Sg		06	03.57			
13	BOM	iPn	20	05	56.9			
		iSn		06	19.4			
13	KOD	eP	21	09	05.0		DNE	
13	SHL	eP	21	34	02			
13	POO	Pg	22	05	26.5			
		Sg	22	05	43.0			
	BOM	ePn	22	05	35.3			
		iSn		05	59.8			
13	BOM	i	22	25	25.7			
13	BOM	i	22	25	54.5			
13	SHL	iP	23	22	37		D	
14	EPC: 17.3N, 73.83E							
	- H = 00h 00m 53.5s							
	Depth = 0 Km.(N.Delhi)							
	KOYNA							
	POO	Pg	00	01	16.7			1.19
		Sg		01	31.8			
	BOM	ePn	00	01	24.6			1.82
		iSg		01	48.6			
	GOA	e	00	01	31			
		Sg		01	52			
	KOD	eS	00	04	11			
		i		04	54			
	NDI	eP	00	07	00			
14	POO	iPg	00	01	16.7			
		Sg		01	32.0			
	BOM	ePn	00	01	25.1			
		iSn		01	49.4			
	KOD	eSn	00	04	11			
14	POO	ePg	00	11	24.5			
		Sg		11	39.5			
14	POO	ePg	00	22	39.0			
		eSg		22	53.0			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
14	POO	Pg	00	53	25.0			
		Sg		53	41.5			
14	EPC: 14.3N, 53.7E							
	- H = 02h 20m 27.9s							
	Depth = 33 Km (U.S.C.G.S.) (CGS)						Mag. = 4.9	
	BOM	iP	02	24	49		CE	19.8
		PP		25	08			
		eS		28	27			
	POO	eP	02	24	59			20.3
		S		28	42			
	NDI	eP	02	25	01			
		e		30	37			
	MDR	eP	02	25	40			
		e		26	01			
		e		30	16			
	CHA	iP	02	27	08		C	
14	POO	ePg	02	33	51.5			
		Sg		34	07.5			
14	BOM	e	02	56	54.1			
14	NDI	eP	03	02	55		C	
14	POO	eP	03	40	21			
14	KOD	iP	03	40	22.5		DSE	
		i			23.0			
		i			22.7			
14	DDI	iP	03	40	25.5		R	
14	NDI	iP	03	42	29.0			
		i		40	33			
14	NDI	eP	03	43	00		C	9.5
		iS		44	47.7			
14	SHL	iP	03	45	28		C	
14	POO	ePg	04	37	00.0			
		Sg		37	15.0			
	BOM	eSn	04	37	31.2			
14	POO	Sg	05	36	14.5			
14	POO	Pg	06	16	20.5			
		Sg			37.0			
	BOM	ePn	06	16	28.9			
		eSn	06	16	53.7			
14	POO	ePg	06	19	46.5			
		Sg		20	02.0			
	BOM	ePn	06	19	56.1			
		iSn		20	18.2			
14	POO	Pg	07	33	59.0			
		Sg		34	15.0			

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
14	SHL	iP	07	41	33		C
14	POO	Pg	07	45	45.2		
		Sg		46	01.5		
	BOM	eSn	07	46	17.8		
14	POO	Sg	09	01	41.0		
14	POO	Sg	09	11	38.0		
14	POO	iPg	09	17	09.8		
		Sg		17	26.5		
14	BOM	ePn	09	17	18.2		
		eSn			44.2		
	GOA	ePg	09	17	18.4		
		e		17	40.4		
	KOD	eS	09	20	09		
		i		20	48.5		
	MDR	e	09	20	34		
		e		20	37		
	NDI	e	09	22	19		
14	POO	ePg	09	54	20.0		
		Sg		54	35.0		
	BOM	eSn	09	54	51.6		
14	POO	Pg	10	35	05.5		
		Sg		35	21.0		
	BOM	iSn	10	35	14.9		C
		iSn		35	37.4		
14	POO	Pg	11	34	18.2		
		Sg		34	34.2		
14	KOD	i	12	08	03.7		
14	POO	Pg	12	23	31.8		
		Sg		23	47.5		
14	POO	Pg	13	06	53.0		
		Sg		07	08.5		
14	POO	S	14	17	55.0		
14	BOM	ePn	14	36	44,9		
		iSn		37	06.9		
	POO	Sg	14	36	52.0		
14	EPC: 14.9°S, 166.8°E						
	- H = 14h 39m 34.8s						
	Depth = 18 Kms. (USCGS)						
	Mag. = 5.0 (CGS)						
14	SHL	iP	14	52	03		CNW 5.7
14	CHA	iP	14	52	26		D

DATE	STN	PHASE	H.	M.	S.	△ Deg.	
14	EPC: 17.23N, 73.66E						
	- H = 15h 06m 21.2s						
	Depth 12 Kms. (N.Delhi)						
	KOYNA						
	POO	Pg	15	06	46.0	1.30	
		e		06	48.5		
		Sg		07	02.5		
	BOM	iPn	15	06	53.0		
		iPg		06	56.5		
		iSn		07	16.5		
	GOA	iPn	15	06	55		
		i		07	17		
	KOD	iP	15	08	16.1	7.2	
		eS		09	40		
14	HYD	Pn	15	08	42		
		Pg		08	51		
	NDI	eP	15	09	12.1		
		i		10	57.2		
	MDR	ePs	15	09	29.5		
		eS		10	09.8		
14	SEH	iSg	15	09	50.2		
14	CHA	eP	15	10	00		D
	VIS	ePs	15	10	13		
14	SHL	iP	15	10	45		DW
14	BOK	ePn	15	11	44		7.0
		iSn		13	05		
	DDI	eP	15	12	09.6		
	CAL	i	15	13	57		
14	SHL	iP	15	14	09		CNE
14	POO	Pg	15	49	10.5		
		Sg		49	26.5		
	BOM	eSn	15	49	41.6		
14	POO	ePg	16	32	21.0		
		Sg		32	36.9		
14	POO	ePg	16	42	43.5		
		Sg		42	59.0		
14	BOM	e	17	01	21.3		
14	BOM	e	17	01	48.7		
14	POO	Pg	17	24	59.0		
		Sg		25	14.7		
14	POO	Sg	17	50	22.0		
14	POO	Sg	17	51	09.0		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
14	EPC: 54.6N, 160.4E - H = 18h 25m 16.6s Depth = 33 Kms. (USCGS) Mag. = 5.5 (CGS)						
14	SHL	iP	18	35	01		CNE
14	CHA	iP	18	35	14		D
14	NDI	eP	18	35	41		
				36	19		
14	CHA	iS	19	13	11		
14	EPC: 38.2N, 91.3E - H = 19h 15m 20.5s Depth = 33 Kms. (USCGS) Mag. = 5.4 (CGS)						
14	SHL	iP	19	18	17		CNW
14	NDI	eP	19	18	51		DSW
14	POO	iP	19	20	40.8		C
14	BOK	e	19	22	14		
14	MDR	e	19	25	04		
		e		32	46		
14	BOM	e	19	29	-		
14	HYD	M	19	30	05		
14	POO	ePg	21	32	03.5		
		Sg		32	21.0		
14	NDI	e	21	42	24		
		L		42	29		
14	EPC: 4.0°S, 68.4 E, - H = 21h 58m 54.5s Depth = 33 Km. Mag. = 4.9 (CGS)						
	KOD	eP	22	02	50.0		NW
	MDR	eP	22	03	29	21.7	
		PP		03	48		
		eS		07	25		
	POO	eP	22	03	58		
	NDI	eP	22	05	34		
	CHA	iP	22	05	52		D
	SHL	iP	22	06	05		C
	TRV	e	22	06	13		
	CHA	iS	22	09	55		
		i		09	57		
	HYD	e	22	13	02		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
14	NDI	eP	22	42	30		
		i		43	26		
14	POO	Pg	23	14	39.7		
		Sg		14	54.0		
	BOM	ePn	23	14	50.1	1.7	
		iSn		15	12.5		
14	KOD	e	23	17	20		
14	EPC: 5.1S, 151.2E - H = 23h 26m 39.7s Depth = 150 Kms.(USCGS) Mag. = 5.1 (CGS)						
14	SHL	iP	23	37	07		CW
	CHA	iP	23	37	35		C
	NDI	eP	23	38	24		
14	POO	Pg	23	40	25.0		
		Sg		40	41.5		
	BOM	iPn	23	40	34.5		C
		i			37.0		
		eSn		40	56.9		
	GOA	e	23	40	37.8		
		eSn		40	56.2		
	NDI	eP	22	42	30		
	KOD	e	23	43	22		
		i		43	59.3		
	MDR	e	23	43	51		
	CHA	e	23	47	16		
14	POO	Pg	23	58	37.0		
	BOM	ePn	23	58	46.8		
		eSn		59	08.6		
15	MDR	eS	01	01	37		
15	POO	Sg	00	13	07.5		
15	CHA	iPg	01	45	35.5		C 1.8
		Sg		45	58.7		
15	POO	Pg	02	43	37.5		
		Sg		43	53.5		
15	BOM	e	03	31	25.8		
		Sg		31	43.0		
	BOM	eSn	03	31	59.2		
		i		32	19.9		
	KOD	e	03	35	23		
15	POO	Pg	05	30	29.0		
		Sg		30	45.0		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
15	NDI	iPg	05	34	25.8	CS	0.37
		iSg		34	30.7		
15	NDI	e	06	14	52		
15	POO	Sg	06	16	15.5		
	BOM	Sn	06	16	31.0		
15	POO	Pg	06	21	39.0		
		Sg		21	55.0		
	BOM	ePn	06	21	47.3		
		iSn		22	11.6		
	KOD	eSn	06	24	39		
		e		25	12		
15	POO	P	07	44	38		
		eS		47	00		
15	POO	Sg	07	25	40.5		
15	BOK	e	10	55	04		
15	POO	Sg	11	03	21.9		
15	POO	Pg	14	57	57.0		
		Sg		58	13.0		
15	POO	ePg	17	45	14.5		
		Sg		45	29.9		
	BOM	ePn	17	45	23.9		
		iSn		45	47.6		
15	BOM	e	17	55	34.9		
		e		55	39.4		
15	POO	ePg	18	37	41.5		
		Sg		37	57.0		
15	POO	Pg	18	45	57.0		
		Sg		46	12.5		
15	NDI	eP	20	05	49	D	
15	POO	Sg	20	23	45.5		
15	PBA	ePg	21	39	45.9		0.8
		iSg		39	55.9		
15	POO	Pg	21	50	02.5		
		Sg		50	18.5		
	BOM	ePn	21	50	11.2		
		eSn		50	35.7		
15	BOM	ePn	22	05	51.9		
		eSn		06	13.4		
	POO	Sg	22	05	56.2		
15	CHA	iPg	22	08	16.7		1.1
15	POO	Pg	23	18	01.9		
		Sg		18	19.3		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
15	CHA	eP	23	18	27.7		4.9
		i		18	59.0		
		S		19	26.0		
15	NDI	eP	23	19	09	D	
		i		19	50		
15	SHL	iP	23	57	59	DW	
16	EPC: 17.00°N, 73.77°E - H = 02h 08m 21.5s (N.Delhi)						
	POO	Pg	02	08	46.0		1.28
		Sg		09	02.1		
	GOA	ePn	02	08	55.8		
		e		09	16.5		
	KOD	eS	02	11	29		
		e		12	15		
16	POO	Pg	02	22	29.0		
		Sg		22	43.9		
	BOM	eSn	02	22	40.0		
		e		23	02.7		
16	BOM	ePn	02	23	54.2		
		eSn		24	17.7		
16	NDI	iP	02	38	37.5	D	
		i		39	08		
	POO	eP	03	38	46.8		
	SHL	iP	03	38	56		
	KOD	iP	03	39	01.2	DSE	
		i			02.5		
		i			02.0		
16	POO	Sg	04	03	31.5		
16	POO	Pg	05	58	12.2		
		Sg		58	28.5		
16	BOM	ePn	05	58	22.3		
		eSn		58	47.1		
16	KOD	eSn	06	01	29		
16	BOK	e	07	15	05		
16	BOM	i	07	32	09.6		
16	BOK	e	08	33	41		
16	BOM	e	08	40	03.1		
16	NDI	i	09	40	04		
		e		44	55		
	BOK	e	09	44	11		
16	NDI	i	09	59	06		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
16	BOM	e	10	33	54.5			
16	POO	Sg	12	36	14.0			
16	POO	Pg	13	10	21.5			
		Sg		10	38.0			
16	POO	Pg	14	54	05.0			
		Sg		54	20.0			
16	NDI	e	15	21	34.2			
16	POO	Sg	15	27	59.0			
16	POO	e	17	57	55.0			
16	EPC: 9.0s, 161.0E - H = 17h 55m 05.2s Depth = 53 Kms. (USCGS) Mag. = 4.8 (CGS)							
16	SHL	iP	18	06	44	DE		
16	EPC: 35.8°N, 140.7°E - H = 19h 44m 16.0s , Depth =45Km. Mag. = 4.1 (CGS) (USCGS)							
16	NDI	eP	19	53	31			
16	POO	Pg	19	53	22.7			
		Sg		53	39.0			
16	POO	Sg	20	26	46.0			
16	EPC: 51.2N, 157.7E H- 20h 53m 58.3s Depth = 24 Kms. (USCGS) Mag. = 5.5 (CGS)							
	SHL	iP	21	03	33	CSW		
	CHA	iP	21	03	49	C	56.5	
		eP		03	50			
		S		11	40			
	BOK	iP	21	04	09	CSW	59.8	
		PP		06	20			
		iS		12	20			
	DDI	iP	21	04	10			
		i		05	08.8			
	CAL	i	21	04	11			
	NDI	eP	21	04	21	CSW	61.2	
		eS		12	40			
	PBA	iP	21	04	42	D		
		e		13	45			
	VIS	eP	21	04	51			
	POO	iP	21	05	21.5	C		
	MDR	eP	21	05	23			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
16 contd.	MDR	eP	21	05	23			
	BOM	eP	21	05	23			
		e		14	47			
	KOD	iP	21	05	45.6	DNE		
	HYD	eS	21	14	14			
16	POO	Pg	22	01	15.5			
		Sg		01	32.0			
16	POO	Pg	22	59	59.0			
		Sg	23	00	14.2			
	BOM	eSn	23	00	25.7			
	KOD	e	23	03	34			
16	POO	Pg	23	55	24.9			
		Sg		55	41.0			
17	EPC: 36.5N, 71.4E - H = 00h 25m 15.1s Depth = 82 Kms. (USCGS) Mag. = 5.2 (CGS)							
17	VIS	e	00	03	00			
	BHK	ePn	00	27	02.0			
		e		28	0.8			
	DDI	iP	00	27	14.1		7.9	
		iS		28	43.6			
	NDI	eP	00	27	25	DW	8.7	
		i		27	27			
		iS		29	02			
	SEH	i	00	28	46			
		i		28	57			
		i		31	31			
	CHA	iP	00	29	03	C	15.7	
		eP		29	04			
		S		31	56			
	BOM	iP	00	29	18	D		
		e		32	41			
	BOK	eP	00	29	19			
		i		32	35			
	POO	eP	00	29	21.0			
		e		32	25.5			
	SHL	iP	00	29	50	CSE		
	CAL	eP	00	29	51		20.8	
		iS		33	36			
	MDR	eP	00	30	32			
		e		35	09			
	KOD	iP	00	30	50	DNE		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
	TRV	e	00	33	57	
				37	23	
17	BOM	e	02	54	06	
17	NDI	e	04	59	05	
17	BOM	e	07	09	02.2	
17	POO	Pg	08	40	59.5	
		Sg		41	15.5	
	BOM	ePn	08	41	09.0	
		i		41	33.1	
	KOD	eS	08	43	57	
17	DDI	eP	09	24	23	
		i		25	08.0	
	NDI	ePn	09	24	24 C	03.8
		iSn		25	04.4	
	BOK	e	09	25	46	
17	POO	Pg	12	04	56.8	
		Sg		05	14.6	
17	NDI	eP	15	07	02	
17	BOK	e	15	38	48	
17	SHL	iP	16	05	13 CS	
	CHA	iP	16	05	53 C	
	DDI	e	16	07	01.3	
17	Epc: 11.6 N, 125.9 E					
	H = 16h 03m 26.9s					
	Depth 3 kms (USCGS)					
	Mag : 5.3 (CGS)					
	SHL	iP	16	10	21 CW	
	CHA	iP	16	11	01 C	
	NDI	eP	16	12	10 D	
	DDI	eP	16	12	10.1	
17	POO	Pg	16	16	30.5	
		Sg		16	46.5	
17	SHL	ePg	16	27	09	1.3
		Sn		27	28	
17	POO	Pg	16	48	28.5	
		Sg		48	43.8	
17	SHL	iP	16	50	55 DSW	
	CHA	iP	16	51	54.4	
		Pg		52	19	
		S		53	01.0	
		SS		53	12.5	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
17	POO	Pg	16	54	47.4	
		Sg		55	01.5	
	BOM	ePn	16	54	55.6	
		iSn		55	18.1	
	DDI	e	16	57	51.1	
		i		58	35.5	
	NDI	e	16	58	15	
17	Epc: 5.8 N, 37.2 E					
	H = 18h 03m 42.6s					
	Depth 19 kms (USCGS).					
17	SHL	iP	18	13	20 C	
17	POO	Sg	20	37	28.0	
17	BOK	e	21	28	44	
17	Epc: 17.33, 73.81 E					
	H = 22h 53m 15.5s					
	Depth 0 km. (New Delhi)					
	Koyna.					
	POO	Pg	22	53	39.0	1.32
		Sg		53	54.7	
	BOM	Pg	22	53	39.0	1.80
		Pg		53	48.7	
		iSg		54	11.1	
	GOA	iPn	22	53	48.0	
		i		54	11.8	
	KOD	eP	22	55	11.5	
		e		56	33	
	MDR	eS	22	56	28	
		i		57	06.7	
	NDI	e	22	58	11	
		e		59	22	
17	BOK	e	22	59	27	
17	PBA	iP	23	30	20.7	0.4
		iS		30	25.7	
18	POO	Pg	00	32	34.8	
		Sg		32	49.8	
18	POO	Pg	01	46	57.0	1.17
		iSg		47	11.8	
18	BOM	iPg	01	47	06.5	1.75
		iSg		47	29.0	
	GOA	ePn	01	47	07.6	1.89
		eSn		47	31.8	
	KOD	ePn	01	48	27	
		e		50	34	

