International Seismological Centre From the ISC collection scanned by SISMOS

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

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Director General of Observatories

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Instruments and their Constants

STATION	INSTRUMENT	COMPT	PERIOD IN SECS	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
AGRA	Columbia Long Period Seismograph	E	To 15 Tg 100			15
		N	To 15 Tg 85			15
		Z	To 15 Tg 70			15
BOKARO	Milneshaw	N	12	250	20:1	16
	Milneshaw	E	12	250	20:1	16
	Wood Anderson	E	To 0.8	960	h 0.8	60
	Wood Anderson	N	To 0.8	1000	h 0.8	60
BOMBAY	Milneshaw	N	12	350	30:1	16
	Milneshaw	E	12	350	15:1	8
	Sprengnether	E	To Tg 7			30
CALCUTTA	Milneshaw	E	12	250	20:1	8
	Wood Anderson	N	2	870	Critical	30
	Omori Ewing	N	16	32		25.4
	Omori Ewing	E	21	30		25.4
DEHRA DUN	Wood Anderson	N	0.8	950	Critical	60
	Wood Anderson	E	0.8	850	Critical	60
	Milneshaw	N	12	250	20:1	8
	Milneshaw	E	12	250	20:1	8
HYDERABAD	Milneshaw	E	12	254	20:1	8
	Milneshaw	N	12	249	20:1	8
KODAIKANAL	Milneshaw	E	10	250	20:1	8
MADRAS	Sprengnether	E	To Tg 7.2			30
POONA	Sprengnether	Z	To Tg 1.6		Critical	30
	Wood Anderson	E	4	1000	20:1	15
	Milneshaw	N	12	300	20:1	8
PORT BLAIR	Wood Anderson	E	0.8	1000	h 0.8	30
	Wood Anderson	N	2.0	1000	20:1	30
	Milneshaw	E	12.0	250	20:1	8
SHILLONG	Wood Anderson	N	0.8	1000	h 0.8	30
	Wood Anderson	E	0.8	1000	h 0.8	30
	Milneshaw	N	12	350	20:1	8
	Benioff	Z	To 1.0 Tg 0.18			60
	Sprengnether	E	To Tg 6.6 To Tg 6.5 from 29.1.58		Critical	30
	Wenner Accelerograph					
TOCKLAI	Wood Anderson	E	0.8	1000	h 0.8	60
VIZIANAGRAM	Wood Anderson	E	0.8	1000	h 0.8	3
	Wood Anderson		2.0	1000	20:1	30

STATION	LATITUDE	LONGITUDE	HEIGHT a.s.l. (Metres)	LITHOLOGIC FOUNDATION
AGRA	27°10 N	78°02 E	169	Indo gangetic Alluvium
BOKARO	23°50 N	85°48 E		Rock
BOMBAY	18°54 N	72°49 E	6	Deccan Trap
CALCUTTA	22°32 N	88°22 E	7	Alluvium
DEHRA DUN	30°19 N	78°02 E	682	Gravel
HYDERABAD	17°26 N	78°27 E	536	Granite
KODAIKANAL	10°14 N	77°28 E	2346	Rock
MADRAS	13°00 N	80°11 E	15	
POONA	18°32 N	73°51 E	560	Deccan Trap
PORT BLAIR	11°40 N	92°43 E		
SHILLONG	25°34 N	91°53 E	1600	Quartzite Sand Stone(Shillong Quartzite)
TOCKLAI	26°45 N	94°46 E		Alluvium
VIZIANAGRAM	18°07 N	83°27 E		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
01	SHILLONG	Z	eP	00 43 37		Slight, near
01	SHILLONG	Z	eP	01 06 41		Slight, distant
01	SHILLONG	Z	iP	05 35 03		Slight, distant Compression
01	SHILLONG	Z	eP	07 26 50		Slight, near
			e	27 26		
01	SHILLONG	Z	eP	10 32 53		Tremor
01	SHILLONG	Z	iP	15 17 45		Slight, distant Rarefaction
01	SHILLONG	Z	e	15 32 23		Tremor
01	SHILLONG	Z	eP	16 27 21		Slight, near
02	SHILLONG	Z	iP	00 32 11		Slight, distant Compression
02	Epc: 36½°N, 22°E. Off South Coast of Greece. - H = 02h 08m 15s (U.S.C.G.S)					
	DEHRA DUN	N,E	eP	02 16 50		Feeble
			i	23 26		
	AGRA	N,E	iS	02 23 45		
	POONA	Z	iP	02 17 04		Feeble
	SHILLONG	Z	eP	02 18 00		Slight
02	SHILLONG	Z	e	10 07 49		Tremor
02	DEHRA DUN	N,E	e	12 17 22		Feeble
			i	17 32		
02	DEHRA DUN	N,E	e	12 20 08		Feeble
			i	20 20		
02	SHILLONG	Z	eP	13 05 14		Slight, near
			i	05 21		
02	SHILLONG	Z	iP	15 52 50		Slight, distant Compression
	DEHRA DUN	N,E	e	15 55 29		Feeble
02	SHILLONG	Z	iP	17 48 07		Slight, distant Rarefaction.
02	SHILLONG	Z	iP	20 27 26		Slight, distant Compression
02	SHILLONG	Z	e	21 02 49		Slight, distant
02	Epc: 45°N, 151°E. Kurile Islands. h about 60 km. - H = 21h 12m 07s (U.S.C.G.S).					
	SHILLONG	Z	iP	21 21 03		Slight Compression
	DEHRA DUN	N,E	e	21 46 47		Feeble
			i	46 56		
02	POONA	Z	eP	21 52 55		
02	SHILLONG	Z	e	23 35 40		Tremor
03	SHILLONG	Z	e	02 02 20		Tremor
03	SHILLONG	Z	eP	06 30 13		Slight, distant
03	SHILLONG	Z	e	08 01 27		Tremor
03	AGRA	Z,N,E	eP	09 30 55		Near
03	SHILLONG	Z,E	iP	09 45 08	280	Slight Compression
		N	eP			
		E	PPP	45 21		Magnitude=4¾
			S	45 39		
			SS	45 51		
	TOCKLAI	E	eP	09 45 13		Slight
			e	45 42		
03	CALCUTTA Contd.	N	e	09 45 54		Slight, near
			e	46 00		
		E	e	46 03		
			i	46 45		
		N	e	46 46		
	BOKARO	E	e	09 46 25		Slight
		N	i	47 39		
	POONA	Z	iP	09 52 19		Feeble
	BOMBAY	E	e	09 52 36		Tremor
		N	e	52 42		
		N,E	e	54 32		
		N	e	55 22		
03	SHILLONG	Z	eP	10 07 45		Slight, near
			e	07 53		
		N	e	07 55		
03	SHILLONG	Z	eP	10 09 48		Slight, distant
03	SHILLONG	Z	e	12 23 57		Slight, near
			e	24 14		
03	SHILLONG	Z	e	14 59 14		Tremor
03	SHILLONG	Z	eP	17 54 16		Slight, distant
03	Epc: 22°S, 65°E. Mascarene Islands Region - H = 17h 47m 12s (U.S.C.G.S)					
	KODAIKANAL	E	eS	17 59 35		
	POONA	Z	iP	17 55 03	4620	Slight
		N	e	18 00 49		
			eS	01 20		
			M	08 07		
	HYDERABAD	N	eP	17 55 05	4540	
			PP	56 47		
			eS	18 01 17		
			ScS	05 12		
			Lr	06 12		
		E	M	07 47		Per. = 15 secs μ = 4
		N	M	08 47		Per. = 16 secs μ = 7
	BOMBAY	N,E	eP	17 55 05	4590	Slight
			eS	18 01 20		
			PS	01 34		
	PORT BLAIR	E	eP	17 55 22	4890	Slight
			iS	18 01 55		
	CALCUTTA	E	e	17 56 25		Slight
			i	18 03 25		
	DEHRA DUN	N,E	e(P)	17 56 37		Feeble
	SHILLONG	Z	iP	17 56 40	6060	Slight
		E	iS	18 04 18		Rarefaction
	TOCKLAI	E	eP	17 57 00		Slight
03	SHILLONG	Z	e	22 06 22		Slight, distant
03	SHILLONG	Z	e	22 11 26		Tremor
03	CALCUTTA	E	e	22 21 39		
04	DEHRA DUN	N,E	e	02 14 53		Tremor
04	SHILLONG	Z	eP	06 22 55		Slight, near
			e	23 00		
04	SHILLONG	Z	eP	06 48 35		Slight, distant
	TOCKLAI	E	iP	06 48 37		Slight, distant First movement West.
04	SHILLONG	Z	eP	08 13 25		Slight, near
			e	13 46		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
04	Epc: 27°N, 92°E. India-Tibet Border - H = 08h 27m 53s (U.S.C.G.S). Mag: 5(Shillong) Felt: Shillong, Mazbat(Assam).					
	SHILLONG	Z,N,E	eP	08 28 26	160	
		N,E	iSg	28 46		
	CALCUTTA	N	e	08 29 32		
			e	29 48		
			e	30 04		
			e	30 24		
	BOKARO	N,E	eP	08 29 33	720	
		E	P*	29 48		
		N	eS	30 48		
		E	S*	31 08		
		N	Sg	31 30		
	DEHRA DUN	N,E	e	08 30 58		
			iS	33 11		
	POONA	Z	iP	08 32 22	1950	
		E	PP	32 37		
			PPP	32 46		
		N,E,Z	eS	35 51		
		E	Lq	36 05		
			SS	36 25		
			SSS	36 48		
			Lr	37 10		
			M	38 54		
			PcS	39 42		
	BOMBAY	N,E	eP	08 32 27	2290	
			eS	36 13		
			Lr	37 48		
	MADRAS	E	eP	08 35 11	2700	
			PP	35 50		
			PPP	36 01		
			PcP	38 31		
			iS	39 28		
			Lq	40 16		
			Lr	41 32		
04	SHILLONG	Z	eP	08 36 26		Slight, near
			e	36 47		
04	SHILLONG	Z	eP	08 54 27	110	Slight
			iPg	54 29		
			eSg	54 40		
04	SHILLONG	Z	e	09 01 24		Slight, near
04	SHILLONG	Z	eP	09 32 38		Slight, near
			e	33 03		
			e	33 23		
04	SHILLONG	Z	eP	09 58 25		Slight, near
			e	58 46		
04	SHILLONG	Z	eP	10 15 03		Slight, local
			e	15 19		
04	TOCKLAI	E	iP	11 31 23		Slight, distant First movement West
04	SHILLONG	Z	e	13 08 03		Slight, local
04	SHILLONG	Z	eP	13 11 38		Slight, near
			e	12 13		
04	SHILLONG	Z	iP	13 14 16		Slight, distant Compression
	POONA	Z	iP	13 15 44		
04	SHILLONG	Z	eP	13 28 29		Slight, local
			e	28 35		
04	SHILLONG	Z	eP	13 34 10		Slight, local
04	SHILLONG	Z	eP	13 43 16		Slight, local
			e	43 36		
04	SHILLONG	Z	iP	14 50 02		Slight, near Compression
	TOCKLAI	E	eP	14 50 24		Slight, near
04	SHILLONG	Z	e	15 32 07		Slight, near

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
04	SHILLONG	Z	eP	15 49 20		Slight, distant
	TOCKLAI	E	iP	15 49 21		Slight, distant First movement West
04	SHILLONG	Z	iP	18 10 01		Slight, distant Compression
04	SHILLONG	Z	e	19 48 03		Slight, near
04	SHILLONG	Z	iP	23 28 52		Slight, distant Compression
	POONA	Z	iP	23 29 51		
			i	30 13		
05	SHILLONG	Z	eP	02 51 39		Slight, distant
	TOCKLAI	E	eP	02 51 47		Slight, distant
05	Epc: 2°N, 122½°E. Celebes Sea. - h =about 550 km - H = 08h 05m 11s (U.S.C.G.S).					
	TOCKLAI	E	iP	08 11 35		Slight. First movement East
	SHILLONG	Z,E	iP◊	08 11 40		Slight
		N	eP◊			Compression
		E	iS	16 54		First movement East.
	BOKARO	N	eP	08 12 14		Slight
			eS	17 54		
	PORT BLAIR	E	iP	08 12 15		Slight
			iS	17 52		
	MADRAS	E	eP	08 12 25		Moderate
			PP	13 56		
			PPP	14 21		
			iS	18 15		
			SS	21 04		
			ScS	22 03		
			Lr	23 09		
	AGRA	E,N	eP◊	08 13 12		Rarefaction
		Z	iP◊			
		Z,N,E	iPP	14 46		
			iPPP	15 34		
		Z	i	17 30		
		Z,N,E	iS	19 42		
		E	iSS	22 10		
			iSSS	23 20		
	DEHRA DUN	N,E	eP	08 13 22		Slight
		N	PP	15 09		
			PPP	15 39		
			eS	19 55		
			SSS	24 07		
			Lr	26 05		
			M	30 01		
	HYDERABAD	E	e	08 14 09		
			iS	18 53		
		N	M	23 46		Per. = 9 secs μ = 4
	POONA	Z	eP	08 13 23		Slight
		N,E	PP	14 56		
			iS	19 55		
		E	PS	19 59		
		N	SS	22 53		
			Lq	23 40		
			Lr	25 34		
	BOMBAY	E	e	08 15 02	6470	Slight
		N,E	e	20 08		
			e	23 03		
05	SHILLONG	Z	eP	11 25 21		Slight, near
			e	25 53		
05	Epc: 55°N, 122½°E. - H = 11h 30m 44s (Shillong) 56½°N, 121°E. Stanovoi Mountains Region, Siberia. - H = 11h 30m 44s (U.S.C.G.S)					
	TOCKLAI	E	eP	11 37 52		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
05 Contd	SHILLONG	Z, E	iP∂	11 38 00	4160	Moderate
		N	eP∂			Rarefaction
		N, E	iS	43 49		First movement
		E	SS	46 25		East.
			SSS	47 00		
			Lr	48 28		
			M	51 17		
	DEHRA DUN	N, E	eP	11 38 22	4420	Moderate
		N	PP	40 00		
			iS	44 27		
			PPS	44 49		
			SS	47 26		
			Lq	47 36		
			SSS	47 57		
			M	52 47		
	CALCUTTA	E	eP	11 38 31	4620	Moderate
			eS	44 48		
			SS	47 45		
			Lq	48 07		
			SSS	48 26		
	BOKARO	N, E	eP	11 38 37	4690	
		N	eS	44 58		
			Lq	48 25		
			Lr	50 23		
			M	53 57		Per. = 19 secs
						μ = 40
	AGRA	Z, N, E	iP	11 38 44	4450	First movement
		Z	i	39 34		North and East
		Z, N	iPP	40 21		Rarefaction
		Z, N, E	iSS/Lq	48 19		
		E	i	49 39		
		Z	i	55 35		
		Z, N, E	M	52 43		Per. = 24 secs
			iS	45 03		Amp. = 25 mm
	HYDERABAD	N	iP	11 39 41	5630	First movement
			PP	41 44		north
			iS	46 56		
			PS	47 16		
			SS	50 38		
			Lr	53 35		
		E	M	58 08		Per. = 18 secs
						μ = 24
		N	M	58 29		Per. = 15 secs
						μ = 19
	PORT BLAIR	E	iS	11 46 56		Slight. P not recovered.
	POONA	Z	iP	11 39 56	5770	Moderate
		N	PP	41 43		
		N, E	iS	47 19		
		N	PS	47 38		
			SS	50 51		
			SSS	52 19		
			Lr	55 00		
			M	58 41		
	BOMBAY	N, E	eP	11 40 02	5750	
		N	e	42 01		
		N, E	eS	47 23		
		E	SSS	52 20		
			M	59 24		Per. = 17 secs
						μ = 5
		N	M	12 01 14		Per. = 11 secs
						μ = 3
	MADRAS	E	eP	11 40 09	6000	Moderate
			PcP	41 03		
			eS	47 44		
			PS	47 54		
			PPS	48 02		
			ScS	49 37		
			SS	51 29		
			Lq	53 37		
			Lr	56 04		
05	SHILLONG	Z	iP	12 39 20		Slight, distant Compression
05	TOCKLAI	E	iP	17 15 55		Slight, near First movement East.
05	DEHRA DUN	N, E	e	22 44 05		Feeble
			i	45 37		
	AGRA	Z, N, E	eP	22 46 29		Compression

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
06	Epc: 37½°N, 71°E. Hindukush. - H = 01h 54m 30s (U.S.C.G.S)					
	DEHRA DUN	N, E	eP	01 56 42	900	Moderate
		N	PP	56 48		
			PPP	56 56		
			Lq	57 59		
			iS	58 15		
			SS	58 26		
			SSS	58 37		
			Sg/M	59 04		
	AGRA	Z, N, E	iP	01 57 18	1130	Moderate. First
			eS	59 14		movement North and EWest Rarefaction
	BOKARO	N, E	eP	01 58 45	1850	Slight
			iS	02 01 50		
	BOMBAY	N, E	eP	01 58 45	2050	Slight
			PP	59 02		
		E	PPP	59 12		
		N	PPP	59 16		
		E	e	59 36		
		N, E	eS	02 02 08		
		E	Lq	02 16		
		N, E	SS	02 24		
			SSS	02 38		
		E	Lr	02 54		
	POONA	Z, N, E	iP	01 58 53	2210	Slight
		E	PP	59 39		
			iS	02 02 32		
			Lq	02 41		
			SS	03 00		
			SSS	03 17		
	HYDERABAD	N	iP	01 59 11	2340	First movement
			PP	59 38		North
			iS	02 03 02		
			Lq	03 22		
			SS	03 50		
			Lr	04 44		
		E	M	05 26		Per. = 6 secs
						μ = 4
		N	M	05 35		Per. = 7 secs
						μ = 5
	SHILLONG	E	iP∂	01 59 18	2570	Slight. First
		N	eP∂			movement West
		E	sP	59 57		Depth = 100 KmsCa.
			iS	02 03 03		
			sS	03 36		
			SSS	04 03		
	CALCUTTA	N, E	iP	01 59 24	2250	Slight. First
		N	iS	02 03 03		movement South
		E	iS	03 06		and East
	TOCKLAI	E	eP	01 59 32		Slight
06	KODAIKANAL	E	e	02 05 41		
06	SHILLONG	Z	iP	09 58 41		Slight, distant Compression
06	SHILLONG	Z	eP	10 20 15		Slight, local
06	Epc: 28°N, 97°E. Indo-Burma Border - H = 11h 24m 05s (Shillong) 26°N, 96½°E. Burma. - H = 11h 24m 11s (U.S.C.G.S) Magnitude = 5¾(Shillong).					
	TOCKLAI	E	iP	11 24 58	370	First movement
			e	25 00		West
			eS	25 38		
	SHILLONG	Z	iP∂	11 25 20	540	Rarefaction
		N, E	eP∂			
		E	iPg	25 39		
		N, E	iS	26 17		
		E	S*	26 30		
			Sg	26 45		

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January 1958								
06 Contd.	CALCUTTA	N,E	eP	11	26	21	1030	
		N	Lq		27	53		
		N,E	eS		28	07		
	BOKARO	N,E	eP	11	26	37		
		N	i		27	14		
			i		29	49		
			e		30	30		
			i		30	37		
	AGRA	Z	iP	0 11	28	06	1650	Compression
		N,E	eP	0				First movement
		N	i		30	46		West.
		Z,N,E	iS		30	58		
			i		31	12		
		Z,N	i		31	44		
			i		32	10		
			i		32	32		
		Z,N,E	M		32	54		Per. ≃ 15 secs Amp. ≃ 28 mm
	DEHRA DUN	N,E	e	11	28	19		
			i		31	11		
			i		32	56		
	HYDERABAD	N	iP	11	28	35	2160	First movement
			iS		32	09		North
			SS		32	59		
			Lr		33	56		
			M		34	41		Per. ≃ 12 secs μ ≃ 8
	MADRAS	E	iP	11	28	48	2310	First movement
			PP		29	11		East
			PPP		29	23		
			eS		32	36		
			Lq		32	52		
			Lr		33	58		
			M		35	44		
	POONA	Z	iP	11	29	12	2510	
		E	PP		29	32		
			PPP		29	45		
			iS		33	16		
			Lq		33	37		
			SSS		34	05		
			Lr		34	35		
			M		36	17		
	BOMBAY	N,E	eP	11	29	21	2620	Slight
			PP		29	44		
			PPP		30	15		
			eS		33	33		
			Lq		34	05		
		N	SS		34	21		
		E	SSS		34	33		
		N	Lr		35	05		
06	SHILLONG	Z	eP	14	07	36		Slight, near
06	SHILLONG	Z	eP	15	52	52		Slight, local
06	SHILLONG	Z	eP	18	31	59		Slight, near
			e		32	29		
06	SHILLONG	Z	iP	19	59	14		Slight, distant Rarefaction
06	TOCKLAI	E	e	23	33	26		Slight, near
			eP		33	31		
	SHILLONG	Z	eP	23	33	32		Slight, near
			e		34	20		
07	SHILLONG	Z	iP	01	03	10		Slight, near
			e		04	03		
	TOCKLAI	E	eP	01	03	12		Slight, near
07	SHILLONG	Z	eP	01	42	35		Slight, near
			e		43	05		
07	Epc: 39°N, 70°E. Tadzhik, U.S.S.R. - H ≃ 06h 05m 08s (U.S.C.G.S)							
	DEHRA DUN	N,E	eP	06	07	47	1100	Slight
		N	iS		09	39		
			SS		10	00		
			SSS		10	22		
			M		10	56		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
January 1958								
07 Contd.	AGRA	Z,N,E	eP	06	08	20		Moderate. First
		Z	i		10	40		movement East
		Z,N,E	i		11	12		and South
		Z,N	i		11	36		Compression
		Z,N,E	i		12	00		
	BOMBAY	N,E	eP	06	09	46	2300	Slight
		N	e		10	00		
		N,E	eS		13	33		
		N	Lq		13	38		
			SS		14	06		
			SSS		14	12		
	SHILLONG	Z,N	eP	06	10	09		Record partly lost.
		N	M		21	42		Per. ≃ 8 secs μ ≃ 3
	HYDERABAD	N	eP	06	10	12		
			M		16	57		Per. ≃ 6 secs μ ≃ 4
	MADRAS	E	eS	06	15	21	2510	Moderate
			e		15	52		
			e		16	06		
			i		19	25		
			e		19	51		
			e		20	15		
			e		20	31		
			e		20	56		
			e		22	56		
	KODAIKANAL	E	e	06	17	33		Tremor
07	SHILLONG	Z	eP	22	39	55		Slight, local
			e		40	10		
08	SHILLONG	Z	eP	06	20	08		Slight, local
			e		20	17		
08	SHILLONG	Z	eP	14	45	55		Slight, distant
08	SHILLONG	Z	iP	15	35	35		Slight, distant Rarefaction
08	SHILLONG	Z	iP	15	51	04		Slight, distant Rarefaction
08	SHILLONG	Z	iP	16	23	52		Slight, distant Compression
08	SHILLONG	Z	eP	16	57	12		
08	SHILLONG	Z	eP	21	45	41		Slight, distant
09	SHILLONG	Z	iP	01	25	42		Slight, distant Compression
09	SHILLONG	Z	eP	05	23	06		Slight, near
			i		23	25		
09	SHILLONG	Z	eP	09	16	24		Slight, near
			e		17	01		
09	SHILLONG	Z	eP	10	25	01		Slight, distant
09	SHILLONG	Z	e	10	33	14		Tremor
09	SHILLONG	Z	iP	11	24	03		Slight, distant Compression
09	SHILLONG	Z	e	14	16	12		Tremor
09	SHILLONG	Z	iP	14	53	36		Slight, distant Compression
	PORT BLAIR	E	i	14	55	15		Slight
09	SHILLONG	Z	eP	15	39	41		Slight, near
			e		40	13		
	TOCKLAI	E	eP	15	39	49		Slight, near
			e		39	57		
			e		40	14		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
09	Epc: 44½°N, 84°E. Sinkiang Province, China. - H = 17h 39m 21s (Shillong) 44½°N, 85°E. Sinkiang Province, China. - H = 17h 39m 24s (U.S.C.G.S)					
	DEHRA DUN	N,E	eP	17 43 07	1650	Slight
		N	iS	45 53		
			SS	46 12		
			SSS	46 30		
			M	47 43		
	AGRA	Z,E	iP	17 43 41	2000	Rarefaction
		Z	i	43 51		First movement
		E	i	44 21		East.
		Z,E	iS	47 09		
		Z	i(?)	48 37		
		Z,E	M	49 45		Per. = 15 secs Amp. = 25 mm
	SHILLONG Contd.	Z,N,E	iP	17 44 00	2250	Moderate. First
		E	iS	47 42		movement South
			i	47 57		and West.
			i	48 06		Compression
			i	48 19		Depth = 60 km ca.
			i	48 26		
	BOKARO	N,E	iP	17 44 13	2360	Slight. First
		N	pP	44 22		movement South
			PPP	44 54		
			iS	48 05		
			sS	48 28		
			Lq	48 37		
			Lr	49 39		
	CALCUTTA	N	iP	17 44 28	1540	Slight. First
		E	eP	44 29		movement South
			eS	48 30		
			SS	48 56		
	BOMBAY	N,E	eP	17 45 18		Slight
			e	50 22		
		E	e	50 38		
			e	51 15		
			e	51 44		
	POONA	Z	iP	17 45 19	3070	
		N	eS	50 00		
			Lq	50 56		
			SS	51 21		
			SSS	51 41		
			M	54 45		
			ScS	56 15		
			Mn	56 --		Per. = 18 secs μ = 20
	HYDERABAD	N	eP	17 45 22	3060	
			iS	50 03		
			Lq	50 40		
			Lr	54 26		
			M	57 41		Per. = 15 secs μ = 7
	MADRAS	E	eP	17 45 54	3700	Moderate
			PP	47 02		
			eS	51 06		
			ScP	51 58		
			Lq	53 05		
			SSS	53 33		
			Lr	54 41		
	PORT BKAIR	E	eS	17 51 34		Slight
	KODAIKANAL	E	e	17 53 50		Tremor
09	SHILLONG	Z	iP	21 46 22		Slight, distant Compression
10	TOCKLAI	E	iP	00 15 37	170	Slight. First
			Pg	15 39		movement East
			S	15 57		
			Sg	15 59		
	SHILLONG	Z	iP◊	00 15 42	220	Slight Rarefaction
		N,E	eP◊			
		E	ePg	15 47		Felt: Shillong,
			i	15 51		Mazbat.
			eS	16 07		Mag: = 4½
			eSg	16 12		(Shillong)
10	SHILLONG	Z	iP	07 56 20		Slight, near
			i	56 52		
10	SHILLONG	Z	eP	11 47 12		Slight, near
			i	47 25		
10	SHILLONG	Z	iP	13 48 51		Slight, distant Rarefaction
10	SHILLONG	Z	eP	15 18 13		Slight, distant
10	SHILLONG	Z	ePg	15 18 43	100	Slight,
			eSg	18 55		local
10	SHILLONG	Z	eP	15 35 40		Slight, near
10	SHILLONG	Z	iP	17 31 19		Slight, distant Rarefaction
10	SHILLONG	Z	eP	17 44 37		Slight, local
10	SHILLONG	Z	eP	18 09 01		Slight, near
			i	09 59		
10	SHILLONG	Z	eP	19 23 26		Slight, near
			i	23 59		
10	SHILLONG	Z	iP	23 01 53		Slight, distant Compression
10	SHILLONG	Z	iP	23 05 58		Slight, distant Compression
10	SHILLONG	Z	eP	23 07 46		Slight, near
11	SHILLONG	Z	eP	08 47 53		Slight, distant
11	SHILLONG	Z	iP	09 39 20		Slight, near
			i	39 43		Rarefaction
11	SHILLONG	Z	ePg	10 25 59	110	Slight
			eSg	26 10		
11	Epc: 23½°S, 177°W. Tonga Islands Region - H = 13h 18m 47s (U.S.C.G.S).					
	PORT BLAIR	E	e	13 33 06		Slight
			i	42 27		
	SHILLONG	Z	eP	13 32 36		Slight
		E	iP	42 55		
	TOCKLAI	E	i	13 42 49		Slight
	MADRAS	E	e	13 36 40		
			e	37 32		
			e	43 28		
			e	44 39		
			e	46 12		
	CALCUTTA	E	i	13 38 06		Slight
			i	43 08		
	DEHRADUN	N,E	e	13 38 35		Feeble
			i	43 54		
			i	45 50		
			i	47 13		
	BOMBAY	E	e	14 37 33		Very slight
		N,E	e	44 00		
11	SHILLONG	Z	iP	21 13 59		Slight, distant Rarefaction
			i	15 03		
	TOCKLAI	E	iP	21 14 05		Slight, distant First movement West.
11	SHILLONG	Z	iP	23 29 23		Slight, distant Rarefaction
12	SHILLONG	Z	eP	00 17 33		Slight, near
			e	18 02		
	TOCKLAI	E	eP	00 18 37		Slight, near
12	SHILLONG	Z	eP	00 18 51	330	Slight
			P*	18 57		
			PP	18 59		
			ePg	19 02		
			PPP	19 05		
			Sg	20 03		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
12	SHILLONG	Z	iPg	12 58 12	140	Slight
			PP	58 19		Rarefaction
			PPP	58 23		
			eSg	58 27		
12	SHILLONG	Z	eP	15 44 52		Slight, near
			i	45 12		
12	SHILLONG	Z	iP	19 07 34		Slight, near
			i	07 48		Rarefaction.
12	TOCKLAI	E	e	23 41 31		Slight, distant
	SHILLONG	Z	e	23 41 59		Slight, distant.
13	POONA	Z	i	00 10 24		Feeble, near
			i	10 38		
13	Epc: 52½°N, 177°E. Rat Islands, Aleutian Islands. h about 100 km. - H = 00h 02m 24s (U.S.C.G.S).					
	SHILLONG	Z,E	iP◊	00 13 07		Slight. First movement East
		N	eP◊			
		E	i	13 49		Rarefaction.
		N,E	iS(?)	21 50		
		E	i	22 37		
	TOCKLAI	E	e	00 13 24		Slight
	CALCUTTA	E	iS	00 22 46		
			i	23 31		
	DEHRA DUN	N,E	e	00 22 38		
	POONA	Z	iP	00 14 41		Feeble
			i	15 09		
			i	15 17		
	MADRAS	E	i	00 18 14		Feeble
13	SHILLONG	Z	iP	03 05 46		Slight, distant Compression
	POONA	Z	iP	03 07 58		Feeble
			i	08 10		
	BOMBAY	N,E	e	03 19 43		
13	TOCKLAI	E	eP	12 01 57		Slight, near
			i	02 08		
	SHILLONG	Z	iP◊	12 02 29	510	Slight Rarefaction Felt: Dibrugarh
		N,E	eP◊			
		Z,N,E	iS	03 24		
	CALCUTTA	E	e	12 05 29		Tremor
			i	06 21		
13	TOCKLAI	E	eP	12 25 04		Slight, near
			i	25 15		
	SHILLONG	Z	iP◊	12 25 36	510	Slight Rarefaction Felt: Dibrugarh
		N,E	eP◊			
		Z,N,E	iS	26 31		
	CALCUTTA	E	i	12 29 29		Tremor
			i	31 34		
	BOMBAY	N	e	12 36 14		Slight
		N,E	e	36 29		
		N	e	43 23		
13	TOCKLAI	E	e	13 08 06		Slight, near
	SHILLONG	Z	e	13 08 29		
			e	09 14		
13	SHILLONG	Z	iP	13 27 37		Slight, distant Compression
13	SHILLONG	Z	iPg	16 26 06	80	Feeble
			iSg	26 15		
13	SHILLONG	Z	i	16 45 03		
			i	45 35		
	TOCKLAI	E	eP	16 45 22		Slight

