



SEISMOLOGICAL BULLETIN

JUL 1964

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
SHRI P. R. KRISHNA RAO
DIRECTOR GENERAL OF OBSERVATORIES

List of Seismograph Stations with their Instruments and Constants :



DATE STN PHASE H. M. S.

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Station	Latitude o' N	Longitude o' E	Height (a.s.l.) (Metres)	Lithographic foundation	Instrument	Component	Period in secs	Static magnification	Damping ratio	Paper speed mm/min
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	To=15 Tg=100			15
					-do-	N-S	To=15 Tg=100			15
					-do-	E-W	To=15 Tg=94			15
					Sprengnether	E-W	To=Tg=7.3	5000	Critical	30
					Wood-Anderson	N-S	0.8 sec	940	Critical	30
Bombay	18.54	72.49		Deccan Trap	-do-	E-W	0.8 sec	950	-do-	30
					Milne-Shaw	N	12	250	20:1	8
					-do-	E	12	250	20:1	8
					Sprengnether	E	7.3	5000	Critical	30
					Benioff	Z				30 for Galv 60 for mete
Calcutta	22.32	88.20	(1) 7 (2) 6	Milne-Shaw Omori Ewing Alluvium	Milne-Shaw	E	12.0	250	20:1	8
					Omori Ewing	E	19.0	30		25.4
					-do-	N	16.0	32		25.4
					Sprengnether	N	To=Tg=7.0	1000	Critical	30
					Benioff	Z	To=0.72 Tg=0.45			60
Chatra	26.50	87.10	161	Sand Stone	Wood-Anderson	N	0.8	1000	20:1	30
					-do-	E	0.8	1000	20:1	30
					Milne-Shaw	N	12.0	250	20:1	16
					-do-	E	12.0	250	20:1	16
					Wanner Accelerograph	Z,N,E	To=0.1 sec	50	10:1	600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	To=Tg=7.6	5000	Critical	30
					Wood-Anderson	E	To=0.8	1000	-do-	30
					-do-	N	To=0.8	1000	-do-	30
					Milne-Shaw	N	To=12.0	250	20:1	8
					Benioff (S.P.)	Z	To=1.0 Tg=0.76	50000 for	Critical	60
					-do-	N	To=1.0 Tg=0.76	50000 TE=1	-do-	60
					-do-	E	To=1.0 Tg=0.77	50000	-do-	60
					Sprengnether (LP)	Z	To=15 Tg=100	1500 for	-do-	15
					-do-	N	-do-	1500 TE=15	-do-	15
					-do-	E	-do-	1500 sec	-do-	15
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lemison	Z	To=Tg=1.3			60
					Wood-Anderson	N	To=0.8	970	Critical	30
					-do-	E	To=0.8	1000	-do-	30
					Milne-Shaw	N	To=12.0	250	20:1	8
					Sprengnether	Z	To=15 Tg=100	1500	Critical	30
Goa	15.29	73.49		Laterite	Sprengnether	Z	To=Tg=1.9		Critical	30
					-do-	E	To=Tg=7.4	5000	-do-	30
					-do-	N	To=Tg=7.5	5000	-do-	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	To=12	243.5	20:1	8
					-do-	N	To=12	250.2	20:1	8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(S.P.)	Z	To=1.0 Tg=0.75	100000 for	Critical	60
					-do-	N	To=1.0 Tg=0.75	100000 TE=1	-do-	60
					-do-	E	To=1.0 Tg=0.75	100000 sec	-do-	60
					Sprengnether (LP)	Z	To=15.0 Tg=100	1500 for	Critical	30
					-do-	N	-do-	1500 TE=15	-do-	30
Madras	13.00	80.11	15		Milne-Shaw	E-W	To=12.0	250	20:1	8
					Sprengnether	Z	To=Tg=7.5		Critical	30
Poona	18.32	75.51	560	Deccan Trap	Benioff(S.P.)	Z	To=1.0 Tg=0.75	50000 for	Critical	60
					-do-	N	-do-	50000 TE=1	-do-	60
					-do-	E	-do-	50000 sec	-do-	60
					Sprengnether(LP)	Z	To=15.0 Tg=100	3000 for	Critical	15
Port Blair	11.40	92.43			-do-	N	-do-	1500 TE=15	-do-	15
					-do-	E	-do-	1500 sec	-do-	15
					Milne-Shaw	Z	12.0	250	20:1	8
					Wood-Anderson	E	2.0	890	30:1	30
					Benioff	Z	To=1.0 Tg=1.6	810	70:1	30
Sehore	23.10	77.05			Wood-Anderson	N	0.8	860	Critical	30
					-do-	E	0.8	950	-do-	30
Shillong	25.34	91.53	1600	Quartzite Sand Stone (Shillong Quartzite)	Benioff(S.P.)	Z	To=1.0 Tg=0.75	200000 for	Critical	60
					-do-	N	-do-	200000 TE=1	-do-	60
					-do-	E	-do-	200000 sec	-do-	60
					Press-Ewing(LP)	Z	To=15 Tg=100	3000 for	-do-	30
					-do-	N	-do-	3000 TE=15	-do-	30
Tocklai	26.45	94.46		Alluvium	Sprengnether	E	To=6.7 Tg=6.7	3000 sec	-do-	30
					Milne-Shaw	N	To=12.0	3600	Critical	30
					Wanner Accelerograph	Z,N,E	To=0.1	250	20:1	8
					Wood-Anderson	E-W	0.8	1000	10:1	600
					Sprengnether	E	To=Tg=7.0	5000	Critical	30
Visakhapatnam	17.43	83.18			Wood-Anderson	E	To=2.0	960	-do-	30
					-do-	N	To=0.8	960	-do-	30
					Electromagnetic(SP)	Z	To=Tg=1.65	6000	-do-	60
					-do-	E	-do-	-do-	-do-	-do-

01	CHA	iP	02 56 32	C	02	SHL	iP	12 18 43	C
01	NDI	iP	02 57 12	CSW	02	NDI	iP	12 20 22	CE
			i 57 21		02	CHA	iP	16 21 03	130
01	NDI	eP	06 22 50					21 20	
01	NDI	iP	06 23 50	SE 560	02	SHL	iPg	16 49 38	R 90
			iS 24 49					iPn 49 40	
			CHA e 06 24 52					iSg 49 48	
01	CHA	iP	08 02 44	C 140	02	SHL	iPn	17 41 02	140
			iS 03 02					iSg 41 19	
01	SHL	iP	09 55 38	C	02	NDI	eP	23 04 43	N 960
			CHA i 09 55 59					eS 06 21	
			NDI iP 09 56 40	CSW	03	NDI	iP	01 31 07	C
01	SHL	iP	10 01 27	CN	03	SHL	iP	10 25 27	C
01	CHA	i	10 01 48		03	SHL	iP	15 40 27	
			NDI iP 10 02 29	CSE	03	CHA	eP	13 41 03	340
			SHL iP 13 40 59	R				iSg 41 54	
01	SHL	iP	13 40 59	R	03	NDI	iP	14 11 53	CSE 600
01	NDI	iP	13 42 39	R				iS 12 56	
01	SHL	iP	14 27 19	C	03	CHA	iP	14 13 30	R
01	NDI	iP	14 29 01	C				i 15 49	
01	NDI	iP	20 40 19	CW	03	SHL	eP	14 14 21	
			e 41 03						
01	SHL	iP	22 53 59	C	03	NDI	eP	19 25 59	C
			CHA iP 22 54 29	R	04	SHL	iP	10 58 34	RS
			NDI eP 22 55 26	CSW	04	CHA	iP	10 59 07	R
01	NDI	eP	23 08 55	R	04	NDI	iP	11 00 04	RW
			i 08 59						
			i 09 03		04	NDI	eP	12 33 26	R
02	CHA	eP	00 26 40	130				i 34 45	
			iS 26 57					34 58	
			SHL eP 00 27 19		04	PBA	iPg	14 05 21	C 65
								iSg 05 29	
02	SHL	iP	01 31 24	CN	04	NDI	eP	16 27 06	990
								eS 28 46	
02	NDI	eP	01 31 35	CSE	04	CHA	i	16 28 33	R
02	SHL	iP	05 10 21	R	05	SHL	iPg	00 49 05	50
			CHA iP 05 10 57	C				iSg 49 11	
			NDI iP 05 12 03		05	DDI	i	03 26 55	