DATE	STN	PHASE	H.	M.	S.	∠ Deg	
18	NDI	eP	01	51	40	C	
18	BOM	i	02	58	00		
18	POO	Sg	04	30	02.5		
18	SHL	eP	05	25	21		
18	BOK	e	08	20	41		
18	POO	Pg	09	00	21.5		
		Sg		00	37		
18	Epc: 12.0°N, 143.8°E - H = 10h 21m 54.7s Depth 39 kms (USCGS) Mag. 5.3 (CGS)						
	SHL	iP	10	30	52	CSW	
18	MDR	eP	10	32	15		
		e		39	23		
	NDI	eP	10	32	25		
	POO	iP	10	32	48.5	C	
18	Epc: 29.1°N, 81.9°E - H = =0h 5=m 34.8s Depth 42 kms (USCGS) Mag. 5.2 (CGS)						
	DDI	eP	10	52	30.6		
	NDI	ePn	10	52	39.3		3.7
		eSn		53	24.7		
	BHK	eP	10	52	55.2		
		e		54	14.8		
	CHA	iP	10	52	56		5.0
		S		53	55		
	BOK	eP	10	53	12		
		i		55	12		
	SHL	iP	10	53	52	DSW	
	VIS	e	10	54	18		
		e		56	58		
	POO	iP	10	54	37	D	
	BOM	eP	10	54	40		12.8
		eS		57	05		
	SEH	e	10	54	47		
	MDR	e	10	55	23		
		eS		58	07		
	KOD	eP	10	56	03		
		e		58	32		
18	Epc: 6.1°S, 153.5°E -H= 12h 27m 38.4s Depth 61 kms (USCGS)						
18	BOM	ePn	10	58	03.4		
		e		58	23.4		
		i		58	29.4		
	TRD	e	11	02	46		
18	SHL	eP	12	38	32		
	POO	Pg	13	12	55.5		
		Sg		13	11.5		
18	Epc: 36.2°N, 111.7°E - H= 14h 07m 39.5s Depth 33 kms (USCGS) Mag. 4.9 (CGS)						
	SHL	iP	14	12	11	D	20.0
		iS		15	51		
	CHA	iP	14	12	49		23.6
		S		16	52		
	BOK	iP	14	13	05	W	25.3
		iS		17	29		
	DDI	eP	14	13	35		
		i		14	55.4		
	NDI	iP	14	13	46	DE	
	MDR	eP	14	14	42		
		e		23	24		
	POO	iP	14	14	53	C	
	KOD	iP	14	15	02.5	NE	
	BOM	e	14	15	04		
		e		16	40		
18	POO	Pg	15	00	24.5		
		Sg		00	40.7		
18	NDI	i	16	34	26		
18	DDI	eP	17	33	23		
		i		35	17		
18	NDI	eP	17	33	40		10.4
		eS		35	38		
		i		35	45		
18	SHL	iP	18	04	01	DSE	
18	CHA	iP	18	04	52	C	
18	POO	Pg	18	11	50.5		
		Sg		12	07		
	BOM	e	18	12	01		
		eSn		12	23.5		
	GOA	eSn	18	12	20		
18	POO	Pg	18	44	04		
		Sg		44	20.5		
18	POO	Sg	19	08	03.3		
18	NDI	iP	19	22	08	D	
18	POO	Sg	20	04	07.5		
18	POO	ePg	20	05	21.2		
		Sg		05	37.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
18	SHL	eP	20	14	41	4.3	
		eS		15	31		
18	EPC: 33.6°N, 46.9E H = 22h 49m 27.6s Depth = 39 Kms. (USCGS) Mag. = 5.0 (CGS)						
	NDI	eP	22	55	01	C	
	SHL	iP	22	56	05	CSE	
	CHA	e	22	56	19		
18	POO	Pg	23	12	50.5		
		Sg		13	05.9		
18	BOM	ePn	23	26	28.0		
		iSn		26	52.0		
18	BOM	iPn	23	51	48.5		
		iSn		52	12.7		
19	BOM	iSn	03	00	11.5		
19	POO	Pg	03	08	28.8		
		Sg		08	44.5		
	BOM	ePn	03	08	39	1.7	
		eSn		09	02		
19	EPC: 37.5N, 72.0E - H = 03h 23m 49.6s Depth = 89 Kms. (USCGS) Mag. 5.5 (CGS)						
	BHK	ePn	03	25	35.2		
		i		26	48.8		
	DDI	eP	03	25	57		
	NDI	iP	03	26	09.8	DN	8.9
		i		26	11		
		i		27	29		
	CHA	eP	03	27	38	15.9	
		S		30	33		
	BOK	iP	03	27	57	E	16.8
		eS		31	02		
	BOM	eP	03	28	03		
		eS		32	39		
	POO	iP	03	28	06.5	C	
		e		31	33.0		
	SHL	iP	03	28	25	CSE	
		i		29	03		
		i		32	08		
	VIS	eP	03	28	43	20.7	
		eS		32	30		
	MDR	eP	03	29	12		
		e		34	09		

DATE	STN	PHASE	HH	M.	S.	∠ Deg.	
19 contd.	KOD	iP	03	29	30	DNE	
	SEH	i	03	29	52		
	CAL	i	03	32	02	W	
19	TRV	e	03	37	34		
		e		38	42		
		e		38	52		
19	POO	Pg	04	16	51.0		
		Sg		17	06.2		
19	NDI	i	04	21	57		
19	POO	Pg	05	20	05.5		
		Sg		20	20.5		
	BOM	iSg	05	20	38.3		
19	POO	i	05	53	33.3		
		iSg		53	50.9		
19	NDI	i	06	04	31		
19	BOK	e	07	48	34		
19	SHL	iP	08	04	34	DNE	
19	BOK	e	08	16	19		
19	NDI	eP	08	41	08		
19	BOK	e	08	44	05		
19	BOK	e	08	51	17		
19	EPC: 28.5S, 71.0W - H = 08h 42m 20.7s Depth = 18 Kms.(USCGS) Mag. 5.3 (CGS)						
	KOD	iPKP	09	01	59.4	NE	
				02	02		
	POO	iPKP	09	02	01.8		
	NDI	iPKP	09	02	16.6	C	
19	POO	Pg	09	02	52.8		
		Sg		03	09.5		
19	BOM	iPn	09	03	02.5	C	
		eSn		03	26.2		
	KOD	e	09	06	26.0		
		e		06	26.3		
19	SHL	eP	10	21	00		
19	POO	Sg	10	44	24.5		
	BOM	iSn	10	44	39.3		
19	POO	Pg	11	18	39.0		
		Sg		18	53.5		
	BOM	ePn	11	18	50.2		
		iSn		19	11.9		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
19 contd.	GOA	ePn	11	18	50.4			
		eSg		19	14.3			
	KOD	e	11	22	12			
19	BOK	e	12	00	03			
19	BOM	ePg	12	30	40.5		0.6	
		iSg		30	41.3			
19	SHL	iPn	14	01	40		DNE	4.4
		iSn		02	34			
19	NDI	eP	14	34	35			
19	BOM	eSn	14	45	45.0			
		i		45	50.3			
19	SHL	iP	14	51	55		D	
19	POO	ePg	14	52	33.0			
		Sg		52	48.5			
19	POO	Pg	15	04	36.5			
		Sg		04	53.0			
	BOM	ePn	15	04	46.2		1.8	
		eSg		05	11.4			
19	CHA	iPg	15	25	45.4		D	1.0
		Sg		25	58.5			
19	SHL	eP	16	06	26			
19	EPC: 17.29N, 73.64E H = 16h 36m 36.0s Depth 16 Kms. (N.Delhi) Koyna							
	POO	Pg	16	37	00.5		1.26	
		Sg		37	16.5			
	GOA	iPn	16	37	06.6		1.80	
		iSn		37	28.6			
	BOM	iPn	16	37	08.8		1.89	
		iSn		37	31.8			
	KOD	iPn	16	38	31.0		7.9	
		eSn		39	52.5			
	MDR	eSn	16	39	50			
		e		40	26			
	VIS	e	16	41	16			
	NDI	eS	16	41	30			
		i		42	44			
19	CHA	e	16	43	42			
19	POO	Pg	18	52	37.0			
		Sg		52	53.8			
	BOM	ePn	18	52	46.5			
		eSn		53	11.4			
19	POO	Pg	22	38	37.4			
		Sg		38	53.4			
19	BOM	ePn	22	38	46.9			
		eSg		39	11.6			
19	NDI	eP	22	48	51			9.0
		iS		50	34			
19	BHK	e	22	49	37.8			
19	CHA	eP	22	50	28			
19	POO	Pg	23	26	14.0			
		Sg		26	30.2			
	BOM	ePn	23	26	28.0			
		Sn		26	52.0			
19	EPC: 17.22N, 73.71 E H = 23h 51m 16.0s Depth 0 Kms.(N.Delhi) KOYNA							
	POO	Pg	23	51	48.8			1.30
		Sg		51	57.4			
	GOA	ePn	23	51	47.5			1.75
		eSg		52	09.7			
	BOM	ePn	23	51	48.5			1.91
		Pg		51	50.7			
		iSg		53	12.7			
	KOD	ePn	23	53	12.1			7.5
		eSn		54	39			
	MDR	eS	23	54	28.6			
		e		55	06.6			
	VIS	e	23	55	09			
		i		55	58			
	CHA	e	23	54	56			
	NDI	eP	23	55	46			
		i		56	25			
		iS		57	23			
	VIS	eP	23	55	57			
19	BOK	e	23	56	54			
20	POO	Sg	00	02	46.4			
20	POO	Pg	00	27	51.2			
		Sg		28	07.2			
20	POO	Sg	00	30	04.0			
20	POO	Sg	01	02	05.0			
20	SHL	iP	01	41	47			
	NDI	eP	01	43	22		C	

DATE	STN	PHASE	H. M. S.	∠ Deg.	
20	BOM	i	02 59 19.2		
20	BOM	iS	03 00 11.5		
20	SHL	iPg	03 02 42	DSW 1.4	
		Sg	03 01		
20	POO	Pg	03 56 16.6		
		Sg	56 33.2		
	BOM	ePn	03 56 24.0		
		iSn	56 49.0		
	KOD	eS	03 59 16		
20	POO	Pg	03 59 37.5		
			59 54.0		
	BOM	iSn	04 00 10.3		
20	NDI	i	04 02 09		
20	POO	Pg	04 24 07.5		
			24 23.4		
20	SHL	ePn	04 29 21		1.3
		Sn	29 39		
20	POO	Pg	04 48 24.5		
		Sg	48 41.2		
	BOM	iPn	04 48 34.2	C	1.7
		eSn	48 57.6		
	KOD	eSn	04 51 22		
20	NDI	i	05 23 23		
20	POO	Sg	05 38 45.3		
20	NDI	i	05 55 09		
		i	55 21		
20	NDI	e	06 13 43		
20	EPC: 5.0S, 144.4E H = 06h 10m 57.4s Depth = 84 Kms. (USCGS) Mag. = 4.7 (CGS)				
	SHL	eP	06 20 54		
	NDI	i	06 22 17		
20	BOM	e	06 36 12.8		
20	BOM	e	06 42 29.6		
20	POO	Sg	07 03 15.8		
		e	03 18.0		
	BOM	ePn	07 03 10.7		1.74
		eSn	03 33.0		
	KOD	e	07 06 40		
20	BOK	e	07 57 33		