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
13	SHILLONG	Z	iPg◊	16 56 02	130	Feeble Compression
		N,E	ePg◊			
		Z	iSg	56 18		
13	Epc: 12½°N, 92½°E. Andaman Islands - H = 20h 14m 39s (Shillong) 11½°N, 92½°E. Andaman Islands. Slight damage at Port Blair. - H = 20h 14m 27s (U.S.C.G.S) Magnitude = 6 (Shillong).					
	VIZIANAGRAM	N,E	iP	20 17 13	1080	First movement South and East
			iS	19 04		
		N	i	19 23		
			i	19 33		
			i	19 43		
	CALCUTTA	N,E	eP	20 17 22	1160	
			iS	19 20		
		E	Lr	19 44		
			M	20 51		
	MADRAS	E	iP	20 17 30	1290	First movement West.
			PP	17 39		
			PPP	17 45		
			Lq	19 34		
			eS	19 41		
			Lr	20 04		
			i	29 32		
			i	29 40		
			i	31 26		
			i	32 01		
	BOKARO	N,E	iP	20 17 42	1420	First movement
		N	PP	17 50		South and West
			PPP	18 11		
			Lq	19 48		
			iS	20 06		
			SS	20 14		
			SSS/Lr	20 26		
			M	21 54		
	SHILLONG	Z,E	iP◊	20 17 48	1450	Rarefaction
		N	eP◊			First movement
		E	PP	18 02		East
		N,E	iS	20 15		
		E	SS	20 29		
			Lr	20 43		
	TOCKLAI	E	eP	20 18 06		Slight
	HYDERABAD	N	PP	20 18 08		
			iS	20 36		
			Lr	21 44		
			M	22 50		Per. = 8 secs ⊔ = 6
	POONA	Z	iP	20 19 01	2130	
		N	PP	19 15		
			iS	22 34		
			SS	22 56		
			SSS	23 17		
			Lr	24 11		
			ScS	28 05		
	BOMBAY	N,E	eP	20 19 15	2170	
		N	PP	19 25		
		E	PP	19 30		
		N	PPP	19 38		
		E	PPP	19 45		
		N,E	eS	22 49		
		E	SS	23 10		
		N,E	SSS	23 15		
		E	Lr	23 37		
	DEHRA DUN	N,E	eP	20 19 39	2500	
		N	PP	19 59		
			PPP	20 26		
			iS	23 42		
			Lq	24 29		
			SS	24 47		
			SSS	25 04		
			Lr	25 31		
			M	27 31		
	AGRA	Z,N,E	iP	20 20 15	2170	Rarefaction
			iPP	20 42		First movement
			iPPP	20 55		South and East
						Probable correction minus 1 minute.
			iS	23 50		Per. = 24 secs
			M	26 42		Amp. = 40 mm

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
13	DEHRA DUN	N,E	e	21 23 51		Tremor
14	SHILLONG	Z	iP	01 44 53		Slight, distant Compression
14	SHILLONG	Z	i	07 21 32		Tremor
14	SHILLONG	Z	iP	07 33 41		Slight, distant Compression
14	SHILLONG	Z	eP	08 53 53		Slight, distant
14	TOCKLAI	E	eP	13 04 18		Slight, near
			i	04 34		
	SHILLONG	Z	eP	13 04 47	360	Slight
			ePg	04 58		
			S*	05 31		
			SS	05 34		
			iSg	05 39		
			SSS	05 47		
14	SHILLONG	Z	e	13 31 26		Feeble, local
14	SHILLONG	Z	iP	13 42 58		Slight, distant Compression
14	SHILLONG	Z	iP	13 43 03		Slight, distant Rarefaction
14	SHILLONG	Z	eP	17 56 00		Feeble, local
			e	56 07		
14	SHILLONG	Z	eP	18 29 24		Feeble, local
			e	29 31		
14	SHILLONG	Z	e	19 13 06		Slight, distant
14	SHILLONG	Z	iP	19 13 38		Slight, distant Rarefaction
14	SHILLONG	Z	eP	19 15 47		Slight, near
			i	16 18		
14	SHILLONG	Z	e	23 27 45		Tremor
15	SHILLONG	Z	iP	04 18 24		Slight, distant Compression
15	SHILLONG	Z	e	05 35 41		Feeble, local
			e	35 52		
15	SHILLONG	Z	eP	07 08 45		Slight, near
			e	09 00		
15	SHILLONG	Z	ePg	08 39 40	140	Slight, near
			eSg	39 56		

15 Epc: 16½°S, 71½°W. Southern Peru. Extensive property damage, 21 killed, 90 injured. - h about 100 km - H = 19h 14m 29s (U.S.C.G.S.). Magnitude =7(Pas), 6¾(Berk).

POONA	Z	PKP1	19 34 07	15890	
	N	PP	37 01		
		PKS1	37 21		
		PPP	40 17		
		SKS2	41 18		
		PKKS	46 34		
		PS	47 41		
		PPS	49 59		
		SKKS2	50 47		
		SS	56 17		
		SSS	20 01 45		
		SSP	09 51		
		Lq	14 50		
AGRA	Z,N,E	iPKP	19 34 10		Compression
	Z	iPP	35 10		First movement
	Z,E	iPPP	37 50		North and East
	Z	iSKS	41 10		
	Z,N,E	iPS	44 30		
	N	iPPS	46 42		
	E	i(?)	48 34		
	Z,N,E	iSS	50 40		Per.=51 secs
		iSSS	56 43		Amp.=47 mm

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
15 Contd.	BOMBAY	N,E	ePKP1	19 34 11	16130	
		N	e	35 25		
			PP	37 46		
			PKS2	38 09		
		E	eSS	56 13		
		N	eSS	56 21		
			SSP	57 03		
			SSS	20 01 49		
		E	M	38 45		Per.=25 secs μ =10
		N	M	40 37		Per.=21 secs μ = 3
	KODAIKANAL	E	e	19 34 14		Tremor
	DEHRA DUN	N,E	PKP	19 34 15		
		N	PP	35 29		
			e	37 44		
			e	40 48		
			e	41 13		
			e	44 39		
			e	50 48		
			e	20 03 08		
			e	19 12		
	MADRAS	E	PKP	19 34 17		
	HYDERABAD	E	iPP	19 34 19	15040	
			PPP	37 07		
			SKS2	39 13		
			SKKS1	41 24		
			iPS	44 46		
			SKKS1	48 13		
			SKKKS	50 28		
			SSS	56 40		
			Lq	20 07 28		
			Lr	14 46		
		N	M	26 01		Per.=21 secs μ =10
		E	M	26 13		Per.=24 secs μ =27
	SHILLONG	Z	iPKP◊	19 34 23	18110	Rarefaction
		N,E	ePKP◊			
		Z,N	PP	38 58		
		N	i	45 37		
			i	49 19		
			i	49 56		
			SS	59 11		
			SSP	20 00 15		
			SSS	05 30		
	VIZIANAGRAM	N	e	19 34 25		
			i	58 17		
	BOKARO	N,E	PKP	19 34 27		
		N	e	36 28		
			e	37 58		
			e	39 15		
			e	41 26		
	CALCUTTA	E	PKP1	19 34 29	17560	
		N	PKP1	34 32		
		E	PKP2	35 22		
			PP	38 55		
			e	44 43		
			SKKS1	45 33		
			SKSP	49 11		
			PPS	52 22		
			SS	58 52		
		N	SS	58 53		
		E	SSP	20 00 02		
			SSS	05 34		
			Lr	28 41		
	PORT BLAIR	E	iPKP	19 34 31	19780	
			iPP	39 19		
			i	47 12		
			i	50 29		
			iSS	20 00 00		
			i	01 45		
15	SHILLONG	Z	e	20 07 25		Slight, near

15 Epc: 13½°S, 167°E. New Hebrides Islands - H = 22h 15m 44s (U.S.C.G.S).

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
15 Contd.	PORT BLAIR	E	iP	22 27 50	8550	Slight
			pP	30 45		
			iS	37 39		
	SHILLONG	Z,E	iP∂	22 28 10		Slight, First
		N	eP∂			movement West
		E	i	38 26		Probably deep
			i	38 38		Compression
	CALCUTTA	N,E	eP	22 28 32	9340	Slight
		E	PP	31 50		
			PPP	34 03		
		N,E	eS	38 56		
	HYDERABAD	E	eP	22 29 07		
			e	32 49		
			e	39 34		
			e	41 07		
			e	41 34		
			e	44 31		
			e	57 37		
			e	23 03 31		Per. ≈15 secs μ = 4
	KODAIKANAL	E	e(P)	22 29 07		Tremor
	BOMBAY	E	e(P)	22 29 16		
			e	29 28		
			e	32 29		
			e	33 26		
			e	35 36		
		N	e	40 57		
	DEHRA DUN	N,E	e(P)	22 29 45		Feeble
			i	33 12		
15	SHILLONG	Z	e	22 42 33		Slight, near
			e	42 35		
16	PORT BLAIR	N	ePg	01 21 55	70	Slight
			Sg	22 03		
16	SHILLONG	Z	iP	02 11 20		Slight, distant Compression
16	SHILLONG	Z	iPg	03 28 18	110	Slight
			iSg	28 31		Compression
16	SHILLONG	Z	eP	03 42 00	210	Slight
			iPg	42 03		
			i	42 06		
			eSg	42 27		
16	SHILLONG	Z	eP	03 47 40		Slight, distant
16	POONA	Z	iP	04 16 46		Tremor
16	SHILLONG	Z	iP	04 27 57		Slight, distant Compression
16	SHILLONG	Z	ePg	04 30 41		Slight, local
			e	30 43		
16	SHILLONG	Z	e	05 40 56		Slight, near
			e	41 01		
16	SHILLONG	Z	iP	11 15 59		Slight, distant Compression
16	SHILLONG	Z	eP	20 38 26		Slight, near
			e	38 49		
16	SHILLONG	Z	eP	21 14 50		Slight, near
			e	15 03		
16	SHILLONG	Z	iP	23 06 41		Slight, distant Rarefaction
17	Epc: 1°S, 127°E. Spice Islands. H = 04h 14m 02s (U.S.C.G.S)					
	SHILLONG	Z	iP∂	04 22 06	4850	Slight
		E	eP∂			Rarefaction
		E	S	28 26		Probable depth
			i	32 02		100 Kms.
			i	32 14		
			i	33 12		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
17 Contd.	MADRAS	E	iP	04 22 51	5310	Moderate
			PcP	24 05		First movement
			PP	24 45		East.
			iS	29 48		
			PPS	30 06		
			ScS	32 17		
			SS	33 15		
	AGRA	Z,E	iP	04 23 37	6090	Slight
		E	iS	31 17		
	POONA	Z	iP	04 23 44	6140	Slight
		E	PP	25 49		
			PPP	27 06		
			iS	31 27		
			PPS	31 49		
			SS	35 32		
	BOMBAY	N,E	e(P)	04 23 53		Feeble
			e	31 40		
17	SHILLONG	Z	iP	04 27 44		Slight, distant Rarefaction
17	SHILLONG	Z	iP	05 42 56		Slight, distant Rarefaction
17	Epc: 52°S, 139½°E. Antarctic Ocean. H = 07h 15m 38s (U.S.C.G.S).					
	KODAIKANAL	E	e	07 38 21		Tremor
	MADRAS	E	e	07 38 25		Slight
			e	38 45		
			e	39 06		
			e	40 25		
			e	41 09		
			e	45 21		
			e	48 50		
			e	53 59		
	BOMBAY	N	e	07 40 03		Slight
			e	42 39		
		N,E	M	08 04 --		
	HYDERABAD	E	e	07 39 10		
			M	08 00 15		Per. ≈18 secs μ ≈16
	BOKARO	N,E	e	07 31 59		Slight
			e	39 22		
	SHILLONG	Z	iP∂	07 28 26		Slight
		E	eP∂			Compression
		E	i	28 39		
			i	39 13		
			i	40 32		
			i	40 43		
17	SHILLONG	Z	e	08 03 25		Slight, near
17	SHILLONG	Z	e	08 17 24		Slight, near
17	SHILLONG	Z	eP	11 23 37		Slight, near
			i	23 59		
17	SHILLONG	Z	iP	15 54 34		Slight, distant Compression
17	SHILLONG	Z	ePg	16 39 35	30	Slight
			iSg	39 38		
17	TOCKLAI	E	e	17 44 31		Slight, distant
	SHILLONG	Z	eP	17 45 04		Slight, distant
17	SHILLONG	Z	e	18 45 37		Tremor
17	SHILLONG	Z	eP	21 07 30		Slight, near
			i	07 43		
18	MADRAS	E	e	12 26 16		Slight
			e	27 06		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
18	Epc: 29°S, 13°W. North of Tristan da Cunha. - H = 15h 14m 26s (U.S.C.G.S).					
	BOMBAY	N	e	15 28 33		Slight
		N,E	e	32 02		
		E	e	38 43		
			M	16 09 --		
	MADRAS	E	e	15 31 32		Slight
			e	33 07		
			e	39 30		
	KODAIKANAL	E	e	15 39 11		
	HYDERABAD	E	M	16 07 07		Per.=17 secs μ =8
	SHILLONG	Z	eP	15 30 24		Slight
18	SHILLONG	Z	eP	15 43 55		Slight, distant
18	SHILLONG	Z	iP	19 35 29		Slight, distant Compression
19	SHILLONG	Z	eP	00 54 00	320	Slight
			PP	54 09		
			Pg	54 11		
			PPP	54 15		
			i	54 23		
			S	54 35		
			S*	54 41		
			SS/Sg	54 45		
			SSS	54 56		
19	SHILLONG	Z	iP	04 02 48		Slight, distant Compression
19	SHILLONG	Z	iP	09 16 48		Slight, distant Compression
19	Epc: 8½°S, 79½°W. Near Coast of Ecuador. 14 killed many injured, extensive property damage at Las Esmeraldas, Las Palmes and Guayaquil. Sea wave damage, Las Esmeralds and Guayaquil. - H = 14h 07m 23s (U.S.C.G.S). Magnitude = 7½ (Pas), (Berk), (Shillong).					
	SHILLO					
	DEHRA DUN	N,E	PKP	14 26 53		
		N	e	30 43		
			e	37 11		
			e	48 19		
			e	15 02 33		
			e	10 01		Per.=28 secs μ =97
	AGRA	Z,N,E	iPKP	14 26 57		Compression
			i	30 13		
			i	37 09		
			i	40 25		Amp.=120 mm.
	BOMBAY	N,E	ePKP1	14 27 04	16310	
			PKP2	27 12		
			PP	30 41		
			e	31 17		
			SKKS1	37 24		
		E	SKSP	40 44		
		N	e	43 00		
			e	46 18		
		N,E	eSS	49 30		
		E	SSS	55 02		
			M	15 34 03		Per.=21 secs μ =55
		N	M	39 17		Per.=19 secs μ =37
	POONA	Z	iPKP1	14 27 07	17000	
		E	PP	31 17		
			SKKS	37 43		
			PPP	39 42		
			SKKKS1	40 46		
			SKSP	41 16		
			SS	50 17		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
19	SHILLONG	Z,N,E	iPKP	14 27 11	16670	Rarefaction
Contd.		N	PP	31 05		First movement
			PPP	34 31		North and East
			PKKP	35 50		
			SKKS1	38 05		
			PKKS	40 05		
			SKKS2	43 31		
			i	45 42		
			SS	50 05		
			SSS	55 57		
			Lq	15 09 42		
			Lr	16 42		
			M	29 27		Per.=16 secs μ =47
	TOCKLAI	E	iPKP	14 27 20		First movement West
	HYDERABAD	E	iPP	14 27 20	15870	
			PPP	30 24		
			iPS	38 07		
			PPS	40 04		
			SS	45 37		
			SSP	46 28		
			SSS	51 13		
			Lq	15 04 32		
			Lr	11 16		
			M	22 19		Per.=18 secs μ =67
		N	M	22 31		Per.=24 secs μ =65
	BOKARO	N,E	PKP	14 27 22		
		N	e	28 35		
			e	30 52		
			e	31 11		
			e	34 18		
	CALCUTTA	E	PKP1	14 27 23	17220	
		N	PKP1	27 26		
		E	PKP2	27 57		
		N	PKP2	27 59		
		E	PP	31 37		
			SKS2	34 23		
			PPP	35 07		
			SKKS1	38 10		
			PKKS1	39 20		
			PPP(2)	40 38		
			PPS	44 20		
			SS	50 56		
			SSP	51 40		
			SSS	56 22		
			SSP2	15 00 42		
			SSS2	07 36		
			Lq?	12 18		
			M	32 50		
			Mn1	41 03		Per.=18 secs μ =119
			Mn2	56 55		Per.=15 secs μ =86
	KODAIKANAL	E	PKP1	14 27 26	17220	First movement
			PP	31 26		West
			SKKS1	38 11		
			SKSP	41 50		
			PPS	44 38		
			SS	50 56		
			SSS	56 50		
			Lq	15 11 53		
			Lr	19 05		
			M	31 35		Per.=23 secs μ =98
	MADRAS	E	PKP	14 27 29		
	VIZIANAGRAM	N	ePKP	14 27 31		
19	Epc: 8½°S, 79½°W. Near Coast of Ecuador. Slight damagr in Northern Ecuador. - H = 14h 23m 24s (U.S.C.G.S) Magnitude =6¼ (Pas).					