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05	CHA	i	03 26 57		06	DDI	e	02 42 18	
	NDI	eP	03 27 03	CNE			e	03 26 56	
							i	28 38	
05	NDI	eP	04 24 13	CW	06	KOD	i	04 27 44	
05	DDI	e	18 11 22		06	DDI	e	07 41 10	
05	CHA	e	18 11 24				i	41 18	
05	NDI	eP	18 11 30	C			e	41 33	
							i	44 44	
05	NDI	iP	19 27 01	C			i	44 50	
05	BOK	i	19 40 58		06	Epc:- 18.5°N 100.4°W in Guerrero, Mexico. More than 30 killed, many injured and considerable property damage in Guerrero. h about 100 km(USCGS). -H= 07h 22m 11.7s. Mag: 6 $\frac{3}{4}$ -7(Pas), 6 $\frac{3}{4}$ -7(Berk), 7 $\frac{1}{2}$ -7 $\frac{1}{2}$ (Pal), 6.3(CGS).			
05	SHL	eP	23 02 02			SHL	iPKP107	41 13	13780
05	Epc:- 44.8°N 149.6°E in Kurile Islands. h about 54 km.(USCGS). -H=23h 36m 01.5s. Mag: 6 $\frac{1}{4}$ (Pas), 6-6 $\frac{1}{4}$ (Pal), 5.5(CGS).						iPP	43 00	
	Epc:- 44.7°N 149.6°E in Kurile Islands. h about 48 km(USCGS). -H= 23h 39m 10.3s. Mag: 5.6(CGS).						i	44 54	
	SHL	iP	23 44 49			BOK	iPKP1	07 41 18	C 1780
		i	46 45				i	41 34	
		i	52 06			NDI	iPKP	07 41 20	RN
		i	52 15				i	43 48	
	CHA	iP	23 45 11	RSE		CHA	ePKP1	07 41 23	14390
		i	48 20				i	45 56	
		i	52 50				PKS	44 56	
							e	45 33	
	BOK	iP	23 45 31	CS		BOM	ePKP1	07 41 31	14890
		PcP	46 35				i	42 25	
		PPP	48 41				i	44 43	
							SKS	48 36	
	DDI	iP	23 45 43	CNE		P00	ePKP1	07 41 35	15821
		i	47 56				ePP	44 47	
		iP	48 56			PBA	iPKP	07 41 46	
	PBA	iP	23 45 50				i	42 11	
		i	50 58				i	42 53	
	NDI	iP	23 45 52	CSW 6590		CAL	iPKP	07 41 54	
		i	46 10				PP	45 08	
		PP	48 04			MDR	ePKP1	07 42 04	
		iS	54 00				PKP2	42 18	
	MDR	iP	23 46 46	E 7710			e	42 58	
							e	43 39	
	BOM	eP	23 46 55				e	44 20	
							PP	45 50	
05	P00	iP	23 47 11	C			e	46 25	
							e	58 59	
06	CHA	eP	01 20 26	140			e	08 04 03	
		iS	20 44			TOC	e	07 42 48	
06	PBA	eP	02 34 18			KOD	ePKP2	07 42 52	



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06	SEH	i	07 44 13		MDR	e	10 26 44	
		i	45 08			M	27 25	
06	Epc:- 37.1°N 71.4°E in Hindukush. h about 100 km. -H=10h 13m 45.2s(USCGS). Mag: 5.9(CGS).				P00	eS	10 21 20	
	Epc:- 37.0°N 72.5°E in Hindukush. -H=10h 13m 45s(C.S.O.Shillong).				06	SHL	iP	14 28 24 C
					06	NDI	iP	14 29 55 CSW
					06	DDI	iP	14 29 57 C
					06	CHA	iP	15 28 57 R
	DDI	iPn	10 15 52	RES 900	06	SHL	eP	19 47 15 400
		PP	15 59				iS	47 59
		PPP	16 06		06	CHA	iP	21 46 38
		P*	16 11		07	SHL	eP	06 52 09
		Pg	16 32			CHA	e	06 52 37
		LQ	17 14			NDI	iP	06 53 33 R
		iSn	17 25		07	NDI	iP	07 56 44 R
		SS	17 37		07	NDI	e	08 07 41
		LR	17 38		07	TOC	eP	14 02 58
		SSS	17 47				e	03 16
		S*	17 54			CHA	iP	14 04 08 R
		Sg;M	17 18				e	05 21
	NDI	iP	10 16 01	CSW 1000	07	CHA	iP	18 34 41 120
		iS	17 44				iSg	34 55
	SHL	iP	10 17 02		07	CHA	ePg	18 59 39 110
							iSg	59 52
	SEH	iP	10 17 08	1575	07	Epc:- 35.8°N 73.4°E in Hindukush. h about 19 km (USCGS). -H= 21h 12m 33.6s .Mag.5.2(CGS).		
		PP	17 18			DDI	iPn	21 14 12 C 770
		PPP	17 26				PP	14 20
		LQ	19 43				PPP	14 26
		iS	19 47				P*	14 29
		SS	20 07				Pg	14 47
		SSS	20 15				LQ	15 24
		LR	20 20				iSn	15 32
		M	21 46				LR	15 42
	CHA	iP	10 17 32	CSE 1780			SS	15 45
		iS	20 30				SSS	15 53
	BOM	eP	10 17 49				S*	15 56
		e	21 59				Sg;M	16 16
	BOK	iP	10 17 52	E 1950				
		eS	21 03			NDI	iP	21 14 26 CSW 790
		SSS	21 37				iS	15 48
		LQ	21 52			CHA	eP	21 15 58 1605
	SHL	iP	10 18 21	C			eS	18 40
	CAL	iP	10 18 32	2290				
		iS	22 18					
	TOC	iP	10 18 35					
	MDR	eP	10 19 20	2880				
		e	19 48					
		eS	23 48					
		LQ	24 32					
		LR	25 42					

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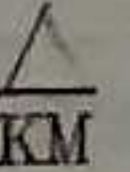
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12	SHL	iP	22 59 52	C		MDR	SS	11 05 58		
							SSS	06 12		
13	SHL	Sg	01 14 01				LR	06 30		
							e	07 18		
13	DDI	e	04 01 55			P00	iP	11 03 20	RNE	2220
							iS	07 00		
13	Epc:- 23.7°N 94.7°E in North Western Burma. h about 117 km. -H=10h 58m 47.7s (USCGS). Mag: 6.5 (CGS).					BOM	iP	11 03 23		2230
							PP	03 44		
							PPP	03 54		
	Epc:- 24.0°N 94.0°E in North Western Burma. -H= 10h 58m 50s (CSO Shillong).						iS	07 04		
							e	07 12		
							LQ	07 17		
							e	07 25		
	SHL	iP	10 59 36	CNW	330		SS	07 36		
		PP	59 47				e	07 42		
		S	11 00 10				SSS	07 49		
							LR	08 16		
	TOC	eP	10 59 40			SEH	i	11 05 06		
		e	59 42							
		ePg	59 46			KOD	iS	11 07 18		
	CAL	eP	11 00 13		645					
		iS	01 19			13	DDI	e	16 58 31	
	CHA	eP	11 00 33		810	13	DDI	i	17 20 51	
		PP	00 48			13	DDI	eP	22 01 49	
		iS	01 54				i	03 26		
		SS	02 09			14	SHL	iP	14 08 10	C
		SSS	02 27				CHA	iP	14 08 24	C
	BOK	iP	11 00 41	S	840		DDI	e	14 08 42	
		eS	02 00			14	SHL	iP	17 28 20	CS
	PBA	iP	11 01 32	RN	1280		CHA	iP	17 28 40	C
		PP	01 40				DDI	iP	17 29 11	C
		PPP	01 48			14	SHL	iP	17 28 20	CS
		i	02 09				CHA	iP	17 28 40	C
		LQ	03 37				DDI	iP	17 29 11	C
		iS	03 42			14	DDI	e	19 22 12	
		SS	03 54			14	SHL	iP	19 44 11	C
		SSS	04 06			14	SHL	iP	23 11 36	C
	DDI	iP	11 02 28	C	1770	14	DDI	e	23 11 39	
		PP	02 41			15	PBA	i	04 38 16	
		PPP	02 48			15	SHL	eP	05 25 11	
		LQ	05 15			15	SHL	iP	07 37 39	C
		iS	05 22				CHA	iP	07 37 50	R
		SS	05 40				DDI	iP	07 38 01	C
		SSS	05 52			15	SHL	iP	10 03 16	R
		LR	06 02							
		M	07 20							
	HYD	iP	11 02 31	E	1780					
		iS	05 29							
		M	07 28							
	MDR	iP	11 02 39	W	1830					
		PP	02 48							
		PPP	02 58							
		LQ	05 35							
		iS	05 41							

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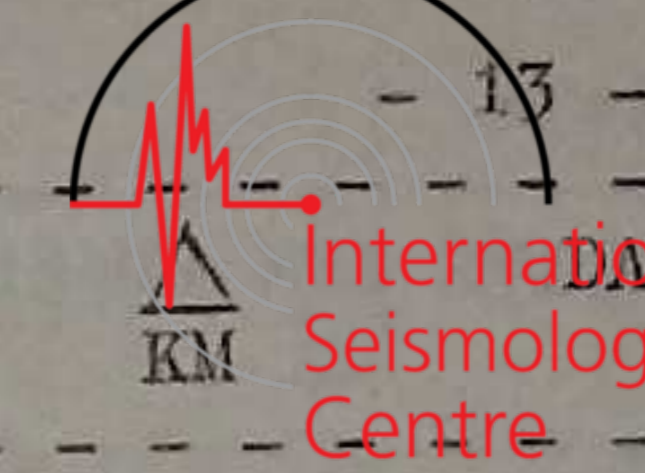
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15	CHA	i	14 10 59			MDR	eS	02 51 22		
15	CHA	iP	22 47 06	C		SHL	iP	02 44 04	C	6400
							PP	46 18		
16	CHA	i	00 38 37				PcS	48 40		
							iS	51 49		
16	PBA	e	07 33 49				ScS	53 34		
16	CHA	i	09 26 20			PBA	iP	02 45 00	CSE	8400
							iS	54 41		
16	SHL	iP	10 46 09	C		17	SHL	iP	04 50 41	R
16	DDI	iP	10 47 03	C			CHA	e	04 50 58	
16	CHA	iP	13 25 04	C			DDI	iP	04 51 21	
16	BOK	i	15 23 09				P00	iP	04 52 30	R
16	MDR	eS	16 11 34			17	SHL	iP	04 56 00	C
		e	13 35				CHA	eP	04 57 00	580
		e	15 16						58 01	
		M	16 33			17	SHL	iP	23 03 32	C
	P00	iP	16 11 45	C			CHA	iP	23 03 54	R
	CHA	e	16 13 55				DDI	eP	23 04 24	
	SHL	e	16 14 09	C		18	SHL	iPg	00 06 09	90
16	CHA	iP	17 48 40	C			Sg	06 19		
17	Epc:- 38.2°N 23.7°E in Southern Greece. Felt. h about 150 km (USCGS). -H= 02h 34m 26.9s. Mag: 5 $\frac{1}{2}$ -5 $\frac{3}{4}$ (Brk), 5.4(CGS).						CHA	eP	00 07 20	400
							eS	08 04		
	DDI	iP	02 42 28	CSE		18	CAL	iP	02 43 03	6000
		i	49 47				iS	50 38		
		i	52 10			18	DDI	iP	03 48 16	C
		i	52 55				SHL	iP	03 49 53	C
	BOM	iP	02 42 41		5080		CHA	iP	03 51 22	R
		e	42 46				iS	56 38		3630
		e	43 06							
		e	43 13							
		PP	44 22			18	DDI	iPn	04 13 45	R
		i	44 34				Pg	13 48		180
		e	46 48				PP	13 52		
		eS	49 19				PPP	13 58		
		e	52 17				iSn	14 07		
	P00	iP	02 42 49	CSE	1126		Sg	14 08		
							SS	14 17		
	CHA	iP	02 43 35	CE			SSS	14 28		
		i	50 56			18	CHA	iP	12 53 51	R
		i	51 57				i	55 33		
	BOK	iP	02 43 38	C			SHL	iP	12 53 14	C
		i	44 13				DDI	iP	12 54 56	C
	MDR	iP	02 43 48	W	6220					