DATE	STN	PHASE	H. M. S.	∠ Deg.	
20	BOK	i	08 00 51		
20	POO	Pg	08 34 59.5		
		Sg	35 16.0		
	GOA	ePn	08 35 08.3		
		e	35 28.4		
		i	35 30.4		
	BOM	ePn	08 35 08.6		
		eSn	35 32.1		
	KOD	eS	08 37 57		
		eSg	38 35		
20	BOK	e	08 44 43		
20	EPC: 15.1S, 167.6E - H = 08h 48m 52.3s Depth = 129 Kms. (USCGS) Mag. = 5.1 (CGS)				
20	SHL	iP	09 01 10	CW	
20	BOK	e	09 36 41		
20	POO	Pg	09 43 44.7		
		Sg	43 59.7		
	BOM	ePn	09 43 53.8		1.8
		eSn	44 16.3		
20	BOM	eSn	10 03 13.0		
20	BOM	e	10 05 26.2		
20	BOM	e	10 12 54.2		
20	BOK	e	10 51 50		
20	BOM	i	10 53 08.6		
20	BOM	i	10 53 23.1		
20	POO	Pg	11 15 18.7		
		Sg	15 34.0		
20	POO	ePg	11 20 18.2		
		Sg	20 32.7		
	BOM	ePn	11 20 27.5		1.7
		iSn	20 50.9		
20	EPC: 11.8N, 93.0E - H = 11h 34m 25.9s Depth = 61 Kms. (USCGS) Mag. = 5.4				
	PBA	iPg	11 34 37.0	CSW	1.0
		e Sg	34 50.4		
	VIS	iP	11 37 03	CE	10.7
		iS	39 05		
	CAL	eP	11 37 12		10.7
		eS	39 14.		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
20 contd.	MDR	e	11	37	21	
		i		37	40	
		eS		39	31	
	SHL	iP	11	37	35	DSW
		e		40	16	
	BOK	iP	11	37	37	12.8
		PPP		37	53	
		iS		39	55	
	HYD	e	11	37	54	14.2
		iS		40	31	
		i		41	03	
	KOD	eP	11	38	04	
		i		40	30	
	CHA	iP	11	38	09	N 16.5
		S		41	13	
	TRV	iP	11	38	13	W 17.0
		eS		41	22	
	GOA	e	11	38	45.3	
	SEH	e	11	38	53	
		e		41	58	
	POO	eP	11	38	54	
	BOM	eP	11	39	06	20.2
		iS		42	48	
	NDI	iP	11	39	24	DN 21.6
		iS		43	19	
	DDI	iP	11	39	28	D 22.4
		iS		43	31	
	BHK	e	11	39	50.2	
20	MDR	i	11	50	34	
20	BOM	e	11	52	32	
20	POO	Pg	16	30	10.2	
		Sg		30	26.8	
	BOM	eSn	16	30	41.6	
20	NDI	eP	16	32	19	
		i		36	49	
20	NDI	e	17	13	50	
20	EPC: 15.1S, 167.4E - H = 17h 07m 49.1s Depth = 135 Kms. (USCGS) Mag. = 5.1 (CGS)					
	SHL	iP	17	20	06	
	CHA	iP	17	20	27	D
	NDI	e	17	59	40	
		i		59	57	
		i		00	03	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
20	POO	Sg	18	42	18.0	
	NDI	e	18	47	32	
20	EPC: 6.8S, 153.7E -H = 18h 39m 08.7s Depth = 29 Kms.(USCGS)					
	SHL	iP	18	50	09	D
	NDI	i	18	51	24	
20	POO	Pg	18	55	53.5	
		Sg		56	10.5	
20	POO	eSg	18	58	19.0	
20	SHL	iP	19	54	07	D
20	SHL	iP	20	37	46	DSW
20	NDI	i	22	40	22	
20	NDI	i	23	03	03	C
		i		03	39	
20	NDI	iP	23	38	27.0	DN
		i		40	26	
20	SHL	iP	23	47	28	D
20	POO	Pg	23	57	01.5	
		Sg		57	16.7	
21	NDI	i	00	08	21	
21	SHL	iP	00	17	04	DE
21	NDI	iP	00	31	39.5	CNW
21	EPC: 21.8S, 70.0W - H = 02h 25m 21.6s Depth = 33 Kms. (USCGS) Mag. = 6.3 (CGS)					
	GOA	iPKP	02	44	54.0	
	BOM	iPKP	02	44	56	CE 144.8
		PP		48	17	
		PPP		51	25	
	TRD	PKP	02	44	58	
		i		45	51	
	POO	iPKP	02	45	00.8	
		e	03	01	37	
	KOD	iPKP	02	45	02	D DNE
	NDI	iPKP$_1$	02	45	05	C 149.7
		PKP$_2$		45	16	
	DDI	iPKP	02	45	06	C
		i		47	47	
		i		48	33	
	BHK	ePKP	02	45	09	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
21	MDR	ePKP$_1$	02	45	09			
contd.		PKP2		45	18			
		i		47	22			
	SEH	ePKP	02	45	14			
		i		45	52			
		e		56	02			
	CHA	iPKP	02	45	21	C		
		i		45	59			
	SHL	iPKP	02	45	22	CE		
		e		50	00			
	PBA	iPKP	02	45	27			
		e		56	52			
	CAL	i	02	45	27			
		e		56	47			
21	SHL	eP	03	42	47			
21	NDI	e	04	43	42			
21	BHK	iPn	05	05	18		1.4	
		Sn		05	39.3			
	DDI	eP	05	05	45.7			
		i		06	28.2			
	NDI	ePn	05	06	05.7			
		e		06	43.5			
	KOD	iS	05	12	04.7	N		
21	NDI	eP	05	37	21	D		
		i		38	06			
		e		40	47			
21	NDI	e	05	50	16			
21	NDI	e	06	07	09			
21	NDI	eP	06	29	40			
		e		31	10			
		i		32	19			
	DDI	i	06	31	20			
21	BOM	iP	06	44	56.8	E		
21	SHL	ePg	07	17	02	DS	1.4	
		eSg		17	21			
21	BOM	e	07	33	44			
21	EPC: 16.4S, 72.6W - H = 07h 50m 34.8s Depth = 99 Kms.(USCGS) Mag. = 5.0 (CGS)							
	POO	iPKP	08	10	11.5	D		
	NDI	ePKP	08	10	12			

DATE	STN	PHASE	H.	M.	S.	∠ Deg.		
21	DDI	eP	08	10	12.0			
contd.		i		10	38.5			
	SHL	ePKP	08	10	26			
21	BOK	e	08	29	32			
21	BOK	e	09	16	17			
21	BOK	e	09	34	07			
21	SHL	eP	10	46	37			
21	SHL	iPg	10	53	43	DS	1.4	
		iSg		54	03			
21	SHL	iP	11	56	54	C		
21	POO	Pg	12	52	17.5			
		Sg		52	33.5			
21	POO	Sg	13	08	19.2			
21	POO	Pg	13	13	33.9			
		Sg		13	50.0			
	BOM	ePn	13	13	44.6			
		eSn		14	07.6			
21	POO	Sg	13	23	20.2			
21	POO	Sg	14	35	51.2			
21	NDI	iP	14	50	39.2	C	8.4	
		eS		52	16			
		i		52	22			
	CHA	eP	14	52	15			
21	BOM	e	16	12	-			
21	EPC: 49.2N, 156.2E -H = 16h 03m 20.5s Depth = 44 Kms. (USCGS) Mag. = 4.5 (CGS)							
	SHL	iP	16	12	45	CSW		
	CHA	eP	16	13	03			
	NDI	eP	16	13	36			
	POO	iP	16	14	38.5	NE		
21	EPC: 49.1N, 156.2E - H = 16h 12m 30.7s Depth = 53 Kms.(USCGS) Mag. = 4.8 (CGS)							
21	SHL	iP	16	21	55	CN		
21	CHA	iP	16	22	10	C		
	NDI	eP	16	22	46			
	POO	iP	16	23	47.0	D		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
21	EPC: 49.2N, 156.2E - H = 16h 16m 41.0s Depth = 49 Kms.(USCGS) Mag. = 4.5 (CGS)						
	SHL	iP	16	26	05	C	
	POO	iP	16	27	57.7	D	
21	NDI	eP	18	05	35		
21	CHA	iP	19	59	59	D	
21	NDI	i	20	01	07		
21	SHL	iP	20	03	19	DE	
21	CHA	iP	20	03	47	C	
21	NDI	iP	20	04	35	C	
21	NDI	i	22	08	51		
21	POO	ePg	22	42	02.2		
		Sg		42	18.2		
21	POO	Pg	22	53	04.7		
		Sg		53	23.0		
21	BOM	iPn	22	59	35.0		
		iSn	23	00	02.0		
21	EPC: 11.8N, 93.1E - H = 23h 43m 11.4s Depth = 33 Kms. (USCGS) Mag. = 5.0 (CGS)						
	VIS	iP	23	45	52	CE	
	MDR	e	23	46	09		
		eS		48	17		
	CAL	eP	23	46	12		
		e		47	58		
	SHL	iP	23	46	24	DSW	
	BOK	eP	23	46	29		12.0
		iS		48	45		
	KOD	eP	23	46	47	N	13.8
		iS		49	18.0		
	TRD	eP	23	46	56		15.8
		eS		49	52		
	CHA	iP	23	47	00	C	
	GOA	eP	23	47	34		
	POO	iP	23	47	41.5	D	18.5
		S		51	05		
	BOM	e	23	47	58		
		i		48	08		
		eS		51	30		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
21 contd.	NDI	eP	23	48	10	CNE	22.4
		PP		48	39		
		i		52	10		
		S		52	13		
	DDI	iP	23	48	18	D	
	BHK	eP	23	53	14		
22	BOM	e	00	01	27		
22	NDI	i	00	20	32		
22	POO	Sg	00	35	15.5		
22	SHL	eP	00	51	15		
22	PBA	iPg	00	52	13.0		0.7
		iSg		52	21.4		
22	EPC: 17.34N, 73.76E - H = 01h 06m 11.3s (N.Delhi) KOYNA						
	POO	Pg	01	06	34.8		1.23
		Sg		06	50.4		
	BOM	ePn	01	06	45		1.7
		eSn		07	08		
	KOD	e	01	09	05.5		
22	BOM	i	02	54	58.5		
22	BOM	e	02	55	32.5		
22	POO	Sg	03	10	18.0		
22	KOD	i	04	15	09.3		
22	POO	Sg	04	28	21.0		
22	SHL	eP	04	41	51		
22	POO	Pg	05	19	31.5		
		Sg		19	47.5		
22	KOD	iP	07	57	17.0	SE	
		i		57	16.5		
22	BOK	e	08	29	53		
22	BOM	e	08	31	48.6		
	POO	Sg	08	32	09.4		
22	BOM	ePn	08	54	51.1		
	BOM	ePn	08	55	28.6		
		eSn		55	48.9		
22	BOK	e	08	59	42		
22	BOK	e	10	26	51		
22	POO	Sg	12	12	14.4		
22	SHL	ePg	12	32	05		1.1
		eSg		32	33		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
22		EPC: 7.6S, 156.1E					
		- H = 12h 43m 45.3s					
		Depth = 55 Kms. (USCGS)					
		Mag. = 4.9 (CGS)					
	SHL	iP	12	54	55		CW
	NDI	eP	12	56	10		D
22	NDI	eP	13	08	54		D
22	SHL	eP	14	30	22		
22	BOM	e	15	56	32		
22		EPC: 17.28N, 73.76E					
		- H = 16h 22m 33.4s					
		Depth 0 Km. (N.Delhi)					
		KOYNA					
	POO	Pg	16	22	57.6		1.26
		Sg		23	13.6		
	GOA	ePg	16	23	07.0		
		e		23	28.0		
	BOM	ePn	16	23	07.0		1.75
		eSn		23	30.8		
	KOD	ePn	16	24	29		
		eSn		25	57		
22	POO	ePg	18	46	52.5		
		Sg		47	07.5		
22	SHL	iP	20	26	50		C
22	POO	ePg	20	50	15.5		
		Sg		50	31.7		
	BOM	iSn	20	50	45.8		
22	SHL	eP	21	30	49		
22	BOM	ePn	23	00	18.5		
		eSn		00	40.1		
22	NDI	eP	23	27	40		D
23	SHL	eP	00	09	19		
23	NDI	iP	00	27	13.2	DNW	8.0
		S		28	45		
23	POO	Sg	00	53	37.0		
23		EPC: 9.9S, 74.7W					
		- H = 02h 40m 08.3s					
		Depth = 126 Kms. (USCGS)					
		Mag. = 5.1 (CGS)					
	NDI	ePKP	02	59	38		C
		i		59	51		
23	NDI	e	04	37	16		
23	POO	Sg	04	37	56.8		
	NDI	i	04	46	03		
23	NDI	eP	05	27	26		21.8
		iS		31	23		
23	POO	iPg	06	04	42.8	D	
		Sg		04	56.5		
	BOM	ePn	06	04	52.1		1.6
		eSn		05	14.3		
	GOA	ePn	06	04	55.8		
		eSn		05	20.3		
	KOD	eSn	06	07	48.5		
		eSg		08	29		
23	NDI	e	06	10	25		
23	POO	Sg	06	46	26.2		
23	POO	Sg	07	00	42.9		
23	BOK	e	07	02	06		
23	NDI	eP	07	59	41		
23	NDI	i	08	10	08		
23	BOK	e	08	25	21		
23	BOK	e	08	38	37		
23	BOM	e	09	41	11		
23	NDI	e	10	40	15		
23	NDI	e	10	54	27		
23	NDI	e	11	28	26		
23	NDI	eP	12	18	46		
23		EPC: 5.2S, 151.8E					
		- H = 13h 23m 15.0s					
		Depth = 61 Kms.(USCGS)					
		Mag. = 5.5 (CGS)					
	SHL	iP	13	33	55		
	MDR	eP	13	34	41		
	KOD	iP	13	34	55.0	SE	
	NDI	iP	13	35	13.5	CW	81.7
		eS		45	26		
	POO	iP	13	35	20.4	C	
	BOM	eP	13	35	26		81.0
		eS		45	32		
23	BOM	e	14	23	16.4		
23	POO	Pg	14	35	03.0		
				35	17.5		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
23 contd.	BOM	eSn	14	35	34.3	
23	POO	Pg	15	14	42.6	
		Sg		14	57.5	
23	POO	Sg	15	29	09.7	
23	POO	Sg	15	37	17.5	
23	MDR	Sg	15	56	44	
		e		56	49	
23	EPC: 48.2N, 157.3E - H = 16h 04m 37.9s Depth = 26 Kms. (USCGS) Mag. = 5.1 (CGS)					
23	SHL	iP	16	14	09	D
	POO	iP	16	16	01.5	C
23	SHL	iP	16	44	55.	CSE
	CHA	eP	16	45	24.4	4.6
		PP		45	29.9	
		PPP		45	43.0	
		S		46	18.5	
23	EPC: 11.0N, 125.5E - H = 17h 14m 37.6s Depth = 154 Kms. (USCGS) Mag. = 5.3 (CGS)					
	SHL	iP	17	21	14	DSE
	CHA	eP	17	21	51	D
23	MDR	eP	17	22	33	
		e		22	52	
	POO	iP	17	23	18.5	C
23	SHL	iP	21	41	39	DW
23	SHL	iP	23	33	16	
23	POO	Pg	23	40	18.5	
		Sg		40	34.5	
23	POO	Sg	23	55	07.5	
24	POO	Pg	03	42	16.0	
		Sg		42	31.5	
24	BOM	ePn	03	42	26.9	
		iSg		42	49.6	
	KOD	eSn	03	45	18	
24	POO	Pg	04	23	32.7	
		Sg		23	48.5	
	BOM	ePn	04	23	41.9	
		eSn		24	05.9	
	KOD	eSn	04	26	32	
		eSg		27	07	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
24	POO	Sg	05	17	11.2	
24	BOM	i	05	54	50.6	
24	NDI	e	06	30	24	
24	NDI	i	06	35	29	
24	POO	Pg	07	08	18.7	
		Sg		08	37.0	
24	NDI	e	07	37	54	
24	HYD	e	08	07	24	
24	NDI	eP	08	28	29	
24	EPC: 54.5N, 142.5E - H = 08h 34m 13.5s Depth = 33 Kms.(USCGS) Mag. = 5.0 (CGS)					
	SHL	iP	08	42	43	CNE
	CHA	iP	08	42	58	D
		e		50	31	
	POO	eP	08	44	38	
24	NDI	e	08	53	21	
24	MDR	e	09	05	47	
		e		09	16	
24	BOM	e	09	19	15.7	
24	POO	Sg	09	42	44.5	
24	PBA	ePg	09	32	07.6	0.7
		eSg		32	16.6	
24	SHL	iP	09	34	59	
24	NDI	i	09	36	21.5	
24	MDR	e	09	36	39	
24	NDI	e	09	41	45	
24	POO	Pg	10	08	02.5	
		Sg		08	18.6	
	POO	Sg	10	13	20.7	
		Sg		13	36.8	
24	NDI	e	11	49	09	
24	NDI	eP	12	04	23.2	
		i		06	02.0	
		e		07	42	
24	NDI	e	12	27	21	
24	SHL	eP	13	51	47	
24	SHL	eP	13	58	20	DSE
	CHA	iP	13	59	20	C
24	NDI	e	14	01	22	