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
19 Contd.	BOMBAY	N,E	ePKP	1 15 03 08		
		E	M	16 14 43		
		N	M	14 43		Per. ≈ 18 secs μ ≈ 9
	POONA	Z	iPKP	1 15 03 10		
		E	PKS	06 42		
			PP	07 19		
	SHILLONG	Z	iPKP	15 03 15		
	TOCKLAI	E	ePKP	15 03 24		
19	SHILLONG	Z	iP	16 38 59	220	Slight
			eSg	39 29		Compression
	TOCKLAI	E	e	16 39 52		Tremor
19	SHILLONG	Z	iP	16 54 48		Slight, distant Compression
	TOCKLAI	E	e	16 55 10		Tremor
19	SHILLONG	Z	iPg	21 32 06	170	Slight
			iSg	32 26		Rarefaction
	TOCKLAI	E	e	21 32 42		Slight, near
20	SHILLONG	Z,E	iP	02 19 15		Slight, distant
		E	i	21 22		Compression
			i	22 26		First movement West.
	TOCKLAI	E	eP	02 19 21		Slight, distant
	CALCUTTA	E	e	02 22 39		Tremor
			i	24 07		
20	Epc: 30½°S, 71½°W. Northern Chile - H ≈ 02h 19m 53s (U.S.C.G.S)					
	BOMBAY	E	ePKP	02 39 32		Slight
			e	43 07		
	POONA	Z	iPKP	02 39 35		Feeble
			i	39 45		
	SHILLONG	Z	ePKP	02 40 58		Slight
20	SHILLONG	Z	iP	07 18 54		Slight, distant Compression
20	SHILLONG	Z	eP	07 22 04		Slight, distant
20	SHILLONG	Z	i	07 25 39		Tremor
20	SHILLONG	Z	eP	08 29 08	260	Feeble
			iPg	29 09		
			iS	29 37		
			iSg	29 39		
	TOCKLAI	E	e	08 29 40		Slight, near
20	POONA	Z	iP	10 15 27		Tremor
			i	15 40		
20	SHILLONG	Z	iPg	19 49 24	140	Feeble
			iSg	49 39		
21	SHILLONG	Z	ePg	06 56 10		Slight, near
			i	56 25		
21	SHILLONG	Z	eP	09 11 51		Slight, distant
21	SHILLONG	Z	iPg	11 34 29	100	Slight
			eSg	34 40		Rarefaction
			e	34 42		
21	SHILLONG	Z	ePg	16 52 58	110	Slight
			eSg	53 11		
21	SHILLONG	Z	iPg	17 36 19	110	Slight
			PP	36 22		Compression
			iSg	36 33		
21	SHILLONG	Z	iP	19 44 56		Slight, distant Compression

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
22	SHILLONG	Z	eP	04 42 36		Slight, near
			i	43 03		
22	SHILLONG	Z	e	10 26 26		Slight, near
22	SHILLONG	Z	iP	10 44 38		Slight, near
			i	45 14		Rarefaction
22	SHILLONG	Z	eP	14 05 08		Slight, near
			ePg	05 11		
			e	05 53		
22	SHILLONG	Z	eP	18 17 06	280	Slight
			ePg	17 13		Magnitude 4
			eSg	17 45		
22	Epc: 23°N, 121½°E. Near East Coast of Formosa. Felt: Taipei. - h about 200 km - H ≈ 18h 29m 11s (U.S.C.G.S).					
	SHILLONG	Z,E	iP	18 34 39		Moderate
		N	eP			Compression
			i	34 56		First movement
			i	35 23		West
			i	39 53		
	TOCKLAI	E	iP	18 34 40		Slight. First movement West
	CALCUTTA	E	eP	18 35 14		Slight
			e	36 42		
			i	40 06		
			i	40 36		
			e	41 57		
			e	43 20		
	BOKARO	E	i	18 35 32		Slight
			i	41 09		
	AGRA	Z,E	iP	18 36 23		Compression
		N	eP			First movement
		Z,E	i	36 39		West
		Z,N,E	i	37 55		
			i	42 43		
			i	45 31		
			i	47 03		
			e	50 51		Per. ≈ 18 secs Amp. ≈ 16.5 mm
	PORT BLAIR	E	eP	18 36 25		Slight
			e	37 11		
			e	41 21		
			e	43 04		
			e	44 06		
			e	46 05		Per. ≈ 19 secs μ ≈ 10
	DEHRA DUN	N,E	eP	18 36 28	4250	Slight
		N	iS	42 23		
			SSS	45 33		
			M	49 28		
	MADRAS	E	iP	18 36 38		Slight. First movement West
			e	38 06		
			e	38 23		
			e	39 03		
			e	43 12		
			e	47 14		
			e	49 20		
	HYDERABAD	E	iP	18 36 39		First movement
			e	38 17		West
			e	39 01		
			i	43 13		
			e	46 27		
		N	e	49 23		
		E	e	49 34		
		N	M	53 21		Per. ≈ 9 secs μ ≈ 4
		E	M	53 23		Per. ≈ 15 secs μ ≈ 4
	KODAIKANAL	E	e	18 37 07		Tremor
	POONA	Z	iP	18 37 09		Slight
		N	PP	38 50		
			PcS	42 56		
		N,E	eS	43 44		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
22 Contd.	POONA	N	PPS	18 43 58		
	Contd.		SS	46 45		
			Lr	49 06		
			M	58 42		
	BOMBAY	N,E	eP	18 37 17		Slight
			e	37 35		
		E	e	38 25		
		N,E	e	39 06		
			e	43 58		
		E	e	44 10		
			e	44 18		
			e	46 34		
			e	47 31		
22	TOCKLAI	E	eP	20 27 14		Slight, near
			i	27 31		
			e	27 38		
			e	27 41		
	SHILLONG	Z	iP	20 27 19	270	Slight, near
			ePg	27 23		Magnitude=4½
			PPP	27 37		
			iSg	27 56		
22	Epc: Central Bay of Bengal. - H =21h 42m 05s (Shillong)					
	PORT BLAIR	E	eP	21 43 04	420	Slight
			P*	43 10		
			iS	43 47		
	MADRAS	E	iP	21 44 33		Slight. First
			i	44 38		movement West
			i	44 46		
			i	45 28		
	CALCUTTA	E	e	21 47 39		Slight
	SHILLONG	Z	eP	21 45 06		Slight
		E	i	48 20		
	TOCKLAI	E	e	21 45 29		Slight
	POONA	Z	eP	21 46 04		
	BOMBAY	N,E	e(P)	21 46 18		Slight
		E	e	46 38		
		N,E	e	50 30		
			e	51 28		
	AGRA	Z,N,E	iP	21 46 23		Slight. First
			i	46 40		movement North
			i	50 51		and West.
						Compression
	DEHRA DUN	N,E	e	21 47 07		Feeble
			i	51 36		
22	SHILLONG	Z	iP	23 42 06		Slight, distant Compression
23	SHILLONG	Z	iP	00 26 30		Slight, distant Compression
23	SHILLONG	Z	iP	02 42 29		Slight, distant Rarefaction
	POONA	Z	iP	02 44 35		Feeble
			i	44 53		
	DEHRA DUN	N,E	e	02 50 46		Tremor
23	SHILLONG	Z	iP	04 31 0[illegible]		Slight, distant Compression.
23	SHILLONG	Z	eP	04 56 37		Slight, distant
23	Epc: 29°N, 84°E. - H = 05h 30m 20s (Shillong)					
	30½°N, 84°E. South Tibet.					
	- H =05h 30m 10s (U.S.C.G.S)					
	DEHRA DUN	N,E	eP	05 31 37	560	Slight
		N	Lq	32 25		
			iS	32 37		
			Lr	32 40		
			SS	32 47		
			S*	32 51		
			SSS	32 57		
			Sg	33 03		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
23 Contd.	AGRA	Z,N,E	iP	05 31 49	710	Compression
			i	32 05		First movement
			i	32 17		South and West
			iS	33 03		
			i	33 15		
			i	33 39		
			i	33 57		
			e	34 37		Per.=12 secs
						Amp.=32.5 mm
	BOKARO	N,E	iP	05 31 59	750	Slight
		E	eS	33 17		
	TOCKLAI	E	eP	05 32 01		Slight
	SHILLONG	Z,E	iP[illegible]	05 32 13	880	Slight
		N	eP[illegible]			Rarefaction
		Z,E	Pg	32 51		First movement
		E	S	33 43		West
			SS	33 54		
		Z,E	Sg	34 37		
	HYDERABAD	N	iP	05 33 34		First movement
			i	37 52		North
			e	39 04		
			e	40 13		
			M	42 20		Per.= 9 secs
						μ = 4
		E	M	42 23		Per.= 6 secs
						μ = 2
	POONA	Z	iP	05 33 47	1610	Slight
			PPP	34 05		
			iS	36 29		
			Lr	37 51		
			M	38 16		
			PcP	38 46		
	BOMBAY	N,E	eP	05 33 51	1670	
			PP	34 03		
			PPP	34 07		
			eS	36 39		
		E	SS	36 55		
			SSS	37 04		
			Lr	37 17		
		N	M	41 37		Per.= 7 secs
						μ = 3
	MADRAS	E	iP	05 34 26	1910	Slight. First
			PP	34 42		movement East
			iS	37 37		
			SS	37 57		
			SSS	38 09		
			Lr	38 27		
			PcP	38 55		
			M	39 49		
	PORT BLAIR	E	iP	05 34 59	2460	Slight
			eS	38 52		
			Lq	39 22		
	KODAIKANAL	E	e	05 38 12		Tremor
23	TOCKLAI	E	eP	13 26 58		Slight, distant
			i	27 30		
	SHILLONG	Z	iP	13 27 14		Slight, distant Rarefaction
23	SHILLONG	Z	iP	13 45 46		Slight, distant Compression
23	DEHRA DUN	N,E	e	13 52 37		Feeble
23	SHILLONG	Z	iP	16 38 38		Slight, distant Compression
23	SHILLONG	Z	eP	18 00 04		Slight, distant
23	SHILLONG	Z	e	18 50 38		Tremor
23	SHILLONG	Z	e	19 34 43		Tremor
23	SHILLONG	Z	e	20 32 07		
23	SHILLONG	Z	ePg	21 22 53		Slight, local
			e	22 55		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
23	SHILLONG	Z	ePg	22 01 51		Slight, local
			e	01 53		
24	SHILLONG	Z	iP	00 03 27	160	Slight
			eSg	04 58		Rarefaction
24	SHILLONG	Z	iP	04 42 51		Slight, distant
		E	ePg			Rarefaction
			i	54 52		
			i	56 01		
	POONA	Z	iP	04 44 45		Feeble
			i	44 51		
24	SHILLONG	Z	iPg	05 14 01	110	Slight
			iP	14 03		Rarefaction
			iSg	14 13		
			S	14 17		
			SS	14 43		
24	Epc: 56½°N, 163°E. Near East Coast of Kamchatka - H = 05h 53m 58s (U.S.C.G.S). Mag: 6¼(Pas).					
	SHILLONG	Z,N,E	iP	06 03 57	6450	Compression
		N,E	PcP	04 46		First movement
			PP	06 05		South and West
			PPP	07 31		
		E	PcS	08 41		
		N,E	S	11 56		
		E	PS	12 13		
			ScS	13 49		
			i	15 57		
		N	Mn	33 38		Per. = 9 secs
						μ = 12
	DEHRA DUN	N,E	eP	06 04 29	6800	
		N	eS	12 48		
			PS	13 24		
			Lr	22 23		
			M	28 49		
	BOKARO	N,E	eP	06 04 30	7020	
			iS	13 01		
	AGRA	Z,E	iP	06 04 40		Compression
		Z	i	09 12		
		Z,E	i	13 46		
		Z	i	21 12		
		E	M	29 09		
		Z	i	30 41		
			M	35 11		Per. = 15 secs
						Amp. = 37 mm
	PORT BLAIR	E	eP	06 05 12	7720	
			eS	14 20		
			SS	18 50		
			Lr	27 12		
			M	32 27		
	HYDERABAD	N	eP	06 05 29	7990	
			PP	08 17		
			eS	14 50		
			Lr	27 28		
			M	33 08		Per. = 12 secs
						μ = 9
		E	M	34 24		Per. = 13 secs
						μ = 10
	BOMBAY	N,E	eP	06 05 36	8260	
			eS	15 10		
		N	M	43 23		Per. = 13 secs
						μ = 3
		E	M	43 30		Per. = 13 secs
						μ = 3
	POONA	Z	iP	06 05 39	8160	
		N	PPP	09 51		
			eS	15 08		
			PS	15 50		
			PPS	16 08		
			SS	19 47		
			SSS	22 56		
			Lq	25 54		
			M	32 51		
			Mn	38 --		Per. = 14 secs
						μ = 8

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
24	MADRAS Contd.	E	eP	06 05 44	8310	
			PcP	05 54		
			PP	08 39		
			PPP	10 28		
			eS	15 21		
			SKS	15 34		
			ScS	15 49		
			PS	16 07		
			PPS	16 25		
			SS	20 30		
			SSS	23 32		
			Lq	26 12		
			Lr	29 43		
	KODAIKANAL	E	e	06 16 04		Tremor
24	SHILLONG	Z	iP	06 21 08		Slight, distant Compression
	POONA	Z	iP	06 22 44		Feeble
24	SHILLONG	Z	iP	07 01 14		Slight, distant
24	SHILLONG	Z	e	10 15 23		Slight, near
			i	15 31		
24	SHILLONG	Z	eP	10 40 37		Slight, distant
24	TOCKLAI	E	e	14 03 59		Tremor
24	SHILLONG	Z	e	16 29 31		Slight, distant
24	SHILLONG	Z	e	16 41 22		
24	SHILLONG	Z	e	17 43 08		Tremor
24	Epc: 54°N, 170°E. Komandorskie Islands Region - H = 18h 03m 32s (U.S.C.G.S)					
	SHILLONG	Z	iP	18 13 58		Slight Compression
	TOCKLAI	E	eP	18 14 09		Slight
24	BOMBAY	N	e(P)	18 15 35		Slight
		E	e	48 --		
	POONA	Z	iP	18 15 37		Feeble
			i	15 44		
	DEHRA DUN	N,E	e	18 23 30		Feeble
24	SHILLONG	Z	iP	22 36 09		Slight, distant Compression
24	SHILLONG	Z	eP	23 29 05		Slight, distant
25	SHILLONG	Z	eP	01 14 45		Slight, distant
			i	14 56		
25	SHILLONG	Z	e	08 57 51		Tremor
25	CALCUTTA	E	e	11 15 17		Slight, distant
			e	23 32		
			e	26 34		
25	SHILLONG	Z	eP	11 25 56		Slight, distant
25	SHILLONG	Z	e	15 31 51		Slight, distant
[illegible]	[illegible]	**	**********	**********		
25	POONA	Z	iP	21 25 51		Slight
		E	e	26 14		
			e	26 26		
			e	29 59		
			e	30 29		
25	SHILLONG	Z	eP	21 32 58		Slight, distant
25	SHILLONG	Z	e	21 38 40		
26	PORT BLAIR	E	iP	00 44 29	800	Slight
			Pg	45 04		
			Lq	45 37		
			S	45 55		
			M	46 39		

*** Please see on page 17

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
26 Contd.	SHILLONG	Z	iP∅	00 46 21		Slight, distant
		N, E	eP∅			Compression
		E	i	48 48		
	CALCUTTA	E	e	00 46 33		Slight, distant
			i	49 00		
			i	51 06		
	TOCKLAI	E	eP	00 46 35		Slight, distant
	MADRAS	E	e	00 46 56		Feeble
			e	52 23		
	POONA	Z	iP	00 48 07	2730	Slight
		E	PP	48 54		
			PPP	49 08		
			eS	52 26		
			Lq	52 55		
	DEHRA DUN	N, E	e	00 48 42		Feeble
			i	52 48		
	BOMBAY	E	e	00 48 42		Very slight
			e	52 40		
26	SHILLONG	Z	iP	00 58 31		Slight, distant Rarefaction
26	SHILLONG	Z	iP	01 09 24		Slight, distant Compression
26	SHILLONG	Z	iP	02 41 52		Slight, distant Compression
		Z	i∅	43 04		
		E	e∅			
	TOCKLAI	E	eP	02 42 10		Slight, distant
26	SHILLONG	Z	eP	03 55 15		Slight, distant
			i	56 27		
26	SHILLONG	Z	iPg	06 31 06	120	Slight
			eSg	31 21		Rarefaction
26	Epc: 47½°N, 154½°E. Kurile Islands - H = 06h 42m 13s (U.S.C.G.S)					
	SHILLONG	Z	iP	06 51 35		Slight Compression
	POONA	Z	iP	06 53 32		Feeble
26	BOMBAY	E	e	07 02 46		Slight
			e	07 25		
		N, E	M	26 --		
26	SHILLONG	Z	ePg	07 11 34	40	Slight
			eSg	11 39		
26	SHILLONG	Z	i	07 16 42		Slight, distant Compression
26	Epc: 49½°N, 155°E. Northern Kurile Islands - H = 07h 28m 33s (U.S.C.G.S)					
	SHILLONG	Z	iP	07 38 00		Slight Rarefaction
	POONA	Z	iP	07 39 51		Feeble
			i	40 17		
	BOMBAY	E	e	07 50 06		Slight
			M	08 14 --		
26	SHILLONG	Z	e	13 09 22		Slight, distant
26	SHILLONG	Z	e	14 00 48		
26	SHILLONG	Z	eP	14 27 47		Slight, distant
26	SHILLONG	Z	e	16 15 48		
26	SHILLONG	Z	e	18 01 08		Slight, distant
26	SHILLONG	Z	e	18 10 52		Slight, distant
26	SHILLONG	Z	eP	22 05 36		Slight, distant
26	SHILLONG	Z	eP	22 49 33		Slight, distant

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
January 1958						
27	SHILLONG	Z	iP	00 51 29		Slight, distant
			e	51 55		
27	SHILLONG	Z	e	05 24 10		
27	TOCKLAI	E	eP	07 05 23		Slight
	SHILLONG	Z	iP∅	07 05 24		Slight, near
		E	eP∅			Compression
27	Epc: 15°S, 174°W. Samoa Islands - H = 07h 43m 58s (U.S.C.G.S) Magnitude = 6¾(Pas), 6½(Berk).					
	SHILLONG	Z, N, E	eP	07 57 49		
		N, E	i	08 01 55		
			i	08 15		
	PORT BLAIR	E	eP	07 58 21		
			i	08 08 07		
			e	08 56		
	BOMBAY	E	e	08 01 35		
			e	05 52		
			e	06 12		
			e	09 40		
			e	13 36		
	DEHRA DUN	N, E	e	08 03 18		
27	SHILLONG	Z	eP	09 03 46		Slight, distant
27	SHILLONG	Z	iP	09 13 41		Slight, distant Compression
27	SHILLONG	Z	iP	17 26 21	180	Feeble
			PPP	26 40		
			iSg	26 44		
27	SHILLONG	Z	i	18 31 57		Slight, distant Compression
27	SHILLONG	Z	e	18 59 47		Slight, distant
27	SHILLONG	Z	iP	20 07 56	220	Slight
			iSg	08 25		
27	SHILLONG	Z	e	22 59 14		Slight, distant
28	SHILLONG	Z	eP	08 40 23		Slight, distant
28	Epc: 36°N, 58½°E. Iran. - H = 17h 15m 00s (U.S.C.G.S).					
	DEHRA DUN	N, E	eP	17 19 12	1860	
			iS	22 18		
	AGRA	Z, N, E	iP	17 19 16	2100	Compression
			iS	22 44		
			M	25 34		Per. = 10 secs Amp = 7.5 mm
	BOMBAY	E	eP	17 19 46	2510	Slight
			eS	23 50		
	POONA	Z	iP	17 19 56		
	SHILLONG	Z	iP	17 21 14		Slight Rarefaction
	MADRAS	E	e	17 28 55		
			e	32 04		Feeble
			e	32 27		
			e	32 41		
			e	32 54		
28	SHILLONG	Z	eP	18 21 08		Slight, distant
28	SHILLONG	Z	iP	19 49 42		Slight, distant Rarefaction
28	SHILLONG	Z	iP	21 47 02		Slight, distant Rarefaction
28	SHILLONG	Z	e	22 04 51		Slight, distant
29	SHILLONG	Z	iP	00 24 40		Slight, distant Compression
29	SHILLONG	Z	e	09 04 28		Slight, distant

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
January 1958								
29	DEHRA DUN	N, E	e	13	34	33		Feeble
			i		34	58		
29	SHILLONG	Z	eP	13	51	54	260	Slight
			P*		51	56		
			S*		52	26		
			Sg		52	31		
29	SHILLONG	Z	eP	14	11	11		Slight, distant
29	DEHRA DUN	N, E	e	17	17	54		Tremor
29	SHILLONG	Z	eP	17	18	34		Slight, distant
29	SHILLONG	Z	e	21	10	38		Slight, distant
29	SHILLONG	Z	iP	21	31	27		Slight, distant Rarefaction
29	SHILLONG	Z	e	22	20	25		Slight, distant
30	TOCKLAI	E	ePg	02	37	58	130	Slight
			eSg		38	13		
	SHILLONG	Z	eP	02	38	22	350	Slight
			e		38	46		
			eSg		39	13		
30	SHILLONG	Z	eP	05	25	51		Slight, distant
30	Epc: 7½°S, 155½°E. Solomon Islands - H = 06h 13m 24s (U.S.C.G.S) Magnitude = 6½ (Pas).							
	PORT BLAIR	E	eP	06	24	09	7220	
			iS		32	52		
	TOCKLAI	E	eP	06	24	30		
	SHILLONG	Z	iP∅	06	24	33	8820	Rarefaction
		N, E	eP∅					
		N, E	e		33	50		
		E	i		34	23		
			i		35	01		
	CALCUTTA	E	iP	06	24	54		First movement
			i		34	17		East
	MADRAS	E	iP	06	25	27	8710	First movement
			e		27	19		East.
			PP		28	17		
			PPP		30	21		
			eS		35	23		
			e		35	49		
			PS		36	02		
			PPS		36	18		
			e		37	53		
			SSS		40	18		
			SSS		43	56		
			Lq		46	16		
			Lr		49	15		
	KODAIKANAL	E	e(P)	06	25	39		
	HYDERABAD	E	iP	06	25	40	8840	First movement
			iS		35	42		East
			PS		36	30		
			PPS		36	58		
			SS		40	40		
			PKKS1		47	45		
			Lr		50	40		
			M		57	37		Per. = 18 secs μ = 5
	DEHRA DUN	N, E	eP	06	26	01	9040	
		N	iS		36	12		
			SS		41	16		
			SSS		44	57		
			Lq		48	31		
			M		59	13		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
January 1958								
30 Contd.	POONA	Z	eP	06	26	03	9730	
		N	SKS1		36	25		
			eS		36	44		
			PS		37	43		
			PPS		38	15		
			SS		42	28		
			SSS		44	48		
			Lq		48	54		
	BOMBAY	E	eP	06	26	08		
			e		27	09		
			e		29	53		
			i		31	18		
			e		36	33		
			e		37	03		
			i		37	41		
			e		38	16		
			e		39	20		
			i		39	41		
			e		40	13		
			i		42	32		
30	SHILLONG	Z	e	06	50	57		Slight, distant
30	SHILLONG	Z	e	07	09	53		Slight, distant
30	SHILLONG	Z	e	08	22	17		Slight, distant
30	SHILLONG	Z	eP	19	50	51		Slight, distant
30	TOCKLAI	E	eP	23	20	55	220	Slight
			eSg		21	26		
31	SHILLONG	Z	eP	00	56	23		Slight, distant
31	SHILLONG	Z	i	05	20	29		
31	SHILLONG	Z	iP	06	31	50		Slight, distant Rarefaction
31	SHILLONG	Z	iP	11	39	56		Slight, distant Compression
31	SHILLONG	Z	iPg	14	28	32	100	Feeble
			iSg		28	34		
31	SHILLONG	Z	e	18	33	23		Tremor
31	SHILLONG	Z	iP	19	07	24		Slight, distant Compression
31	SHILLONG	Z	iP	22	38	05	150	Slight
			iPg		38	06		Compression
			iS		38	22		
			Sg		38	24		
31	SHILLONG	Z	iP∅	23	21	13	410	Slight, near
		E	eP∅					Compression
		Z, E	Pg		21	26		
		Z	iS		21	56		
			Sg		22	15		
	DEHRA DUN	N, E	e	23	26	07		Tremor
	BOMBAY	E	e	23	29	17		Very slight
		N	e		29	49		

International Seismological Centre From the ISC collection scanned by SISMOS

Earthquake Reports

(Non Instrumental Reports)

The following table contains a list of earthquakes that were reported by Voluntary Observers from various stations during the month of January 1958.

Place at which felt	Date in G. M. T	Time in G. M. T h. m.	Duration in secs.	Intensity in R.F. Scale	No. of Shocks	Remarks
TEZPUR (Air field)	04	08 29	10	V	2	
TEZPUR (P.B.O)	10	00 13	3	V	1	
SHILLONG (Upper)	10	00 14	About 5	III	1	
TEZPUR(Air field)	10	00 40	About 20	V	2 to 3	
MOHANBARI (Air field)	13	12 12	5	IV	2	
MOHANBARI (Air field)	13	12 25	3	VI	2	
MOHANBARI (Air field)	13	13 05	1	IV	1	
PORT BLAIR	13	20 15	8	VII	1	

Continued from page 14

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km.	REMARKS
25	SHILLONG	Z	iP	15	51	08		Slight, distant. Compression
25	SHILLONG	Z	e	16	18	13		Slight, near
25	SHILLONG	Z	eP	16	37	30		Slight, distant
25	SHILLONG	Z	iP	18	08	52		Slight, distant. Compression
25	SHILLONG	Z	eP	18	54	35		Slight, distant
25	SHILLONG	Z Z	e	20	51	55		Slight, distant
25	PORT BLAIR	E	e	21	10	24		
			i		20	52		
			i		24	11		
	SHILLONG	ZZ	e	21	11	19		
25	SHILLONG	Z	e	21	19	43		Slight, distant
25 Contd.	BOMBAY	E	e	21	20	36		Slight
			e		26	18		
		N,E	e		26	51		
			e		30	09		
	MADRAS	E	eP	21	21	00		Slight
			e		21	29		
			e		21	39		
			e		24	33		
			e		24	56		
			e		25	39		
			e		26	44		
			e		28	33		
	POONA	Z	eP	21	22	20		Feeble
			i		22	43		
	DEHRA DUN	N,E	e	21	23	27		Feeble
			i		27	02		
			i		30	24		
	SHILLONG	Z	iP	21	23	53		Slight, distant. Rarefaction
		E	eP					
			i		30	26		
			i		36	45		