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18	SHL	iP	15 56 20	CN	250	CHA	i	04 40 54		
		Pg	56 24			20	CHA	eP	06 49 48	
		Sg	56 53					iSg	50 16	
	TOC	eP	15 56 33			20	CHA	iPg	07 44 42	
		e	56 42					iSg	44 54	
	CHA	i	15 58 41			20	CHA	eP	10 05 45	
18	SHL	ePg	17 50 03		80			iS	06 14	
		Sg	50 11			20	SHL	iPg	11 23 28	
18	SHL	iP	22 37 46	R				e	23 33	
	CHA	iP	22 38 11			20	CHA	eP	12 17 20	
18	DDI	eP	23 48 50					iSg	17 50	
19	CHA	e	04 58 53				SHL	iP	12 17 21	
19	DDI	iP	06 04 28	R				Pg	17 26	
	CHA	iP	06 05 18	C				Sg	17 54	
	SHL	iP	06 05 38	C			NDI	eP	12 19 13	
19	CHA	iP	06 46 03	C				iS	21 15	
19	SHL	iP	07 02 24	R		20	NDI	iP	12 45 36	
	CHA	i	07 02 47					iS	47 13	
19	SHL	iP	15 41 31	C		20	SHL	iP	17 09 17	
19	SHL	iP	18 17 36	R				Pg	09 19	
19	SHL	iP	20 34 21	R				Sg	09 36	
19	SHL	iP	20 52 01			20	SHL	iPg	20 14 33	
19	SHL	iP	21 17 58					Sg	14 37	
20	SHL	iPg	01 12 38		120	20	SHL	iP	20 28 47	
		i	12 47					R		
		Sg	12 52			20	SHL	iP	22 15 36	
20	CHA	eP	01 13 21		380			Sg	16 12	
		iS	14 02			20	SHL	iP	22 32 03	
20	Epc:- 16.2°N 92.8°E in Assam -H=01h 17m 06s (New Delhi).						21	SHL	iP	04 02 25
	TOC	eP	01 17 36					i	12 44	
	SHL	iP	01 17 27	RNE	110			i	14 17	
		Sg	17 39			21	CHA	eP	04 07 08	
	CHA	iP	01 18 23	R	400			iS	07 22	
		iSg	19 24			21	NDI	iP	04 07 13	
20	SHL	iP	04 40 21	CN				RW		
						21	NDI	e	04 17 54	
						21	NDI	iP	06 29 09	
						21	SHL	iP	09 30 59	
						21	NDI	iP	09 32 52	
								iS	34 52	
							CHA	iP	09 30 59	
								iS	31 33	
						21	DDI	i	10 05 10	



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21	SHL	iP	10 05 16	R		23	NDI	iP	19 04 01	RNW	970
	CHA	iP	10 05 18	C				iS	05 42		
	NDI	iP	10 05 22	RSW		23	SHL	iP	19 20 18	R	
21	SHL	eP	11 10 13				DDI	iP	19 20 23	R	
21	NDI	iP	11 51 04	RNW			CHA	iP	19 20 24	R	
	DDI	e	11 51 16				NDI	iP	19 20 32	RNE	
21	Epc:- 11.5°N 121.9°E in Panay Philippine Islands. Felt. h about 34 km (USCGS). -H=13h 13m 00.2 s.					23	NDI	eP	19 38 27	C	
	SHL	iP	13 19 21	C	3470			i	38 30		
		S	24 29			23	PBA	i	22 38 13		
		M	27 16			24	Epc:- 46.9°N 153.9°E in Kurile Islands. h about 33 km (USCGS). -H=06h 50m 52.8s. Mag:6(Pas),6(Brk),5.9(CGS). Epc:- 47.5°N 154.0°E in Kurile Islands. -H= 06h 50m 46s (CSO Shillong).				
	CHA	iP	13 20 01	C	4090		TOC	eP	06 59 55		
		eS	25 38				SHL	iP	07 00 08	CSW	5900
	CAL	eP	13 20 07					PP	02 10		
	MDR	eP	13 20 47		4400			PPP	03 26		
		eS	26 51					S	07 38		
	NDI	iP	13 21 12	C				ScS	09 20		
	DDI	iP	13 21 13	C				SS	11 40		
	P00	eP	13 21 30				CHA	iP	07 00 27	CSW	6110
	BOK	i	13 25 45					iS	08 08		
21	CHA	iP	13 43 47	C	90		CAL	eP	07 00 40		6480
			45 59					eS	08 42		
21	P00	iP	15 12 55				DDI	iP	07 00 55	C	
21	SHL	eP	18 49 51		170			eP	00 55		
		Sg	50 10				NDI	iP	07 01 04	CSW	6720
21	CHA	iP	19 58 36		170			i	01 08		
		eS	58 57					iS	09 19		
21	SHL	iP	21 12 35	C			PBA	iP	07 01 14	R	6950
	CHA	iP	21 13 06	R				PPP	04 54		
	NDI	iP	21 13 53	CSE				iS	09 41		
	DDI	iP	21 13 54	C				SS	13 30		
	P00	iP	21 14 01	C				M	24 17		
22	DDI	eP	00 14 34		955		SEH	iP	07 01 25		
		iS	16 13				HYD	eP	07 01 52		7460
								PP	04 25		
22	NDI	iP	00 14 44	CSE	970			SKS	11 52		
		iS	16 24					SS	15 22		
22	DDI	e	04 46 33					LR	22 31		
22	SHL	eP	08 58 32					M	28 10		
22	NDI	i	13 55 06				MDR	iP	07 01 59	E	7730
22	SHL	iP	20 23 50	C				PcP	02 21		
	CHA	iP	20 24 23	R				PP	04 39		
23	NDI	i	10 03 48					PPP	06 21		
23	PBA	iPg	17 11 06	RNE	45			iS	11 07		
		iSg	11 11					PS	11 34		
								PPS	11 46		
								SKS/ScS	12 05		
								SS	15 40		
								SSS	18 40		

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24	MDR	LQ	07	20	04	
		LR		23	17	
		M		29	24	
	BOM	iP	07	02	07	7780
		eS		11	17	
		e		11	54	
		SSS		18	47	
		M		36	02	
	KOD	iP	07	02	23	8110
		eS		11	50	
		i		12	35	
				16	53	
24	NDI	iP	07	13	59	R
24	NDI	iP	07	22	13	RN
24	Epc:- 47.2°N 153.8°E in Kurile Islands. h about 33 km(USCGS). -H= 08h 12m 40.0s. Mag: 6½(Pas), 5.9 (CGS). Epc:- 47.0°N 154.0°E in Kurile Islands. -H= 08h 12m 36s (CSO Shillong).					
	TOC	eP	08	21	42	
	SHL	iP	08	21	54	CS
	CHA	iP	08	22	14	CSW 6080
		iS		29	53	
		PS		30	01	
		PPS		30	04	
		i		34	29	
	CAL	iP	08	22	30	6330
		iS		30	24	
	DDI	iP	08	22	40	CS 6555
		PP		24	51	
		PPP		26	09	
		iS		30	46	
		ScS		32	46	
		SS		34	41	
		SSS		36	50	
		LQ		37	01	
		LR		39	46	
		M		44	32	
	NDI	iP	08	22	50	CSW 6720
		iS		31	05	
	PBA	iP	08	23	00	RS 6890
		PPP		26	36	
		iS		31	24	
		PS		31	39	
		SS		35	43	
		SSS		38	02	
		LR		41	02	
		M		46	28	
	SEH	iP	08	23	14	7110
		eS		31	52	
	HYD	iP	08	23	37	W 7460
		PP		26	07	
	HYD	PPP	08	27	28	
		PcS		28	13	
		iS		32	31	
		PS		32	52	
		PPS		33	19	
		SS		37	10	
		LR		44	19	
		M		49	19	
	MDR	iP	08	23	47	E 7710
		PcP		24	13	
		PP		26	20	
		PPP		28	01	
		iS		32	54	
		PS		33	18	
		PPS		33	32	
		SKS/ScS		33	51	
		SS		37	28	
		SSS		40	33	
		LQ		41	39	
		LR		45	06	
		M		50	45	
	BOM	iP	08	23	52	7810
		PcP		24	11	
		PP		26	24	
		eS		33	04	
		PS		33	24	
		PPS		33	39	
		SKS		33	57	
		SS		37	35	
		PKKP1		43	33	
		M		58	03	
	KOD	iP	08	24	36	
		PP		27	24	
		e		34	06	
24	NDI	iP	09	03	06	CNE
24	NDI	iP	09	10	42	RE
24	NDI	iP	09	17	41	RNE
24	SHL	eP	09	26	18	C
	CHA	iP	09	26	37	R
	NDI	iP	09	27	14	CSW
24	SHL	iP	09	44	35	C
24	NDI	eP	09	45	31	CS
24	SHL	iP	10	11	32	C
24	CHA	i	10	11	52	
	NDI	iP	10	11	54	RS
24	NDI	iP	10	12	28	CSW
24	NDI	iP	11	02	51	CNE
	SHL	iP	11	03	55	C
	CHA	iP	11	04	28	R
24	NDI	iP	11	05	26	RSE
24	NDI	eP	12	19	39	CNE