DATE	STN	PHASE	H. M. S.	∠ Deg.
	POO	eP	14 02 08	
24	NDI	eP	14 04 09	
24	POO	Sg	15 22 17.5	
24	NDI	i	15 03 34	
24	POO	Pg	16 02 26.5	
		Sg	02 43.5	
	MDR	e	16 06 07	
		e	06 20	
24	CHA	iPn	16 26 29 C	2.5
		Sn	17 00	
24	POO	Sg	18 10 05.2	
24	HYD	M	19 09 35	
24	Epc: 17.4 N, 61.1 W H = 20h 03m 10.9s Depth 24 (USCGS), Mag. 6.4 (CGS).			
24	POO	ePKP	20 22 08	
		e	32 20	
	CHA	iPKP	20 22 14.5 C	
		e	24 24.4	
	BOM	ePKP	20 22 20	
		e	28 25	
	SHL	iPKP	20 22 21	
	KOD	iPKP	20 22 22.5 CNW	
	VIS	ePKP	20 22 24	
	MDR	ePKP	20 22 25	
		PP	24 46	
24	PBA	ePKP	20 22 42	
		e	25 44	
	CAL	i	20 25 51	
24	BOM	e	21 15 46	
24	Epc: 17.4 N, 61.3 W H = 21h 32m 31.3 Depth 20 kms (USCGS) Mag: 5.9 (CGS).			
	POO	ePKP	21 51 30	
	CAL	iPKP	21 51 36 D	
	SHL	iPKP	21 51 42 DSW	
	KOD	iPKP	21 51 43.5 D	
		i	55 09.5	
	HYD	ePKP	21 51 46	
		e	53 07	
	MDR	ePKP	21 51 46	
24	POO	Pg	23 24 28.2	
		e	24 41.2	
	BOM	ePn	23 24 37	1.7
		iSn	25 01	
	GOA	ePn	23 24 41.2	
		eSn	25 07.2	
	KOD	eP	23 26 04	
24	KOD	eS	23 27 15	
	MDR	e	27 21.1	
24	Epc: 17.35 N, 73.71 H = 23h 49m 51s (New Delhi). Mag: 5.8 (N.Delhi) Koyna. (Epc: 17.5 N, 73.9 E H = 23h 49m 59.9s. Depth 33 km. (USCGS). Mag: 5.5 (CGS))			
	POO	iPg	23 50 14.2 D	
		Sg	50 30.8	
	GOA	iPn	23 50 21.4 C	
		iSn	50 43.0	
	BOM	iPn	23 50 22.6 SED	1.8
		eSn	50 46.3	
	GOA	ePn	23 50 23.8	1.6
		eSn	50 45.6	
	SEH	iPn	23 51 29	6.4
		iSn	52 43.8	
		Sg	53 18.8	
	MDR	ePn	23 51 43.1	
		iSn	53 02.9	
		Sn	53 40.3	
	KOD	ePn	23 51 45 N	
		i	52 04.5	
		iS	53 12.0	
		iSg	53 48	
	VIS	eP	23 52 02	8.6
			53 41	
	NDI	iP	23 52 37.6	10.9
		iS	24 41.5	
	DDI	eP	23 53 01.9	
		e	56 52.4	
	BHK	eP	23 53 12.0	
		e	57 12.3	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
	CAL	i	23	53	23	
		e		57	24	
	CHA	i	23	53	29 C	
		i		57	28	
		i		58	01	
	SHL	i	23	54	09 CNE	
	PBA	eP	23	54	24	
		eS		57	42	
	TOK	e	00	00	01	
25	POO	Pg	00	05	32.5	
		Sg		05	48.5	
	BOM	iPn	00	05	42 C	1.8
		iSn		06	06	
	MDR	eS	00	08	59.4	
	KOD	eS	00	09	07	
25	POO	Pg	00	16	10.0	
		Sg		16	26.0	
		i		26	27.7	
	GOA	ePn	00	16	17.6	
		eSn	16	40		
	BOM	ePn	00	16	19	1.8
		eSn			43	
	KOD	eSn	00	19	09.5	
		iSg		19	42.5	
	MDR	e	00	19	35.4	
25	BOM	ePn	00	27	08	1.5
		eSn			28	
	GOA	eSg	00	27	34.7	
25	POO	iPg	00	48	00.7	
		Sg		48	16.5	
	GOA	Pn	00	48	07.2	1.6
		eSn		48	29.2	
	BOM	iPn	00	48	08.8 D	1.9
		i		48	34.5	
	KOD	ePn	00	49	34	
		eSn		50	59	
	MDR	eS	00	50	48.7	
25	POO	Pg	01	07	43.7	
		Sg		08	00.0	
	BOM	ePn	01	07	53	1.9
		eSn		08	18	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
25	Epc: 5.3 S, 153.7 E					
	H = 01h 23m 33.6s					
	Depth 64 kms (USCGS).					
	PBA	iP	01	33	56	63.0
		PP		35	52	
		PPP		37	44	
		iS		42	26	
		SS		46	33	
	SHL	iP	01	34	25 CNW	
	CAL	iP	01	34	42 SW	68.3
		iS		43	43	
	CHA	iP	01	34	53 CNW	61.2
		PcP		35	09	
		S		43	12	
	BOK	iP	01	34	54	71,8
		PP		37	40	
		iS		44	14	
	VIS	iP	01	34	59 DE	72.2
		iPP		37	44	
		iS		44	21	
	MDR	iP	01	35	12 CE	75.0
		PP		38	04	
		i		43	02	
		iS		44	50	
		SKS		45	17	
	KOD	iP	01	35	24.3 CNW	76.6
		iS		45	10.0	
	SEH	iP	01	35	38 NE	79.2
		i		35	53	
		eS		45	38	
	GOA	iP	01	35	47	81.2
		iS		45	57	
	NDI	iP	01	35	41.9	79.2
		iS		45	41.9	
	DDI	iP	01	35	42 C	79.6
		iS		45	44	
	BHK	iP	01	35	49	83.2
		eSKS		46	09	
	POO	iP	01	35	49.5	82.0
		eSKS		46	02	
	BOM	e	01	35	55 CNW	
		PP		38	59	
		i S		46	02	

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
25	MDR	e	02	22	32		
25	HYD	M	02	43	19		
25	KOD	iP	02	50	31.0		CSW
		e			31.0		
25	POO	Pg	03	22	03.5		
		Sg		22	19.9		
25	SHL	iP	03	37	06		CW
25	MDR	e	03	57	15		
		e		57	24		
25	POO	Pg	04	10	24.8		
		Sg(?)		10	35.6		
		i		10	44.8		
	BOM	iPn	04	10	35.2		D
		iSn(?)		10	52.2		
	GOA	ePn	04	10	47.8		
				11	13.8		
	KOD	ePn	04	12	10.5		
		i		13	57		
	MDR	e	04	14	06		
	BOK	e	04	16	39		
25	POO	Pg	04	14	15.0		
		Sg		14	25.5		
	BOM	iPn	04	14	25.8		D
		i		14	39.2		
		iSn		14	44.2		
	GOA	ePn	04	14	36.7		
				15	04.6		
	KOD	ePn	04	16	08		
		eS		17	30		
	NDI	eP	04	16	39		
		eS		18	40		
	MDR	eSn	04	17	19		
	BOK	e	04	19	19		
25	SHL	iP	04	57	12		D
25	NDI	e	04	58	20		
25	BOM	i	05	31	06.3		
		i		31	18.3		
		i		31	36.3		
25	POO	Pg	06	21	25.5		
		Sg		21	44.0		
25	POO	Pg	06	54	38.1		
		Sg		54	54.6		
	BOM	ePn	06	54	46.6		
		e		55	12.6		
25	POO	Pg	07	01	20.0		
		Sg		01	35.5		
25	POO	Sg	07	15	21.3		
25	POO	Sg	08	45	30.5		
25	POO	Pg	08	49	03.2		
		Sg		49	19.5		
	GOA	Pn	08	49	12.3		
		Sn		49	33.2		
	BOM	ePn	08	49	12.8		
		iSn		49	35.5		
	KOD	eSn	08	52	03		
		eSn		52	37		
	MDR	e	08	52	30.7		
25	SHL	iP	09	11	52		D
25	BOK	e	09	18	05		
25	Epc: 5.2 S, 154.0 E H = 09h 29m 29.3s. Depth 101 kms. (USCGS). Mag: 4.7 (CGS).						
	SHL	iP	09	40	16		CSW
	BOK	e	09	50	30		
	BOK	e	10	17	09		
25	CHA	ePn	10	20	01.8		20
		eSn		20	27.8		
25	BOK	e	10	20	40		
25	SHL	eP	10	20	57		
25	NDI	ePn	10	21	19.0		5.32
		Pg		21	39.8		
		Sn		22	22.2		
	POO	iP	10	22	41.0		C
		S		25	11.0		
25	Epc: 5.4 S, 153.9 E H = 10h 23m 55.4s depth = 46 kms. (USCGS). Mag: 4.8 (CGS).						
	SHL	iP	10	34	48		C

DATE	STN	PHASE	H.	M.	S.	∠	KM.
25		Epc: 21.5 S, 70.4 W					
		H = 10h 41m 31.6s					
		depth 53 km.(USCGS).					
		Mag: 5.8 (CGS).					
	GOA	ePKP	11	01	05		
	BOM	ePKP	11	01	06		
		i		01	21.6		
	POO	iPKP	11	01	07.5	D	
	TRD	iPKP	11	01	08	E	
	NDI	ePKP	11	01	13	D	
		e		05	04		
		e		11	39		
	BHK	ePKP	11	01	13.5		
	MDR	ePKP	11	01	14		
		e		11	44		
	DDI	ePKP	11	01	14.3		
	BOK	i	11	01	24		
	SHL	iPKP	11	01	30		
		Epc: 4.9 S, 153.9 E					
		H = 11h 41m 24.8s					
		Depth 95 kms (USCGS)					
		Mag: 4.5 (CGS).					
	SHL	iP	11	52	12		
	NDI	eP	11	53	28		
	POO	eP	11	53	36		
	HYD	e	12	01	18		
		Epc: 4.9 S, 153.7 E					
		H = 12h 09m 38.4s					
		Depth 104 (USCGS).					
		Mag: 5.1 (CGS).					
	SHL	iP	12	20	23	CNW	
	CHA	iP	12	20	53	D	
	MDR	eP	12	21	11		
		e		21	38		
		e		30	45		
	NDI	iP	12	21	41		
		i		22	08		
	POO	iP	12	21	48.5	C	
		e		22	16.5		
	BOM	eP	12	21	53		
		e		22	20		
25	NDI	eP	13	17	30		10.5
		iS		19	29		
25	POO	Pg	13	40	15.0		
		Sg		40	29.2		
	BOM	ePn	13	40	25.3		
		eSn			.47.3		
	GOA	eSg	13	40	53.0		
25	SHL	ePg	13	53	33		1.3
		eSg		53	52		
25	POO	Pg	14	19	18.8		
		Sg		19	35.2		
	GOA	ePn	14	19	26.6		
		eSn		19	48.3		
	BOM	iPn	14	19	28.1		
		eSn		19	51.6		
25	POO	Sg	14	48	16.9		
25	POO	Sg	14	53	49.4		
25	BOM	ePn	15	08	27.1		
		e		08	47.4		
25	SHL	eP	15	10	29		
25	POO	Pg	15	42	33.0		
		Sg		42	49.3		
25	POO	Sg	17	14	14.7		
25	POO	Pg	17	19	21.9		
		Sg		19	37.6		
25	MDR	eP	17	23	11		50.2
		eS		30	23		
	POO	iP	17	23	50.6	D	
25	POO	ePg	17	29	29.7		
		Sg		29	45.8		
25	BOM	e	17	37	38.1		
		e		38	01.1		
		e		38	04.3		
25		Epc: 17.2 N, 73.9 E					
		H = 17h 37m 39.1s					
		Depth 33 km. (USCGS).					
		Mag: 5.1 (CGS) Koyna					
	POO	iPg	17	38	0.7	D	
	Goa	ePn	17	38	07.3		1.9
		Sn		38	29.3		
	BOM	iPn	17	38	09.6	D	
		iSn		38	31.0		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
	SEH	eSn	17	40	29.6		
		iSg		41	03.0		
	MDR	ePn	17	39	27.5		
		eSn		40	48.7		
		Sg		41	26.2		
	KOD	iP	17	39	31.0	D	
		iS		40	58		
		iSg		41	33.5		
	VIS	eP	17	39	47		
		eS		41	23		
	NDI	eP	17	40	23.5	CN	
		eS		42	30		
	TRD	e	17	40	26.6		
		eS		42	04.6		
	BOK	eP	17	40	42		
		iS		44	18		
	DDI	eP	17	40	48.9		
		i		44	54.0		
	CHA	iP	17	41	15	C	
		i		46	00		
	SHL	eP	17	41	57		
	HYD	e	17	42	13		
	BHK	e	17	44	15.4		
	CAL	iS	17	45	16		
	TOK	e	17	48	50.4		
25	POO	Pg	18	00	02.5		
	GOA	ePn	18	00	09.5		1.6
		eSn		00	31.4		
	BOM	iPn	18	00	11.1	D	
		eSn	00	00	32.3		
	KOD	ePn	18	01	34.0		
		eSn	00	02	59.5		
		iSg		03	34.0		
	MDR	Sn	18	02	46.5		
	NDI	iP	18	02	25.2		
		iS		04	33.0		
	SEH	iSg	18	03	04.8		
	SHL	eP	18	04	00		
	TRD	i	18	04	20		
	BOK	eSn	18	04	59		
		i		06	20		