International Seismological Centre From the ISC collection scanned by SISMOS

MICROSEISMIC TABULATION

JANUARY 1958

Station: SHILLONG. Component: E.W.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m	MEAN PERIOD IN secs
01	00	3	4.6	0.7
	06	3	3.8	0.6
	12	3	4.4	0.6
	18	3	3.8	0.6
02	00	3	4.0	0.6
	06	3	4.2	0.6
	12	3	4.0	0.6
	18	3	4.6	0.6
03	00	3	4.0	0.6
	01	3	4.0	0.6
	02	3	4.0	0.6
	03	3	4.5	0.6
	04	3	4.2	0.6
	05	3	4.0	0.6
	06	3	5.0	0.6
	07	3	4.0	0.6
	08	3	5.0	0.6
	09	3	4.0	0.6
	10	3	3.4	0.6
	11	3	4.2	0.7
	12	3	4.2	0.6
	13	3	4.4	0.6
	14	3	4.4	0.6
	15	3	3.0	0.6
	16	3	4.8	0.6
	17	3	4.2	0.6
	18	-	-	-
	19	3	4.4	0.6
	20	1	5.0	0.7
	21	1	4.2	0.6
	22	1	5.0	0.6
	23	3	4.0	0.6
04	00	3	5.0	0.7
	01	3	5.0	0.7
	02	3	4.2	0.6
	03	3	4.3	0.7
	04	3	4.0	0.6
	05	3	5.0	0.7
	06	3	5.0	0.7
	07	3	5.0	0.7
	08	0..	-	-
	09	3	4.2	0.6
	10	3	4.4	0.6
	11	3	4.6	0.6
	12	3	5.0	0.7
	13	3	4.0	0.7
	14	3	5.3	0.6
	15	3	4.6	0.6
	16	3	5.3	0.6
	17	3	5.6	0.6
	18	3	4.5	0.7
	19	3	5.2	0.6
	20	3	4.2	0.6
	21	3	5.0	0.7
	22	3	4.4	0.6
	23	3	1.0	0.6
05	00	3	5.0	0.6
	06	3	5.0	0.6
	12	-	-	-
	18	3	5.0	0.5
06	00	3	5.0	0.5
	06	-	-	-
	12	-	-	-
	18	3	3.8	0.5
07	00	3	4.0	0.5
	06	-	-	-
	12	3	4.0	0.5
	18	3	5.0	0.6
08	00	3	5.0	0.6
	06	-	-	-
	12	3	4.8	0.5
	18	3	4.4	0.5
09	00	3	4.8	0.6
	06	3	4.2	0.6
	12	3	4.2	0.6
	18	-	-	-
10	00	3	4.3	0.6
	06	3	4.6	0.6
	12	3	4.0	0.5
	18	3	4.8	0.5
11	00	3	4.8	0.5
	06	3	4.0	0.5
	12	3	5.4	0.5
	18	1	4.6	0.5
12	00	3	5.0	0.6
	06	3	4.6	0.5
	12	3	5.2	0.5
	18	1	5.4	0.5
13	00	1	4.8	0.5
	06	3	4.0	0.6
	12	-	-	-
	18	3	4.6	0.6
14	00	3	4.2	0.6
	06	3	5.4	0.6
	12	3	4.2	0.5
	18	3	5.0	0.6
15	00	3	4.6	0.5
	06	3	4.2	0.6
	12	1	4.2	0.5
	18	1	5.0	0.5
16	00	3	4.0	0.6
	06	3	4.4	0.5
	12	1	4.8	0.5
	18	1	4.0	0.5
17	00	1	5.2	0.5
	06	2	5.0	0.6
	12	2	6.0	0.6
	18	2	5.8	0.6
18	00	2	5.2	0.6
	06	2	4.8	0.6
	12	2	5.2	0.6
	18	2	4.6	0.6
19	00	2	4.6	0.6
	01	3	4.8	0.6
	02	3	5.0	0.6
	03	3	4.2	0.5
	04	3	5.2	0.5
	05	3	4.0	0.5
	06	3	4.0	0.6
	07	3	5.2	0.8
	08	3	4.2	0.6
	09	3	4.2	0.6
	10	3	5.2	0.6
	11	3	4.8	0.6
	12	3	5.2	0.6
	13	3	4.0	0.6
	14	3	4.0	0.6
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	3	4.0	0.6
	19	3	5.4	0.6
	20	3	4.0	0.5
	21	3	5.2	0.5
	22	3	5.0	0.5
	23	3	5.2	0.5
20	00	3	5.0	0.5
	01	3	4.0	0.5
	02	3	5.0	0.5
	03	3	4.6	0.5
	04	3	3.2	0.6
	05	3	4.8	0.6
	06	3	5.0	0.6
	07	3	4.6	0.6
	08	3	5.0	0.6
	09	3	5.0	0.6
	10	3	5.0	0.6
	11	3	5.3	0.6
Contd. 12	12	3	4.4	0.6
	13	3	4.4	0.6
	14	3	5.0	0.6
	15	3	4.2	0.6
	16	3	5.0	0.6
	17	1	4.0	0.6
	18	1	5.0	0.6
	19	3	4.8	0.6
	20	3	5.0	0.6
	21	3	5.2	0.6
	22	3	4.8	0.6
	23	3	5.0	0.7
21	00	3	5.0	0.7
	06	2	4.0	0.5
	12	2	4.8	0.5
	18	2	4.4	0.5
22	00	2	5.6	0.5
	06	2	5.0	0.5
	12	3	5.2	0.5
	18	3	5.0	0.6
23	00	3	5.0	0.6
	06	3	5.2	0.6
	12	3	5.0	0.6
	18	3	5.0	0.6
24	00	3	6.0	0.7
	06	3	5.2	0.6
	12	3	5.0	0.6
	18	3	4.0	0.6
25	00	3	4.0	0.6
	06	2	4.0	0.6
	12	2	4.8	0.6
	18	3	4.0	0.6
26	00	3	4.6	0.6
	06	1	4.0	0.6
	12	1	4.3	0.6
	18	1	5.0	0.6
27	00	1	4.6	0.6
	06	2	4.6	0.5
	12	2	5.6	0.5
	18	2	5.0	0.5
28	00	2	6.0	0.5
	06	2	5.8	0.5
	12	2	6.0	0.5
	18	2	6.0	0.5
29	00	2	5.0	0.6
	06	-	-	-
	12	2	6.0	0.5
	18	2	5.6	0.5
30	00	2	4.6	0.5
	06	2	4.2	0.6
	12	-	-	-
	18	-	-	-
31	00	-	-	-
	06	3	3.8	0.6
	12	3	4.6	0.6
	18	3	4.6	0.6

Station: COCHIN
Component: Vertical.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
01	06	1	0.0	-
02	06	1	0.0	-
03	04	1	0.4	0.4
	05	1	0.0	-
	06	-	-	-
	07	-	-	-
	09	1	0.0	-
	10	1	0.0	-
04	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
07	06	1	0.0	-
08	06	1	0.0	-
09	06	3	0.0	-
10	06	1	0.0	-
11	06	3	0.0	-
13	06	3	0.0	-
14	06	3	0.0	-
15	06	3	-	-
16	06	-	-	-
17	06	-	-	-
18	06	-	-	-
20	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
21	06	-	-	-
22	-	-	-	-
23	06	-	-	-
24	06	-	-	-
25	06	-	-	-
28	06	-	-	-
	12	-	-	-
	18	-	-	-
29	00	-	-	-
	06	-	-	-
30	06	-	-	-

Component: E.W.

01	06	3	0.0	-
02	06	1	0.0	-
03	04	1	1.2	0.4
	05	1	0.0	-
	06	1	0.0	-
	07	-	-	-
	09	1	0.0	-
	10	1	0.0	-
04	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
07	06	3	0.0	-
08	06	1	0.0	-
09	06	-	0	-
10	06	1	0.0	-
11	06	3	0.0	-
13	06	3	0.0	-
14	06	3	0.0	-
15	06	-	-	-
16	06	3	0.0	-
17	06	1	0.0	-
18	06	3	0.0	-
19	-	-	-	-
20	04	3	0.0	-

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Station: COCHIN.
Component: E.W (Contd).

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
20 Contd.	05	-	-	-
	06	-	-	-
	07	3	0.0	-
	08	3	0.0	-
	09	3	0.0	-
	10	3	0.0	-
21	06	-	0	-
23	06	-	0.0	-
24	06	-	-	-
25	06	3	0.0	-
28	06	3	0.0	-
	12	3	1.3	1.4
	18	1	1.1	1.4
29	00	1	-	-
	06	-	-	-
30	06	-	-	-

Component: N.S.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
01	06	2	-	-
02	06	-	0	-
03	04	1	1.1	0.7
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	09	1	0.0	-
	10	1	0.0	-
04	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
07	06	3	0.0	-
08	06	2	-	-
09	06	2	-	-
10	06	1	0.0	-
11	06	2	-	-
13	06	2	-	-
14	06	3	0.0	-
15	06	-	-	-
16	06	3	0.0	-
17	06	1	0.0	-
18	06	3	0.0	-
20	04	3	0.0	-
	05	-	-	-
	06	-	-	-
	07	1	1.1	1.4
	08	1	1.1	1.4
	09	3	0.0	-
	10	1	0.0	-
21	06	-	0	-
23	06	3	0.0	-
24	06	1	0.0	-
25	06	3	0.0	-
26	-	-	-	-
28	06	1	0.0	-
	12	3	0.0	-
	18	1	0.4	-

Component: N.S (Contd).

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m	MEAN PERIOD IN secs
29	00	1	0.5	1.4
	06	1	0.0	-
30	06	-	0	-

Station: BOMBAY
Component: E.W.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m	MEAN PERIOD IN secs
01	00	1	0.9	2.7
	03	1	0.9	2.8
	06	1	0.9	2.8
	09	1	0.9	2.8
	12	1	0.9	2.8
	15	1	0.7	2.6
	18	1	0.7	2.6
	21	1	0.5	2.5
02	00	1	0.7	2.5
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	-	-	-
	21	-	-	-
03	00	2	0.5	3.3
	01	2	0.5	3.8
	02	2	0.6	3.6
	03	2	0.5	3.2
	04	2	0.5	3.8
	05	2	0.5	3.8
	06	2	0.5	3.4
	07	2	0.5	3.4
	08	2	0.5	3.8
	09	2	0.5	3.5
	10	-	-	-
	11	2	0.5	3.8
	12	2	0.5	3.7
	13	2	0.7	3.7
	14	2	0.7	3.5
	15	2	0.5	3.5
	16	2	0.6	3.4
	17	2	0.6	3.2
	18	-	-	-
	19	2	0.6	3.6
	20	2	0.5	3.4
	21	2	0.6	3.3
	22	2	0.5	3.6
	23	2	0.6	3.4
04	00	2	0.5	3.4
	01	2	0.5	3.4
	02	2	0.5	3.6
	03	2	0.5	3.6
	04	2	0.5	3.7
	05	2	0.5	3.9
	06	2	0.5	3.7
	07	2	0.5	4.1
	08	2	0.5	3.5
	09	-	-	-
	10	2	0.6	3.7
	11	2	0.5	3.9
	12	2	0.6	3.9
	13	2	0.5	3.8
	14	2	0.5	3.2
	15	2	0.6	3.6
	16	2	0.7	3.8
	17	2	0.5	3.8
	18	2	0.5	3.7
	19	2	0.7	3.7
	20	2	0.6	3.5
	21	2	0.6	3.6
	22	2	0.6	3.7
	23	2	0.6	3.6
05	00	2	0.5	3.6
	06	2	0.6	3.8
	12	-	-	-
	18	2	0.5	3.6
06	00	2	0.5	3.3

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m	MEAN PERIOD IN secs
06 Contd.	06	2	0.6	3.7
	12	-	-	-
	18	2	0.4	3.1
07	00	2	0.4	3.3
	06	2	0.4	4.0
	12	2	0.3	3.5
	18	2	0.3	3.2
08	00	2	0.5	3.6
	06	2	0.3	4.2
	12	2	0.5	3.9
	18	2	0.4	3.5
09	00	2	0.5	3.7
	06	2	0.5	3.7
	12	2	0.3	3.8
	18	-	-	-
10	00	-	-	-
	06	2	0.5	3.8
	12	2	0.4	3.6
	18	2	0.5	3.7
11	00	2	0.4	3.7
	06	2	0.5	3.0
	12	2	0.5	2.5
	18	2	0.5	2.6
12	00	2	0.3	2.8
	06	2	0.4	3.5
	12	2	0.3	3.4
	18	2	0.4	3.7
13	00	-	-	-
	06	2	0.6	2.1
	12	-	-	-
	18	-	-	-
14	00	2	0.3	3.0
	06	2	0.6	2.6
	12	2	0.4	2.5
	18	2	0.5	2.5
15	00	2	0.5	3.0
	06	2	0.4	2.4
	12	2	0.3	2.5
	18	2	0.5	2.5
16	00	2	0.3	3.4
	06	2	0.3	4.8
	12	2	0.3	4.7
	18	3	0.4	4.5
			0.3	2.1
17	00	3	0.4	4.7
			0.5	2.3
	06	-	-	-
	12	2	0.6	5.4
	18	2	0.5	5.6
18	00	2	0.5	5.8
	06	3	0.5	5.1
			0.3	1.9
	12	2	0.3	4.7
	18	2	0.4	4.5
19	00	2	0.3	4.7
	01	2	0.4	4.3
	02	2	0.3	5.0
	03	2	0.3	5.1
	04	2	0.3	2.3
	05	2	0.3	1.9
	06	2	0.4	1.9
	07	2	0.5	2.1
	08	2	0.4	2.1
	09	2	0.4	2.1
	10	2	0.3	2.2
	11	2	0.3	4.6
	12	2	0.3	4.5
	13	2	0.3	4.3
	14	2	0.2	4.1
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
19 Contd.	19	-	-	-
	20	2	0.3	4.4
	21	-	-	-
	22	2	0.3	4.2
	23	2	0.3	4.5
20	00	2	0.3	4.5
	01	2	0.3	4.8
	02	2	0.3	4.8
	03	-	-	-
	04	-	-	-
	05	2	0.3	4.9
	06	2	0.3	4.4
	07	2	0.3	4.7
	08	2	0.3	4.9
	09	2	0.3	5.1
	10	2	0.3	5.0
	11	2	0.4	4.9
	12	2	0.3	5.0
	13	2	0.3	5.2
	14	2	0.3	4.8
	15	2	0.3	4.7
	16	2	0.3	4.8
	17	2	0.3	4.9
	18	2	0.3	4.9
	19	2	0.3	4.7
	20	2	0.3	5.1
	21	2	0.4	5.1
	22	2	0.3	4.6
	23	2	0.3	5.0
21	00	2	0.3	5.0
	06	2	0.3	4.9
	12	2	0.4	5.0
	18	2	0.3	4.9
22	00	2	0.4	5.1
	06	2	0.3	5.0
	12	2	0.2	4.7
	18	2	0.3	5.3
23	00	-	-	-
	06	-	-	-
	12	2	0.5	5.1
	18	2	0.3	4.9
24	00	2	0.2	5.1
	06	-	-	-
	12	2	0.2	5.0
	18	2	0.3	4.5
25	00	2	0.2	4.5
	06	2	0.3	4.6
	12	2	0.3	4.4
	18	-	-	-
26	00	-	-	-
	06	2	0.3	4.4
	12	2	0.3	3.9
	18	2	0.3	4.4
27	00	2	0.3	4.3
	06	2	0.3	4.4
	12	-	-	-
	18	-	-	-
28	00	-	-	-
	06	-	-	-
	12	2	0.5	3.1
	18	2	0.3	4.1
29	00	2	0.3	4.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
30	00	1	0.5	2.6
	03	1	0.7	2.9
	06	1	0.7	3.0
	09	1	0.8	3.0
	12	1	0.5	3.0
	15	1	0.6	2.5
	18	1	0.5	2.9
	21	1	0.5	2.9

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Station: BOMBAY(Contd).
Component: E.W.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
31	00	2	0.5	3.1
	06	2	0.3	2.7
	12	2	0.2	4.7
	18	2	0.3	5.0

Station: MADRAS
Component: E.W.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE in m.m.	MEAN PERIOD IN secs
01	00	1	0.6	2.9
	03	1	0.6	2.7
	06	3	0.6	2.6
	12	3	0.6	2.6
	18	3	0.4	2.5
02	00	3	0.4	2.4
	03	-	-	-
	06	-	-	-
	12	3	0.3	2.3
	18	3	0.3	2.3
03	00	3	0.4	2.5
	01	3	0.4	2.5
	02	...	-	-
	03	...	-	-
	04	3	0.4	2.5
	05 to 23	-	-	-
04	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	3	0.3	2.1
	05	3	0.4	2.4
	06	3	0.4	2.6
	07	3	0.4	2.6
	08	3	0.4	2.8
	09	3	0.3	2.3
	10	3	0.4	2.6
	11	3	0.4	2.5
	12	3	0.5	2.8
	13	3	0.5	3.0
	14	3	0.5	3.0
	15	3	0.5	3.1
	16	3	0.5	3.1
	17	3	0.5	3.1
	18	3	0.5	3.1
	19	3	0.5	3.1
	20	3	0.5	3.0
	21	3	0.4	3.3
	22	3	0.4	3.0
	23	3	0.5	3.0
05	00	3	0.4	3.1
	03	3	0.5	3.0
	06	3	0.5	3.0
	12	-	-	-
	18	3	0.5	2.9
06	00	3	0.4	2.7
	03	3	0.3	2.3
	06	3	0.3	1.9
	12	3	0.3	1.7
	18	3	0.3	1.9
07	00	3	0.3	1.7
	03	3	0.3	2.2
	06	3	0.3	2.1
	12	3	0.3	2.0
	18	3	0.3	2.1
08	00	1	0.3	2.3
	03	1	0.4	2.3
	06	1	0.4	2.3
	12	1	0.4	2.5
	18	3	0.4	2.5
09	00	3	0.3	2.5
	03	3	0.5	2.7
	06	3	0.6	2.6
	12	3	0.4	2.6
	18	3	0.3	2.3
10	00	3	0.3	2.3
	03	3	0.3	2.5
	06	3	0.3	2.5
	12	3	0.3	2.5
	18	3	0.3	2.5
11 to 23	Very irregular and small			
24	00	0.0	-	-
	03	3	0.3	2.2
	06	3	0.3	2.2
	12	3	0.3	2.4
	18	3	0.4	2.5
25	00	3	0.4	2.5
	03	3	0.4	2.6
	06	3	0.3	2.6
	12	3	0.3	2.5
	18	3	0.4	2.5
26	00	3	0.3	2.5
	03	3	0.3	2.6
	06	3	0.4	2.5
	12	3	0.3	2.7
	18	3	0.4	2.7
27	00	3	0.4	2.6
	03	3	0.4	2.7
	06	3	0.3	2.3
	12	3	0.3	2.3
	18	0.0	-	-
28	00	0.0	-	-
	03	3	0.3	2.3
	06	3	0.3	2.3
	12	3	0.3	2.3
	18	3	0.4	2.5
29	00	3	0.3	2.5
	03	-	-	-
	06	3	0.3	2.5
	12	3	0.2	2.6
	18	3	0.2	2.7
30	00	3	0.3	2.5
	03	3	0.3	2.5
	06	3	0.2	2.4
	12	3	0.2	2.4
	18	3	0.3	2.1
31	00	3	0.3	2.2
	03	3	0.3	2.3
	06	3	0.2	2.1
	12	3	0.3	2.1
	18	3	0.4	2.3

Station: HOWRAH.
Component: Vertical.

DATE	HOUR G.M.T	K	MEAN AMPLITUDE (MICRON)	MEAN PERIOD IN secs
01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.6	3.4
03	01	-	0.8	4.6
	02	-	0.6	5.8
	13	-	0.8	4.7
	14	-	0.8	4.8
	15	-	0.8	4.2
	16	-	0.7	4.4
	17	-	0.9	5.0
	19	-	0.6	4.5
	20	-	0.7	5.0
	21	-	0.7	5.0
	22	-	0.8	5.0
	23	-	0.9	5.0
04	01	-	0.8	5.1
	02	-	0.6	4.9
	13	-	1.0	5.0
	14	-	0.9	4.7
	15	-	0.6	4.1
	16	-	0.8	5.0
	17	-	0.7	4.8
	19	-	0.8	4.2
	20	-	0.6	4.9
	21	-	0.6	4.7
	22	3	0.5	3.9
			0.7	4.6
	23	3	0.7	3.8
			0.9	4.5
05	00	-	0.7	4.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	0.8	4.5
	06	-	-	-
	12	-	-	-
	18	-	0.5	4.3
07	00	-	0.7	4.3
	06	-	-	-
	12	-	-	-
	18	3	0.6	3.7
			0.8	5.1
08	00	-	0.7	4.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
09	00	-	0.9	4.7
	06	-	-	-
	12	-	-	-
	18	-	-	-
10	00	-	0.7	4.3
	06	-	-	-
	12	-	-	-
	18	-	0.4	4.4
11	00	-	0.6	4.4
	06	-	-	-
	12	-	-	-
	18	-	0.8	4.4
12	00	-	0.8	4.9
	06	-	0.6	4.5
	12	-	0.4	4.0
	18	3	0.4	3.8
			0.6	4.9
13	00	-	0.5	4.6
	06	-	-	-
	12	-	-	-
	18	3	0.5	4.1
			0.7	5.1
14	00	-	0.6	5.2
	06	-	-	-
	12	-	-	-
	18	-	0.7	5.0
15	00	-	0.6	4.8
	06	-	-	-
	12	-	-	-
	18	-	0.4	4.9
16	00	-	0.5	4.6
	06	-	-	-
	12	-	-	-
	18	-	0.5	4.7
17	00	-	0.8	2.1
	06	-	-	-
	12	-	-	-
	18	-	0.5	4.1
18	00	-	0.8	4.5
	06	-	0.4	2.3
	12	-	-	-
	18	-	0.4	3.7
19	03	-	0.3	2.1
			0.8	4.0
	04	3	0.7	2.3
			0.7	4.6
	05	3	0.4	2.2
			0.6	4.1
	07	-	0.7	4.9
	08	-	0.8	5.2
	17	-	0.4	3.4
			0.7	4.2
	19	-	0.6	4.4
	20	-	0.6	4.5
	21	-	0.6	4.6
	22	-	0.7	4.6
	23	-	0.5	4.4
20	01	-	0.7	4.7
	03	-	0.8	4.9
	04	-	0.7	4.5
	05	-	0.6	4.8
	14	-	0.5	4.3
	15	-	0.4	3.8
	16	-	0.6	4.4
	17	-	0.7	4.8
	19	-	0.9	4.5
	20	-	0.8	4.3
	21	-	0.8	4.8
	22	-	0.8	4.6
	23	-	0.6	4.1
21	00	-	0.7	4.3
	06	-	-	-
	12	-	-	-
	18	-	0.7	4.4

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DATE	HOUR G.M.T		MEAN GROUND MOTION (MICRON)	MEAN PERIOD IN secs
			0.8	5.0
	06			
	12			
	18		0.6	4.5
23	00	3	0.6	3.9
			0.7	4.7
	06			
	12		0.7	3.9
	18		0.8	4.1
			0.8	5.1
24	00		0.7	4.4
	06			
	12			
	18		0.7	4.4
25	00		0.7	4.6
	06			
	12			
	18		1.0	5.1
26	00		0.7	4.7
	06			
	12			
	18		0.7	4.3
27	00		0.6	3.7
			0.5	4.6
	06			
	12			
	18	3	0.3	2.6
			0.6	4.1
28	00		0.4	4.0
	06			
	12			
	18		0.6	4.8
29	00		0.5	4.2
	06			
	12			
	18		0.5	2.8
30	00		0.4	3.2
			0.5	4.5
	06			
	12			
	18		0.7	4.3
31	00		0.6	4.1
	06			
	12			
	18		0.7	4.8

Component N.S

DATE	HOUR G.M.T		MEAN GROUND MOTION (MICRON)	MEAN PERIOD IN secs
01	00		0.9	3.3
	06			
	12			
	18		1.0	4.3
02	00		1.4	4.8
	06			
	12			
	18		1.6	4.7
03	17		1.9	4.9
	19		1.8	4.6
	20		1.6	4.7
	21		1.4	5.0
	22		1.1	4.6
	23		1.5	5.1
04	13		1.7	5.1
	14		1.7	4.8
	15		1.6	5.1
	16		1.6	5.0
	17		1.5	4.8
	19	3	0.7	2.5
			1.2	4.5
	20		1.5	4.9
	21		1.5	4.7
	22		1.4	4.9
	23		1.4	5.2
	06		1.9	4.7
	12			
	18	3	1.0	3.6
			1.7	4.7
06	00		1.6	4.8
	06			
	12			
	18		1.1	4.4
07	00		1.5	4.9
	06			
	12			
	18		1.6	4.7
08	00		1.5	5.0
	06			
	12			
	18	3	1.6	4.0
			1.9	5.1
09	00		1.7	4.6
	06			
	12			
	18			
10	00	3	1.5	4.3
			1.7	5.1
	06			
	12		1.7	5.0
	18		1.6	4.7
11	00		1.7	4.9
	06			
	12			
	18		1.5	5.0
12	00		1.6	4.8
	06			
	12		1.4	4.9
	18		1.4	5.0
13	00		1.4	4.6
	06			
	12			
	18		1.3	4.8
14	00		1.2	4.7
	06			
	12			
	18		1.4	4.8
15	00		1.2	5.0
	06			
	12			
	18		1.3	4.9
16	00		1.0	2.3
	06			
	12			
	18		1.7	5.4
17	00		1.2	2.1
	06			
	12		1.9	6.3
	18		2.3	6.5
18	00	3	0.7	2.3
			2.4	6.5
	06		0.6	2.6
	12		1.6	5.4
	18		1.5	5.2
19	01		2.0	5.5
	19		1.4	4.8
	20		1.3	4.8
	21		1.3	4.6
	22		1.3	5.0
	23		1.7	5.4
20	01		1.6	5.4
	02		1.3	4.2
	14		1.6	5.1
	15	3	1.3	3.9
			1.7	4.8
	16		1.6	4.8
20 Contd.	17		1.5	5.0
	19		1.4	5.0
	20		1.4	5.0
	21		1.4	5.1
	22		1.3	5.1
	23		1.3	4.9
21	00		1.6	5.3
	06			
	12			
	18		1.4	5.0
22	00		1.5	5.1
	06			
	12			
	18		1.4	5.1
23	00		1.4	5.0
	06		1.5	4.9
	12		1.2	5.1
	18		1.4	5.2
24	00		1.2	5.2
	06			
	12			
	18		1.2	5.1
25	00		1.0	5.0
	06			
	12			
	18		1.5	4.9
26	00	3	1.1	4.2
			1.4	5.1
	06			
	12			
	18		1.2	4.8
27	00		1.3	4.9
	06		1.1	5.1
	12		1.2	5.1
	18		1.3	5.0
28	00	3	1.1	4.3
			1.7	5.5
	06			
	12		1.4	2.3
	18		1.3	2.7
29	00		1.5	4.8
	06			
	12		1.4	2.3
	18		1.3	2.7
30	00		1.0	3.1
			2.0	5.1
	06			
	12			
	18		2.0	5.3
31	00		1.8	4.9
	06			
	12			
	18		1.8	5.2

Component E.W.