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24	NDI	iP	12	44	50	R
	SHL	iP	12	45	16	C
	CHA	i	12	45	36	
24	NDI	iP	12	46	12	RSW
24	CHA	iP	13	33	51	C
24	Epc:- 47.0°N 153.7°E in Kurile Islands. h about 33 km(USCGS). -H= 13h 25m 18.3s. Mag: 5¾-6(Brk), 5.7 (CGS).					
	SHL	iP	13	34	34	C 5860
		PcP		35	36	
		i		36	07	
		PP		36	39	
		PPP		37	25	
		PcS/ScP		38	50	
		S		42	01	
		ScS		43	41	
	CAL	e	13	35	18	
		iS		43	04	
	NDI	iP	13	35	29	CSW 6720
		PcP		36	16	
		iS		43	44	
	PBA	iP	13	35	39	C 6920
		iS		44	05	
	MDR	iP	13	36	25	7730
		PcP		36	44	
		PP		38	57	
		iS		45	33	
		PS		45	57	
		PPS		46	11	
		SKS/ScS		46	28	
		SS		53	03	
		LQ		54	36	
	BOM	iP	13	36	30	7846
		e		59		
		eS		45	44	
		PS		46	15	
		PPS		50		
		M		14	09	32
	SHL	iP	13	58	50	C
	CHA	iP	13	59	18	C
	MDR	eP	13	59	23	7640
		PcP		59	46	
		PP		14	02	03
		PPP		03	46	
		eS		08	27	
		SKS/ScS		09	22	
24	NDI	iP	14	00	06	CSW
24	SHL	iP	14	35	14	C
	NDI	eP	14	36	10	CSE
		eP		36	10	
24	NDI	iP	14	57	55	CNE
24	NDI	i	15	31	45	
24	NDI	eP	16	35	20	C
	SHL	iP	16	43	42	C
	CHA	iP	16	44	00	C
24	NDI	iP	16	44	38	CSW
24	Epc:- 47.1°N 153.6°E in Kurile Islands. h about 33 km(USCGS). -H= 17h 02m 49.2s. Mag: 6½(Pas), 6(Brk), 5.8(CGS).					
	Epc:- 47.0°N 154.0°E in Kurile Islands. -H= 17h 02m 43s(CSO Shillong).					
	TOC	eP	17	11	50	
	SHL	iP	17	12	03	CSW 5860
		PcP		13	13	
		i		13	35	
		PP		14	07	
		PPP		15	17	
		S		19	30	
		ScS		21	59	
		LR		27	33	
		M		32	08	
	CHA	iP	17	12	23	CSW 6090
		iS		20	03	
	CAL	iP	17	12	39	6320
		iS		20	33	
	NDI	iP	17	13	00	CSW 6720
		i		13	04	
		PcP		13	48	
		PP		14	46	
		PPP		16	22	
		iS		21	15	
		PS		21	24	
		PPS		21	30	
		SS		25	05	
		i		25	24	
		SSS		27	44	
		LQ		28	06	
		LR		31	14	
	PBA	iP	17	13	08	C 6910
		PPP		17	05	
		iS		21	35	
		LQ		28	47	
		LR		32	17	
		M		36	28	
	SEH	iP	17	13	21	
	HYD	iP	17	13	49	7570
		PP		16	13	
		iS		22	49	
		PS		23	13	
		SS		26	49	
		LR		34	28	
		M		39	46	
	MDR	iP	17	13	54	E 7710
		PcP		14	15	
		PP		16	27	
		PPP		18	17	

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24	MDR	iS	17	23	01					
		PS		23	22					
		PPS		23	36					
		SKS/ScS		23	56					
		SS		27	33					
		SSS		30	28					
		LQ		31	50					
		M		41	13					
	BOM	iP	17	14	03	7850				
		PcP		14	21					
		iS		23	17					
		PPS		23	51					
		M		46	54					
	KOD	iP	17	14	23					
		i		24	23					
24	NDI	iP	17	58	57	CNE				
24	NDI	iP	18	00	54	RE				
24	NDI	iP	18	58	37	RE				
	SHL	iP	18	59	19	C				
	CHA	eP	18	59	38					
		e		19	01	39				
		i			04	51				
24	NDI	iP	19	00	15	CS				
	SHL	iP	19	01	19	C				
24	NDI	eP	19	02	15	CSE				
24	SHL	iP	19	04	33	C				
	NDI	iP	19	05	28	RNV				
24	BQM	iP	19	39	45	2165				
		e		40	05					
		PPP		40	21					
		iS		43	20					
		e		43	40					
		e		43	55					
24	NDI	iP	22	07	36	C				
24	CHA	i	22	21	13					
	NDI	iP	22	21	51	CNE				
25	NDI	iP	02	26	16	RNE				
25	NDI	iP	04	06	05	R				
25	NDI	iP	04	30	24	RS	1170			
		iS			32	24				
25	SHL	iP	07	44	02		180			
		Sg		44	26					
25	SHL	iP	09	05	02					
	CHA	eP	09	05	57		820			
		iS		07	22					
	TOC	e	09	06	10					
25	SHL	iP	09	15	37		250			
		Sg		16	14					
25	NDI	eP	11	34	50	R				

25	SHL	iPg	15	55	42	RN	70			
		Sg		55	50					
25	SHL	iP	17	32	27	C	230			
		P*		32	29					
		Pg		32	32					
		S		32	55					
		Sg		32	59					
25	CHA	i	17	34	46					
25	SHL	iP	18	13	28	C				
	CHA	e	18	13	47					
	DDI	iP	18	14	15	R				
	NDI	iP	18	14	24	CNE				
		i		14	36					
25	CHA	eP	19	50	55		2220			
		eS		54	35					
25	Epc:- 27.9°S 70.9°W in northern Chile. Felt: Copiapo and Vallender. h about 26 km(USCGS). -H= 19h 31m 07.0s. Mag. 6½(Pas)6(Brk), 6.1(CGS).									
	NDI	ePKP	19	50	55		16780			
		i		51	06					
		PP		54	40					
		PPP		58	20					
		e	20	05	02					
		PPS		07	52					
		SSP		14	38					
	DDI	iPKP	19	50	59	R				
	MDR	ePKP1	19	50	59		17000			
		ePKP2		51	22					
		e		52	34					
		e		54	28					
		PP		54	40					
	PBA	iPKP	19	51	06	C				
	BOK	iPKP1	19	51	07	C	17665			
		PKP2		51	43					
		PP		55	22					
	CHA	eP	19	51	09					
	SHL	iPKP	19	51	10	C				
		i		52	09					
		i		52	21					
		e		55	54					
25	NDI	iP	19	58	03	RN				
25	CHA	iPg	20	08	44	C	200			
		iSg		09	07					
	SHL	eP	20	09	53		310			
		P*		09	58					
		Pg		10	03					
		S		10	29					
		S*		10	34					
		Sg		10	39					

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25	Epc:- 2.9°N 128.2°E near north of Halmahera. h about 22 km. -H= 21h 29m 33.2s. Mag: 5.1(CGS).									
	PBA	eP	21	36	38					
	SHL	iP	21	37	20	C	4570			
		PP		38	44					
		PcP		39	10					
		PPP		39	22					
		S		43	34					
		LQ		47	14					
	CHA	eP	21	37	57					
		i		38	14					
		i		39	49					
	MDR	eP	21	38	15		5300			
		e		38	30					
		PP		40	09					
		PPP		40	58					
		eS		45	11					
		PS		45	16					
		PPS		45	23					
		LQ		44	40					
		LR		52	13					
		M		55	57					
	NDI	iP	21	39	03	RE	6000			
		iS		46	38					
	DDI	eP	21	39	05		6000			
		i		39	12					
		iS		46	40					
26	CHA	eP	00	14	27		220			
		eS		14	53					
26	CHA	eP	00	51	14		230			
		iS		51	41					
26	CHA	eP	01	24	46		260			
		eS		25	15					
26	CHA	eP	02	14	45		200			
		eS		15	11					
26	CHA	eP	02	26	56		220			
		iS		27	22					
		i		27	55					
26	SHL	iPg	05	26	16		90			
		P		26	18					
		Sg		26	26					
26	NDI	iPg	09	20	17.3	N	56			
		iSg		20	23.5					
26	CHA	i	14	15	20					
	SHL	iP	14	15	21	C				
26	SHL	iP/Pg	17	41	33	R	130			
		Sg		41	49					
	CHA	iP	17	42	16		310			
		eS		42	51					
26	SHL	iP	17	53	38	R	240			
		Sg		54	13					
	SHL	eP	18	38	38	R	170			
		Pg		38	45					
		S/Sg		39	00					
26	SHL	iP	18	43	51	C				
	CHA	i	18	44	11					
	DDI	iP	18	44	38	C				
	NDI	eP	18	44	47	CSW				
26	SHL	iP	19	53	28	C				
	NDI	iP	19	54	24	CNE				
26	SHL	iP	20	31	43	C				
26	NDI	iP	20	33	26	CSE				
	DDI	iP	20	33	27	R				
27	DDI	iP	00	26	07	C				
	NDI	iP	00	26	18	CSW				
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27 NDI iP 22 58 13 C
 27 DDI eP 22 58 21
 27 SHL iP 23 09 52 C
 CHA eP 23 10 11
 DDI iP 23 10 38
 27 NDI eP 23 10 48 CSW 6740
 eS 19 04
 28 CHA iPg 00 22 42 R 20
 iSg 22 44
 28 NDI iP 00 35 33 CNE
 28 CHA eP 06 07 25 150
 iSg 07 41
 28 SHL iP 06 28 32 C
 DDI iP 06 29 22 R
 NDI eP 06 29 37 CSW
 28 NDI eP 06 58 28 RSE
 28 NDI iP 18 18 09 RSW
 28 NDI iP 18 34 15 CSE
 28 Epc:- 51.2°S 139.0°E about
 1000 km. south west of
 Tasmania. h about 33 km(USCGS).
 -H=18h 40m 04.3s. Mag.5.3(CGS).
 PBA eP 18 51 40 8300
 iS 19 01 16
 PS 01 54
 SS 06 24
 LR 15 33
 M 20 24
 SHL iP 18 52 49 RS 9800
 PcP 53 05
 PP 56 10
 PPP 57 59
 SKS 19 03 15
 S 03 31
 PS 04 29
 SS 09 23
 SSS 11 11
 LQ 15 37
 M 22 20
 BOK iP 18 52 52 R 9755
 iSKS 19 03 23
 i 11 39
 MDR iP 18 53 04 E 10055
 PcP 53 17
 i 19 02 41
 iSKS 03 31
 CHA eP 18 53 09 10175
 iSKS 19 03 37
 KOD i 19 02 33
 CAL eSKS 19 03 26