DATE	STN	PHASE	H.	M.	S.	∠ Deg.	
	CHA	e	18	06	10	D	
	CAL	i	18	07	19	NE	
25	POO	Pg	18	26	13.0		
		Sg		26	29.3		
25	POO	Pg	18	51	41.5		
		Sg		51	57.5		
	GOA	ePn	18	51	48.3		
		iSn		52	10.3		
	BOM	ePn	18	51	48.9		
		eSn		52	11.7		
	KOD	e	18	54	39.5		
		i		55	15		
	MDR	e	18	55	06		
		e		55	11		
	NDI	e	18	57	25		
25	Epc: 5.2 S, 154.0 E H = 18h 52m 04.2s Depth 119 km. (USCGS). Mag: 5.1 (CGS).						
25	SHL	eP	19	02	51		
25	POO	ePg	19	14	06.0		
		Sg		14	21.5		
25	POO	Pg	19	42	05.7		
		Sg		42	23.4		
	BOM	ePn	19	42	15.9		
	KOD	eSn		42	39.8		
	KOD	e	19	45	39		
25	Epc: 5.0 N, 153.7 E H = 19h 49m 52.3s Depth 103 kms. (USCGS). Mag: 4.5 (CGS).						
	SHL	iP	20	00	38	CSE	
	CHA	iP	20	01	07	C	
	NDI	iP	20	01	07	C	
	NDI	iP	20	01	56		
25	POO	Sg	20	39	16.0		
25	POO	iP	21	32	40.5	C	
	NDI	eP	21	32	57		
25	CHA	iPn	22	12	39.2		1.6
		Sn		13	01.0		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.
25	NDI	ePn	22	15	26.6	0.14
		iSg		15	28.4	
25	SHL	iP	22	23	27 DSE	
25	Epc: 5.2 S, 153.6 E H = 22h 18m 23.1s. Depth 69 kms. (USCGS).					
	SHL	eP	22	29	13	
25	POO	Pg	22	39	54.0	
		Sg		40	10.0	
	BOM	ePn	22	40	04.0	1.7
		eSn			27.0	
25	CHA	eP	22	58	41	
25	SHL	eP	22	58	47	
26	NDI	ePn	02	10	45.6	3.2
		eSn		11	25	
26	NDI	ePn	02	27	43.0	1.49
		eSn		28	03.5	
26	BOM	e	04	23	56.2	
		eSn		24	11.0	
26	Epc: 5.0 S, 153.9 E H = 05h 24m 32.8s Depth 111 kms (USCGS) Mag : 4.9 (CGS).					
	SHL	iP	05	35	19 CSW	
26	POO	iPg	06	27	02.6	
		Sg		27	17.7	
	BOM	ePn	06	27	12.3	
		eSn		27	34.8	
		Sg		27	36.2	
	GOA	ePn	06	27	14.0	
		eSn		27	36.2	
	KOD	eS	06	30	10	
		iSg		30	44	
	MDR	e	06	30	33	
	NDI	i	06	32	45	
26	Epc: 5.1 S, 153.7 E H = 08h 52m 42.3s. Depth 59 kms. (USCGS). Mag: 5.2 (CGS).					
	SHL	iP	09	03	33 CSW	
	CHA	iP	09	04	01 D	
		e		13	18	
	VIS	eP	09	04	07	
	MDR	eP	09	04	21	74.3
		eS		13	55	
	KOD	iP	09	04	34 CN	
	NDI	iP	09	04	49.3 C	
	POO	iP	09	04	57.7 C	
	BOM	iP	09	05	03 CW	82.0
		eS		15	17	
26	SHL	iP	10	15	40 C	
26	POO	Pg	13	50	52.5	
		Sg		51	07.5	
	BOM	ePn	13	51	03	1.7
		eSn		51	27	
26	BOM	ePg	15	38	39.8	
		iSg		38	41.3	
26	POO	Pg	18	08	06.0	
		Sg		08	22.0	
	BOM	ePn	18	08	16.6	
		eSn		08	38.1	
	KOD	e	18	11	45	
26	BOM	ePn	20	21	11.3	
		e		21	31.9	
	SHL	iP	22	34	47 C	
	NDI	e	22	51	47	
26	POO	Pg	23	21	38.0	
		Sg		21	53.2	
27	NDI	e	00	47	03	
27	NDI	e	02	07	49.8	
27	Epc: 5.2 S, 154.0 E H = 02h 11m 26.5 Depth 113 kms (USCGS).					
	SHL	iP	02	22	13 CSE	
27	NDI	eP	03	03	59.0	8.5
		iS		05	36.4	
	SHL	eP	03	05	39	
27	Epc: 1.5 N, 126.2 E H = 03h 11m 50.8s Depth 33 kms (USCGS).					
	SHL	iP	03	19	31 DE	
	NDI	i	03	19	41.5	

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
27	POO	iPg	03	26	22.1	D	
		Sg		26	35.5		
		i		26	38.4		
	BOM	ePn	03	26	30.7		
		iSn		26	52.0		
27	Epc: 5.0 S, 153.7 E H = 04h 28m 21.3s Depth 130 kms (USCGS). Mag: 4.9 (CGS).						
	SHL	iP	04	39	03	CSW	
	BOK	i	04	39	34		
27	MDR	eP	04	39	51		
		e		49	59		
	NDI	eP	04	40	22	DE	
	POO	iP	04	40	29.5		
27	KOD	iP	04	40	31	DNE	
27	NDI	i	04	48	27		
27	NDI	i	04	49	24		
27	GOA	ePn	05	23	19.3		
		eSn		23	40.7		
27	POO	ePg	05	26	49.9		
		Sg		27	04.5		
	BOM	ePn	05	26	59.8		
		eSn		27	21.0		
		eSg		27	22.5		
	KOD	e	05	30	27		
27	POO	Sg	05	28	05.5		
27	POO	Pg	05	53	11.7		
		Sg		53	27.6		
	BOM	ePn	05	53	20.1		
		eSn		53	41.5		
	KOD	eS	05	56	09		
		iSg		56	47		
	MDR	e	05	56	37		
	BOK	e	05	58	03		
	NDI	e	05	58	55		
27	NDI	i	06	08	59		
27	NDI	i	07	10	09		

DATE	STN	PHASE	H.	M.	S.	Δ Deg.	
27	POO	Pg	07	16	25.8		
		Sg		16	40.9		
	BOM	ePn	07	16	35.4		
		eSg		16	58.9		
27	SHL	iP	07	37	38	DNW	
27	BOK	e	08	36	05		
		e		37	36		
27	Epc: 21.2 S, 68.3 W H = 09h 17m 55.7s Depth 135 kms (USCGS). Mag: 6.4 (CGS).						
	BOM	iPKP	09	37	11	DNW	
		ePP		40	25		
	GOA	ePKP	09	37	11		
	TRV	iPKP	09	37	15	W	
		i		37	50		
		e		40	32		
	POO	iPKP	09	37	16.0	D	
	KOD	iPKP	09	37	20	DSW	
		i		47	22		
	BHK	iPKP	09	37	21	DNW	
	NDI	iPKP	09	37	24.6	DW	80.9
		PP		40	30		
		e		47	32.8		
	DDI	ePKP	09	37	26		
	MDR	iPKP	09	37	26	D	
		i		47	41		
		e		51	27		
	CHA	iPKP	09	37	28		
		e		48	24		
	VIS	iPKP	09	37	32		
		ePP		41	04		
		e		48	02		
	BOK	iPKP	09	37	35		
		PP		41	10		
		i		48	16		
	PBA	iPKP	09	37	41	CE	
		e		48	42		
	CAL	i	09	37	44	E	
	HYD	e	09	37	44		

DATE	STN	PHASE	H.	M.	S.		Δ Deg.
27	NDI	i	10	13	36		
27	NDI	i	12	16	09.5		
27	Epc: 3.5 S, 141.3 E H = 14h 39m 08.5s. Depth 36 kms (USCGS). Mag: 5.1 (CGS).						
	SHL	iP	14	48	43	CW	
	NDI	e	14	49	19		
	CHA	iP	19	49	19	D	
	BOK	eP	14	49	20		
		i		57	35		
	KOD	iP	14	49	48.5	CNE	
	NDI	eP	14	50	15		
	POO	iP	14	50	19.2	C	
27	Epc: 4.6 S, 153.4 E H = 14h 47m 18.1s Depth 143 kms (USCGS).						
	SHL	iP	14	57	54	C	
	CHA	iP	14	58	26	C	
27	NDI	eP	15	14	41		
		i		15	35		
27	POO	Pg	15	38	34.6		
		Sg		38	50.8		
	GOA	ePn	15	38	40.0		
		eSn		39	01.8.		
	BOM	ePn	15	38	44.3	D	1.8
		iSn		39	08.0		
	KOD	eS	15	41	31		
		Sg		42	11		
27	Epc: 22.3 S, 174.8 W H = 16h 22m 48.5s. Depth = 33kms (USCGS). Mag: 6.1 (CGS).						
	MDR	eP	16	35	00		
	SHL	iP	16	36	00		
	PBA	eP	16	36	32		
		i		46	56		
	BOK	eP	16	37	11		
		i		47	45		
	CHA	e	16	37	12		
		e		47	43		
	NDI	iPKP	16	41	29.5		
		iSKS		48	18		
	POO	iPKP	16	41	30.5	C	
	BOM	ePKP	16	41	38		
		e		52	21		
	CAL	iSKS	16	47	35	W	
	HYD	e	17	01	09		
27	MDR	eP	17	56	26		
		e	18	29	39		
27	SHL	ePg	18	14	33		1.4
		eSg		14	51		
27	NDI	eP	18	17	49		
		i		18	43.5		
27	NDI	i	19	32	12		
27	NDI	i	19	33	27		
27	CHA	iPg	19	57	02.1	D	
27	SHL	eP	22	25	36		
27	CHA	e	22	29	18		
27	SHL	iP	22	29	39		
27	SHL	eP	22	48	58		
28	POO	iPg	00	19	42.3		
		Sg		19	56.5		
	GOA	ePn	00	19	50.0		
		eSn		20	10.6		
	BOM	iPn	00	19	51.8	D	1.8
		eSn		20	15.1		
	KOD	eS	00	22	41		
		Sg		23	18		
	NDI	e	00	25	35		
	BOK	e	00	25	57		
28	POO	iPg	00	42	09.5		
		Sg		42	25.5		
	GOA	e	00	42	18		
		eSn		42	38		
	BOM	ePn	00	42	19.1		
		iSg		42	43.1		
	KOD	ePn	00	43	41	C	
		eSn		45	06		
		iSg		45	44.0		

DATE	STN	PHASE	H.	M.	S.		∠ Deg.
	MDR	e	00	45	38		
	NDI	iP	00	47	51		
28	SHL	iP	01	14	55	DNW	2.0
		eS		15	21		
28	NDI	i	02	32	13		
28	NDI	e	02	45	11		
28	P00	Pg	06	30	02.3		
		Sg		30	16.5		
	BOM	iPn	06	30	12.2		
		iSn		30	34.9		
	KOD	e	06	33	38		
28	BOK	e	06	51	10		
28	KOD	eP	07	19	11.6	DSW	
28	MDR	e	07	20	37		
28	BOM	e	07	22	-		
28	NDI	i	08	56	51		
28	P00	Pg	08	49	29.5		
		Sg		49	46.0		
28	BOK	e	08	56	56		
28	BOK	e	09	12	54		
28	BOM	ePn	09	18	17.6		
		eSn		18	38.0		
28	P00	Pg	09	23	04.7		
		Sg		23	21.5		
	BOM	ePg	09	23	18		
		eSg		23	39		
	BOK	e	09	33	23		
	SHL	i	09	37	10	C	
28	NDI	ePg	10	28	06.3	NE	0.2
		iSg		28	08.9		
28	NDI	i	10	29	18		
28	NDI	i	10	29	41		
	BOK	e	10	31	54		
28	NDI	i	10	32	52		
28	NDI	e	10	35	34		
28	NDI	e	10	37	20		
28	P00	Pg	10	48	42.5		
		Sg		48	56.2		
	BOM	ePn	10	48	49.4		
		eSn		49	12.7		
	KOD	eSg	10	52	16		
28	NDI	e	11	25	20		
28	SHL	iP	12	48	21	CE	
28	NDI	iP	12	51	00		
28	KOD	iP	12	51	01	DSE	
28	P00	Pg	12	51	09.0		
		Sg		51	25.5		
	BOM	ePn	12	51	19.1		1.8
		eSn		51	43.1		
	KOD	eSg	12	54	43.5		
28	NDI	i	13	37	20		
		i		37	28		
28	Epc: 4.6 S, 153.7 E H = 13h 29m 24.9s Depth 144 kms (USCGS). Mag: 4.8 (CGS).						
	SHL	iP	13	40	06	D	
28	Epc: 4.9 S, 153.9 E H = 15h 45m 40.6s Depth 118 kms (USCGS). Mag: 5.1 (CGS).						
	SHL	iP	15	56	25	CNE	
28	SHL	iP	16	40	39	DSE	
28	P00	Pg	17	18	29.5		
		Sg		18	45.2		
	BOM	ePn	17	18	37.9		
		eSn		19	04.2		
28	SHL	iP	17	52	52	DNE	
	NDI	i	17	55	49		
28	PBA	ePg	18	35	17.0		0.7
		iSg		35	26.0		
28	NDI	i	19	12	43		
28	Epc: 37.2 N, 71.8 E H = 20h 15m 48.6s Depth 156 kms (USCGS) Mag: 4.7 (CGS).						
	BHK	eP	20	17	27.0		6.7
		eS		18	43.0		

DATE	STN	PHASE	H.	M.	S.	/ Deg.
	NDI	eP	20	18	03	8.3
		eS	19	19	35	
		i		19	43	
	CHA	iP	20	19	31 D	16.3
		i		19	35	
		S		22	27	
	BOK	e	20	19	50	
	POO	iP	20	19	58.0	
	SHL	iP	20	20	16 DNW	
	VIS	e	20	24	30	
	KOD	e	20	26	29.2 W	
28	POO	Pg	00	01	38.0	
		Sg		01	53.5	
29	SHL	eP	00	26	21	1.6
		eS		26	43	
29	NDI	i	00	41	29	
29	POO	Pg	03	49	49.7	
		Sg		50	14.8	
	BOM	eSn	03	50	32.4	
29	NDI	ePg	04	10	11 D	0.25
		iSg		10	13.7	
29	Epc: 5.7S, 153.6 E H = 05h 10m 26.1s Depth 69 kms (USCGS). Mag: 4.6 (CGS).					
	SHL	iP	05	21	17 CSW	
	NDI	e	05	22	35	
29	Epc: 36.3 N. 70.2 E H = 06h 24m 50.3s. Depth 230 kms (USCGS). Mag: 4.7 (CGS).					
	NDI	iP	06	27	04.4 DNW	
		iS		28	46	
	BHK	e	06	27	51.0	
	SHL	iP	06	29	21 CNE	
29	BOK	e	08	16	44	
29	BOK	e	08	53	53	
29	BOK	e	09	05	11	
29	BOK	e	09	08	10	
29	BOK	e	09	41	50	
29	POO	Sg	10	17	08.0	
29	POO	Pg	10	40	36.8	
		Sg		40	53.0	
	BOM	ePn	10	40	46.0	
		eSn		41	09.0	
	KOD	eSn	10	43	35	
29	POO	Sg	11	34	34	
29	SHL	iP	12	46	23 CNE	
29	POO	Sg	12	48	03.5	
29	BHK	e	14	56	57.0	
		i		57	18.6	
	DDI	eP	14	57	01.8	
		i		57	53.6	
		i		58	31.1	
29	NDI	ePn	14	57	22 CN	4.7
		iSn		58	17.7	
	CHA	iP	14	58	46 C	10.7
		iS	15	00	48	
	SHL	iP	14	59	35 C	
	BOK	e	15	01	20	
29	SHL	ePg	15	20	00	1.4
		eSg		20	19	
29	POO	Pg	18	34	23.5	
		Sg			38.0	
	BOM	ePn	18	34	33.8	
		e Sg		34	56.2	
	KOD	eSg	18	38	08	
29	POO	iPg	18	57	18.7	
		iSg		57	35.7	
		i		57	38.0	
	GOA	ePn	18	57	26.4	
		eSn		57	48.8	
	BOM	ePn	18	57	28.9	
		iSn		57	53.2	
	KOD	eSg	19	00	54	
29	CHA	iP	19	58	59 C	
29	BOK	e	20	48	09	
29	Epc: 22.8°S, 175.3°W H = 20h 29m 32.2s Depth 30 kms (USCGS). Mag: 5.3 (CGS).					