DATE	HOUR G.M.T		MEAN GROUND MOTION (MICRON)	MEAN PERIOD IN secs
01	00		0.9	3.2
03	21		1.2	4.9
	23		1.6	5.0
17	00		1.2	2.1
	18		1.6	6.1
18	00		0.7	2.3
19	19		1.6	5.1
	20		1.1	4.7
27	18		1.4	5.5
28	00		1.3	5.6
29	18		1.2	3.0

Station PORT BLAIR

Component E W

DATE	HOUR G.M.T		GROUND MOTION (MICRON)	MEAN PERIOD IN secs
01 to 10	No microseismic movement			
11	00	1	8	7.5
	06	1	4	7.5
	12	1	4	7.5
	18	1	4	7.5
12	00	1	4	7.5
	06	1	4	7.5
	12	1	4	7.5
	18	1	4	7.5
13	00	0..		
	06	0..		
	12	0..		
	18	0..		
14	00	0..		
	06	0..		
	12	0..		
	18	0..		
15	00			
	06	1	8	7.5
	12	1	8	7.5
	18	1	8	7.5
16	00	1	8	7.5
	06	0		
	12	0		
	18	0		
17 to 31	No microseimic movement			

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

Oct, 1958

Published under the direction of
Shri S.Basu, M.Sc., F.N.I.,
Director General of Observatories

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGITUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To ~ Tg ~ 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h ~0.8	60
					Wood-Anderson	N	0.8	1000	h ~0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To~0.72	Tg~0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To~Tg~72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To~Tg~1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h~0 h~0.8	30
					Wood-Anderson	E	0.8	1000	h ~ 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To ~1.0	Tg ~0.18	-	60
					Sprengnether	E	To ~ Tg ~ 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h ~ 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h ~ 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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October 1958

DATE	STATION	COMPT	PHASE	G.M.T. h.	m.	s.	Δ km	REMARKS
01	Epc: 19½°N, 121°E. Off North Coast of Luzon, P.I. - H = 05h 21m 01s G.M.T (U.S.C.G.S)							
	SHILLONG	ZE	iP	05	26	55	3040	Slight,
			PP		27	43		Compression
			PPP		27	55		Other phases
			PcP		30	04		not well
			iS		31	35		developed.
	CHATRA	Z	iP	05	27	35		Feeble
01	SHILLONG	ZE	iP	05	27	34	340	Slight,
			Pg		27	50		compression
			S		28	12		
			S*		28	14		
			Sg		28	15		
	CHATRA	Z	iP	05	28	45	780	Slight
		EZ	iS		30	06		
	BOMBAY	N	e	05	35	39		Feeble
			e		38	52		
			e		39	13		
01	CHATRA	Z	i	08	02	45		Feeble
01	SHILLONG	Z	eP	09	24	49		Slight
01	Epc: 57°S, 147°E. Antartic Ocean, South west of Macqarie Island. - H =09h 29m 43s G.M.T. (USCGS) Mag; 6¼ (Pasadena).							
	PORT BLAIR	E	iP	09	42	10	9040	Moderate
			i		42	50		
			iSKS		52	21		
			PS		53	30		
			i		56	35		
			SS		57	41		
	COLOMBO	E	P	09	42	30		
			S		52	40		
			L		08	50		
			Mn		13	30		Amp. =0.7 mm
	SHILLONG	Z	eP	09	43	07	10260	Slight
		E	SKS		53	37		
			iS		54	09		
	MADRAS	E	e	09	43	09		Moderate
			e		47	49		
			eS		53	18		
			ScS		53	33		
			PS		54	14		
			PPS		54	35		
	CALCUTTA	E	e	09	43	19		Moderate
			i		54	18		
	BOMBAY	N	e	09	45	39		Slight
			ePP		47	11		
		NE	e		54	45		
		N	e		56	08		
			M	10	21	18		Per. =19 secs
								A = 6
	CHATRA	Z	iPP	09	47	14		Slight
		E	iSKS		54	08		
	AGRA	Z	iPP	09	47	27		Moderate,
			i		48	15		compression
			PPP		50	38		
		EZN	iSKS		54	22		
		Z	i		56	57		
		N	i	10	02	38		
		Z	i		15	27		
		NZ	i		17	35		
		EZN	M		21	27		Per. =22 secs
								Amp =19 mm
	DEHRA DUN	NE	e	09	47	37		Feeble, phases
			i		54	33		not clear
	KODAIKANAL	E	eS	09	53	07		Tremor
	HYDERABAD	EN	S	09	53	37		
		N	M	10	15	33		Per. =17 secs
								Amp. =10
		E	M		18	03		Per. =18 secs
								Amp. = 7
01	SHILLONG	Z	eP	12	07	27		Slight
01	SHILLONG	Z	iP	17	59	12		Slight,
								rarefaction
01	CHATRA	Z	i	17	59	23		Feeble, distant
Contd.								
01	SHILLONG	Z	iP	20	09	50		Slight,
								rarefaction
01	SHILLONG	Z	iPg	21	39	02		Slight, near
			iSg		39	16		
02	Epc: 7½°N, 127°E. Off East coast of Mindanao, P.I. - H =15h 00m 56s G.M.T. (U.S.C.G.S)							
	SHILLONG	ZE	iP	15	07	42	4390	Slight,
		E	pP		08	14		compression
			sP		08	29		First movement
			PP		08	54		West.
			PPP		09	24		
			iS		13	30		
			sS		14	23		
			SS		15	41		
	PORT BLAIR	E	i	15	08	40		Slight
			e		09	51		
			e		11	30		
			e		13	30		
			e		14	25		
			e		16	29		
			M		18	20		
	CHATRA	Z	iP	15	08	48	4670	Slight
		E	iS		15	08		
	DEHRA DUN	NE	e(P)	15	10	02	5510	Feeble
			iS		17	10		
	BOMBAY	NE	eS	15	17	53		Feeble
			e		20	06		
02	CHATRA	Z	iPg	21	08	31	150	Feeble
			iSg		08	50		
02	CHATRA	Z	iP	23	24	57	50	Slight
			iS		25	04		
	SHILLONG	Z	e	2	25	25		Tremor
03	Epc: 13½°N, 120°E. Philippine Islands Region - H =00h 33m 07s G.M.T. (U.S.C.G.S)							
	SHILLONG	ZE	eP	00	39	16		Slight, Phases
		E	eS		44	01		not clear
	PORT BLAIR	E	e	00	39	49		Slight
			iS		43	28		
			M		46	30		
	CHATRA	Z	iP	00	39	57	3580	Slight
			iS		45	09		
03	CHATRA	Z	iP	17	25	39	220	Feeble
			iS		25	05		
03	SHILLONG	Z	iP	17	51	01		Slight,
								rarefaction
03	SHILLONG	Z	P	18	01	17	150	Slight
			Sg		01	37		
03	SHILLONG	Z	Pg	21	04	14	100	Slight
			Sg		04	26		
04	Epc: 4½°S, 143½°E. New Guinea. - h about 100 km - H = 00h 49m 36s G.M.T. (U.S.C.G.S)							
	SHILLONG	ZE	iP	00	59	31	6450	Slight,
		E	PP	01	01	41		rarefaction
			iS		07	31		First movement
								East.
	DEHRA DUN	NE	e	01	00	58		Feeble
			i		10	09		
04	SHILLONG	Z	iP	05	58	19		Slight,
			i	06	00	30		rarefaction
04	SHILLONG	Z	iP	10	00	09		Slight
	CHATRA	Z	i	10	00	35		Feeble, distant
04	SHILLONG	Z	eP	11	41	51		Slight,
								compression
	CHATRA	Z	i	11	42	17		Feeble, distant
04	SHILLONG	Z	iP	15	17	10		Slight,
								rarefaction

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
			October 1958			
04	SHILLONG	Z	iP	15 26 27		Slight, compression
04	SHILLONG	Z	iP	18 29 59		Slight, compression
04	SHILLONG	Z	iP	18 47 45		Slight, compression
04	SHILLONG	Z	e	23 33 53		Slight, near
05	SHILLONG	Z	iP	15 58 25		Slight, distant Compression
05	SHILLONG	Z	iP	16 41 22	130	Slight
			Sg	41 37		rarefaction
05	CHATRA	Z	iP	15 47 25	110	Slight
		EZ	iS	47 41		
	SHILLONG	Z	e	15 48 35		Slight, distant
05	SHILLONG	Z	eP	23 04 43		Slight
	CHATRA	Z	iP	23 05 18	1400	Slight
		E	iS	07 40		
05	SHILLONG	Z	e	01 00 49		Slight, distant
06	SHILLONG	Z	eP	01 02 03		Slight
06	CHATRA	NE	e	03 16 25		Feeble, distant
	DEHRA DUN	NE	e	03 15 27		Tremor
06	CHATRA	Z	i	06 41 31		Feeble, distant
06	CHATRA	Z	i	07 27 45		Feeble, distant
06	Epc: 37½°N, 54½°E. Iran-Turtman, U.S.S.R., border. - H = 09h 29m 22s G.M.T-(USCGS)					
	AGRA	EZ	iP	09 29 38		Slight, dilata-
		ENZ	iS	34 22		tion, ground
			i?	38 45		Eastmotion East
			M	41 18		Per.=19 secs Amp.=13.0 mm
	DEHRA DUN	NE	eP	09 34 06		Feeble, phases
			iS	37 52		not clear
			i	38 15		
	BOMBAY	NE	eP	09 34 41		Feeble
	CHATRA	Z	iP	09 35 18		Slight
		E	i	40 34		
	SHILLONG	Z	iP	09 36 06		Slight, compression
06	SHILLONG	Z	eP	19 02 43		Slight, distant
07	CHATRA	Z	i	10 30 45		Feeble, distant
	SHILLONG	Z	e	10 31 19		Slight, distant
07	Epc: 5°S, 151½°E. New Britain - H = 12h 32m 40 s G.M.T. (U.S.C.G.S) Mag: 6¼ - 6½ (Berkeley)					
	PORT BLAIR	E	iP	12 43 07		Slight
	SHILLONG	Z	iP	12 43 30		Slight, compression
	CALCUTTA	E	eP	12 43 43	7750	Slight
			iS	52 51		
	CHATRA	Z	iP	12 43 46	7830	Slight
		E	iS	52 59		
	HYDERABAD	E	eP	12 44 35	8350	Slight
			eS	54 14		
			ScS	54 35		
			PS	55 05		
			Lr	13 05 34		
			M	14 06		Per= 15 secs μ = 4
	KODAIKANAL	E	e	12 44 40		Tremor
	AGRA	EZ	iP	12 44 45	8640	Moderate,
		E	i?	44 51		compression.
		Z	PcP	44 59		First motion
			i?	45 31		West.
07	AGRA Contd.	Z	PP	12 47 30		
	Contd.	EZ	PPP	49 31		
		E	iS	54 38		
		EZ	SKS	54 45		
		Z	PS	55 26		
		EZ	PPS	55 35		
			i?	55 51		
			i?	57 21		
		Z	i?	59 19		
		EZ	SS	13 00 35		
		Z	SSS	04 16		
			Lq	07 52		
			Lr	11 16		
		EZ	M	15 22		Per.=24 secs μ =16.5 mm
	DEHRA DUN	NE	e(P)	12 44 52		Slight, phases
			i(S)	54 41		not clear
			i	55 49		
	BOMBAY	NE	e(P)	12 45 08		Slight
		N	e(S)	55 11		
	BOKARO	N	e	12 54 00		Slight
07	SHILLONG	Z	iP	15 44 10		Slight, distant
			i	44 50		compression
07	CHATRA	Z	iP	16 33 29	270	Feeble
			iS	34 00		
07	CHATRA	Z	iP	21 17 28	180	Feeble
			iS	17 49		
08	SHILLONG	Z	eP	11 07 54	270	Slight
			Sg	08 33		
08	SHILLONG	Z	iP	14 12 01		Slight, distant compression
	CHATRA	Z	i	14 12 27		Feeble, distant
08	DEHRA DUN	NE	e	23 24 33		Tremor
	CHATRA	Z	iP	23 26 04	1570	Feeble
			iS	28 42		
	SHILLONG	Z	eP	23 25 51		Slight, distant
09	PORT BLAIR	E	iP	00 59 37	1210	Slight
			PP	59 44		
			PPP	59 53		
			iS	01 01 41		
			M	03 17		
	SHILLONG	Z	iP	01 00 16		Slight,
			i	00 56		compression
	CHATRA	Z	iP	01 01 24	2550	Slight
		E	iS	05 38		
09	SHILLONG	Z	eP	05 02 58	130	Slight
			Sg	03 13		
	CHATRA	Z	iP	05 03 39	470	Feeble
			iS	04 29		
09	CHATRA	Z	iP	05 07 11	310	Feeble
			iS	07 45		
09	SHILLONG	Z	e	10 31 13		Slight, distant
09	Epc: 55½°S, 27½°W. Sandwich Island Region - H = 11h 20m 17 s G.M.T. (U.S.C.G.S)					
	CALCUTTA	E	ePKP	11 37 55		Slight
			PP	39 39		
			PPP	41 55		
			PS	49 26		
			PPS	50 38		
			M	12 25 47		
	CHATRA	Z	iPKP	11 39 11		Feeble
	SHILLONG	Z	ePKP	11 39 25		Slight
	BOMBAY	N	ePP	11 39 47		Slight, Strong
			e	45 45		microseisms
			e	49 11		present.
			e	55 10		
			M	12 20 25		Per.=18 secs Amp.=3.0 mm

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				October 1958				
09 Contd.	AGRA	EZ	iPP	11	40	51		Moderate, compression
		Z	i		41	08		Ground motion
			i		44	21		East.
			e		45	33		
			i		47	38		
			i		50	39		
			e		51	03		
			i		51	59		
			i		58	07		
	DEHRA DUN	NE	e	11	41	12		Slight, phases not clear
			i		46	19		
			i		47	50		
			i		50	58		
	KODAIKANAL	E	eSES	11	45	21		Tremor
	COLOMBO	E	L	12	09	35		Phases not clear
			Mn		17	40		Amp. ±0.5 mm
	MADRAS	E	M	12	12	59		
	HYDERABAD	E	M	12	19	03		Per. ±18 secs
								Amp. ± 5
09	SHILLONG	Z	iP	12	21	55	170	Slight,
			Sg		22	16		rarefaction
09	CHATRA	Z	i	13	40	58		Feeble
	SHILLONG	Z	iP	13	41	34		Slight, compression
09	SHILLONG	Z	iP	15	22	54	330	Slight,
			S		23	31		rarefaction
09	SHILLONG	Z	e	15	44	43		Slight, distant
10	SHILLONG	Z	iP	04	13	00		Slight, distant compression
10	AGRA	ZNE	eP	08	19	45		Slight, short period vibration
10	SHILLONG	Z	iP	08	40	07		Slight, distant Compression
	PORT BLAIR	E	i	08	41	19		Slight
10	DEHRA DUN	NE	e	08	49	23		Tremor
10	SHILLONG	Z	iP	09	17	19		Slight, rarefaction
	CHATRA	E	iP	09	18	15	600	Slight
			iS		19	18		
	CALCUTTA	E	eP	09	18	33	930	Slight
			iS		20	09		
	DEHRA DUN	NE	e	09	19	47		Feeble
			i		22	04		
			i		23	52		
	PORT BLAIR	E	i	09	23	11		Slight
	BOMBAY	NE	e	09	27	17		Slight, near
10	SHILLONG	Z	eP	10	23	46	240	Slight
			S		24	14		
10	SHILLONG	Z	iP	11	42	59		Slight, distant compression
10	SHILLONG	Z	e	20	54	00		Slight, distant
10	SHILLONG	Z	iP	21	16	43		Slight, distant compression
10	SHILLONG	Z	eP	22	57	35	130	Slight
			Sg		57	51		
10	SHILLONG	Z	iP	23	59	33	130	Slight,
			Sg		59	49		rarefaction
11	SHILLONG	Z	iP	00	54	01		Slight, distant compression
11	Epc: 53°N, 159½°E. Near East Coast of Kamchatka - H ±02h 00m 40s G.M.T.(7.S.C.G.S)							
	SHILLONG	Z	iP	02	10	24		Slight, distant compression.
11	SHILLONG	Z	iP	03	40	35	140	Slight,
			Sg		40	53		rarefaction
11	SHILLONG	Z	eP	05	05	41		Slight, distant
11	SHILLONG	Z	eP	06	05	19		Slight, distant
	DEHRA DUN	NE	e	06	07	33		Feeble
			e		11	35		
11	SHILLONG	Z	eP	09	15	20		Slight, distant
11	SHILLONG	Z	eP	10	05	28	180	Slight
			Sg		05	51		
11	DEHRA DUN	NE	e	14	57	12		Tremor
	SHILLONG	Z	iP	14	57	25		Slight
			i		58	05		
11	SHILLONG	Z	iP	18	16	22		Slight, local
11	SHILLONG	Z	eP	19	33	47		Slight, distant
11	SHILLONG	Z	e	21	10	51		Slight, distant
12	DEHRA DUN	NE	e	03	02	52		Tremor
12	SHILLONG	Z	eP	06	39	00		Slight, distant
12	SHILLONG	Z	eP	08	31	25		Slight, distant
12	SHILLONG	Z	eP	11	18	05		Slight, distant
12	SHILLONG	Z	iP	12	57	38		Slight, distant rarefaction
	CHATRA	Z	i	12	58	21		Feeble, distant
12	CHATRA	Z	iP	13	39	01	150	Feeble
			iS		39	20		
12	Epc: 27½°N, 125½°E. East China Sea. - h = 250 km - H = 15h 18m 42s G.M.T. (U.S.C.G.S) 27°N, 123°E. - H = 15h 18m 59s G.M.T (Shillong) Mag: 6¾ (Pasadena).							
	SHILLONG	ZNE	iP	15	24	41	3070	Slight
		E	PP		25	30		
			PPP		25	42		
			iS		29	22		
			Lq		30	26		
			SS		30	40		
			SSS		31	00		
			Lr		31	41		
			M		33	57		
	CALCUTTA	E	iP	15	25	18	3520	Moderate. First
			PPP		25	37		movement West.
			iS		30	28		
			SSS		32	33		
	CHATRA	ZE	iP	15	25	19	3750	Slight
			iS		30	30		
	TOCKLAI	E	eP	15	25	21		Slight, distant
	PORT BLAIR	E	iP	15	25	22	3550	Slight
			i		26	04		
			PP		25	32		
			PcP		27	52		
			iS		30	33		
			i		31	32		
			SS		32	35		
			i		35	10		
	BOKARO	N	eP	15	25	32	3670	Slight, other
			iS		30	50		phases uniden- tifiable.
	DEHRA DUN	NE	eP	15	26	15	4280	Slight
		N	PP		27	28		
			iS		32	12		
			Lq		35	17		
			SSS		35	27		
			M		40	12		
	AGRA	EZ	iP	15	26	18	4680	Moderate,
		N	eP		26	18		rarefaction.
		EZ	ipP		27	10		Direction of
			isPP		27	41		first motion
			PP		28	01		East. Probable
		ENZ	iPcP		28	41		depth 250 kms.

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					October 1958			
12 Contd.	AGRA Contd.	ENZ	i	15	29	21		
			iS		32	17		
			i		32	42		
			isSs		33	49		
		Z	SS		34	53		
			Lq		35	13		
		ENZ	iSSS		35	35		
			ScS		36	13		
		EN	Lr		37	05		
		ENZ	i?		37	55		
	HYDERABAD	EN	eP	15	26	40	4560	Moderate
		E	PP		28	04		
			PcS		32	04		
		EN	eS		32	54		
		E	i		34	34		
			Lq		36	14		
		N	Lr		38	01		
		E	Lr		38	10		
		N	M		40	55		Per. ≈ 14 secs Amp. ≈ 5mm
		E	M		41	16		Per. ≈ 11 secs Amp. ≈ 2 mm
	COLOMBO	E	P?	15	27	05		
			S		30	10		
			L		36	50		
			Mn		39	15		Amp. ≈ 0.9 mm
	KODAIKANAL	E	e(P)	15	27	11		Slight, phases
			S		33	59		not clear
	BOMBAY	NE	eP	15	27	11	5300	Slight, deep
			e		28	07		
		N	PPP		30	00		
		E	i		33	59		
		NE	eS		34	07		
			e		35	41		
		N	SS		37	27		
			Lr		40	01		
			M		42	40		Per. ≈ 10 secs Amp. ≈ 2 mm
	MADRAS	E	eP	15	27	37	5570	Moderate
			PcP		28	37		
			PP		29	20		
			iS		34	49		
			PPS		35	04		
			SS		38	06		
12	SHILLONG	Z	eP	15	35	32	370	Slight
			S		36	12		
12	SHILLONG	Z	iPg	18	00	52	70	Slight,
			Sg		01	00		rarefaction
13	SHILLONG	Z	iP	08	06	00		Slight, compression
	CHATRA	Z	iP	08	07	06	1000	Slight
		EZ	iS		08	49		
13	DEHRA DUN	NE	e	08	30	15		Tremor
	CHATRA	Z	i	08	31	54		Feeble, distant
	SHILLONG	Z	iP	08	32	24		Slight, compression
13	Epc: 41½°N, 75°E. Kirghiz S.S.R. ~ H ≈ 08h 58m 10s (G.M.T. (U.S.C.G.S)							
	DEHRA DUN	NE	eP	09	00	59		Feeble
			i		02	03		
			i		04	29		
			i		04	53		
	AGRA	ENZ	eP	09	01	37	1550	Slight
		Z	iS		04	14		
		EZ	i?		06	20		
		NZ	i?		07	30		
	CHATRA	Z	iP	09	02	26	2120	Slight
		E	iS		05	55		
	BOKARO	N	iP	09	02	46		Slight, other
			e		13	01		phases not clearly developed.
	SHILLONG	Z	iP	09	03	00		Slight, compression
13 Contd.	BOMBAY	N	e	09	03	17		Feeble
		NE	e		07	36		
		E	e		09	43		
	HYDERABAD	N	iP	09	03	28	2850	Slight, first
			iS		07	55		movement
			i		11	21		North.
			M		12	31		Per. ≈ 8 secs Amp. ≈ 4
	CALCUTTA	E	e(P)	09	03	34		Slight
			PcP		07	19		
			iS		07	43		
			SS		08	34		
	MADRAS	E	e	09	10	06		Slight, phases
			e		10	38		not clear
			e		14	08		
			e		14	33		
			e		15	37		
			e		17	23		
	KODAIKANAL	E	e	09	10	24		Tremor
13	DEHRA DUN	NE	e	10	14	40		Feeble
			i		17	57		
			i		18	13		
	CHATRA	Z	iP	10	15	29	2750	Slight
			iS		20	49		
	SHILLONG	Z	eP	10	17	05		Slight
	BOKARO	N	e	10	23	21		Tremor
	KODAIKANAL	E	e?	10	28	09		Tremor
13	SHILLONG	Z	iP	12	22	16	200	Slight,
			Sg		22	44		rarefaction
13	SHILLONG	Z	e	19	20	15		Slight, distant
13	SHILLONG	Z	iP	23	25	17		Slight, local
14	SHILLONG	Z	eP	03	56	22	170	Slight
			Sg		56	45		
14	CHATRA	Z	iPg	07	01	18	100	Feeble
			iSg		01	32		
14	CHATRA	Z	iPg	07	21	56	100	Feeble
			iSg		22	10		
14	SHILLONG	Z	iP	09	16	12		Slight, compression
	CHATRA	Z	i	09	16	27		Feeble, distant
14	SHILLONG	Z	eP	10	46	52		Slight, distant
14	SHILLONG	Z	eP	13	08	51	180	Slight
			Sg		09	14		
14	SHILLONG	Z	iP	15	01	31	230	Slight,
			Sg		02	04		compression
14	SHILLONG	Z	eP	16	00	22		Slight, near
14	SHILLONG	Z	e	18	11	20	230	Slight
			Sg		11	52		
14	SHILLONG	Z	e	18	22	31		Slight, very distant
14	SHILLONG	Z	iP	19	02	27		Slight, distant Compression
14	SHILLONG	Z	iP	19	26	47		Slight, local
14	SHILLONG	Z	iP	21	12	17		Slight, distant Compression
	CHATRA	Z	i	21	12	43		Feeble, distant
14	SHILLONG	Z	eP	21	27	03	180	Slight
			Sg		27	26		
	CHATRA	Z	i	21	29	13		Feeble, distant
14	SHILLONG	Z	eP	23	17	41		Slight
15	SHILLONG	Z	iP	03	20	56	110	Slight,
			Sg		21	08		rarefaction

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
15	SHILLONG	Z	eP	04	13	07	280	Slight
			Sg		13	47		
15	PORT BLAIR	N	iPg	16	17	45	50	Slight
			iSg		17	51		
15	SHILLONG	Z	e	17	04	00		Slight, very distant.
15	SHILLONG	Z	eP	18	02	18		Slight
15	SHILLONG	Z	iPg	18	34	38	110	Slight
			Sg		34	49		
15	SHILLONG	Z	e	19	06	30		Slight, very distant
15	SHILLONG	Z	eP	19	26	43		Slight
15	SHILLONG	Z	e	20	04	09		Slight
15	SHILLONG	Z	e	20	33	01		Slight, distant
15	SHILLONG	Z	e	20	52	45		Slight, distant
15	CHATRA	Z	iP	22	09	09	490	Feeble
			iS		10	01		
15	SHILLONG	Z	iP	23	35	10	250	Slight, compression
			Sg		35	45		
16	CHATRA	Z	i	08	56	40		Feeble, distant
	SHILLONG	Z	eP	08	57	19		Slight, distant
	TOCKLAI	E	e	08	58	07		Slight, distant
16	Epc: 23°N, 94°E. Burma-Pakistan border - H =11h 52m 45s G.M.T.(Shillong)							
	SHILLONG	ZNE	iP	11	53	39	370	Slight
		E	iS		54	19		rarefaction
	TOCKLAI	E	eP	11	53	49		Slight
			e(S)		54	30		
	CALCUTTA	E	eP	11	54	02	580	Slight
			eS		55	03		
	CHATRAA	Z	iP	11	54	22	840	Slight
		EZ	iS		54	49		
	PORT BLAIR	E	eP	11	55	00		Slight
	AGRA	ENZ	eP	11	56	16		Slight
			e		58	48		
	DEHRA DUN	NE	eP	11	56	31		Feeble
			i	12	00	20		
	BOMBAY	NE	eS	12	00	41		Tremor
16	SHILLONG	Z	iP	17	41	13		Slight, distant Compression
16	SHILLONG	Z	iP	18	12	10		Slight, distant Compression
	CHATRA	Z	i	18	14	23		Slight, distant
16	CHATRA	Z	iPg	19	42	40	90	Feeble
			iSg		42	52		
17	SHILLONG	Z	iP	12	43	18		Slight, distant Compression
17	CHATRA	Z	i	16	21	09		Feeble, near
17	DEHRA DUN	NE	e	16	47	36		Tremor
	CHATRA	Z	i	16	51	06		Feeble, distant
17	CHATRA	Z	iPg	21	30	08	80	Feeble
			iSg		30	19		
18	SHILLONG	Z	eP	00	36	55		Slight, distant
18	CHATRA	Z	iPg	04	24	56	70	Feeble
			iSg		25	06		
18	SHILLONG	Z	eP	06	53	45		Slight, distant
18	SHILLONG	Z	e	15	37	16		Slight, distant
18	SHILLONG	Z	e	17	48	59		Slight, distant
18	SHILLONG	Z	e	22	36	54		Slight
19	SHILLONG	Z	eP	06	50	33	240	Slight
			Sg		51	07		
19	CHATRA	Z	iP	07	58	31	150	Feeble
19	SHILLONG	Z	iS	11	56	50		Slight, local compression
	CHATRA	Z	iP	11	57	28	880	Slight
			iS		58	59		
19	CHATRA	Z	i	12	14	10		Feeble, distant
19	CHATRA	Z	i	12	18	31		Feeble, distant
19	KODAIKANAL	E	e?	12	35	01		Tremor
19	SHILLONG	Z	iP	13	13	33		Slight, distant compression
19	CHATRA	Z	iPg	14	02	50	70	Feeble
			iSg		03	00		
19	SHILLONG	Z	eP	18	04	29	280	Slight
			Sg		05	09		
19	SHILLONG	Z	iP	21	24	53		Slight, distant Compression
19	SHILLONG	Z	eP	21	59	43		Slight, distant
19	SHILLONG	Z	iP	22	39	01		Slight, local
	CHATRA	Z	iP	22	40	02	490	Feeble
			iS		40	55		
20	SHILLONG	Z	iP	01	06	59		Shight, compression
20	Epc: 9½°S, 112¼°E. Off South Coast of Java - H = 01h 12m 30s G.M.T.(U.S.C.G.S) 8°S, 112¾°E. - H =01h 12m 45s G.M.T.(Shillong)							
	PORT BLAIR	E	iP	01	18	27	3000	Moderate
			i		19	54		
			i		21	17		
			PcP		21	53		
			iS		23	04		
			SS		24	14		
			M		28	02		
			ScS		29	04		
	COLOMBO	E	P	01	19	35		
			S		25	10		
			L		30	05		
			M		33	05		Amp. =1.0 mm
	SHILLONG	Z	iP	01	20	07	4220	Moderate
			PP		21	37		
			PPP		22	01		
			iS		26	00		
			SS		28	30		
			SSS		29	10		
			M		33	50		Per. =15 secs μ = 7
	TOCKLAI	E	iP	01	20	09		Slight, first movement West.
	KODAIKANAL	E	iP	01	20	11	4290	Slight, initial ground movement West
			S		26	08		
	BOKARO	N	iP	01	20	25	4510	Moderate. Surface waves lost while changing chart.
			PPP		22	32		
			iS		26	35		
			Lq		29	49		
			Lr		31	51		
	HYDERABAD	EN	iP	01	20	29	4620	Moderate. First movement North and West
			PP		21	58		
			PPP		22	36		
		N	PcS		25	00		
		EN	iS		26	46		
		E	PS		27	03		
			SS		30	00		
		N	Lq		30	24		
			SSS		30	43		
			Lr		32	03		
		E	Lr		32	15		
			M		36	00		Per. =18 secs μ = 8
		N	M		36	03		Per. =18 secs μ = 5