NDI eSKS 19 04 06
 28 Epc:- 14.3°N 96.2°E in Andaman
 Islands region. h about 33 km.
 -H= 21h 38m 43.5s (USCGS).
 Mag: 5.5 (CGS).
 PBA iP 21 39 46 RNE 440
 PP 39 54
 PPP 39 58
 iS 40 34
 SS 40 50
 i 41 00
 i 41 24
 SHL iP 21 41 29 CN 1290
 S 43 41
 M 44 36
 CAL iP 21 41 32
 i 44 04
 i 44 54
 BOK iP 21 41 54 CN
 CHA eP 21 42 18 1830
 PP 42 29
 PPP 42 39
 iSS 45 22
 i 45 41
 MDR iP 21 42 22 W
 i 43 13
 i 43 27
 i 47 07
 KOD iP 21 43 00 E
 SEH iP 21 43 10
 i 43 34
 e 47 04
 i 47 09
 NDI iP 21 43 44 RSE 2490
 PP 44 12
 PPP 44 24
 PcP 47 36
 iS 47 46
 i 48 06
 SS 48 37
 SSS 49 08
 LR 49 44
 M 51 32
 Mn 53 -
 BOM iP 21 43 46 2510
 PP 44 16
 PPP 44 26
 iS 47 50
 LQ 48 13
 SS 48 37
 SSS 48 53
 LR 49 26
 DDI iP 21 43 51 CNE 2665
 PP 44 20
 PPP 44 32
 PcP 47 36

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28 DDI iS 21 48 06
 LQ 48 39
 SS 48 58
 SSS 49 13
 LR 49 57
 PcS 51 29
 M 51 56
 28 CHA iP* 22 12 41
 CHA i 22 13 03
 NDI eP 22 15 07
 28 NDI iP 22 16 31 RNW 950
 iS 18 09
 28 SHL iP 22 30 26 R
 28 Epc:- 14.1°N 96.1°E in Andaman
 Islands region. h about 14 km.
 -H=22h 46m 34.0s (USCGS).
 Mag: 5.6 (CGS).
 PBA iP 22 47 38 R 1080
 eS 49 28
 MDR e 22 48 13
 e 50 16
 e 50 54
 SHL iP 22 49 23 1250
 iS 51 31
 CAL eP 22 49 24 1285
 iS 51 36
 CHA e 22 50 08
 i 50 32
 i 52 51
 NDI eP 22 51 38 RS
 DDI eP 22 51 44
 28 CHA iP* 23 05 18
 29 NDI eP 02 15 10 950
 iS 16 47
 29 CHA iPg 04 23 12 60
 iSg 23 18
 29 CHA eP 04 46 38 310
 eS 47 13
 29 SHL eP 09 09 08 480
 eS 09 59
 29 CHA iP* 10 37 08
 i 37 09
 i 37 13
 29 NDI iP 12 46 33 CS
 29 Epc:- 14.3°N 96.1°E in Andaman
 Islands region. h about 33 km.
 -H= 13h 38m 52.3s (USCGS).
 PBA iP 13 39 55 R 1050
 iS 41 44
 SS 41 52
 SSS 42 07
 M 42 58

SHL iP 13 41 38 R
 MDR e 13 42 30
 e 48 37
 CHA e 13 42 55
 e 45 25
 NDI eP 13 43 52 RN
 29 CHA i 14 38 37
 29 NDI iP 16 43 19 RN 760
 iS 44 38
 29 SHL iP 19 09 25 R
 29 CHA iPg 22 59 21 C 210
 iSg 59 46
 30 SHL iP 00 09 15 C 220
 Pg 09 19
 Sg 09 46
 30 NDI iP 00 55 57 RW 660
 iS 57 06
 DDI e 00 57 45
 SEH i 00 58 04
 i 58 22
 i 58 52
 i 59 16
 i 59 53
 i 01 00 00
 30 CHA i 01 00 54
 30 BOK i 01 02 20
 30 MDR e 01 04 11
 e 04 31
 e 05 07
 30 NDI iP 05 35 24 C
 PBA i 05 36 00
 30 Epc:- 14.3°N 96.2°E in Andaman
 Islands region. h about 33 km.
 -H=22h 52m 19.4s. (USCGS).
 PBA eP 22 53 26
 i 55 11
 iS 55 20
 SHL iP 22 55 07 R 1220
 eS 57 12
 LR 58 10
 M 59 24
 CHA eP 22 55 59
 30 MDR e 22 56 03
 e 23 00 41
 NDI eP 22 57 20 R 2550
 eS 23 01 26
 DDI eP 22 57 33 2510
 eS 23 01 37
 31 NDI iP 04 15 10 CN
 i 15 14
 31 NDI eP 04 23 22 R

DATE STN PHASE H. M. S. △ △
KM KM

July, 1964.

31	CHA	iPg	06 03 24	420	31	NDI	iP	08 40 15	C
		iSg	04 14		31	CHA	iP	14 59 52	R
31	Epc:- 6.1°S 149.4°E in New Britain. Felt. h about 63 km. -H= 05h 52m 18.8s(USCGS). Mag: 5.9 (CGS).				31	NDI	iP	15 00 55	CE
		eP	20 52 15		31	NDI	eP	20 52 15	
		i	52 25						
	NDI	eP	06 04 07	CWN 8420	31	CHA	iPg	21 07 15	20
		PP	06 55				iSg	07 17	
		eS	13 49		31	NDI	eP	21 32 22	R
		SS	18 58		31	CHA	iPg	23 20 40	250
		SSS	22 36				iSg	21 10	
		LQ	25 06						
	DDI	eP	06 04 10		31	NDI	iP	23 55 44	R
		e	15 13						
	MDR	eP	06 04 30	9055	31	CHA	e	23 56 11	
		eS	14 23						
	CAL	eP	06 04 40						
		e	12 27						
	CHA	e	06 31 34						
31	PBA	ePg	08 36 05	R					
		i	36 33						
		i	36 44						

A list of felt earthquake reports for the month of July, 1964.

S.No.	Station	Date (GMT)	Time (GMT)	No. of shocks.	Duration (Secs.)	Intensity (R.F.Scale)	RKS.
1.	Srinagar	3.7.64	14 11	3 shocks with interval of 5 to 10 secs.	50 secs.	IV	
2.	Shillong	12.7.64	21 46	One	about 30 secs.	IV	
3.	Lumding	12.7.64	20 16	2 shocks with interval of 8 secs.	about 35 secs.	V	
4.	Lumding	13.7.64	10 59	One	2 to 3 secs.	V	
5.	Shillong	20.7.64	01 18	One	about 4 secs.	IV	

MICROSEISMIC TABULATION.

Date Hour GMT K Mean amplitude in m.m. Mean period in sec. Date Hour GMT K Mean amplitude in m.m. Mean period in sec.

Station: Shillong.

July, 1964.

Comp. E-W.

01	00	0,0	-	-	27	00	...	-	-
	06	0,0	-	-		06 to			
	12	0,0	-	-		18	0,0	-	-
	18	0,0	-	-					
02	00	0,0	-	-	28	00	0,0	-	-
	06 to					06	...	-	-
	12	0..	-	-		12	3	0.3	4.0
	18	0..	-	-		18	3	0.0	4.0
03	00 to				29	00	3	0.3	3.8
	18	0..	-	-		06	3	0.4	4.8
						12	3	0.4	4.8
						18	3	0.4	4.8
04	00	0..	-	-					
	06	3	0.4	4.8					
	12	3	0.4	4.6	30	00	3	0.4	5.0
	18	3	0.4	4.4		06	...	-	-
						12	...	-	-
05	00	3	0.4	4.4		18	3	0.3	4.8
	06	3	0.4	4.6					
	12	3	0.4	4.6	31	00	3	0.3	4.6
	18	3	0.4	4.6					
06	00	3	0.4	4.8					
	06	3	0.4	4.8					
	12	3	0.4	4.6					
	18	3	0.4	4.4					
07	00	3	0.4	4.4					
	06	3	0.3	4.4					
	12	3	0.3	4.4					
	18	3	0.3	4.2					
08	00	3	0.3	4.4					
	06 to								
	18	0..	-	-					
09 to									
12	00 to				02	00	1	1.8	5.8
	18	0..	-	-		03	1	1.4	5.5
						06	1	1.8	5.8
						12	1	1.8	5.7
						18	1	1.8	5.8
						02	00	1	1.8
						03	1	1.8	5.6
						06	1	1.9	5.6
						12	1	2.0	5.7
						18	1	2.1	5.7
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1	1.6	4.7
						12	1	1.6	4.7
						18	1	2.4	5.6
						03	00	1	2.3
						06	1	2.3	5.4
						12	1	2.7	5.6
						18	1	1.9	4.8
						03	00	1	1.4
						06	1		

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Station: Madras(Contd.)