DATE	STN	PHASE	H.	M.	S.	/ Deg.	
	NDI	ePKP	20	48	15		
29	POO	Pg	20	54	04.8		
		Sg		54	18.8		
	BOM	ePn	20	54	14.3		
		eSn		54	37.8		
	KOD	eSg	20	57	49		
	MDR	e	20	57	51		
29	KOD	iP	21	07	48.6	CNE	
		i			48.2		
		i			48.0		
	NDI	i	21	08	23		
29	POO	Sg	22	26	48.5		
29	BOK	e	22	31	15		
29	NDI	eP	23	15	36		
				17	20		
29	POO	eSn	23	25	38.7		
29	POO	Pg	23	27	04.0		
		Sg		27	19.7		
	BOM	eSg	23	27	38.6		
	KOD	eSg	23	30	41		
30	Epc: 3.1 N, 126.5 E H = 00h 07m 12.5s. Depth 33 kms (USCGS). Mag: 5.2 (CGS).						
	SHL	iP	00	14	46	C	
	KOD	iP	00	15	58.0	DSE	
	NDI	iP	00	16	28.7	D	
	POO	eP	00	16	32		
30	NDI	iP	02	31	02.5	CE	18.2
		i		31	05.7		
		iS		34	24		
30	KOD	iP	02	33	57	DSW	
30	NDI	e	03	06	42		
30	SHL	iP	04	04	22	D	
30	NDI	e	04	05	59		
30	Epc: 44.7 N, 12.2 E H = 04h 19m 21.2s Depth 33 kms (USCGS). Mag: 5.3 (CGS).						
	NDI	iP	04	28	41		
	BOK	eP	04	29	44		
	SHL	iP	04	30	04	C	
30	SHL	iP	05	17	38	DSW	
	NDI	e	05	18	55		
30	NDI	e	05	32	08		
		i		32	10		
30	BOM	ePn	05	38	21.4		
		eSn		38	43.1		
30	BOM	e	05	40	20.1		
30	BOM	ePn	05	41	51.6		
		eSn		42	14.8		
30	BOM	ePn	05	44	04.6		
		eSn		44	25.1		
		i		44	38.3		
30	POO	iPg	08	26	42.2		
		Sg		26	58.5		
	BOM	eSn	08	27	15.9		
30	POO	Sg	10	12	57.7		
		i		12	59.9		
30	PBA	iPg	10	11	20.7	C	0.4
		iSg		11	26.3		
30	Epc: 31.7 N, 86.8 E H = 12h 36m 55.8s Depth 24 kms (USCGS). Mag: 4.9 (CGS).						
	CHA	iP	12	38	14.4	D	
		e		39	39		
	SHL	iP	12	38	47	C	
	BOK	e	12	38	56		
	NDI	eP	12	39	05		
		i		40	48		
		i		41	58		
	CAL	i	12	42	14	NE	
	VIS	e S	12	42	42		
		e		44	26		
30	POO	iPg	12	44	04.7		
		Sg		44	20.0		
	BOM	ePn	12	44	14.4		1.7
		eSn			37.4		

DATE	STN	PHASE	H.	M.	S.	/	Deg.
	KOD	e	12	47	21		
		eSg		47	40		
	MDR	e	12	47	34.2		
30	NDI	i	13	24	14		
30	CHA	iP	17	03	12.6	C	5.3
		eS		04	14.6		
30	NDI	ePn	23	35	55		3.2
		iSn		36	34.3		
30	CHA	iP	23	36	34.2	D	
		S		37	41.5		
30	SHL	ePg	23	59	36	C	1.3
		eSg		59	55		
31	BHK	iPg	00	24	12.4	CSE	0.45
		iSg		24	18.2		
	NDI	ePn	00	24	55.9		3.0
		iSn		25	33.5		
	BOK	e	00	28	23		
31	SHL	eP	02	41	13		
31	BOM	e	02	55	-		
31	SHL	eP	06	40	43		
31	NDI	i	07	07	59		
31	NDI	i	08	51	54		
		?		52	01		
31	NDI	i	13	34	28		
31	NDI	eP	14	05	50		7.2
		eS		07	13		
31	Epc: 7.1 S. 154.7 E H = 13h 59m 13.8s. Depth 59 kms (USCGS). Mag: 4.6 (CGS).						
	SHL	iP	14	10	17		
	CHA	e	14	10	42		
31	Epc: 7.1 S, 154.8 E H = 15h 05m 32.3s. Depth 19 kms (USCGS). Mag: 5.4 (CGS).						
	SHL	iP	15	16	40		

DATE	STN	PHASE	H.	M.	S.	/	Deg.
31	BOK	eP	15	17	07		
	CHA	iP	15	17	08	C	
	KOD	iP	15	17	46	D	
	NDI	eP	15	17	56		
	BOM	eP	15	18	24		
		e		28	25		
	MDR	eS	15	27	12		
31	BOM	ePn	18	01	08		1.6
		eSn			30		
	KOD	eSn	18	35	55.5		
		iSg		04	32		
	MDR	e	18	04	22.6		
31	NDI	i	19	39	44		
31	NDI	e	20	06	37		
31	GOA	ePn	20	29	04.5		
		eSn		29	28.2		
	BOM	ePn	20	29	06		1.8
		eSn		29	30		
	KOD	eSn	21	31	54		
		iSg		32	31		
	MDR	e	20	32	21		
	NDI	eS	20	34	35		
31	BOM	ePn	23	09	31		1.8
		eSn			55		
31	BOM	ePn	23	27	27		1.8
		eSn			51		

.....

List of felt earthquake report received from voluntary observers.

SN.	Station	Date (GMT)	Time (GMT)	No. of shocks	Duration in secs.	Intensity in M.M. Scale	Remarks
1.	Shillong	10.12.67	18-45	One	10	IV	
2.	Kolhapur	10.12.67	23-00	One	40	VI-VII.	
3.	Mahabub Nagar (A.P.).	10.12.67	23-00	One	1	V	
4.	Vengivila	10.12.67	22-57	One	60	V	
5.	Sambri (Belgaum)	10.12.67	22-54	One	60	V-VI	Coming from west.
6.	Aurangabad	10.12.67	22-50	One	60	IV	
7.	Kanwar	10.12.67	22-50	One	30	VI	North.
8.	Bhir	10.12.67	22-59	One	60	V	
9.	Honavar (WK)	10.12.67	22-55	One	15	V	North.
10.	Poona	10.12.67	22-50	One	60	VI	East.
11.	Vengurla	11.12.67	20-50	One	15	V	
12.	Shillong	17.12.67	17-00	One	6	IV	
13.	Vengurla	23.12.67	23-53	One	3	III	
14.	Sambre (Belgium)	25.12.67	17-40	One	4	IV	

contd.of page 10:

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
10	NDI	eP	23	20	22.8	10.8
		eS		31	23	

...Contd.of page 15:

DATE	STN	PHASE	H.	M.	S.	∠ Deg.
11	EPC: 17.46°N, 73.87 E - H = 09h 12m 12.0s (N.Delhi) Mag. = 5.2 (GBD) KOYNA					
	POO	Pg	09	12	33.5	1.10
		Pn		12	36.3	
		Sg		12	47.3	
	BOM	ePn	09	12	43.7	1.68
		Pg		12	45.0	
		eSg		13	05.0	
	GOA	Pn	09	12	47.3	1.98
		eSg		13	13.7	

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOKARO				
01	00	3	0.1	5.0
	06	3	0.1	4.6
	12	3	0.2	4.7
	18	3	0.3	4.9
02	00	3	0.3	4.9
	06	3	0.3	4.6
	12	3	0.3	5.2
	18	3	0.3	5.0
03	00	3	0.3	5.4
	06	3	0.3	5.6
	12	3	0.2	4.9
	18	3	0.2	4.3
04	00	3	0.3	5.1
	06	3	0.2	3.9
	12	3	0.3	5.2
	18	3	0.2	4.6
05	00	3	0.1	4.1
	06	3	0.2	4.2
	12	3	0.2	4.7
	18	3	0.2	4.7
06	00	3	0.2	4.2
	06	3	0.3	3.5
	12	3	0.3	3.5
	18	3	0.2	3.9
07	00	3	0.3	3.3
	06	3	0.2	4.0
	12	3	0.2	4.5
	18	3	0.2	4.4
08	00	3	0.2	4.0
	06	3	0.3	3.6
	12	3	0.3	4.3
	18	3	0.3	3.7
09	00	3	0.3	3.8
	06	3	0.3	3.8
	12	3	0.2	4.2
	18	3	0.3	3.8
10	00	3	0.3	3.7
	06	3	0.2	3.8
	12	3	0.2	3.2
	18	3	0.2	3.4
11	00	...	-	-
	06	3	0.1	3.0
	12	3	0.1	3.1
	18	3	0.1	3.0
12	00	3	0.1	3.1
	06	3	0.2	3.7
	12	3	0.2	4.2
	18	3	0.2	4.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : BOKARO				
13	00	3	0.2	5.0
	06	3	0.3	4.8
	12	3	0.2	4.5
	18	3	0.2	4.6
14	00	3	0.2	5.0
	06	...	-	-
	12	3	0.2	4.8
	18	3	0.2	4.9
15	00	3	0.3	5.2
	06	...	-	-
	12	3	0.3	4.6
	18	3	0.3	4.9
16	00	3	0.3	5.0
	06	3	0.3	5.3
	12	3	0.3	5.6
	18	3	0.3	5.5
17	00	3	0.3	5.1
	06	3	0.3	5.3
	12	3	0.3	5.2
	18	...	-	-
18	00	3	0.3	5.1
	06	3	0.3	4.5
	12	3	0.3	5.2
	18	3	0.2	4.7
19	00	3	0.2	5.1
	06	3	0.2	5.0
	12	3	0.2	4.7
	18	3	0.2	4.8
20	00	...	-	-
	06	3	0.2	4.6
	12	...	-	-
	18	3	0.3	5.0
21	00	3	0.3	5.0
	06	3	0.2	4.6
	12	3	0.2	5.1
	18	3	0.3	5.4
22	00	...	-	-
	06	3	0.2	5.4
	12	3	0.3	5.5
	18	3	0.3	5.5
23	00	3	0.2	5.0
	06	3	0.2	5.0
	12	3	0.2	5.1
	18	3	0.2	4.9
24	00	3	0.2	5.3
	06	3	0.2	4.8
	12	3	0.2	5.6
	18	3	0.1	4.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
BOKARO contd...				
25	00	...	-	-
	06	3	0.1	4.8
	12	...	-	-
	18	...	-	-
26	00	3	0.2	5.4
	06	3	0.1	4.2
	12	3	0.2	5.1
	18	3	0.2	4.5
27	00	3	0.2	4.8
	06	...	-	-
	12	3	0.1	4.4
	18	...	-	-
28	00	3	0.1	4.2
	06	3	0.2	4.8
	12	3	0.2	5.0
	18	3	0.2	4.4
29	00	3	0.1	4.8
	06	3	0.2	4.2
	12	3	0.2	4.7
	18	3	0.2	4.4
30	00	3	0.1	4.4
	06	3	0.2	4.4
	12	3	0.3	4.4
31	00	3	0.2	4.5
	06	3	0.1	3.9
	12	3	0.1	3.6
	18	3	0.1	4.4
STATION : BOMBAY				
01	00	3	0.3	4.0
			0.3	3.0
	06	3	0.3	4.5
			0.2	2.1
	12	3	0.3	4.8
			0.2	2.0
	18	3	0.3	4.6
			0.2	1.8
02	00	3	0.3	3.9
			0.3	1.8
	06	3	0.3	5.7
			0.3	3.9
			0.3	2.0
	12	3	0.3	5.8
			0.3	4.0
	18	3	0.3	5.8
			0.3	4.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
BOMBAY.....contd..				
03	00	3	0.3	4.1
			0.3	2.0
	06	3	0.3	3.9
			0.3	1.9
	12	3	0.3	3.9
			0.3	2.0
	18	3	0.3	4.0
			0.3	1.9
04	00	3	0.3	3.9
			0.3	2.0
	06	3	0.3	3.7
			0.3	2.0
	12	3	0.3	4.0
			0.3	3.0
			0.3	2.0
	18	3	0.3	4.0
			0.3	3.0
			0.3	2.0
05	00	3	0.3	4.0
			0.3	3.0
			0.2	2.0
	06	3	0.3	3.9
			0.3	3.0
			0.2	2.0
	12	3	0.4	3.8
			0.3	3.0
	18	3	0.5	3.9
			0.4	3.1
06	00	3	0.7	3.8
			0.3	3.1
			0.3	2.0
	06	3	0.5	3.8
			0.3	1.9
	12	3	0.9	3.7
			0.3	2.2
	18	3	0.9	4.0
			0.5	3.0
			0.3	2.0
07	00	3	0.9	4.1
			0.3	2.1
	06	3	0.9	3.8
			0.5	3.0
	12	3	1.2	4.0
			0.5	3.1
	18	3	1.3	3.9
			0.5	3.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : BOMBAY contd...				
08	00	1	1.3	4.0
	06	1	1.3	3.9
	12	3	1.1	3.8
			0.3	3.1
	18	3	0.9	3.9
			0.4	3.1
09	00	3	0.5	3.8
			0.4	3.0
	06	2	0.5	3.7
	12	2	0.5	3.6
	18	3	0.5	3.6
			0.3	3.1
10	00	3	0.4	3.5
			0.4	3.0
	06	2	0.3	3.5
			0.3	3.0
	12	3	0.3	3.0
	18	3	0.3	3.0
11	Loss of Record Charts from 10/11 to 13/14 December sent to DGO, New Delhi as per Meteors T/P date 15-12-67			
14	00	-	-	-
	06	3	0.3	6.9
			0.3	4.0
	12	2	0.4	7.2
	18	3	0.4	6.4
			0.3	4.2
			0.2	1.8
15	00	3	0.5	6.8
			0.2	1.7
	06	3	0.5	7.6
			0.2	1.8
	12	3	0.4	7.0
			0.3	2.4
	18	3	0.5	6.2
			0.2	2.2
16	00	3	0.5	6.0
			0.3	4.0
			0.2	2.0
	06	3	0.5	5.8
			0.3	4.0
			0.3	1.8
	12	3	0.5	5.4
			0.5	4.0
			0.3	2.0
	18	3	0.5	4.1
			0.3	1.8