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				October 1958		
20 Contd.	CHATRA	Z	iP	01 20 33	4700	Slight
		E	iS	26 55		
	BOMBAY	NE	iP	01 21 13	5180	Moderate
			iS	28 03		
		N	e	28 51		
		E	i	29 03		
		N	e	29 07		
		NE	i	30 56		
		N	M	44 51		Per. ≈17 secs μ ≈ 4
	AGRA	ENZ	iP	01 21 21	5480	Moderate, compression.
		NZ	PP	21 41		
		ENZ	sP	21 51		Ground motion
		NZ	PcP	22 55		North and West
		EZ	PPP	24 35		
			i?	25 47		
			PcS/ScP	27 04		
		ENZ	iS	28 16		
		E	PS	28 24		
		ENZ	PPS	28 31		
			sS	38 56		
			i?	29 20		
		EN	ScS	31 03		
			SS	31 36		
		NZ	i?	32 04		
		EZ	Lq	32 46		
		EN	SSS	32 57		
			Lr	35 03		
		ENZ	M	38 42		Per. ≈21 secs Amp. ≈14.0 mm
	DEHRA DUN	NE	eP	01 21 37	5460	Slight
		N	PP	23 09		
			iS	28 42		
			SS	31 19		
			Lq	32 06		
			SSS	32 30		
			Lr	34 39		
			M	39 46		
	MADRAS	E	PPP	01 21 56		Moderate.
			iS	25 50		Beginning lost
			Lq	28 14		at the time of
			Lr	30 04		changing the
			M	33 17		chart.
20	SHILLONG	Z	eP	03 06 22		Slight, distant
	TOCKLAI	E	eP	04 24 25		Slight
20	SHILLONG	Z	eP	04 25 25		Slight
	CHATRA	Z	iP	04 26 19	1050	Slight
			iS	28 07		
20	SHILLONG	Z	eP	13 46 54		Slight
	CHATRA	Z	iP	15 49 45	290	Feeble
			iS	50 18		
20	SHILLONG	Z	iP	20 14 27		Slight, distant Rarefaction
20	SHILLONG	Z	iPg	20 39 33	20	Slight,
			Sg	39 35		rarefaction
20	SHILLONG	Z	e	22 01 39		Slight, distant
21	Epc: 5½°S, 147°E. Near Northeast Coast of New Guinea - H ≈ 06h 14m 50s G.M.T.(U.S.C.G.S)					
	SHILLONG	Z	eP	06 25 13		Slight
	CHATRA	Z	iP	06 25 37		Slight
	AGRA	EZ	e	06 27 11		Feeble
		Z	i	30 15		
		EZ	i	36 43		
21	SHILLONG	Z	iP	07 22 15		Slight, distant compression
	CHATRA	Z	i	07 22 46		Feeble, distant
21	Epc: 11°S, 111°E. South of Java - H ≈ 15h 40m 40s G.M.T.(U.S.C.G.S)					
	KODAIKANAL	E	e(P)	15 48 14		Tremor
	SHILLONG	Z	iP	15 48 27		Slight, rarefaction
21 Contd.	CHATRA	Z	i	15 48 49		Slight
	AGRA	ENZ	iP	15 49 35	5450	Slight, dilation.
			iS	56 39		Ground motion South and East
21	SHILLONG	Z	e	17 46 37		Feeble, distant
21	SHILLONG	Z	eP	18 40 05		Slight, distant
21	SHILLONG	Z	iP	18 59 38		Slight, distant compression
21	SHILLONG	Z	eP	20 04 25		Slight, distant
22	SHILLONG	Z	eP	00 45 26		Slight, distant
22	DEHRA DUN	NE	e	02 30 53		Tremor
	AGRA	ENZ	eP	02 31 26	1150	Feeble, short
			eS	33 24		period vibration
	CHATRA	Z	iP	02 32 32	1890	Slight
		EZ	iS	35 41		
22	SHILLONG	Z	iP	12 33 34	120	Slight,
			Sg	33 47		rarefaction
22	COLOMBO	E	P	23 55 20		
			M	00 07 15		Amp. ≈0.6 mm
	SHILLONG	Z	iP	23 55 22		Slight, distant compression
23	SHILLONG	Z	ePg	03 45 45	20	Slight
			Sg	45 47		
23	SHILLONG	Z	ePg	07 18 09	40	Slight
			Sg	18 14		
23	SHILLONG	Z	i	09 22 59		Slight, distant
23	DEHRA DUN	NE	e	15 19 33		Tremor
23	CHATRA	Z	i	15 19 46		Feeble, distant
	SHILLONG	Z	eP	15 20 39		Slight
23	Epc: 34½°N, 47°E. Iran. - H ≈15h 43m 00s GMT(USCGS)					
	DEHRA DUN	NE	eP	15 48 44	3040	Feeble
			e(S)	53 25		
	CHATRA	Z	iP	15 49 49		Slight, distant
		E	i	15 07 25		Surface waves
	SHILLONG	Z	iP	15 50 32		Slight, compression
23	BOKARO	N	e	15 03 29		Slight
23	SHILLONG	Z	eP	17 03 45	240	Slight
			Sg	04 20		
	CHATRA	Z	iP	17 04 33	770	Feeble
			iS	05 53		
23	SHILLONG	Z	e	18 03 24		Slight, distant
23	SHILLONG	Z	eP	21 43 28		Slight, distant
23	SHILLONG	Z	iP	22 43 28		Slight, distant Compression
24	SHILLONG	Z	eP	10 14 54		Slight, distant
24	SHILLONG	Z	iP	11 29 17		Slight, local
24	SHILLONG	Z	iP	21 20 52		Slight, distant compression
	CHATRA	Z	i	21 21 28		Feeble, distant
24	SHILLONG	Z	iP	22 10 50		Slight, distant compression
24	CHATRA	Z	iPg	22 16 02	70	Feeble
			iSg	16 12		
24	SHILLONG	Z	iP	22 33 41		Slight, distant Compression
24	SHILLONG	Z	eP	22 43 21		Slight
25	SHILLONG	Z	eP	07 45 09		Slight

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				October 1958		
25	CHATRA	Z	iP	08 12 02	200	Feeble
			iS	12 26		
25	SHILLONG	Z	eP	16 25 40		Distant, slight
25	SHILLONG	Z	eP	16 40 49		Slight, distant
25	SHILLONG	Z	eP	19 30 53	320	Slight
			Sg	31 42		
25	SHILLONG	Z	e	20 31 33		Slight, distant
25	SHILLONG	Z	eP	21 00 48		Slight
25	SHILLONG	Z	eP	22 16 49		Slight, local
26	SHILLONG	Z	e	00 15 34		Slight, distant
26	Epc: 5½°N, 117°E. Northern Borneo - H = 02h 17m 32s G.M.T. (U.S.C.G.S)					
	PORT BLAIR	E	iP	02 23 00	3160	Slight
			PP	23 56		
			PPP	24 12		
			PcP	26 14		
			eS	27 48		
			Lq	29 18		
			Lr	30 28		
			M	34 28		Per. ≈15 secs μ ≈26
	SHILLONG	Z	iP	02 23 58		Slight, compression
	CHATRA	Z	iP	02 24 37		Slight
		E	i	27 18		
	COLOMBO	E	P	02 24 50		
			M	43 50		Amp. ≈0.5 mm
	MADRAS	E	eP	02 24 51	4180	Feeble
			e	25 15		
			eS	30 42		
	AGRA	ENZ	iP	02 25 40	4780	Slight, compression. Initial ground movement North and West. Other phases lost while changing charts.
			iS	32 06		
	DEHRA DUN	NE	e(P)	02 25 53		Slight
			i	35 47		
	BOMBAY	NE	eP	02 25 57	5070	Slight
			eS	32 40		
26	PORT BLAIR	E	iP	05 30 17	200	Slight
			Pg	30 20		
			iSg	30 35		
	SHILLONG	Z	eP	05 33 09		Slight
26	SHILLONG	Z	eP	12 33 21		Slight
25	PORT BLAIR	E	iPg	13 16 00	20	Slight
			Sg	16 03		
26	SHILLONG	Z	eP	15 36 37		Slight, distant
26	Epc: 3°N, 127°E. Molucca Passage - H = 18h 47m 35s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	18 55 36		Slight, compression
	CHATRA	Z	iP	18 56 12		Feeble
25	SHILLONG	Z	iP	20 31 25	130	Slight, Compression
			Sg	31 41		
26	CHATRA	Z	iP	22 27 47	210	Feeble
			iS	28 12		
27	DEHRA DUN	NE	e	13 13 21		Tremor
27	SHILLONG	Z	eP	17 25 38		Slight
27	CHATRA	Z	i	18 25 58		Feeble, distant
27	SHILLONG	Z	eP	21 27 25		Slight, distant
27	CHATRA	Z	i	22 27 57		Feeble, distant

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
28	TOCKLAI	E	eP	05 23 29		Slight, near
			i	23 31		
			e	23 38		
			i	23 48		
	SHILLONG	ZNE	eP	05 23 50	420	Slight
		NE	iS	24 35		
	CHATRA	E	i	05 24 52		Slight
			i	27 57		
	CALCUTTA	E	e	05 25 15		Moderate, near
			i	25 58		
	PORT BLAIR	E	iP	05 26 07	1760	Slight
			PP	26 17		
			PPP	26 24		
			eS	29 04		
			SSS	29 34		
			Lr	29 48		
			M	30 24		
	AGRA	ENZ	eP	05 26 42	1650	Slight
		E	PPP	27 10		
			i?	28 05		
		NZ	Lq/iS	29 28		
		E	i?	29 34		
		EN	Lr/SSS	30 16		
		ENZ	M	31 28		Per. ≈14 secs Amp. ≈15 mm
	DEHRA DUN	NE	e	05 26 53		Slight, phases not clear
			i	29 40		
	HYDERABAD	EN	iP	05 26 59	2060	Slight, First movement East and North
			iS	30 24		
		E	Lq	30 38		
			SS	31 13		
		N	Lr	31 51		
		E	Lr	32 20		
			M	33 26		Per. ≈15 secs μ ≈ 4
		N	M	33 32		Per. ≈12 secs μ ≈ 5
	MADRAS	E	eP	05 27 13	2250	Slight
			PP	27 33		
			PPP	27 43		
			eS	30 56		
			Lq	31 05		
			Lr	32 09		
			M	33 50		
	BOMBAY	NE	P	05 27 53	2520	Slight
		N	PP	28 28		
		E	e	28 31		
		NE	eS	31 58		
		N	e	32 15		
			e	33 07		
28	BOMBAY	E	e	06 05 43		Feeble
28	SHILLONG	Z	iP	08 43 05		Slight
28	Epc: 30½°N, 85°E. Southern Tibet - H = 10h 46m 27s G.M.T. (U.S.C.G.S) 31°N, 85°E. - H = 10h 46m 25s G.M.T (Shillong) Mag: 5½ - 6¼ (Shillong)					
	CHATRA	E	iP	10 47 48	1000	Moderate
			iS	49 30		
	TOCKLAI	E	eP	10 47 55	810	Slight
			iS	49 19		
			i	50 47		
			i	51 31		
	DEHRA DUN	NE	eP	10 47 57		Moderate, phases not clear
		N	e	48 10		
			e	49 30		
			i	49 42		
			e	49 52		
			e	49 55		
			e	50 04		
			M	50 41		
	AGRA	ENZ	iP	10 48 11		Great, compression Ground motion South and West. Other phases lost due to large amplitude.

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October 1958

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s	Δ km	REMARKS
28 Contd.	BOKARO	NE	iP	10	48	12	810	Great
		E	PPP		48	23		
			Lq		49	29		
			iS		49	36		
			SSS		50	01		
			M		50	31		Per. ≈ 7 secs Μ ≈ 180
	SHILLONG	ZNE	iP	10	48	29	950	Moderate.
		N	iS		50	08		Rarefaction
			SS		50	19		
			SSS		50	38		
			M		51	15		
	CALCUTTA	E	iP	10	48	36	980	Great. First
			iS		50	17		movement East
	HYDERABAD	EN	iP	10	49	49	1440	Great. First
		E	PP		50	08		movement East
		EN	iS		52	16		and North.
		E	SS		52	23		
		N	Lr		52	53		
		E	M		53	26		Per. ≈ 15 secs Μ ≈ 232
		N	M		54	02		Per. ≈ 12 secs Μn ≈ 118
	VIZIANAGRAM	NE	eP	10	49	50		Moderate
		N	i		53	08		
			i		53	28		
			i		54	24		
			i		56	03		
	BOMBAY	NE	eP	10	50	10	1720	Moderate
			i		50	12		
		N	PPP		50	27		
			e		50	43		
		NE	Lq		52	58		
		N	eSζ		53	03		
		E	iSζ					
		E	SSζ		53	11		
		N	SS		53	18		
		NE	SSS		53	29		
		N	Lr		53	43		
		E	Lr		53	54		
			M		56	15		Per. ≈ 9 secs Μ ≈ 157
		N	M		56	21		Per. ≈ 10 secs Μ ≈ 210
	MADRAS	E	iP	10	50	39	2010	Moderate. First
			PP		50	55		movement East
			i		53	53		
			iS		53	59		
			Lq		54	01		
			Lr		54	49		
			M		56	28		
	PORT BLAIR	E	iP	10	51	11	2340	Great
			PP		51	34		
			iS		55	03		
			M		57	56		
	KODAIKANAL	E	iP	10	51	24	2450	Moderate.
			PP		51	54		Initial ground
			S		55	24		movement West.
			Lq		55	51		
			SS		56	42		
			SSS		57	00		
			Lr		57	27		
			M		59	15		Amp. ≈ 19.2
	COLOMBO	E	P	10	51	50		
			S		56	05		
			L		59	20		
			M	11	01	30		Amp. ≈ 6.3
28	DEHRA DUN	NE	e	14	04	13		Feeble
			i		05	38		
	AGRA	ENZ	eP	14	04	23		Feeble
	SHILLONG	Z	eP	14	04	39		Slight, distant
	CALCUTTA	E	i	14	07	21		Slight
			i		09	03		
	BOMBAY	NE	e	14	10	22		Feeble
			e		10	51		
28	SHILLONG	Z	iP	14	11	09		Slight, distant compression
	DEHRA DUN	NE	e	14	12	24		Tremor

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s	Δ km	REMARKS
28	SHILLONG	Z	iP	15	08	00		Slight, distant compression
28	SHILLONG	Z	e	17	33	18		Slight, very distant
28	SHILLONG	Z	iP	18	28	53		Slight, distant compression
28	SHILLONG	Z	iP	19	20	09		Slight, distant compression
29	SHILLONG	Z	iP	00	01	15		Slight, distant compression
29	SHILLONG	Z	iP	01	04	09		Slight, distant
29	CHATRA	Z	i	02	36	01		Slight, distant
29	SHILLONG	Z	i	02	40	01		Feeble, distant
29	SHILLONG	Z	i	02	47	39		Feeble, distant
29	SHILLONG	Z	i	03	58	34		Feeble, distant
29	SHILLONG	Z	iP	06	18	44		Slight, distant compression
	CHATRA	Z	i	06	18	57		Feeble, near
29	Epc: 51½°N, 179½°E. Andreanof Islands, Aleutian Islands Islands. - H ≈ 07h 44m 10s G.M.T. (U.S.C.G.S) 49°N, 178°W. - H ≈ 07h 44m 05s G.M.T. (Shillong)							
	TOCKLAI	E	e	07	55	06		Slight
	SHILLONG	ZNE	eP	07	55	18	7780	Moderate
			PcP		55	43		
			PP		57	53		
			PPP		59	37		
		NE	iS	08	04	28		
			PS		04	53		
			PPS		05	11		
			SKS		05	44		
			SS		09	04		
			SSS		12	10		
			M		21	30		Per. ≈ 15 secs Μ ≈ 11
	CHATRA	EZ	iP	07	55	30	8180	Slight
		WE	iS	08	05	00		
	DEHRA DUN	NE	eP	07	55	45	8130	Moderate
		N	PP		58	30		
			PPP	08	00	17		
			iS		05	14		
			PS		06	00		
			SSS		12	14		
			Lq		14	07		
			Lr		17	41		
			M		23	28		
	BOKARO	NE	iP	07	55	47	8420	Moderate
		N	PP		58	34		
			eS	08	05	34		
			M		25	08		Per. ≈ 30 secs Μ ≈ 50
	AGRA	ENZ	iP	07	55	58	8400	Great. Compression
			PcP		56	14		Ground motion
		Z	i?		56	34		West
			i?		57	42		
		ENZ	PP		58	51		
		EN	PPP	08	00	31		
		Z	i?		01	51		
			e		05	04		
		ENZ	iS		05	39		
			SKS		05	54		
			PS		06	14		
		NZ	PPS		06	50		
		ENZ	SS		11	06		
		EN	SSS		14	14		
		ENZ	Lq		17	05		
		N	Lr		20	15		
		ENZ	M		23	52		Per. ≈ 20 secs Μ ≈ 96
	PORT BLAIR	E	eP	07	56	19	8560	Moderate
			PcP		56	35		
			eS	08	06	08		
	HYDERABAD	EN	iP	07	56	40	9170	Moderate,
		N	PP		59	53		ground motion
		EN	iS	08	06	57		West and south
		E	PS		07	47		
			PPS		08	22		
			SS		12	45		
			SSS		16	02		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				October 1958				
29 Contd	HYDERABAD Contd.	E	Lr	08	22	08		
			M		29	50		Per. ≈17 secs ⊔ ≈26
		N	M		30	13		Per. ≈18 secs ⊔ ≈23
	BOMBAY	NE	eP	07	56	51	9510	Moderate
		N	e		57	02		
		NE	PP	08	00	12		
		N	PPP		02	03		
		NE	SKKS?		07	12		
			eS		07	23		
			PS		08	15		
		E	PPS		09	27		
		N	PPS		09	39		
			SS		13	00		
		NE	SSS		15	40		
		E	M		36	09		Per. ≈23 secs ⊔ ≈ 9
		N	M		37	38		Per. ≈20 secs ⊔ ≈33
	MADRAS	E	eP	07	56	54	9490	Moderate
			PP	08	00	21		
			SKS		07	09		
			eS		07	25		
			PS		08	29		
			PPS		09	05		
			SS		13	21		
			Lq		21	05		
			Lr		25	04		
	KODAIKANAL	E	eP?	07	57	12	9610	Distant. Phases
			S?	08	07	48		not clear
			M		32	27		Per. ≈21 secs ⊔ ≈27
	COLOMBO	E	P	08	06	--		Trece over-lapping
			L		38	20		
			M		45	32		Amp. ≈1.2 mm
29	SHILLONG	Z	iP	08	06	26		Slight, distant Compression
29	SHILLONG	Z	iP	08	17	25		Slight, distant Compression
	CHATRA	Z	i	08	17	37		Feeble, distant
29	SHILLONG	Z	iP	08	19	40		Slight, distant Compression
29	CHATRA	Z	iP	08	38	35	700	Slight
			iS		39	48		
29	SHILLONG	Z	eP	10	28	27	220	Slight
			Sg		28	57		
29	SHILLONG	Z	iP	14	05	43		Slight, distant Compression
	CHATRA	Z	i	14	06	23		Feeble, near
29	SHILLONG	Z	eP	14	27	09		Slight, distant
29	SHILLONG	Z	eP	15	19	21	130	Slight
			Sg		19	36		
29	CHATRA	Z	i	19	36	48		Feeble, distant
29	SHILLONG	Z	iP	20	36	36		Slight, distant Compression
29	CHATRA	Z	iP	22	30	30	1240	Slight
		E	iS		32	37		
29	SHILLONG	Z	eP	22	31	21		Slight, very distant
29	SHILLONG	Z	eP	23	58	51		Slight, distant
30	SHILLONG	Z	eP	00	01	34	130	Slight
			Sg		01	49		
30	SHILLONG	Z	iP	03	55	38		Slight, distant Compression
30	CHATRA	Z	i	08	42	21		Feeble, distant
30	MADRAS	E	eP	09	50	43	280	Feeble, tremor
			eS		51	14		Tremor felt
			M		51	23		at Banglore.
30 Contd.	KODAIKANAL	E	e?	09	51	17		Tremor
	BOMBAY	E	e	09	53	41		Very slight
			e		54	13		and near
30	SHILLONG	Z	iP	11	08	33		Slight, distant Compression
30	DEHRA DUN	NE	e	13	33	15		Feeble, phases
			i		33	34		not clear
	AGRA	ENZ	eP	13	33	34		Slight
	CHATRA	Z	iP	13	34	32	1220	Slight
		E	iS		36	37		
	SHILLONG	Z	eP	13	35	27		Slight, distant
	BOMBAY	NE	e	13	39	16		Feeble
30	CHATRA	Z	i	14	12	34		Feeble, distant
	SHILLONG	Z	iP	14	13	21		Slight, distant Compression
30	SHILLONG	Z	e	18	24	24		Slight, distant
30	SHILLONG	Z	iP	18	29	40		Slight, distant Compression
30	SHILLONG	Z	eP	18	57	17		Slight distant
30	SHILLONG	Z	iP	19	04	07		Slight, distant Compression
	CHATRA	Z	i	19	05	07		Feeble, distant
	CALCUTTA	E	e	19	09	32		Slight, distant
			e		11	43		
	AGRA	Z	iP	19	14	24	8020	Dilatation,
		E	eP		14	24		slight
		EN	iS		23	46		intensity
30	CHATRA	Z	i	21	38	25		Feeble, distant
30	CHATRA	Z	e	22	19	31		Feeble, distant
30	SHILLONG	Z	eP	23	18	46		Slight, near
31	CHATRA	Z	i	05	17	21		Feeble, distant
31	PORT BLAIR	E	iP/P*	08	53	14	140	Slight
			iSg		53	32		
31	SHILLONG	Z	eP	16	33	49		Slight
31	CALCUTTA	E	eP	19	12	33	5370	Slight
			eS		21	49		
			SSS		27	54		
	SHILLONG	Z	iP	19	13	03		Slight, distant Compression
	CHATRA	Z	i	19	13	32		Slight, distant
	BOKARO	N	i	19	21	53		Probably S.
	DEHRA DUN	NE	e	19	23	57		Feeble
	BOMBAY	N	e	19	24	27		Surface waves
31	SHILLONG	Z	iP	23	45	12		Slight, distant Rarefaction
	CHATRA	Z	iP	23	45	47	3450	Slight
		E	iS		50	52		
	CALCUTTA	E	e	23	50	37		Slight, distant
			i		54	03		
	BOMBAY	E	e	23	54	--		Surface waves

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Earthquake Reports
(Non Instrumental Reports)

The following is the list of Earthquakes that were reported by Voluntary Observers from different stations during the month of October 1958.