July, 1964.

04	00	1	2.3	5.6	10	12	2	1.2	5.7
		1	1.5	4.7			2	0.8	4.4
		1	0.9	3.3		18	2	1.1	5.5
	03	1	2.2	5.6			2	0.8	4.5
		1	1.5	4.6			3	0.2	2.6
		1	0.7	3.2					
	06	1	2.1	5.7	11	00	2	1.1	5.5
		1	1.4	4.3			2	0.9	4.5
		1	0.9	3.3			3	0.2	1.8
	12	1	2.1	5.6		03	2	1.1	5.4
		1	1.2	4.4			2	0.9	4.5
		1	0.9	3.3			3	0.2	2.3
	18	2	2.0	5.7		06	2	1.1	5.5
		2	1.3	4.5			2	0.9	4.6
		1	0.7	2.5			3	0.2	2.4
						12	2	1.2	5.5
							2	0.9	4.6
							3	0.5	2.9
05	00	2	2.0	5.4		18	2	1.2	5.0
		2	1.3	4.4			3	0.5	2.8
		1	0.9	2.7					
	03	2	1.9	5.6					
		2	1.2	4.4					
		1	0.9	2.8	12	00	2	1.2	5.2
	06	2	2.1	5.5			3	0.3	2.1
		2	1.3	4.5		03	2	1.3	5.5
		2	0.7	2.7		06	1	1.3	5.5
	12	2	2.0	5.9		12	1	1.5	5.8
		2	1.3	4.5		18	1	1.5	5.8
		2	0.8	3.0					
	18	2	1.9	6.0	13	00	1	1.6	5.9
		2	1.1	4.4		03	1	1.7	5.8
		2	0.6	3.0		06	1	1.5	5.7
						12	1	1.5	5.7
						18	1	1.5	5.9
06	00	...	Earthquake.		14	00	1	1.6	6.0
	03	...	No record.			03 to 18	...	No record.	
	06	2	1.8	5.7					
	12	2	1.7	5.9					
	18	2	1.6	6.0					
07	00	2	1.6	6.0	15	00	...	No record.	
	03	2	1.7	5.9		03	1	1.3	5.9
	06	2	1.6	6.0		06	1	1.3	5.8
	12	2	1.6	6.1		12	1	1.4	5.8
	18	2	1.6	5.7		18	1	1.1	5.9
08	00	2	1.4	5.8	16	00	1	1.1	5.7
	03	2	1.3	5.9		03	2	1.1	5.8
	06	2	1.3	5.9			3	0.2	2.7
	12	2	1.4	5.8		06	2	1.1	5.7
	18	2	1.5	5.8			3	0.1	2.5
09	00	2	1.5	5.8		12	2	1.0	5.8
	03	2	1.4	5.6			3	0.2	2.7
	06	2	1.6	5.9		18	2	1.0	5.7
	12	2	1.4	5.5			3	0.2	2.7
	18	...	Earthquake.						
10	00	2	1.3	5.7	17	00	2	0.9	5.6
		2	0.7	4.6			3	0.2	2.5
	03	2	1.3	5.5		03	...	Earthquake.	
		2	0.8	4.5		06	2	1.0	5.5
	06	2	1.2	5.6			3	0.2	2.9
		2	0.7	4.5		12	...	No record.	
						18	2	0.9	5.5
							3	0.2	2.7

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Station: Madras (Contd.)

July, 1964.

18	00	2	0.9	5.7	24	12	2	0.7	4.6
	03	2	0.8	5.6		18	...	Earthquake.	
	06	2	0.8	5.7					
	12	2	0.8	5.7	25	00	2	0.8	4.8
	18	2	0.8	5.5			3	0.1	1.7
						03	2	0.7	4.7
19	00	2	0.8	5.4			2	0.2	1.5
		1	0.5	2.4		06	2	0.8	4.7
	03	2	0.7	5.4			2	0.2	1.6
		1	0.4	2.6		12	2	0.8	5.0
	06	2	0.8	5.3			3	0.1	2.0
		1	0.4	2.7		18	2	0.8	5.0
	12	2	0.8	5.3					
		2	0.3	2.6	26	00	2	0.9	4.9
	18	2	0.8	5.3		03	2	0.8	5.0
		3	0.3	2.7		06	2	0.8	5.0
						12	2	0.9	5.2
20	00	2	0.9	5.4		18	2	0.9	5.2
		1	0.2	1.8					
	03	2	0.9	5.5	27	00	2	0.9	5.2
		1	0.4	1.9		03	2	0.9	5.1
	06	2	0.9	5.1		06	2	0.8	5.1
		2	0.2	2.0		12	2	0.9	5.2
	12	2	0.8	5.1		18	2	0.8	5.2
	18	2	0.8	5.2					
21	00	2	0.8	5.1	28	00	2	0.7	5.1
		2	0.3	2.0		03	2	0.7	5.1
	03	2	0.8	4.9		06	2	0.7	5.0
		2	0.2	2.0		12	2	0.7	5.0
	06	2	0.7	4.9		18	2	0.7	5.0
		2	0.2	2.6					
	12	2	0.8	4.8	29	00	2	0.6	4.7
	18	2	0.2	2.4		03	2	0.5	4.6
		2	0.7	4.9		06	2	0.5	4.5
		2	0.2	2.5			3	0.1	2.5
						12	3	0.5	4.5
							3	0.1	2.7
22	00	2	0.7	4.7		18	3	0.4	4.5
		2	0.1	1.9			3	0.2	2.7
	03	2	0.7	4.7					
	06	2	0.7	4.7	30	00	3	0.4	4.4
	12	2	0.7	4.7			3	0.2	2.7
	18	2	0.7	4.8			3	0.1	1.7
23	00	2	0.6	4.6		03	...	No record.	
		3	0.1	1.6		06	...	No record.	
	03	2	0.6	4.7		12	3	0.4	3.4
		3	0.1	1.6		18	2	0.4	3.5
	06	2	0.7	4.6					
		3	0.2	2.1	31	00	2	0.5	3.6
	12	2	0.7	4.6		03	2	0.5	3.6
		3	0.2	2.3		06	2	0.5	3.6
	18	2	0.7	4.5		12	2	0.6	3.9
		3	0.1	1.9		18	2	0.6	3.7
							3	0.2	1.7
24	00	2	0.7	4.5					
		3	0.1	1.8					
	03	2	0.7	4.5					
		3	0.1	1.9					
	06	2	0.7	4.5					
		3	0.2	2.3					



Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Station: Bombay(Colaba)

July, 1964.

Station: Bombay(Colaba) (Contd.)

July, 1964.

01	00	3	3.3	4.0	06	00	-	-	-
			1.2	2.0		06	3	2.1	3.0
	06	3	3.2	4.0				2.9	4.0
			1.3	2.0		12	3	1.1	2.0
			1.9	2.9				3.0	4.0
	12	-	-	-				2.1	3.0
	18	3	3.8	5.7		18	3	1.2	2.0
			3.0	4.0				2.3	3.0
			1.5	2.0				3.1	4.0
			2.2	3.0				1.2	2.0
02	00	3	3.2	4.0	07	00	3	2.3	3.0
			2.1	3.0				0.9	2.0
			1.8	2.0		06	3	2.3	3.0
	06	3	2.7	3.0				1.3	2.0
			1.8	2.0		12	3	3.0	4.0
			2.8	4.0				1.4	2.0
	12	3	2.9	4.0		18	3	2.5	4.0
			2.6	3.0				1.2	2.0
	18	3	2.7	4.0				2.3	3.0
			2.6	3.0				1.1	2.0
			0.5	2.0					
03	00	3	2.6	3.0	08	00	3	2.2	3.0
			0.9	2.0				2.4	4.0
			3.3	4.0		06	3	1.1	2.0
	06	3	4.1	5.0				2.5	4.0
			1.4	2.0		12	3	1.9	3.0
			3.2	5.0				0.9	2.0
			3.0	2.0		18	3	2.5	5.0
	12	-	-	-				2.3	4.0
	18	3	1.5	3.0		18	3	1.7	3.0
			3.2	4.0				2.3	4.0
			3.0	5.0				0.5	2.0
04	00	3	2.9	4.0	09	00	3	1.9	4.0
			2.3	3.0				2.3	6.0
			0.9	2.0		06	3	0.5	2.0
	06	3	2.9	4.1				2.3	4.0
			2.0	3.0		12	3	2.0	3.0
			1.0	2.0				0.8	2.0
	12	3	2.6	4.0		18	3	2.4	4.0
			1.7	3.0				1.9	3.0
			1.0	2.0				2.5	6.0
	18	3	2.9	4.0				-	-
			2.2	3.0		10	00	1.6	4.0
			1.0	2.0				1.6	3.0
05	00	3	2.3	3.0		06	3	0.4	2.0
			3.1	4.0				2.1	4.0
			1.0	2.0		12	3	1.6	3.0
	06	3	2.7	4.0				0.6	2.0
			1.9	3.0		18	3	2.2	4.0
			1.0	2.0				1.6	3.0
	12	3	2.7	4.0				0.9	2.0
			2.2	3.0				2.1	4.0
			1.0	2.0				0.9	2.0
	18	3	2.3	3.0				1.5	3.0
			3.0	4.0					
			0.6	2.0					