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : BOMBAY contd...				
17	00	3	0.5	4.0
			0.3	1.8
	06	3	0.3	4.0
			0.3	2.1
	12	3	0.3	2.7
			0.3	2.0
	18	3	0.3	4.9
			0.3	2.1
18	00	3	0.3	5.8
			0.3	2.0
	06	3	0.3	6.9
			0.4	3.9
			0.3	2.0
	12	3	0.3	4.1
			0.3	2.3
	18	3	0.3	4.1
			0.3	2.0
19	00	3	0.3	4.1
			0.3	2.0
	06	3	0.3	4.0
			0.3	2.0
	12	3	0.3	4.0
			0.3	2.0
	18	3	0.3	4.1
			0.3	1.9
20	00	3	0.4	4.0
			0.3	2.0
	06	3	0.3	4.0
			0.3	1.9
	Shock in progress			
	18	3	0.3	4.8
			0.3	3.8
			0.3	2.1
21	00	3	0.3	4.8
			0.3	4.0
			0.3	2.0
	06	3	0.3	4.0
			0.2	2.2
	12	3	0.3	4.9
			0.2	1.9
	18	3	0.4	5.9
			0.3	4.1
			0.2	2.0
22	00	Shock in progress		
	06	3	0.3	6.0
			0.3	3.9
			0.3	2.0
	12	3	0.3	6.0
			0.3	4.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : BOMBAY contd...				
22 contd.	18	3	0.3	6.0
			0.3	4.0
			0.3	2.0
23	00	3	0.4	5.9
			0.3	4.0
			0.3	2.0
	06	3	0.4	5.9
			0.3	2.3
	12	3	0.3	6.0
			0.3	4.0
			0.3	2.0
	18	3	0.3	6.0
			0.3	4.0
24	00	3	0.3	5.9
			0.3	4.0
	06	3	0.3	6.0
			0.3	4.0
	12	3	0.3	5.9
			0.3	4.0
	18	3	0.4	6.0
			0.3	4.0
25	00	Shock in progress		
	06	3	0.4	6.0
			0.3	3.9
			0.3	2.1
	12	Shock in progress		
	18	Shock in progress		
26	00	3	0.4	6.0
			0.3	4.0
			0.3	2.2
	06	3	0.3	5.9
			0.3	4.0
	12	3	0.3	6.0
			0.3	4.1
			0.3	2.2
	18	3	0.4	6.0
			0.3	4.0
			0.3	2.0
27	00	3	0.5	4.1
			0.4	2.1
	06	3	0.4	3.9
			0.2	2.0
	12	3	0.4	4.1
			0.3	2.0
	18	Surface waves		
28	00	3	0.5	4.0
			0.3	2.0
	06	3	0.5	4.1
			0.2	2.0
	12	3	0.4	3.9
			0.3	2.0
	18	3	0.3	3.8
			0.3	2.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : BOMBAY contd...				
29	00	3	0.3	3.8
			0.3	2.0
	06	3	0.3	4.0
			0.3	1.9
	12	3	0.3	4.0
			0.3	2.0
	18	3	0.3	4.1
			0.3	2.0
30	00	3	0.3	4.2
			0.3	2.0
	06	3	0.3	2.5
			0.2	1.9
	12	3	0.4	4.1
			0.3	2.6
	18	3	0.4	2.7
			0.2	1.6
31	00	3	0.3	2.4
			0.2	1.9
	06	3	0.4	2.9
	12	3	0.4	2.9
			0.2	1.8
	18	3	0.3	2.9
STATION : CALCUTTA				
01	00	3	5.6	0.4
	06	3	4.0	0.8
	12	3	4.2	0.9
	18	3	4.0	0.8
02	00	3	4.0	0.8
	06	3	4.8	0.9
	12	3	4.6	0.8
	18	3	5.0	0.8
03	00	3	5.2	0.9
	06	3	4.0	0.7
	12	3	3.8	0.6
	18	3	3.8	0.6
04	00	3	4.0	0.6
	06	3	4.0	0.6
	12	3	3.8	0.5
	18	3	4.0	0.6
05	00	3	4.0	0.5
	06	3	3.8	0.5
	12	3	4.0	0.7
	18	3	4.0	0.9
06	00	3	3.8	0.6
	06	3	3.8	0.9
	12	3	3.6	0.6
	18	3	4.0	0.6

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : CALCUTTA				
07	00	3	3.8	0.7
	06	3	4.0	1.0
	12	3	4.0	0.6
	18	3	4.0	0.6
08	00	3	4.0	0.7
	06	3	3.8	0.9
	12	3	3.8	0.5
	18	3	4.0	0.7
09	00	3	4.0	0.9
	06	3	3.8	0.5
	12	3	3.6	0.5
	18	3	3.6	0.4
10	00	3	3.8	0.5
	06	3	3.2	0.9
	12	3	3.2	0.8
	18	3	3.0	0.7
11	00	...	Shock	
	06	3	2.6	0.6
	12	3	3.0	0.6
	18	3	3.0	0.8
12	00	3	3.2	0.8
	06	3	4.0	0.8
	12	3	4.0	0.4
	18	3	4.2	0.6
13	00	3	4.0	0.5
	06	3	4.0	0.8
	12	3	4.0	0.4
	18	3	4.0	0.6
14	00	3	4.0	0.5
	06	3	5.0	0.4
	12	3	4.2	0.4
	18	3	4.0	0.5
15	00	3	4.2	0.4
	06	3	6.0	0.9
	12	3	5.6	1.1
	18	3	5.8	1.2
16	00	3	5.0	0.8
	06	3	6.0	0.5
	12	3	5.8	0.4
	18	3	5.4	0.6
17	00	3	4.8	0.8
	06	3	4.0	0.6
	12	3	5.2	0.4
	18	3	5.0	0.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : CALCUTTA				
18	00	3	4.0	0.6
	06	3	4.2	0.4
	12	3	5.0	0.8
	18	3	4.4	0.6
19	00	3	4.4	0.6
	06	3	4.0	0.4
	12	3	4.0	0.7
	18	3	4.0	0.6
20	00	3	4.0	0.5
	06	3	4.2	0.6
	12	...	Shock	
	18	3	5.0	0.6
21	00	3	4.6	0.7
	06	3	4.0	0.4
	12	3	4.0	0.5
	18	3	4.0	0.8
22	00	...	Shock	
	06	3	4.2	0.4
	12	3	4.0	0.5
	18	3	4.0	0.4
23	00	3	4.2	0.6
	06	3	4.0	0.5
	12	3	4.2	0.4
	18	3	4.0	0.4
24	00	3	4.0	0.6
	06	3	4.2	0.5
	12	3	4.2	0.5
	18	3	4.6	0.6
24	00	...		
	06	3	4.2	0.5
	12	3	4.0	0.5
	18	...	Shock	
26	00	3	4.2	0.4
	06	3	4.0	0.5
	12	3	4.0	0.4
	18	3	4.2	0.4
27	00	3	4.4	0.5
	06	3	4.0	0.4
	12	3	4.2	0.3
	18	3	4.0	0.4
28	00	3	4.0	0.4
	06	3	4.2	0.4
	12	3	4.4	0.4
	18	3	4.2	0.5

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : CALCUTTA				
29	00	3	4.2	0.3
	06	3	4.0	0.4
	12	3	4.2	0.4
	18	3	4.2	0.4
30	00	3	4.0	0.5
	06	3	4.0	0.4
	12	3	3.8	0.3
	18	3	3.8	0.4
31	00	3	4.0	0.4
	06	3	3.8	0.4
	12	3	3.8	0.4
	18	3	4.0	0.3
STATION : GOA				
01	00	3	0.2	3.0
	06	3	0.5	2.8
	12	3	0.4	2.8
	18	3	0.4	2.8
02	00	3	0.6	2.8
	06	3	0.6	2.8
	12	3	0.5	3.0
	18	3	0.5	3.4
03	00	3	0.4	3.2
	06	3	0.4	2.8
	12	3	0.4	2.8
	18	3	0.4	3.0
04	00	3	0.3	3.0
	06	3	0.3	2.8
	12	3	0.3	3.2
	18	3	0.3	2.9
05	00	3	0.3	3.4
	06	...	-	-
	12	3	0.5	3.4
	18	3	0.5	3.0
06	00	3	0.6	3.4
	06	3	0.5	3.2
	12	3	0.5	3.2
	18	3	0.5	3.2
07	00	3	0.6	3.2
	06	3	0.6	3.2
	12	3	0.6	3.4
	18	3	0.9	3.6
08	00	3	0.9	3.6
	06	3	0.5	3.6
	12	3	0.7	3.2
	18	3	0.6	3.4

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : GOA				
09	00	3	0.7	3.4
	06	3	0.6	3.2
	12	3	0.6	3.2
	18	3	0.5	3.4
10	00	3	0.5	3.0
	06	3	0.7	3.0
	12	3	0.5	3.0
	18	3	0.6	3.0
11	00	...	-	-
	06	3	0.5	3.0
	12	3	0.6	2.8
	18	3	0.6	3.0
12	00	3	0.6	3.8
	06	3	0.4	2.8
	12	3	0.4	3.0
	18	3	0.5	3.0
13	00	3	0.5	3.0
	06	...	-	-
	12	3	0.5	3.4
	18	3	0.5	3.2
14	00	3	0.5	3.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
15	00	...	-	-
	06	...	-	-
	12	3	0.6	3.8
	18	...	-	-
16	00	3	0.7	3.8
	06	3	0.5	3.6
	12	3	0.6	3.2
	18	3	0.7	4.0
17	00	3	0.5	3.8
	06	...	-	-
	12	...	-	-
	18	3	0.5	3.2
18	00	3	0.5	3.0
	06	3	0.6	3.0
	12	...	-	-
	18	3	0.5	3.0
19	00	3	0.5	3.0
	06	...	-	-
	12	3	0.4	3.0
	18	3	0.4	3.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : GOA				
20	00	3	0.4	3.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
21	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	3	0.4	3.2
22	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	3	0.5	3.0
23	00	3	0.4	3.2
	06	...	-	-
	12	...	-	-
	18	...	-	-
24	00	...	-	-
	06	3	0.4	3.2
	12	3	0.4	3.0
	18	3	0.4	3.4
25	00	...	-	-
	06	3	0.3	2.2
	12	3	0.2	2.2
	18	...	-	-
26	00	3	0.2	2.8
	06	3	0.4	3.2
	12	3	0.4	3.4
	18	3	0.4	3.0
27	00	3	0.2	2.8
	06	3	0.5	3.0
	12	3	0.5	3.0
	18	...	-	-
28	00	3	0.5	3.0
	06	3	0.5	3.6
	12	3	0.4	3.2
	18	3	0.5	3.4
29	00	3	0.5	3.2
	06	3	0.4	3.4
	12	...	-	-
	18	3	0.4	3.0
30	00	3	0.4	3.2
	06	...	-	-
	12	...	-	-
	18	...	-	-
31	00	...	-	-
	06	3	0.4	2.8
	12	3	0.5	2.8
	18	3	0.5	2.8

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : MADRAS				
01	00	2	0.4	3.0
	03	2	0.4	3.0
	06	2	0.4	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
02	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.4	3.0
	18	2	0.3	3.0
03	00	2	0.4	3.1
	03	2	0.3	3.0
	06	2	0.4	3.0
	12	2	0.4	3.1
	18	2	0.5	3.2
04	00	2	0.5	3.4
	03	2	0.5	3.1
	06	2	0.5	3.2
	12	2	0.6	3.0
	18	2	0.7	3.0
05	00	2	0.7	3.0
	03	2	0.7	3.1
	06	2	0.7	3.1
	09	1	0.7	3.1
	12	1	0.8	3.4
	15	1	1.0	3.7
	18	1	1.1	3.8
	21	1	1.2	3.9
06	00	1	1.2	3.5
	03	1	1.4	3.5
	06	1	1.4	3.5
	09	1	1.3	3.5
	12	1	1.4	3.9
	15	1	1.4	3.9
	18	1	1.6	3.8
	21	1	1.6	3.9
07	00	1	1.7	4.0
	03	1	1.8	3.9
	06	...	No Record	
	09	1	2.1	4.1
	12	1	2.1	4.1
	15	1	2.2	4.1
	18	1	2.5	4.0
	21	1	2.9	4.0
08	00	1	3.0	4.1
	03	1	3.6	4.0
	06	1	3.1	4.0
	09	1	2.6	4.0
	12	1	2.3	3.8
	15	1	2.0	3.7

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
Station : MADRAS				
08 contd.	18	1	1.8	3.6
	21	1	1.7	3.5
09	00	1	1.5	3.4
	03	1	1.6	3.5
	06	1	1.6	3.7
	09	1	1.6	3.5
	12	1	1.4	3.5
	15	1	1.3	3.5
	18	1	1.3	3.3
	21	1	1.1	3.2
10	00	1	1.0	3.2
	03	1	1.0	3.2
	06	1	0.8	3.1
	12	2	0.5	3.1
	18	2	0.4	3.1
11	00	...	No record	
	03	...	No record	
	06	2	0.4	3.1
	12	2	0.3	3.1
	18	2	0.4	3.0
12	00	2	0.3	3.0
	03	2	0.3	3.1
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
13	00	2	0.3	3.0
	03	2	0.4	3.2
	06	2	0.4	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
14	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
15	00	2	0.3	3.0
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.0
	18	2	0.3	3.0
16	00	2	0.3	3.1
	03	2	0.3	3.0
	06	2	0.3	3.3
	12	2	0.3	3.1
	18	2	0.3	3.3
17	00	2	0.3	3.1
	03	2	0.3	3.0
	06	2	0.3	3.0
17 contd.	12	2	0.3	3.1
	18	2	0.3	4.7
		2	0.3	3.0
18	00	2	0.3	4.7
		2	0.3	3.1
	03	2	0.3	3.0
	06	2	0.3	3.0
	12	2	0.3	3.1
	18	2	0.3	3.2
19	00	2	0.3	3.2
	03	2	0.3	3.2
	06	2	0.2	3.2
	12	2	0.2	3.1
	18	2	0.3	3.1
20	00	2	0.2	3.1
	03	2	0.2	3.1
	06	2	0.2	3.1
	12	...	Earthquake	
	18	2	0.3	5.3
		2	0.2	3.1
21	00	2	0.3	5.2
		2	0.2	3.0
	03	...	Earthquake	
	06	2	0.2	3.0
	12	2	0.2	3.0
	18	2	0.2	3.0
22	00	...	Earthquake	
	03	2	0.2	3.0
	06	2	0.2	2.6
	12	2	0.2	2.9
	18	3	0.2	2.1
23	00	2	0.2	2.9
	03	2	0.2	2.7
	06	2	0.2	2.6
	12	2	0.2	2.6
	18	2	0.2	2.7
24	00	2	0.2	2.8
	03	2	0.2	2.7
	06	2	0.2	2.6
	12	2	0.2	2.6
	18	2	0.2	2.7
25	00	...	Earthquake	
	03	...	Earthquake	
	06	2	0.2	2.7
	12	2	0.2	2.6
	18	...	Earthquake	
26	00	2	0.2	2.6
	03	2	0.2	2.6