Place at which felt	Date GMT	Time at which felt G. M. T. h. m.	Duration in secs.	Intensity in R.F. scale	No. of shocks	Remarks
NORTH LAKHIMPUR	10	09 16	2	IV	One	
GAUHATI Airport	10	09 18	10	V	One	East to West
KUMBHIGRAM (Assam)	19	14 09	2	II	One	
Hindustan Airport BANGLORE	30	09 50	2	II	One	

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MICROSEISMIC TABULATION

Station: SHILLONG Component: E.W October 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
02	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.12	5.0
04	00	-	-	-
	06	1	0.18	4.5
	12	-	-	-
	18	1	0.18	4.8
05	00	1	0.18	5.0
	06	1	0.24	4.7
	12	1	0.18	5.0
	18	1	0.24	4.5
06	00	1	0.18	4.2
	06	1	0.20	5.0
	12	1	0.24	4.2
	18	1	0.30	4.5
07	00	1	0.24	4.5
	06	1	0.30	4.2
	12	1	0.24	4.5
	18	1	0.30	5.0
08	00	1	0.30	4.5
	06	1	0.24	4.5
	12	-	-	-
	18	1	0.20	4.5
09	00	1	0.24	5.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
10	00	1	0.12	5.0
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	1	0.18	4.5
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	1	0.18	4.4
	09	-	-	-
	10	1	0.20	4.5
	11	1	0.15	4.5
	12	-	-	-
	13	1	0.18	5.0
	14	1	0.18	5.0
	15	1	0.14	4.5
	16	1	0.17	5.0
	17	1	0.22	5.0
	18	1	0.18	4.5
	19	-	-	-
	20	-	-	-
	21	1	0.17	5.0
	22	1	0.24	4.5
	23	-	-	-
11	00	-	-	-
	01	1	0.24	5.0
	02	-	-	-
	03	-	-	-
	04	1	0.14	5.0
	05	-	-	-
	06	-	0.18	4.5
	07	1	0.18	4.5
	08	1	0.18	5.0
	09	1	0.15	4.5
	10	-	-	-
	11	1	0.18	5.0
	12	-	-	-
	13	1	0.12	5.0
	14	-	-	-
	15	-	-	-
	16	-	-	-

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
11 Contd.	17	-	-	-
	18	1	0.20	4.5
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
12	00	1	0.18	5.0
	01	1	0.18	4.5
	02	-	-	-
	03	-	-	-
	04	1	0.15	5.0
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	1	0.16	5.0
	18	1	0.18	5.0
	19	-	-	-
	20	1	0.12	5.0
	21	-	-	-
	22	-	-	-
	23	-	-	-
13	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
14	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	1	0.24	4.2
	06	-	-	-
	12	1	0.30	5.0
	18	1	0.24	5.2
16	00	1	0.18	5.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
17	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
18	00	1	0.24	4.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
19	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.30	5.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
20	00	1	0.24	5.0
	06	1	0.30	5.0
	12	-	-	-
	18	1	0.18	5.0
21	00	1	0.30	5.0
	06	-	-	-
	12	1	0.18	5.0
	18	1	0.18	5.0
22	00	1	0.30	3.5
	06	1	0.24	3.5
	12	1	0.30	4.0
	18	1	0.30	3.7
23	00	-	-	-
	03	1	0.60	3.5
	06	1	0.60	4.0
	09	1	0.48	4.5
	12	1	0.48	4.0
	15	-	-	-
	18	3	0.48	4.0
	21	3	0.40	5.5
24	00	1	0.42	5.5
	03	1	0.30	5.5
	06	1	0.60	5.5
	09	1	0.42	5.0
	12	1	0.44	5.0
	15	1	0.30	5.5
	18	1	0.36	5.2
	21	1	0.36	5.2
25	00	1	0.30	5.0
	06	1	0.30	5.0
	12	1	0.36	5.0
	18	1	0.30	4.8
26	00	1	0.30	4.5
	06	-	-	-
	12	1	0.54	5.5
	18	1	0.54	5.5
27	00	1	0.48	5.0
	06	1	0.30	5.0
	12	3	0.42	5.0
	18	1	0.30	5.0
28	00	1	0.50	5.0
	03	1	0.72	5.0
	06	-	-	-
	09	1	0.72	5.0
	12	-	-	-
	15	1	0.72	5.0
	18	1	0.72	5.0
	21	1	0.50	5.0
29	00	1	0.70	5.0
	03	1	0.72	5.0
	06	1	0.72	5.0
	09	-	-	-
	12	1	0.70	5.0
	15	1	0.72	5.0
	18	1	0.74	5.0
	21	1	0.74	5.0
30	00	1	0.72	5.0
	06	1	0.70	5.0
	12	-	-	-
	18	1	0.30	5.5
31	00	1	0.42	5.5
	06	1	0.32	5.5
	12	1	0.42	6.0
	18	1	0.42	6.5

Station: PORT BLAIR Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	1	0.35	3.0
	06	-	-	-
	12	3	0.35	3.0
	18	3	0.35	3.0
02	00	3	0.33	3.0
	06	3	0.35	3.0
			0.45	3.0

Station: PORT BLAIR Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
02 Contd.	12	3	0.35	3.0
			0.45	3.0
	18	3	0.45	3.0
			0.48	3.0
03	00	3	0.40	3.0
			0.45	3.0
	06	3	0.10	2.0
	12	3	0.10	2.0
	18	3	0.10	2.0
04	00	3	0.10	2.0
	06	3	0.40	2.0
	12	3	0.75	2.5
	18	3	0.95	2.5
05	00	-	-	-
	03	2	1.12	2.5
	06	2	1.50	2.5
	09	2	1.60	2.5
	12	2	1.75	2.5
	15	2	1.75	2.5
	18	2	1.90	2.5
	21	2	2.00	2.5
06	00	2	2.30	2.5
	03	2	2.20	2.5
	06	2	2.20	2.5
	09	2	2.10	2.5
	12	2	2.10	2.5
	15	2	2.00	2.5
	18	2	1.90	2.5
	21	2	1.70	2.5
07	00	-	-	-
	03	2	1.50	2.5
	06	2	1.40	2.5
	09	-	-	-
	12	2	1.70	2.5
	15	-	-	-
	18	2	1.70	2.5
	21	-	-	-
08	00	3	1.50	5.1
	06	3	1.50	5.1
	12	3	1.80	5.1
	18	3	1.90	5.1
09	00	3	1.90	5.1
	06	3	2.00	5.0
	12	3	2.20	5.0
	18	3	2.00	5.0
10	00	1	1.50	5.1
	01	1	1.50	5.0
	02	-	-	-
	03	1	2.75	5.0
	04	1	2.75	5.0
	05	1	2.20	5.0
	06	1	1.50	5.0
	07	1	1.70	5.0
			0.90	5.0
	08	1	1.70	-
			0.95	5.0
	09	1	1.50	-
			0.95	5.0
	10	1	1.40	5.0
	11	1	1.40	5.0
	12	1	1.40	5.0
	13	1	1.30	5.0
	14	1	1.20	5.0
	15	1	1.20	5.0
	16	1	1.20	5.0
	17	1	1.30	5.0
	18	1	1.20	5.0
	19	1	1.20	5.0
	20	1	1.10	5.0
	21	1	1.10	5.0
	22	1	1.10	5.0
	23	1	1.00	5.0
11	00	1	0.95	5.0
	01	1	0.95	5.0
	02	1	1.00	5.0
	03	-	-	-
	04	-	-	-
	05	-	-	-

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: PORT BLAIR Compt: E.W.			October 1958	
11	06	3	1.00	5.0
Cont	07	3	0.10	2.0
Contd.	08	3	0.10	2.0
	09	3	0.10	2.0
	10	2	0.10	2.0
	11	2	0.10	2.0
	12	2	1.00	2.0
	13	2	0.10	2.0
	14	2	0.10	2.0
	15	2	0.20	2.0
	16	2	0.20	2.0
	17	2	0.20	2.0
	18	2	0.20	3.0
	19	2	0.30	2.0
	20	2	0.40	2.0
	21	2	0.40	2.0
	22	2	0.40	2.0
	23	2	0.40	2.0
12	00	2	0.40	2.0
	01	2	0.40	5.0
	02	-	-	-
	03	2	0.50	2.0
	04	2	0.40	2.0
	05	2	0.50	2.0
	06	2	0.40	2.0
	07	2	0.40	2.0
	08	2	0.40	2.0
	09	2	0.40	2.0
	10	2	0.40	2.0
	11	2	0.40	2.0
	12	2	0.40	2.0
	13	2	0.40	2.0
	14	2	0.40	2.0
	15	2	0.40	2.0
	16	2	0.40	2.0
	17	2	0.40	2.0
	18	2	0.40	2.0
	19	2	0.40	2.0
	20	2	0.40	2.0
	21	2	0.40	2.0
	22	2	0.40	2.0
	23	-	-	-
13	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	2	0.40	2.0
	04	2	0.40	2.0
	05	2	0.40	2.0
	06	2	0.40	2.0
	07	2	0.40	2.0
	08	2	0.40	2.0
	09	2	0.40	2.0
	10	2	0.40	2.0
	11	2	0.50	2.0
	12	2	0.50	2.0
	13	2	0.50	2.0
	14	2	0.50	2.0
	15	2	0.50	2.0
	16	2	0.50	2.0
	17	2	0.60	2.0
	18	2	0.60	2.0
	19	2	0.60	2.0
	20	2	0.60	2.0
	21	2	0.60	2.0
	22	2	0.60	2.0
	23	2	0.50	2.0
14	00	2	0.60	2.0
	06	2	0.40	2.0
	12	-	-	-
	18	-	-	-
15	00	-	-	-
	06	3	0.40	2.0
	12	3	0.40	2.0
	18	3	0.40	2.0
16	00	2	0.50	2.0
	06	2	1.00	2.2
	12	-	-	-
	18	2	1.00	2.2
17	00	2	1.10	2.2
	06	2	1.20	2.1
	12	3	1.20	3.8
	18	3	1.20	3.8
18	00	3	1.20	3.8
	06	1	1.10	3.8
	12	1	1.40	3.9
	18	1	1.40	3.9
19	00	1	1.50	3.9
	06	1	1.20	3.8
	12	1	1.00	3.8
	18	1	1.00	3.9
20	00	1	1.00	3.9
	06	1	1.00	3.9
	12	1	0.80	3.8
	18	1	0.70	3.8
21	00	-	-	-
	06	3	1.00	2.0
	12	1	1.00	3.0
	18	1	1.00	3.8
22	00	-	-	-
	06	1	1.40	3.8
	12	1	1.40	3.8
	18	-	-	-
23	00	-	-	-
	06	1	1.80	3.8
	12	1	1.70	3.8
	18	-	-	-
24	00	-	-	-
	06	1	1.40	3.8
	12	1	1.60	3.8
	18	1	1.50	3.8
25	00	1	1.80	3.8
	06	1	1.20	3.8
	12	1	1.10	3.8
	18	1	1.10	3.8
26	00	1	1.10	3.9
	06	1	1.00	4.0
	12	1	1.00	4.0
	18	1	1.00	4.0
			0.50	4.0
27	00	-	-	-
	06	1	0.70	4.0
	12	1	0.70	4.0
	18	3	0.10	2.0
28	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
29	00	-	-	-
	06	3	0.90	7.8
			0.10	2.0
	12	-	-	-
	18	-	-	-
30	00	-	-	-
	06	3	0.70	7.8
			0.10	2.0
	12	3	-	-
	18	3	0.70	7.8
			0.10	2.0
31	00	3	0.50	7.8
			0.10	2.0
	06	3	0.50	7.8
			0.10	2.0
	12	3	0.70	7.8
			0.20	2.0
	18	-	-	-
Station: MADRAS Compt: E.W.				
01	00	3	0.3	2.6
	03	3	0.4	2.5
	06	3	0.4	2.9
	12	3	0.4	3.1
	18	3	0.4	3.1
02	00	3	0.5	3.8
	03	3	0.4	3.5
	06	3	0.4	3.8
02	06	3	0.4	3.8
Contd.	12	3	0.3	3.5
	18	3	0.3	3.7
03	00	3	0.3	3.6
	03	3	0.3	3.5
	06	3	0.3	3.6
	12	3	0.3	3.6
	18	3	0.3	3.8
04	00	3	0.3	3.7
	03	3	0.3	3.8
	06	3	0.3	3.8
	12	3	0.3	3.8
	18	3	0.3	3.7
05	00	3	0.3	3.5
	03	3	0.3	3.7
	06	3	0.4	4.0
	12	3	0.5	4.1
	18	3	0.6	4.1
06	00	3	0.7	4.3
	03	1	0.9	4.1
	06	1	0.9	4.0
	12	1	1.0	4.1
	18	1	1.1	4.0
07	00	1	1.0	3.8
	03	1	1.3	3.4
	06	1	1.5	3.6
	12	1	1.9	3.6
	18	1	1.7	3.5
08	00	1	1.6	3.3
	03	1	1.5	3.4
	06	1	1.7	3.5
	12	1	1.4	3.2
	18	1	1.1	3.1
09	00	1	1.0	3.2
	03	1	1.1	3.1
	06	1	1.0	2.2
	12	1	0.9	3.5
	18	1	0.9	3.6
10	00	1	0.9	4.0
	03	1	0.9	4.1
	06	1	0 9	4.0
	12	1	1.0	4.4
	18	1	1.1	4.4
11	00	1	1.1	4.4
	03	1	1.2	4.4
	06	1	1.2	4.5
	12	1	1.1	4.5
	18	1	1.1	4.5
12	00	1	0.9	4.6
	03	1	1.2	4.5
	06	1	1.2	4.5
	12	1	1.0	4.5
	18	1	0.9	4.7
13	00	1	0.8	4.6
	03	-	-	-
	06	1	0.9	4.5
	12	1	0.8	4.6
	18	1	0.8	4.4
14	00	1	0.5	4.4
	03	1	0.6	4.4
	06	3	0.7	4.4
	12	3	0.7	4.5
		3	0.1	1.2
	18	3	0.5	4.5
		3	0.1	1.3
15	00	3	0.5	4.5
		3	0.1	2.1
	03	3	0.5	4.4
		3	0.2	2.0
	06	3	0.4	4.3
		3	0.2	2.0
	12	1	0.2	2.0
	18	1	0.3	2.0
16	00	1	0.3	2.2
16	03	1	0.4	2.4
Contd.	06	1	0.4	2.5
	12	1	1.2	2.8
	18	1	1.1	2.8
17	00	1	1.9	3.0
	03	1	1.5	3.0
	06	1	1.5	3.2
	12	1	1.1	3.0
	18	1	1.0	2.9
18	00	1	1.1	2.7
	03	1	1.2	2.8
	06	1	1.3	3.0
	12	1	1.3	2.9
	18	1	1.4	2.8
19	00	1	1.1	2.7
	03	1	1.1	2.8
	06	1	1.1	2.7
	12	1	1.2	2.6
	18	1	1.2	2.8
20	00	1	1.0	2.7
	03	1	0.8	2.6
	06	1	0.7	2.6
	12	1	0.7	2.6
	18	1	0.5	2.6
21	00	1	0.4	2.6
	03	1	0.3	2.5
	06	3	0.3	2.5
	12	3	0.3	2.4
	18	3	0.3	2.4
22	00	3	0.2	2.6
	03	3	0.3	2.6
	06	3	0.2	2.4
	12	3	0.2	2.4
	18	3	0.3	2.6
23	00	3	0.2	2.6
	03	3	0.2	2.5
	06	3	0.2	2.6
	12	3	0.2	2.5
	18	3	0.2	2.6
24	00	3	0.3	3.8
	03	-	-	-
	06	-	-	-
	12	3	0.3	3.9
	18	3	0.3	4.1
25	00	3	0.3	3.8
	03	3	0.3	3.9
	06	3	0.4	3.9
	12	3	0.4	4.9
	18	3	0.4	4.0
26	00	3	0.3	3.9
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
27	00	-	-	-
	03	3	0.3	4.0
	06	3	0.3	4.1
	12	3	0.3	4.2
	18	3	0.3	4.1
28	00	3	0.3	4.0
	03	3	0.3	4.1
	06	-	-	-
	12	-	-	-
	18	3	0.4	4.5
29	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	3	0.3	2.4
30	00	3	0.4	2.6
	03	3	0.4	2.8
	06	-	-	-
	12	3	0.4	2.6
	18	3	0.3	2.6

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: MADRAS		Compt.:	E.W.	
31	00	3	0.3	2.4
	03	3	0.4	2.7
	06	3	0.4	2.7
	12	1	0.4	2.5
	18	1	0.5	2.6
Station: BOMBAY		Compt:	E.W.	
01	00	(1)	0.7	2.7
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	-	-	-
	21	-	-	-
02	00	-	-	-
	03	(1)	0.6	3.1
	06	(1)	0.5	3.2
	09	(1)	0.5	3.1
	12	(1)	0.5	3.0
	15	(1)	0.7	2.9
	18	(1)	0.6	3.1
	21	(1)	0.7	3.2
03	00	1	0.7	3.2
	03	1	0.7	3.3
	06	1	0.7	3.6
	09	1	0.7	3.5
	12	-	-	-
	15	1	0.6	3.2
	18	1	0.5	3.2
	21	1	0.6	3.5
04	00	1	0.7	3.4
	03	1	0.7	3.7
	06	1	0.7	3.7
	09	1	0.6	3.8
	12	1	0.7	3.8
	15	1	0.7	3.6
	18	1	0.6	3.8
	21	-	-	-
05	00	-	-	-
	03	1	0.7	3.9
	06	1	0.9	4.1
	09	1	0.8	4.1
	12	1	0.9	4.1
	15	1	1.0	4.0
	18	1	1.2	4.3
	21	1	1.2	4.3
06	00	1	1.3	4.2
	03	1	1.2	4.2
	06	1	1.3	4.3
	09	1	1.3	4.2
	12	1	1.3	4.0
	15	1	2.1	2.9
	18	1	1.1	3.3
	21	1	1.1	3.3
07	00	1	1.2	3.0
	03	1	1.3	2.9
	06	-	-	-
	09	1	1.4	3.9
	12	1	1.5	3.7
	15	1	1.4	4.0
	18	1	1.2	4.0
	21	1	1.2	4.2
08	00	1	1.5	4.0
	03	1	1.4	4.0
	06	1	1.5	4.1
	09	1	1.3	4.1
	12	1	1.4	4.0
	15	1	1.1	4.2
	18	1	1.2	4.1
	21	1	1.3	4.1
09	00	1	1.2	3.2
	03	1	2.0	2.9
	06	1	2.4	2.7
	09	1	2.1	2.9
	12	1	2.4	2.7
	15	1	1.9	3.1
	18	1	2.1	3.1
	21	1	1.8	3.5

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY		Compt.:	E.W.	
10	00	(1)	1.7	3.5
	01	1	1.9	3.3
	02	1	1.9	3.5
	03	1	1.7	3.2
	04	1	1.5	3.5
	05	1	1.7	3.4
	06	1	1.5	3.5
	07	1	1.6	3.5
	08	1	1.7	3.5
	09	1	1.7	3.5
	10	1	1.8	3.5
	11	1	1.7	3.5
	12	1	2.5	3.8
	13	1	1.9	3.7
	14	1	2.0	3.8
	15	1	2.2	3.6
	16	1	2.3	3.7
	17	1	2.9	3.6
	18	1	2.6	3.5
	19	1	2.3	4.2
	20	1	2.7	3.7
	21	1	2.9	4.0
	22	1	2.9	3.9
	23	1	2.8	3.8
11	00	(1)	2.4	3.8
	01	1	2.5	3.7
	02	1	2.7	3.8
	03	1	2.5	3.9
	04	1	2.7	4.0
	05	1	2.9	3.9
	06	1	2.5	3.8
	07	1	1.6	3.5
	08	1	2.5	3.9
	09	1	2.3	3.8
	10	1	2.8	4.1
	11	1	2.9	3.8
	12	1	2.3	4.0
	13	1	2.3	3.8
	14	1	2.4	3.8
	15	1	2.1	4.0
	16	1	2.5	4.0
	17	1	2.4	4.2
	18	1	2.6	4.1
	19	1	2.4	4.0
	20	1	2.6	3.8
	21	1	2.7	4.1
	22	1	2.3	4.2
	23	1	2.3	4.2
12	00	(1)	2.4	4.5
	01	1	2.3	4.2
	02	1	2.5	4.3
	03	1	2.2	4.4
	04	1	2.1	4.5
	05	1	2.3	4.2
	06	1	2.2	4.2
	07	1	2.6	4.5
	08	1	2.2	4.2
	09	1	2.0	4.4
	10	1	1.9	4.3
	11	1	2.1	4.3
	12	1	1.7	4.2
	13	1	1.8	4.5
	14	1	1.7	4.3
	15	1	1.7	4.2
	16	1	1.8	4.3
	17	1	2.1	4.2
	18	1	1.8	4.3
	19	1	2.1	4.2
	20	1	1.9	4.2
	21	1	2.1	4.1
	22	1	2.1	4.5
	23	1	1.7	4.2
13	00	(1)	1.9	4.3
	01	1	1.6	4.1
	02	1	1.8	4.5
	03	1	1.9	4.6
	04	1	1.9	4.7
	05	1	1.9	4.7
	06	1	1.7	4.5
	07	1	1.9	4.7
	08	1	1.7	4.3
	09	1	1.7	4.7
	10	1	1.9	4.7
	11	1	1.7	4.3
	12	1	1.7	4.5

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
October 1958				
13	13	1	1.4	4.4
Contd.	14	1	1.3	4.2
	15	1	1.6	4.3
	16	1	1.5	4.3
	17	1	1.4	4.4
	18	1	1.5	4.1
	19	1	1.5	4.1
	20	1	1.9	4.4
	21	1	1.8	4.0
	22	1	1.5	4.2
	23	1	1.9	4.5
14	00	1	1.8	4.3
	03	1	1.9	4.5
	06	1	1.7	4.4
	09	1	1.9	4.5
	12	1	1.5	4.4
	15	1	1.2	4.3
	18	1	1.1	4.1
	21	1	1.7	4.1
15	00	1	1.5	4.7
	03	1	1.4	4.5
	06	1	1.5	4.7
	09	1	1.3	4.2
	12	1	1.3	4.1
	15	1	1.1	4.2
	18	1	0.9	3.9
	21	1	1.3	4.2
16	00	1	1.3	4.2
	03	1	1.1	4.2
	06	1	1.0	4.2
	09	1	1.1	4.1
	12	1	1.0	3.9
	15	1	1.1	3.7
	18	1	1.1	3.9
	21	1	1.0	3.9
17	00	1	1.3	3.7
	03	1	1.2	3.7
	06	1	1.3	3.9
	09	1	1.1	4.0
	12	1	1.3	3.7
	15	1	1.1	3.9
	18	1	1.1	4.0
	21	1	1.2	3.9
18	00	1	1.1	3.6
	03	1	1.1	3.7
	06	1	1.0	3.7
	09	1	0.9	3.7
	12	1	0.9	3.9
	15	1	1.1	3.7
	18	1	0.9	3.4
	21	1	1.0	3.5
19	00	1	0.9	3.7
	03	1	0.9	3.6
	06	1	0.9	3.2
	09	1	0.7	3.4
	12	1	0.9	3.1
	15	1	0.9	3.0
	18	1	0.7	3.2
	21	1	0.8	3.0
20	00	2	0.7	3.1
	06	2	0.7	2.9
	12	2	0.8	3.0
	18	2	0.7	2.9
21	00	2	0.8	2.5
	06	2	0.7	2.9
	12	2	0.7	2.8
	18	2	0.7	2.9
22	00	2	0.8	2.8
	06	2	0.7	3.3
	12	2	0.7	3.3
	18	2	0.7	3.0
23	00	2	0.5	2.9
	06	2	0.7	3.4
	12	2	0.7	3.2
	18	2	0.5	3.0
24	00	2	0.5	3.1
	06	2	0.6	3.0

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY		Compt:	E.W.	
24	12	2	0.6	3.1
Contd.	18	-	-	-
25 to 28	No records			
29	00	-	-	-
	06	2	0.7	5.4
	12	2	0.6	5.3
	18	2	0.6	5.2
30	00	2	0.7	4.9
	06	2	0.7	5.1
	12	-	-	-
	18	-	-	-
31	00	-	-	-
	06	-	-	-
	12	2	0.7	4.5
	18	2	0.7	4.7

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Station: **HOWRAH** Component: Vertical October 1958

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	-	0.8	2.9
	06	-	2.1	3.2
	12	-	1.9	3.3
	18	-	1.5	3.2
02	00	-	1.3	3.1
	06	-	1.7	3.0
	12	-	1.1	2.9
	18	-	1.3	3.2
03	00	-	1.0	2.8
	06	-	-	-
	12	-	-	-
	18	-	-	-
04 to 05	No records.			
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.0	3.7
07	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.3	3.3
08	00	-	2.1	3.4
	06	-	-	-
	12	-	-	-
	18	-	1.2	3.5
09	00	-	1.6	3.2
	06	-	-	-
	12	-	-	-
	18	-	1.1	3.6
10	19	-	1.0	4.0
	20	-	1.2	4.1
	21	-	1.0	3.9
	22	-	0.9	3.8
	23	-	1.0	4.0
11	19	-	1.1	4.4
	20	-	1.1	4.3
	21	-	1.3	4.2
	22	-	1.2	4.1
12	19	-	1.2	4.0
	20	-	1.2	3.9
	21	-	1.3	3.8
	22	-	1.4	4.0
	23	-	1.5	4.1
13	15	-	1.7	4.0
	17	-	1.7	3.9
	19	-	1.6	3.8
	20	-	1.3	3.2
	21	-	1.5	3.4
	22	-	1.7	3.6
	23	-	2.2	3.8
14	00	-	2.2	3.4
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	-	2.2	4.0
	05	-	-	-
	12	-	-	-
	18	-	-	-
16	No records			
17	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.7	2.6
18	00	-	0.9	3.0
	05	-	-	-
	12	-	-	-
	18	-	1.2	2.7
19	00	-	1.1	2.8
	06	-	-	-
	12	-	-	-
	18	-	1.1	2.8
20	00	-	-	-
	06	-	-	-
	12	-	1.4	3.8
	18	-	1.3	3.5
21	00	-	1.4	3.5
	06	-	-	-
	12	-	1.7	3.4
	18	-	1.5	3.2
22	03	-	-	-
	09	-	-	-
	15	-	-	-
	21	-	4.5	3.1
23	03	-	-	-
	09	-	-	-
	15	-	5.0	3.3
	21	-	-	-
24	00	(1)	2.1	3.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
25	No records.			
26	00	-	-	-
	06	-	2.0	2.8
	12	(3)	2.0	3.7
			1.4	2.8
	18	-	1.9	3.3
27	00	-	1.2	3.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
28	00	-	1.3	2.8
	06	-	2.9	3.0
	12	-	1.9	2.6
	18	-	-	-
29 to 31	No records.			