11	00	3	1.8	3.0	16	00	3	1.2	3.0
			2.1	4.0				1.5	4.0
			2.0	5.0		06	3	1.5	4.0
			0.8	2.0				1.0	3.0
	06	3	1.9	3.0				0.6	2.0
			2.3	4.0		12	3	1.9	4.0
			0.8	2.0				1.5	3.0
	12	3	1.8	3.0				0.6	2.0
			2.3	4.0		18	3	1.5	4.0
			0.8	2.0				1.0	3.0
	18	3	2.6	4.0				0.5	2.0
			2.1	3.0					
			1.4	2.0		17	00	0.8	3.0
								0.9	4.0
12	00	3	1.9	3.0		06	3	0.9	3.0
			2.4	4.0				1.0	4.0
			1.0	2.0				0.5	2.0
	06	3	1.8	3.0		12	3	1.0	4.0
			1.3	2.1				1.0	3.0
			2.2	4.0				0.5	2.0
	12	3	3.0	4.0		18	3	1.0	3.0
			2.0	3.0				1.1	4.0
			0.9	2.0				0.5	2.0
	18	3	2.0	3.0					
			2.7	4.0		18	00	1.0	4.0
			1.0	2.0				1.0	3.0
								0.5	2.0
13	00	3	2.5	4.0		06	3	1.0	4.0
			2.2	3.0				0.7	3.1
			1.0	2.0				0.5	2.0
	06	3	2.0	3.0		12	3	1.1	4.0
			2.4	4.0				0.7	3.0
			1.2	2.0				0.5	2.0
	12	3	2.6	5.0		18	3	0.9	3.0
			2.2	4.0				0.6	2.0
			1.6	3.0				1.0	3.8
	18	3	2.7	4.0					
			2.0	3.0		19	00	1.0	4.0
			0.9	2.0				0.5	2.0
								0.7	3.0
14	00	3	2.5	4.0		06	3	1.1	4.0
			1.9	3.0				0.5	1.9
			1.0	2.0				0.7	3.0
	06	3	2.3	4.0		12	3	1.3	3.8
			1.6	3.0				1.0	3.0
			0.6	2.0				0.5	2.0
	12	3	2.4	4.0		18	-	-	-
			1.9	3.0					
			0.7	2.0		20	00	1.4	5.1
	18	3	1.7	4.0				0.3	1.8
			2.2	3.0		06	3	1.1	4.1
			0.8	2.0				1.0	3.0
15	00	3	2.0	3.0		12	3	1.3	4.1
			2.2	4.0				1.0	3.0
			1.0	2.0				0.5	2.0
	06	3	1.5	4.0		18	3	1.5	4.0
			1.3	3.0				2.0	5.0
			1.8	5.0				0.5	2.0
	12	3	2.0	4.0		21	00	1.3	4.0
			1.2	3.0				1.5	5.0
	18	3	1.5	4.0				0.4	1.8
			0.5	2.0					
			0.9	3.0					

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Visakhapatnam(Contd.)					July, 1964.				
15	00	1	0.7	6.1	27	12	2	0.5	5.3
	06	1	0.7	6.4		18	2	0.4	4.9
	12	1	0.7	5.8					
	18	1	0.6	5.8	28	00	2	0.5	5.2
16	00	1	0.5	5.7		06	E	-	-
	06	1	0.6	5.7		12	2	0.5	4.9
	12	1	0.6	5.8		18	2	0.5	4.7
	18	1	0.5	5.8	29	00	2	0.5	5.2
17	00	1	0.5	5.9		06	2	0.5	5.0
	06	2	0.4	5.4		12	2	0.4	4.6
	12	2	0.5	5.7		18	2	0.4	4.8
	18	2	0.5	5.8	30	00	2	0.5	4.8
18	00	2	0.4	5.4		06	2	0.5	4.3
	06	2	0.5	5.6		12	2	0.4	3.9
	12	2	0.6	5.3		18	2	0.4	3.9
	18	2	0.6	5.0	31	00	3	0.5	4.0
19	00	2	0.4	5.6		06	D	-	-
	06	2	0.4	5.9		12	3	0.4	3.5
	12	1	0.6	3.6		18	3	0.4	3.8
	18	2	0.5	5.0					
20	00	2	0.4	4.7					
	06	1	0.7	5.3					
	12	1	0.6	4.7					
	18	1	0.5	3.1					
21	00	2	0.4	3.5					
	06	1	0.4	3.2					
	12	1	0.5	3.2					
	18	1	0.4	3.2					
22	00	2	0.4	3.8					
	06	2	0.5	3.7					
	12	2	0.5	3.3					
	18	2	0.5	4.1					
23	00	2	0.4	3.9					
	06	2	0.5	4.6					
	12	2	0.5	3.8					
	18	2	0.5	4.4					
24	00	2	0.4	4.2					
	06	2	0.4	3.8					
	12	2	0.5	3.4					
	18	D	-	-					
25	00	2	0.4	4.2					
	06	2	0.5	4.6					
	12	2	0.4	4.5					
	18	2	0.4	5.0					
26	00	2	0.5	4.7					
	06	2	0.6	5.1					
	12	2	0.6	5.3					
	18	2	0.6	5.1					
27	00	2	0.5	5.1					
	06	2	0.6	5.1					

Date	Hour GMT	K	Mean amplitude in micron	Mean period in sec.

Station: Port Blair.					July, 1964				
Date	Hour GMT	K	Mean amplitude in micron	Mean period in sec.					
01	00	3	0.8	3					
	06	3	0.8	3					
	12	3	1.2	3					
	18	3	1.2	3					
02	00	3	1.2	3					
	06	3	1.2	3					
	12	3	0.8	3					
	18	3	1.2	3					
03	00	3	1.6	3					
	06	3	1.6	3					
	12	3	1.6	3					
	18	3	1.6	3					
04	00	3	1.2	3					
	06	3	1.2	3					
	12	3	1.2	3					
	18	3	1.2	3					
05	00	3	1.2	3					
	06	3	0.8	3					
	12	3	0.8	3					
	18	3	1.2	7					
			0.8	3					
			1.2	7					
06	00	...	-	-					
	06	3	0.8	3					
			1.2	7					

Date	Hour GMT	K	Mean amplitude in micron	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in micron	Mean period in sec.
Station: Port Blair(Contd.)					July, 1964.				
06	12	3	0.4	3	14	00	3	0.2	3
			1.2	7				0.8	7
	18	3	0.4	3		06	3	0.8	7
			1.2	7		12	3	0.8	7
07	00	3	0.4	3		18	3	0.8	7
			1.2	7	15	00	3	0.8	7
	06	3	0.4	3		06	3	0.8	7
			1.2	7		12	3	0.8	7
	12	3	0.4	3		18	3	0.8	7
			1.2	7	16	00	3	0.8	7
	18	3	0.4	3		06 to			
			1.2	7		18	...	-	-
08	00	3	0.4	3	17	00	...	-	-
			0.8	7		06	3	0.4	7
	06	3	0.8	7		12	3	0.4	7
	12	3	0.8	7		18	3	0.4	7
	18	3	0.8	7	18	00	3	0.4	7
09	00	3	1.2	7		06	3	0.4	7
	06	3	0.2	3		12	3	0.4	7
			0.8	7		18	3	0.4	7
	12	3	0.8	7	19	00	3	0.8	7
	18	...	-	-		06	3	0.8	6
10	00	3	0.2	3		12	3	0.4	6
			0.8	7		18	3	0.8	7
	06	3	0.2	3	20	00	3	0.8	7
			0.8	7		06	3	0.8	7
	12	3	0.2	3		12	3	0.4	3
			0.4	7		18	3	0.8	3
	18	3	0.2	3				0.4	3
			0.4	7				0.8	7
11	00	3	0.2	3	21	00	3	0.4	3
			0.4	7				0.8	7
	06	3	0.2	3		06	3	0.4	3
			0.4	7		12	3	0.2	3
	12	3	0.2	3		18	3	0.2	3
			0.4	7				0.8	7
	18	3	0.2	3	22	00	3	0.2	3
			0.4	7				0.4	7
12	00	3	0.2	3		06	3	0.2	3
			0.8	7		12	3	0.2	3
	06	3	0.2	3		18	3	0.2	3
			1.2	7				0.4	7
	12	3	0.2	3	23	00	3	0.4	7
			1.2	7		06	3	0.4	7
	18	3	0.2	3		12	3	0.4	7
			1.6	7		18	3	0.4	7
13	00	3	0.2	3				0.4	7
			1.6	7				0.4	7
	06	3	0.2	3				0.4	7
			1.6	7				0.4	7
	12	3	0.2	3				0.4	7
			1.2	7				0.4	7
	18	3	0.2	3				0.4	7
			1.2	7				0.4	7

Date	Hour GMT	K	Mean amplitude in micron	Mean period in sec.
Station: Port Blair (Contd.)				
24	00	3	0.2 0.4	3 7
	06	3	0.2 0.4	3 7
	12	3	0.2 0.4	3 7
	18	...	-	-
25	00	3	0.2 0.4	3 7
	06	3	0.2 0.4	3 7
	12	3	0.2 0.4	3 7
	18	3	0.2 0.4	3 7
26	00	3	0.2 0.4	3 6
	06	3	0.2 0.4	3 6
	12	3	0.2 0.4	3 6
	18	3	0.4 0.4	3 6
27	00	3	0.4	3
	06	3	0.4	6
	12	3	0.4	3
	18	3	0.4	6
28	00	3	0.2	7
	06	3	0.2	6
	12	3	0.2	7
	18	3	0.2	7
29	00	...	-	-
	06	3	0.2 0.2	3 7
	12	...	-	-
	18	3	0.2 0.2	3 7
30	00	3	0.4 0.8	3 7
	06	3	0.4 0.8	7 7
	12	3	0.8	7
	18	3	0.2 0.8	3 7
31	00	3	0.2 0.8	3 7
	06	3	0.4 0.4	3 7
	12	3	0.4 0.8	3 7
	18	3	0.4 0.8	3 7

July, 1964.