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : MADRAS				
26	06	2	0.2	2.5
contd.	12	2	0.2	2.5
	18	2	0.2	2.9
27	00	2	0.2	2.7
	03	2	0.2	2.9
	06	2	0.2	2.9
	12	2	0.3	2.9
	18	2	0.3	2.9
28	00	2	0.3	3.1
	03	2	0.3	3.1
	06	2	0.3	3.1
	12	2	0.4	4.3
		2	0.2	3.1
	18	2	0.4	4.6
		2	0.2	3.0
29	00	2	0.4	4.4
		2	0.2	3.0
	03	2	0.4	4.3
		2	0.2	3.1
	06	2	0.4	4.5
		2	0.2	3.0
	12	2	0.4	4.5
	18	2	0.4	4.3
30	00	2	0.3	4.3
	03	2	0.2	2.9
	06	2	0.3	3.3
	12	2	0.3	3.0
	18	2	0.3	3.0
31	00	2	0.3	3.0
	03	2	0.4	3.0
	06	2	0.4	3.0
	12	2	0.4	3.0
	18	2	0.3	3.0
STATION : PORT BLAIR				
01	00	3	0.8	7.0
	06	3	0.8	4.0
			1.2	7.0
	12	3	0.8	7.0
	18	3	0.8	6.0
			1.0	7.0
02	00	3	0.8	5.0
			1.0	7.0
	06	3	0.8	4.0
	12	3	0.8	4.0
			1.0	7.0
	18	3	0.8	7.0
			1.0	7.0
03	00	3	0.8	7.0
			1.0	7.0
	06	3	0.8	7.0
	12	3	0.8	6.0
			0.8	7.0
	18	3	0.8	7.0
			1.0	7.0
04	00	3	0.8	6.0
	06	3	1.2	7.0
	12	3	0.8	7.0
			1.0	7.0
	18	3	1.2	8.0
05	00	3	1.2	7.0
	06	3	0.8	6.0
	12	3	0.6	4.0
			0.8	7.0
	18	3	0.8	6.0
			0.8	7.0
06	00	3	0.8	7.0
	06	3	0.8	6.0
	12	3	0.8	6.0
	18	3	0.8	6.0
			1.0	7.0
07	00	3	0.8	6.0
	06	3	1.0	7.0
	12	3	0.8	7.0
	18	3	0.6	7.0
			0.8	7.0
08	00	3	0.8	6.0
	06	.-.	...	...
	12	3	0.6	7.0
			0.8	7.0
	18	3	0.8	7.0
09	00	3	0.6	7.0
			0.8	7.0
	06	3	0.8	7.0
			1.0	7.0
	12	3	0.8	7.0
	18	3	0.8	6.0
10	00	3	0.8	6.0
	06	3	0.8	7.0
	12	3	0.8	7.0
	18	3	0.8	7.0
11	00	...	....	...
	06	3	0.8	6.0
	12	3	0.4	4.0
			0.8	7.0
	18	3	0.6	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : PORT BLAIR				
12	00	3	0.4	6.0
	06	3	0.8	7.0
	12	3	0.4	4.0
	18	3	0.4	6.0
			0.6	7.0
13	00	3	0.4	6.0
	06	3	0.4	6.0
	12	3	0.4	6.0
			0.8	7.0
	18	3	0.4	6.0
			0.6	6.0
14	00	3	0.4	6.0
	06	3	1.0	8.0
	12	3	1.0	8.0
	18	3	1.0	8.0
15	00	3	0.8	7.0
	06	3	1.0	8.0
	12	3	0.8	8.0
	18	3	0.8	8.0
16	00	3	0.4	4.0
			1.0	8.0
	06	3	0.4	4.0
			1.0	8.0
	12	3	0.8	7.0
	18	3	0.8	7.0
17	00	3	0.8	7.0
	06	3	0.6	7.0
	12	3	0.6	7.0
			0.8	7.0
	18	3	0.6	7.0
18	00	3	0.6	7.0
	06	3	0.8	7.0
	06	3	0.6	7.0
	12	3	0.6	7.0
	18	3	0.8	7.0
19	00	3	0.8	7.0
	06	3	0.8	8.0
	12	3	0.8	8.0
	18	3	0.8	7.0
20	00	3	0.8	7.0
	06	3	0.6	7.0
			0.8	7.0
	12	3	0.6	7.0
	18	3	0.6	7.0
21	00	3	0.6	7.0
			0.8	7.0
	06	3	0.4	4.0
	12	3	0.4	4.0
	18	3	0.4	4.0
22	00	...	-	-
	06	3	0.6	4.0
	12	3	0.4	4.0
			0.6	4.0
	18	3	0.4	4.0
23	00	3	0.6	4.0
	06	3	0.6	4.0
	12	3	0.4	4.0
			0.8	6.0
	18	3	0.6	4.0
			0.8	6.0
24	00	3	0.6	6.0
	06	3	0.6	6.0
	12	3	0.6	6.0
	18	3	0.6	6.0
25	00	3	0.6	6.0
			0.8	6.0
	06	3	0.6	6.0
	12	3	0.6	7.0
	18	3	0.4	6.0
			0.6	6.0
26	00	3	0.6	7.0
	06	3	0.6	7.0
			0.8	7.0
	12	3	0.8	7.0
	18	3	0.6	6.0
			0.8	7.0
27	00	3	0.6	7.0
	06	3	0.4	4.0
			0.6	6.0
	12	3	0.4	4.0
	18	3	0.4	4.0
28	00	3	0.4	6.0
			0.6	6.0
	06	3	0.6	7.0
	12	3	0.6	7.0
			0.8	7.0
	18	3	0.6	7.0
29	00	3	0.6	7.0
	06	3	0.4	6.0
			0.8	7.0
	12	3	0.8	7.0
	18	3	0.6	7.0
30	00	3	0.6	7.0
	06	3	0.8	7.0
	12	3	0.4	6.0
			0.8	7.0
	18	3	0.4	6.0
			0.8	7.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : PORT BLAIR				
31	00	3	0.4	6.0
	06	3	0.8	7.0
	12	3	0.8	6.0
	18	3	0.4	6.0
			0.8	7.0
STATION : SHILLONG				
01	00	3	0.3	4.2
	06	3	0.4	4.5
	12	3	0.4	4.0
	18	3	0.4	4.2
02	00	3	0.4	4.1
	06	3	0.4	4.0
	12	3	0.4	4.2
	18	3	0.4	4.0
03	00	3	0.3	5.0
	06	3	0.4	4.5
	12	3	0.4	4.5
	18	3	0.3	5.0
04	00	3	0.4	4.2
	06	3	...	...
	12	3	0.4	4.2
	18	3	0.5	4.7
05	00	3	0.5	4.8
	06	3	0.4	4.6
	12	3	0.4	4.2
	18	3	0.4	4.2
06	00	3	0.4	4.0
	06	...	...	...
	12	...	...	...
	18	3	0.5	3.8
07	00	3	0.5	3.8
	06	...	...	...
	12	3	0.5	5.0
	18	3	0.5	5.0
08	00	3	0.4	4.8
	06	...	...	...
	12	...	...	...
	18	...	...	...
09	00	3	0.4	4.2
	06	3	0.4	4.1
	12	3	0.5	5.0
	18	3	0.5	5.1
10	00	3	0.5	5.1
	06	3	0.5	4.8
	12	3	0.5	4.8
	18	3	0.5	5.0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : SHILLONG				
11	00	...	...	...
	06	...	...	...
	12	...	...	...
	18	...	...	...
12	00	...	...	...
	06	...	...	...
	12	3	0.4	4.2
	18	3	0.4	4.3
13	00	3	0.5	5.0
	06	...	...	...
	12	...	...	...
	18	...	...	...
14	00	...	...	...
	06	...	...	...
	12	...	...	...
	18	...	...	...
15	00	...	...	...
	06	...	...	...
	12	3	0.4	4.6
	18	3	0.4	4.7
16	00	3	0.4	4.7
	06	3	0.3	5.5
	12	3	0.3	5.5
	18	3	0.3	5.5
17	00	3	0.3	5.5
	06	3	0.3	5.2
	12	3	0.3	5.2
	18	3	0.3	5.4
18	00	3	0.3	5.4
	06	3	0.4	5.0
	12	3	0.4	5.2
	18	3	0.4	5.2
19	00	3	0.4	5.0
	06	3	0.4	5.0
	12	3	0.4	5.0
	18	3	0.4	4.8
20	00	3	0.4	4.8
	06	3	0.4	5.0
	12	3	0.4	5.2
	18	3	0.4	5.0
21	00	3	0.4	4.7
	06	00	0.0	0.0
	12	3	0.5	4.5
	18	3	0.5	4.2
22	00	3	0.5	4.4
	06	3	0.5	4.2

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION : SHILLONG				
22	12	3	0.5	4.0
contd.	18	...	...	...
23	00	...	...	...
	06	...	...	...
	12	3	0.5	4.0
	18	3	0.5	4.1
24	00	3	0.5	4.1
	06	3	0.5	3.8
	12	3	0.5	3.8
	18	3	0.5	3.8
25	00	...	-	...
	06	3	0.5	3.8
	12	3	0.5	3.8
	18	3	0.5	3.8
26	00	3	0.5	4.0
	06	3	0.5	3.8
	12	3	0.5	3.8
	18	3	0.5	3.8
27	00	3	0.5	3.8
	06	...	...	...
	12	3	0.5	4.0
	18	3	0.5	4.0
28	00	3	0.5	4.0
	06	3	0.5	3.8
	12	3	0.5	4.0
	18	3	0.5	4.0
29	00	3	0.5	4.0
	06	3	0.4	5.0
	12	3	0.4	5.2
	18	3	0.4	5.2
30	00	3	0.4	5.0
	06	3	0.5	4.8
	12	3	0.5	4.8
	18	3	0.5	5.0
31	00	3	0.5	5.0
	06	3	0.4	4.8
	12	3	0.4	5.2
	18	3	0.4	5.0
STATION : TRIVANDRUM				
01	00	2	0.44	3.2
	06	2	0.40	2.9
	12	2	0.36	3.1
	18	2	0.38	3.0
02	00	2	0.45	3.0
	06	2	0.42	3.7
	12	2	0.34	2.9
	18	2	0.32	2.9
03	00	2	0.62	2.8
	06	2	0.38	2.8
	12	2	0.42	2.9
	18	2	0.36	3.6
04	00	2	0.44	3.5
	06	2	0.42	3.4
	12	2	0.46	3.6
	18	2	0.54	3.7
05	00	2	0.48	3.6
	06	2	0.53	3.8
	12	2	0.69	3.6
	18	2	0.76	3.8
06	00	2	0.79	3.8
	06	2	0.77	3.9
	12	2	0.97	3.7
	18	2	0.94	4.1
07	00	2	1.20	3.8
	06	2	1.12	4.0
	12	2	1.09	3.8
	18	2	1.03	4.2
08	00	2	1.05	4.0
	06	2	1.08	3.6
	12	2	0.50	3.7
	18	2	0.64	3.7
09	00	2	0.79	3.7
	06	2	0.60	3.6
	12	2	0.75	3.6
	18	2	0.66	3.8
10	00	2	0.50	3.6
	06	2	0.42	3.6
	12	2	0.30	3.4
	18	2	0.30	3.3
11	00	...	0,0	...
	06		0.0	
	12	2	0.30	3.2
	18	2	0.25	2.9
12	00	-	0,0	0,0
	06	-	0,0	0,0
	12	-	0,0	0,0
	18	2	0.25	3.0
13	00	2	0.34	3.0
	06	2	0.35	3.0
	12	2	0.44	3.1
	18	2	0.38	3.0
14	00	2	0.38	3.3
	06	2	0.44	3.6
	12	2	0.36	3.5
	18	2	0.49	3.7

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION :		TRIVANDRUM		
15	00	2	0.42	3.4
	06	2	0.38	3.2
	12	2	0.34	3.6
	18	2	0.36	3.4
16	00	2	0.32	3.3
	06	2	0.38	3.4
	12	2	0.42	3.3
	18	2	0.36	3.1
17	00	2	0.40	3.2
	06	2	0.40	3.3
	12	2	0.42	3.4
	18	2	0.36	3.4
18	00	2	0.62	4.2
	06	2	0.61	4.3
	12	2	0.68	4.2
	18	2	0.61	4.1
19	00	2	0.50	3.9
	06	2	0.38	3.7
	12	2	0.40	3.5
	18	2	0.44	3.2
20	00	2	0.60	3.4
	06	2	0.53	3.3
	12	...	...	...
	18	2	0.48	3.4
21	00	2	0.46	3.1
	06	2	0.34	3.1
	12	2	0.34	3.1
	18	2	0.34	3.1
22	00	...	...	...
	06	2	0.36	3.3
	12	2	0.32	3.4
	18	2	0.27	3.6
23	00	0,0	0,0	0,0
	06	0,0	0,0	0,0
	12	0,0	0,0	0,0
24	00	0,0	0,0	0,0
	06	0,0	0,0	0,0
	12	0,0	0,0	0,0
	18	0,0	0,0	0,0
25	00	0,0	0,0	0,0
	06	0,0	0,0	0,0
	12	0,0	0,0	0,0
	18	0,0	0,0	0,0
26	00	0,0	0,0	0,0
	06	0,0	0,0	0,0
	12	0,0	0,0	0,0
	18	0,0	0,0	0,0

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
STATION:		TRIVANDRUM		
27	00	0,0	0,0	0,0
	06	0,0	0,0	0,0
	12	0,0	0,0	0,0
	18	0,0	0,0	0,0
28	00	0,0	0,0	0,0
	06	2	0.25	3.8
	12	2	0.30	3.6
	18	2	0.42	4.5
29	00	...	...	...
	06	2	0.75	4.7
	12	2	0.64	4.5
	18	2	0.60	4.5
30	00	2	0.48	4.0
	06	2	0.46	3.8
	12	2	0.50	3.5
	18	2	0.50	3.4
31	00	2	0.57	3.3
	06	2	0.46	3.3
	12	2	0.42	3.6
	18	2	0.54	3.4
STATION :		VISAKHAPATNAM		
01	00	1	0.2	2.5
	06	1	0.2	2.5
	12	1	0.2	2.5
	18	1	0.2	2.5
02	00	1	0.2	2.5
	06	1	0.2	2.5
	12	1	0.3	2.8
	18	1	0.3	2.8
03	00	1	0.3	2.8
	06	1	0.3	2.8
	12	1	0.3	2.8
	18	1	0.3	2.8
04	00	1	0.3	2.8
	06	1	0.3	3.2
	12	1	0.3	3.2
	18	1	0.3	3.2
05	00	1	0.3	3.2
	06	1	0.3	2.8
	12	1	0.3	3.0
	18	1	0.5	2.8
06	00	1	0.7	3.2
	06	1	0.6	3.2
	12	1	0.7	3.2
	18	1	0.7	3.6

DATE	HOUR	K	MEAN Amplitude in mm.	MEAN Period in sec.
07	00	1	0.7	3.4
	06	1	0.8	3.6
	12	1	0.8	3.8
	18	1	0.6	3.0
08	00	1	0.6	2.8
	06	1	1.1	3.4
	12	1	1.2	3.4
	18	1	1.2	3.6
09	00	1	1.2	3.8
	06	1	1.3	3.4
	12	1	1.0	3.0
	18	1	1.4	3.0
10	00	1	1.4	3.4
	06	1	0.7	3.6
	12	1	0.6	2.8
	18	1	0.6	3.2
11	00	...	...	...
	06	1	0.6	2.9
	12	1	0.5	2.8
	18	1	0.4	2.9
12	00	1	0.3	2.7
	06	3	0.4	2.7
	12	3	0.4	3.2
	18	3	0.3	3.1
13	00	3	0.3	3.0
	06	2	0.3	2.8
	12	2	0.3	2.9
	18	2	0.2	2.8
14	00	2	0.3	2.9
	06	2	0.3	2.9
	12	-	-	-
	18	-	-	-
15	00	-	-	-
	06	3	0.3	2.8
	12	3	0.3	2.8
	18	3	0.3	2.8
16	00	3	0.3	2.8
	06	3	0.3	3.2
	12	3	0.3	3.2
	18	3	0.3	3.2
17	00	3	0.3	3.2
	06	3	0.3	3.4
	12	3	0.3	3.6
	18	3	0.3	3.6
18	00	3	0.3	3.4
	06	2	0.4	3.0
	12	2	0.5	4.2
	18	2	0.4	3.6
19	00	2	0.6	4.2
	06	2	0.4	2.8
	12	2	0.6	4.8
	18	2	0.6	5.5
20	00	2	0.4	4.2
	06	2	0.5	4.6
	12	-	-	-
	18	2	0.6	4.8
21	00	2	0.5	5.0
	06	2	0.6	5.5
	12	2	0.5	4.4
	18	2	0.6	5.2
22	00	...	-	-
	06	2	0.6	5.0
	12	2	0.5	4.8
	18	2	0.4	5.0
23	00	0	0,0	0,0
	06	2	0.5	4.2
	12	2	0.5	4.6
	18	2	0.6	5.2
24	00	-	-	-
	06	2	0.6	6.0
	12	2	0.4	5.6
	18	2	0.5	5.0
25	00	...	-	-
	06	1	0.2	2.5
	12	1	0.3	2.5
	18	1	0.3	2.5
26	00	1	0.2	2.5
	06	1	0.2	2.5
	12	1	0.2	2.5
	18	1	0.2	2.5
27	00	1	0.2	2.5
	06	1	0.3	2.6
	12	1	0.3	2.6
	18	1	0.4	3.5
28	00	2	0.4	3.5
	06	2	0.5	4.5
	12	2	0.5	3.8
	18	2	0.3	3.2
29	00	2	0.3	2.8
	06	2	0.5	4.6
	12	2	0.5	4.2
	18	2	0.5	4.8
30	00	0,0	0,0	0,0
	06	2	0.5	4.6
	12	2	0.5	5.0
	18	2	0.3	3.6
31	00	2	0.3	3.8
	06	2	0.4	4.4
	12	2	0.4	2.8
	18	2	0.3	3.0