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Goa. Comp: Vertical.				
01 to 06	00 to 18		Time mark is absent.	
07	00 to 18	2	0.4	1.5
08	00 to 18	2	0.3	1.4
	06	3	0.3	1.8
	12	3	Light failure.	
	18	3	0.3	1.4
09	00 to 18	3	0.3	1.4
	06	3	0.3	1.5
	12	3	0.3	1.7
	18	3	0.3	1.4
10	00 to 18	3	0.2	1.4
	06	3	0.3	1.5
	12	3	0.3	1.4
	18	3	0.3	1.7
11	00 to 18	3	0.3	1.4
	06	3	0.2	1.5
	12	1	0.3	1.4
	18	1	0.3	1.4
12	00 to 18	1	0.3	1.3
	06	1	0.3	1.6
	12	1	0.3	1.7
	18	3	0.3	1.7
13	00 to 18	3	0.3	1.8
	06	2	0.5	1.2
	12	3	0.3	1.7
	18	3	0.3	1.7
14	00 to 18	3	0.2	1.5
	06	3	0.3	1.5
	12	3	0.3	1.6
	18	3	0.1	1.2
15	00 to 18	0,0	-	-
	06	2	0.3	1.6
	12	2	0.3	1.6
	18	3	0.3	1.5
16	00 to 18	3	0.2	1.5
	06	3	0.1	1.2
	12	1	0.2	1.5
	18	3	0.2	1.4
17	00 to 18	2	0.3	1.3
	06	3	0.1	1.6
	12	2	0.2	1.4
	18	3	0.2	1.4
18	00 to 18	3	0.1	1.3
	06	1	0.1	1.5
	12	3	0.1	1.4
	18	3	0.1	1.3

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Goa (Contd.) July, 1964. Comp: Vertical.				
19	00	1	0.1	1.4
	06	3	0.1	1.1
	12	1	0.1	1.3
	18	1	0.1	1.2
20	00	1	0.1	1.3
	06	1	0.1	1.4
	12	3	0.1	1.3
	18	3	0.1	1.3
21	00	3	0.1	1.2
	06	0,0	-	-
	12	3	0.1	1.2
	18	3	0.1	1.3
22	00	3	0.1	1.4
	06	3	0.1	1.4
	12	3	0.1	1.2
	18	3	0.1	1.3
23	00	3	0.1	1.4
	06	3	0.1	1.3
	12	3	0.1	1.4
	18	2	0.1	1.4
24	00	3	0.1	1.4
	06	3	0.1	1.3
	12	3	0.1	1.4
	18	3	0.1	1.4
25	00	3	0.1	1.3
	06	3	0.2	1.5
	12	3	0.1	1.5
	18	3	0.2	1.5
26	00	3	0.1	1.4
	06	1	0.1	1.4
	12	1	0.1	1.4
	18	3	0.1	1.4
27	00	3	0.1	1.3
	06	3	0.1	1.3
	12	3	0.1	1.3
	18	3	0.1	1.4
28	00	3	0.1	1.3
	06	3	0.1	1.3
	12	3	0.1	1.4
	18	3	0.1	1.4
29	00	3	0.1	1.3
	06	3	0.1	1.3
	12	3	0.1	1.3
	18	3	0.1	1.3
30	00	3	0.1	1.3
	06	3	0.1	1.2
	12	3	0.1	1.4
	18	3	0.1	1.3

July, 1964.

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Goa. Comp: E-W.				
01 to 07	00 to 18		Microseisms are interlaced.	
08	00	-	-	-
	06	3	1.8	5.0
	12	3	Light failure.	
	18	3	2.2	4.9
09	00	3	1.9	4.3
	06	3	1.7	4.7
	12	3	2.5	5.0
	18	-	-
10	00	3	2.0	5.0
	06	3	1.7	4.7
	12	3	1.5	4.5
	18	3	1.5	4.2
11	00	3	1.9	4.0
	06	3	1.3	4.6
	12	1	1.6	4.5
	18	1	1.5	3.8
12	00	1	1.8	4.6
	06	1	1.9	4.8
	12	1	1.9	5.0
	18	3	1.9	4.9
13	00	3	1.8	4.6
	06	2	1.8	4.9
	12	3	1.7	4.3
	18	3	1.7	5.0
14	00	3	1.9	4.9
	06	3	1.7	5.4
	12	3	1.9	5.2
	18	3	1.7	4.5
15	00	3	1.5	4.1
	06	2	1.8	4.5
	12	2	2.0	5.3
	18	3	1.6	4.9
16	00	3	1.7	5.1
	06	3	1.4	4.3
	12	1	1.2	4.3
	18	3	1.3	5.1
17	00	2	1.3	4.2
	06	3	1.3	4.2
	12	2	1.3	4.8
	18	3	1.5	5.2



Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Station: Goa (Contd.) Comp: E-W.

18	00	3	1.3	5.0
	06	1	1.0	4.9
	12	3	1.2	4.9
	18	3	1.2	5.3
19	00	1	1.1	5.0
	06	3	1.0	5.2
	12	1	1.3	4.9
	18	1	1.0	4.5
20	00	1	1.1	4.5
	06	1	1.2	5.0
	12	3	1.1	4.7
	18	3	1.3	4.8
21	00	3	1.2	4.5
	06	3	1.2	4.9
	12	3	1.2	4.3
	18	3	1.0	4.2
22	00	3	1.2	4.6
	06	3	1.7	4.2
	12	3	1.1	4.3
	18	3	1.1	4.1
23	00	3	1.1	4.4
	06	3	1.1	4.0
	12	3	1.1	4.6
	18	2	1.1	4.0
24	00	3	1.0	3.9
	06	3	1.5	4.3
	12	3	1.2	3.9
	18	-	-
25	00	3	1.2	4.8
	06	3	1.9	4.8
	12	3	1.4	4.8
	18	3	1.4	4.3
26	00	3	1.3	4.6
	06	1	1.2	4.6
	12	1	1.5	4.8
	18	3	1.5	5.0
27	00	3	1.4	4.9
	06	3	1.2	4.9
	12	3	1.5	4.5
	18	3	1.2	5.2
28	00	3	1.3	4.8
	06	3	1.4	4.9
	12	3	1.0	4.9
	18	3	0.9	4.5
29	00	3	1.0	4.8
	06	3	1.0	4.4
	12	3	1.1	4.4
	18	3	0.9	4.1
30	00	3	1.0	3.9
	06	3	0.8	3.8

July, 1964. Comp: E-W.

30	12	3	1.0	4.1
	18	3	0.9	3.7
31	00	3	0.9	3.7
	06	3	1.0	4.1
	12	3	0.9	4.4
	18	3	0.9	3.5
.....				
Station: Goa Comp.: N-S.				
01 to 00 to Microseisms are interlaced.				
07	18	-	-	-
08	00	-	-	-
	06	3	1.9	5.0
	12	Light failure.		
	18	3	2.0	4.7
09	00	3	1.9	4.4
	06	3	1.7	4.7
	12	3	2.3	5.5
	18	-	-
10	00	3	1.8	4.9
	06	3	1.8	5.0
	12	3	1.6	4.5
	18	3	1.3	3.9
11	00	3	1.8	5.0
	06	3	1.1	3.8
	12	1	1.3	4.3
	18	1	1.6	4.3
12	00	1	1.7	4.6
	06	1	1.8	4.4
	12	1	1.8	4.5
	18	3	1.7	5.1
13	00	3	1.9	4.9
	06	2	1.8	4.5
	12	3	1.8	4.9
	18	3	1.9	5.1
14	00	3	1.7	4.8
	06	3	1.9	5.6
	12	3	2.3	4.8
	18	3	1.7	4.8
15	00	3	1.8	4.5
	06	2	1.7	5.0
	12	2	1.9	5.4
	18	3	1.6	5.2
16	00	3	1.5	4.4
	06	3	1.9	4.9
	12	1	1.3	4.3
	18	3	1.9	4.8
17	00	2	1.5	5.2
	06	3	1.0	4.0

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
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Station: Goa (Contd.)

17	12	2	1.5	4.7
	18	3	1.8	5.0
18	00	3	1.3	4.6
	06	1	1.1	4.6
	12	3	1.1	4.4
	18	3	1.4	5.0
19	00	1	1.3	5.0
	06	3	1.0	4.8
	12	Microseisms interlaced.		
	18	1	1.5	4.9
20	00	1	1.2	5.1
	06	1	1.4	4.9
	12	3	1.0	4.6
	18	3	1.3	5.3
21	00	3	1.1	4.6
	06	3	2.0	4.1
	12	3	1.6	4.7
	18	3	1.0	4.4
22	00	3	1.3	4.3
	06	3	1.3	5.1
	12	3	1.2	4.3
	18	3	1.1	4.3
23	00	3	1.1	4.0
	06	3	1.3	4.2
	12	3	1.1	4.3
	18	2	1.5	4.3
24	00	3	1.1	3.9
	06	3	1.6	4.6
	12	3	1.2	3.9
	18	-	-

July, 1964. Comp.: N-S.

25	00	3	1.3	4.1
	06	3	2.1	5.1
	12	3	1.3	3.9
	18	3	1.2	4.1
26	00	3	1.4	5.1
	06	1	1.3	4.8
	12	1	1.7	4.6
	18	3	1.4	5.0
27	00	3	1.3	4.7
	06	3	1.3	4.9
	12	3	1.4	5.0
	18	Microseisms interlaced.		
28	00	3	1.3	4.9
	06	3	1.9	4.6
	12	3	1.2	4.5
	18	3	0.9	4.7
29	00	3	0.9	4.2
	06	3	1.3	4.2
	12	3	1.1	4.0
	18	3	1.0	4.2
30	00	3	1.2	4.3
	06	3	1.2	4.0
	12	3	0.8	4.2
	18	3	1.0	3.8
31	00	3	1.0	4.0
	06	3	1.1	3.7
	12	3	1.0	3.6
	18	3	0.9	3.3

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