Component: E.W.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	-	1.6	2.8
	06	-	1.3	2.9
	12	-	1.0	2.9
	18	-	1.3	3.0
02	00	-	0.7	2.5
	06	-	1.4	2.7
	12	-	1.2	3.1
	18	-	1.7	3.2
03 to 05	No records			
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	(3)	1.9	4.3
			1.5	3.2
07	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.0	3.7
08	00	-	2.4	3.4
	06	-	-	-
	12	-	-	-
	18	-	2.9	4.2
09	00	-	1.8	3.5
	06	-	-	-
	12	-	-	-
	18	-	2.4	3.8
10	01	-	2.4	3.8
	02	-	2.0	3.7
	16	-	2.1	4.1
	17	-	2.9	4.3
	19	-	3.2	4.4
	20	-	2.8	4.2
	21	-	3.0	4.0
	22	-	3.2	4.1
	23	-	2.9	4.0
11	15	-	2.9	4.4
	17	-	2.9	4.5
	19	-	2.5	4.6
	20	-	2.8	4.5
	21	-	2.9	4.4
	22	-	3.1	4.6
	23	-	2.8	4.5
12	01	-	2.7	4.3
	02	-	2.4	4.5
	03	-	2.9	4.4
	07	-	2.8	4.5
	08	-	2.9	4.5
	09	-	2.7	4.4
	10	-	2.6	4.3
	13	-	2.0	4.2
	19	-	2.2	4.4
	20	-	2.3	4.5
	21	-	2.2	4.3
	22	-	2.1	4.2
	23	-	2.2	4.2
13	15	-	2.3	4.5
	15	-	1.9	4.3
	17	-	2.2	4.4
	19	-	2.1	4.4
	20	-	2.1	4.4
	21	-	2.4	4.5
	22	-	2.3	4.5
	23	-	2.4	4.6
14	00	-	3.2	4.4
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	-	2.5	4.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
16 to 20	No records			
21	00	-	2.0	3.7
	06	-	-	-
	12	-	-	-
	18	-	2.2	3.5
22	03	-	-	-
	09	-	-	-
	15	(1)	4.5	3.4
	21	(1)	4.0	3.1
23	03	-	-	-
	09	-	-	-
	12	-	5.3	3.3
	18	-	-	-
24	00	-	1.8	3.1
	05	-	-	-
	12	-	-	-
	18	-	2.4	4.8
25	No records			
26	00	-	-	-
	06	-	1.8	2.5
	12	-	-	-
	18	-	-	-
27	No records.			
28	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.0	5.1
29	00	-	1.8	4.9
	06	-	-	-
	12	-	-	-
	18	-	-	-

Component: N.S.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	-	1.9	2.9
	05	-	2.6	3.0
	12	-	2.3	2.9
	18	-	2.5	3.0

Station: **HOWRAH**

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
02	00	-	2.1	3.0
	06	-	2.2	2.9
	12	-	1.5	3.0
	18	-	1.4	3.0
03	00	-	1.3	2.6
	06	-	-	-
	12	-	-	-
	18	-	-	-
04	00	-	-	-
	06	-	-	-
	12	-	1.5	3.4
	18	-	1.0	4.1
05	00	-	1.2	4.0
	06	-	1.7	4.1
	12	-	1.5	4.1
	18	-	1.4	4.1
06	00	-	2.2	4.2
	06	-	1.3	4.2
	12	-	2.1	3.9
	18	-	1.9	4.3
07	00	-	1.5	3.9
	06	-	2.6	3.9
	12	-	2.7	3.7
	18	-	2.0	3.5
08	00	-	2.1	3.7
	06	-	2.5	3.7
	12	-	2.4	3.6
	18	(3)	2.1	4.1
			2.0	2.9
09	00	-	1.8	3.6
	06	-	3.0	3.5
	12	-	1.8	3.5
	18	-	2.4	3.8
10	01	-	3.2	4.1
	02	-	2.9	4.2
	03	-	2.3	4.1
	04	-	2.8	4.2
	05	-	2.7	4.3
	07	-	3.1	4.4
	08	-	3.2	4.4
	09	-	2.7	4.4
	10	-	2.7	4.3
	11	-	3.7	4.3
	12	-	-	-
	13	-	2.6	4.4
	14	-	3.4	4.5
	15	-	2.9	4.4
	16	-	2.9	4.5
	17	-	2.9	4.4
	19	-	3.1	4.4
	20	-	3.2	4.2
	21	-	3.3	4.4
	22	-	2.9	4.5
	23	-	2.8	4.4
11	01	-	2.7	4.4
	02	-	2.8	4.3
	03	-	2.7	4.3
	04	-	2.9	4.4
	05	-	2.9	4.3
	07	-	3.0	4.4
	08	-	3.1	4.4
	09	-	3.2	4.5
	10	-	2.9	4.5
	11	-	3.0	4.5
	13	-	3.0	4.4
	14	-	3.2	4.4
	15	-	3.3	4.5
	16	-	3.0	4.5
	17	-	3.1	4.5
	19	-	3.0	4.6
	20	-	3.1	4.6
	21	-	3.3	4.6
	22	-	3.3	4.6
	23	-	3.2	4.5
12	01	-	2.9	4.6
	02	-	2.8	4.5
	03	-	2.9	4.6
	04	-	3.0	4.6
	05	-	2.8	4.5

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Component: N.S. Station: HOWRAH October 1958

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
12	06	-	2.7	4.5
Contd.	08	-	2.6	4.6
	09	-	2.5	4.6
	10	-	2.8	4.6
	11	-	2.4	4.5
	13	-	2.5	4.4
	14	-	2.6	4.6
	15	-	2.8	4.5
	16	-	2.8	4.4
	17	-	2.2	4.3
	19	-	2.8	4.2
	20	-	2.0	4.5
	21	-	2.5	4.4
	22	-	2.8	4.5
	23	-	2.7	4.5
13	01	-	2.8	4.5
	02	-	2.9	4.6
	03	-	2.4	4.4
	04	-	2.5	4.6
	05	-	2.5	4.6
	07	-	2.6	4.6
	08	-	2.5	4.5
	09	-	2.4	4.4
	10	-	2.4	4.5
	11	-	2.5	4.4
	13	-	2.7	4.5
	14	-	2.5	4.4
	15	-	2.6	4.4
	16	-	2.9	4.6
	17	-	2.5	4.7
	19	-	2.7	4.7
	20	-	2.6	4.6
	21	-	2.7	4.7
	22	-	2.8	4.7
	23	-	2.9	4.8
14	00	-	2.2	4.8
	06	-	2.2	4.8
	12	-	2.1	4.4
	18	-	2.5	4.7
15	00	-	2.2	4.6
	06	-	1.7	4.3
	12	-	2.2	4.6
	18	-	2.2	4.3
16	00	-	2.0	4.5
	06	.	-	-
	12	-	-	-
	18	-	1.7	4.2
17	00	-	1.2	3.0
	06	-	-	-
	12	-	-	-
	18	-	1.5	3.4
18	00	(3)	1.7	4.2
			1.1	2.8
	06	-	1.6	3.7
	12	-	1.2	3.2
	18	(3)	1.7	3.6
			1.3	2.4
19	00	(3)	1.8	4.1
			1.1	2.8
	06	-	1.9	3.3
	12	-	2.1	3.9
	18	(3)	1.6	3.4
20	00	-	1.6	3.5
	06	-	2.4	3.1
	12	-	1.6	3.3
	18	(3)	1.7	3.6
			1.4	2.6
21	00	-	1.6	3.4
	06	-	1.8	3.2
	12	-	1.8	3.3
	18	(1)	1.9	3.2
22	03	-	-	-
	09	-	-	-
	15	1(1)	3.8	3.1
	21	-	5.9	3.3
23	00	-	-	-
	03	-	-	-
	09	-	-	-
	15	-	4.3	3.5
	21	-	-	-
24	00	-	2.2	3.1
	06	-	1.9	3.6
	12	-	2.3	4.5
	18	-	2.0	5.0
25	00	-	2.2	5.0
	06	-	2.4	5.1
	12	-	2.1	5.0
	18	-	1.6	4.5
26	00	-	1.9	4.7
	06	-	1.4	2.5
	12	-	1.4	4.8
	18	-	1.6	4.9
27	00	-	1.5	4.7
	06	-	1.7	4.7
	12	-	1.6	4.5
	18	-	1.8	4.5
28	00	-	1.8	4.7
	06	-	-	-
	12	-	-	-
	18	-	2.1	4.7
29	00	-	1.8	5.0
	06	-	-	-
	12	-	2.5	4.9
	18	-	2.1	4.7
30	00	-	1.6	5.3
	06	-	-	-
	12	-	1.5	4.7
	18	-	1.6	5.2
31	00	-	1.8	5.1
	06	-	-	-
	12	-	1.7	4.4
	18	-	1.6	4.8

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

Nov., 1958

Published under the direction of
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Director General of Observatories

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGITUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To ≃ Tg ≃ 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h ≃0.8	60
					Wood-Anderson	N	0.8	1000	h ≃0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To≃0.72	Tg≃0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To≃Tg≃72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To≃Tg≃1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h≃0 h≃0.8	30
					Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To ≃1.0	Tg ≃0.18	-	60
					Sprengnether	E	To ≃ Tg ≃ 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h ≃ 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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November 1958

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	Epc: 3°S, 150°E. Bismark Sea - H = 03h 38m 36s GMT (USCGS)					
	KODAIKANAL	E	e	03 48 31		Tremor
	TOCKLAI	E	eP	03 49 02		Slight
	PORT BLAIR	E	i	03 49 03		Slight
			e	52 33		
			e	53 23		
			e	54 21		
			S	55 25		
	SHILLONG	ZE	eP	03 49 12	7090	Moderate
		E	i	50 36		
			i	51 33		
		NE	iS	57 47		
	CHATRA	E	iP	03 49 46	7230	Slight
			iS	58 23		
	MADRAS	E	eP	03 50 02	8000	Moderate
			PcP	50 17		
			PP	52 53		
			PPP	54 37		
			eS	59 23		
			SKS	59 49		
			e	04 00 39		
			SS	04 07		
			SSS	07 17		
			Lq	09 30		
			Lr	13 53		
	AGRA	ZE	iP?	03 50 26	8380	Moderate, compression, first movement East.
		N	eP?			
		ZE	PcP	50 54		
			PP	52 40		
			PPP	54 30		
		ZNE	iS	04 00 06		
		ZE	SKS	00 28		
		ZNE	PS	00 44		
		ZN	PPS	01 04		
			i?	02 22		
		ZE	i?	02 56		
		N	i?	03 10		
			SS	04 42		
		E	i?	05 38		
		NE	SSS	08 02		
		N	Lq	10 10		
		Z	Lr	13 20		
			M	-- --		Per. ≈36 secs Amp. ≈18.5 mm
	HYDERABAD	E	e(P)	03 50 32	7920	Slight
			PP	53 20		
			iS	59 50		
			PS	04 00 14		
			SS	04 08		
			SSS	07 23		
			Lq	09 00		
			Lr	12 20		
			M	18 52		Per. ≈15 secs ⊔ ≈ 3
	DEHRA DUN	NE	eP	03 50 43	8290	Slight, other phases lost while changing chart.
		N	PP	53 30		
			iS	04 00 19		
			PS	00 56		
			SS	04 46		
			SSS	08 15		
	BOMBAY	NE	eP	03 51 03	8460	Slight
			eS	04 00 47		
01	SHILLONG	Z	eP	05 14 57		Slight, near
			e	15 12		
01	SHILLONG	Z	iP?	05 15 55		Slight, distant Compression
		E	eP?			
		NE	iS	25 10		Probably deep.
	DEHRA DUN	NE	e	05 27 48		Feeble
	BOMBAY	N	e	05 28 12		Very slight
		NE	e	28 49		
01	SHILLONG	Z	iP	05 26 01		Slight, distant Compression
01	SHILLONG	Z	eP	12 21 05		Slight, distant
	CHATRA	Z	i	12 22 51		Feeble, distant
01	Epc: 17½°S, 168°E. New Hebrides Islands - H = 12h 16m 36s GMT (U.S.C.G.S) Mag: 5 - 5¼ (Pasadena)					
	SHILLONG	Z	eP	12 28 23	10700	
		NE	iS	39 40		
	PORT BLAIR	E	iP	12 28 54	8690	
			PP	31 48		
			iS	38 49		
			PPS	39 39		
			SS	40 56		
	MADRAS	E	eP	12 29 53	10200	Phases not clear
			eSKS	40 20		
			eS	40 52		
	KODAIKANAL	E	eP	12 29 58		Tremor
	COLOMBO	E	(P)	12 30 00		
			S	40 10		
			M	13 08 30		Amp. ≈0.6 mm
			M	11 30		Amp. ≈0.6 mm
	ACRA	Z	iP	12 30 11		Rarefaction
		NE	iSKS	40 48		
	BOMBAY	E	e	12 34 35		
		NE	e	41 04		
			e	52 50		
	CHATRA	E	iSKS	12 39 46		
	HYDERABAD	E	PS	12 40 35		
			PPS	41 38		
			M	20 10		Per. ≈12 secs ⊔ ≈ 3
	DEHRA DUN	NE	e	12 40 57		Feeble
01	SHILLONG	Z	e	12 41 55		Slight, distant
01	DEHRA DUN	NE	e	14 52 01		Tremor
01	SHILLONG	Z	iP	15 05 11		Slight, distant Rarefaction
	CHATRA	Z	i	15 05 16		Feeble, distant
	TOCKLAI	E	eP	15 06 30		Slight, distant
01	Epc: 17½°S, 168°E. Hebrides Island - H = 15h 50m 10s GMT (U.S.C.G.S)					
	PORT BLAIR	E	iP	16 02 34	8580	Slight
			iS	12 23		
			ScS	12 48		
			PS	13 48		
			i	14 18		
			SS	17 18		
01	Epc: 22°N, 85°E. Orissa, India - H = 15h 06m 25s GMT (Shillong)					
	KODAIKANAL	E	e	16 04 22		Tremor
	CHATRA	Z	iP	16 07 43		Slight
		ZE	i	09 31		
	SHILLONG	Z	iP	16 02 52	9350	Slight, compression, probably deep.
	MADRAS	E	eP	16 08 36	920	Slight
			PP	08 45		
			Lq	10 03		
			eS	10 11		
			M	11 06		
	DEHRA DUN	NE	eP	16 09 13		Feeble
	AGRA	NE	e	16 10 07		Slight
		E	i	14 25		
	HYDERABAD	E	eS	16 09 50		Slight
			e	10 20		
			e	14 16		
			e	14 53		
			e	16 17		
			e	18 32		Per. ≈ 8 secs ⊔ ≈ 2

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				November 1958				
01 Contd.	BOMBAY	E	e	16	11	05		Feeble
			e		11	12		
		NE	e		12	13		
	COLOMBO	E	S	16	13	50		
			M		46	30		Amp. ≈0.4 mm
01	BOMBAY	NE	e	16	14	41		Slight
		N	e		15	37		
01	SHILLONG	Z	iP	17	38	25		Slight, distant Compression
01	SHILLONG	Z	i	19	38	52		Tremor Rarefaction
01	SHILLONG	Z	iP	20	55	31		Slight, distant Compression
01	SHILLONG	Z	e	21	03	16		Slight, local
02	SHILLONG	Z	iP	00	13	05		Slight, distant Rarefaction
02	SHILLONG	Z	iP	00	56	08		Slight, distant Compression
02	TOCKLAI	E	iP	05	17	29		Slight, near
			i		17	31		First movement
			i		17	57		East
	SHILLONG	ZNE	eP	05	17	35	230	Slight
		E	Pg		17	41		
			iSg		18	10		
	CHATRA	Z	iP	05	17	48	770	Slight
		ZE	iS		19	08		
	AGRA	E	iP◊	05	19	55		Near. First movement West
		ZN	eP◊					
	DEHRA DUN	NE	e	05	20	12		Feeble
	BOMBAY	NE	e	05	25	25		Feeble, near
		E	e		27	21		
		NE	e		27	35		
02	SHILLONG	Z	e	05	29	22		Slight, near
02	SHILLONG	Z	e	05	32	10		Slight, near
			i		32	24		
	CHATRA	Z	i	05	32	34		Feeble, distant
02	SHILLONG	Z	e	05	44	50		Slight, near
			i		45	22		
02	CHATRA	Z	i	09	20	36		Feeble, distant
	SHILLONG	Z	e	09	21	32		Slight, distant
02	SHILLONG	Z	iP◊	09	36	46		Slight, near
		NE	eP◊					rarefaction
		E	e		37	17		Locally felt
	TOCKLAI	E	eP	09	36	54		Slight, near
			i		37	16		
	CHATRA	E	i	09	38	44		Slight
02	SHILLONG	Z	iP	10	56	12		Slight, distant compression
	BOMBAY	N	eP	10	57	43	9950	Slight
			SKS1	11	08	18		
			eS		08	33		
02	SHILLONG	Z	e	13	04	52		Slight
02	SHILLONG	Z	e	13	27	37		Slight, near
02	SHILLONG	Z	e	16	44	11		Slight, distant
02	SHILLONG	Z	iP	18	35	41		Slight, distant Compression
02	SHILLONG	Z	i	19	26	25		Slight, near
			e		26	49		
02	SHILLONG	Z	iP	20	33	14		Slight, distant Rarefaction
02	SHILLONG	Z	eP	20	47	05		Slight, distant
02	SHILLONG	Z	iP	23	44	21		Slight, distant Rarefaction
03	Epc: 30°N, 84½°E. Tibet - H ≈ 14h 31m 35s GMT (U.S.C.G.S.) 31°N, 85°E. -H ≈14h 31m 33s GMT (Shillong)							
	CHATRA	Z	iP	14	32	26	670	Slight
		ZE	iS		33	36		
	DEHRA DUN	NE	eP	14	33	07	570	Slight
		N	PP		33	12		
			PPP		33	18		
			Lg		33	51		
			iS		34	08		
			SS		34	18		
			SSS		34	29		
			Sg,M		34	34		
	AGRA	ZNE	iP	14	33	17	920	Moderate
			PP		33	22		Compression
			PPP		33	36		First movement
		Z	Lq		34	34		South and West
		ZE	iS		34	52		
		Z	Lr, SS		35	06		
		ZNE	M		35	44		Per. ≈ 9 secs
								Amp. ≈59.5 mm
	BOKARO	NE	iP	14	33	22	890	Slight
		N	PPP		33	33		
			Lq		34	46		
			iS		34	54		
			SSS		35	18		
			M		36	11		Per. ≈11 secs
								μ ≈15
	SHILLONG	Z	iP	14	33	36	930	Slight,
		E	PP		33	40		rarefaction
		NE	iS		35	06		
		E	SS		35	14		
			i		35	59		
	TOCKLAI	E	e(P)	14	34	01		Slight
	HYDEKABAD	NE	iP	14	34	56	1420	Moderate. First
		E	iS		37	21		movement East
			SS		37	51		and North.
			Lr		38	09		
			M		39	03		Per. ≈ 6 secs
								μ ≈ 8
		N	M		39	03		Per. ≈ 8 secs
								μ ≈ 7
	VIZIANAGRAM	N	e(P)	14	35	12		Slight
			i		38	55		
	BOMBAY	NE	eP	14	35	18	1720	Slight
		N	PP		35	31		
		NE	Lq		38	00		
			eS		38	11		
			SS		38	31		
		E	i		39	15		
		NE	e		39	52		
		N	M		42	16		Per. ≈ 7 secs
								μ ≈ 6
		E	M		43	14		Per. ≈ 7 secs
								μ ≈ 4
	MADRAS	E	eP	14	35	48	2050	Slight
			PP		36	03		
			i		38	57		
			eS		39	11		
			SS		39	30		
			SSS		39	43		
			Lr		40	14		
			i		41	03		
			M		41	32		
	PORT BLAIR	E	iP	14	36	17	2410	Slight
			PP		36	27		
			PPP		36	48		
			iS		40	14		
			SS		40	42		
			SSS		40	58		
	KODAIKANAL	E	eP	14	36	30	2420	First movement
			iS		40	27		East
			M		43	48		Per. ≈12 secs
								μ ≈13.8
03	SHILLONG	Z	eP	20	41	46		Slight, distant
03	SHILLONG	Z	e	22	45	01		Slight, near
			i		45	39		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					November 1958			
03	SHILLONG	Z	iP	23	18	08		Slight, distant Compression
04	SHILLONG	Z	iP	00	02	21		Slight, distant Rarefaction
04	Epc: 28°N, 140½°E. Bonin Island Region - H = 08h 28m 28s GMT (U.S.C.G.S)							
	SHILLONG	ZE	eP	08	36	35	4860	Moderate
		E	PP		38	20		
			PPP		38	56		
			iS		43	06		
			PS		43	13		
			SS		46	24		
			Lq		47	00		
	CHATRA	Z	iP	08	36	45		Slight, distant
	BOKARO	N	e(P)	08	37	21		Slight, phases
			i(S)		44	25		unidentifiable
	DEHRA DUN	NE	eP	08	38	01		Slight, phases
			i(S)		45	39		not clear
			i		48	12		
	AGRA	ZE	iP	08	38	03		Slight,
		N	eP					compression
		Z	e		38	25		First movement
		ZE	i		40	34		West
			e		40	52		
	HYDERABAD	E	eP	08	38	23		
			e		49	01		
			M	09	18	12		Per. = 14 secs
								A = 4
	BOMBAY	NE	iP	08	38	55	7000	Slight
			iS		47	25		
04	Epc: 28°N, 141°E. Bonin Island Region - H = 08h 31m 00s GMT (U.S.C.G.S)							
	SHILLONG	ZE	eP	08	39	07	4820	Moderate aftershock
		E	PP		40	45		
			PPP		41	25		
			S		45	35		
	CHATRA	Z	iP	08	39	17	5200	Slight
		ZE	iS		46	08		
	PORT BLAIR	E	iP	08	39	29	5550	Slight
			PcP		40	41		
			PP		41	23		
			PPP		42	20		
			eS		45	39		
			PS		45	48		
	MADRAS	E	eP	08	40	57	5570	Moderate
			e		44	39		
			e		49	04		
			e		49	33		
	BOMBAY	NE	iP	08	41	24	7050	Slight, deep
			iS		49	57		
04	SHILLONG	Z	iP	09	36	05		Slight, distant compression
04	SHILLONG	ZE	iP	12	51	39	230	Mag. = 3½
		N	eP					
		E	Pg		51	45		
		NE	S		52	05		
		E	Sg		52	14		
	TOCKLAI	E	eP	12	51	44		Slight,
			i		51	52		near
			i		52	00		
	CHATRA	Z	iP	12	52	19	940	Slight
		ZE	iS		53	56		
04	SHILLONG	Z	iP	14	33	20		Slight, distant Compression
04	SHILLONG	Z	e	15	04	48		Slight, local
04	SHILLONG	Z	iP	15	51	29		Slight, **near** Compression
04	SHILLONG	Z	iP	20	07	26		Slight, distant compression
04	CHATRA	Z	iP	22	12	53	720	Slight
		E	iS		14	08		
04 Contd.	SHILLONG	Z	iP	22	14	01		Slight, distant Compression
04	CHATRA	Z	iPg	23	03	52	120	Feeble
			iSg		04	08		
04	CHATRA	Z	iP	23	14	21	1150	Slight
		E	iS		16	19		
04	SHILLONG	Z	eP	23	47	31		Slight, distant
05	SHILLONG	Z	eP	01	44	47		Slight, distant
05	CHATRA	Z	i	03	26	20		Slight, distant
	SHILLONG	Z	eP	03	27	06		Slight, distant
05	SHILLONG	Z	eP	04	39	04		Slight, near
			i		39	17		
05	SHILLONG	Z	eP	05	11	56		Slight, distant
05	SHILLONG	Z	e	06	44	29		Slight, distant
05	SHILLONG	Z	iP	07	59	43		Slight, distant
			i	08	00	43		Rarefaction
	CHATRA	Z	eP	08	00	35	1020	Slight
			iS		02	20		
05	Epc: 58°N, 154½°W. Kodaik Islands - H = 15h 47m 22s GMT (U.S.C.G.S)							
	SHILLONG	Z	eP	15	59	32		Slight
	CHATRA	Z	i	15	59	42		Feeble
05	DEHRA DUN	NE	e	22	59	56		Tremor
	CHATRA	Z	i	23	00	15		Feeble, distant
	SHILLONG	Z	eP	23	00	56		Slight, distant
06	CHATRA	Z	i	00	31	21		Feeble, distant
06	SHILLONG	Z	e	01	16	24		Slight, near
			i		16	35		
06	SHILLONG	Z	iP	04	16	42		Slight, near
			i		17	39		Rarefaction
	CHATRA	Z	iP	04	17	41	990	Feeble
			iS		19	23		
06	SHILLONG	Z	eP	10	09	51		Slight, near
			i		10	16		
	CHATRA	Z	i	10	10	52		Feeble, distant
06	SHILLONG	Z	e	12	35	56		Slight, near
			i		36	34		
06	Epc: 6°S, 128°E. Banda Sea. - h about 250 km - H = 15h 30m 06s GMT (U.S.C.G.S)							
	SHILLONG	Z	iP	15	38	20		Slight Compression
	CHATRA	Z	i	15	39	00		Feeble
	BOMBAY	E	e	15	39	58		Feeble
	TOCKLAI	E	eS	15	44	31		Slight
06	SHILLONG	Z	iP	21	34	29		Slight, distant compression
06	Epc: 44½°N, 148½°E. Kurile Islands. -h about 100 km - H = 22h 58m 10s GMT (U.S.C.G.S) 44°N, 147°E. -H=22h 58m 15s GMT(U.S.C.G.S) Mag: 8-8¼ (Pasadena, Berkeley), 7¾ (Shillong) Minor seismic sea waves (U.S.C.G.S)							
	TOCKLAI	E	i	23	05	38		Moderate, distant
			i		06	31		First movement West.
	SHILLONG	Z	eP	23	06	52	5300	First movement
		NE	iP					South and West
		N	PP		08	44		
			PPP		09	36		
			S		13	48		
			PPS		14	03		
		N	iSS		17	10		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				November 1958				
06 Contd.	SHILLONG Contd.	N	SSS	23	18	10		
			Lq		18	21		
			Lr		20	28		
			M		24	28		
	CHATRA	ZE	iP	23	07	23		Great
		E	i		14	49		
	BOKARO	N	iP	23	07	31	4880	Great, other phases unidentifiable due to overlappong of phases.
			iS		14	03		
	DEHRA DUN	NE	eP	23	07	47	6190	Great
		N	PP		08	40		
			PPP		08	57		
			iS		15	33		
			Lq		16	09		
			SS		16	42		
			SSS		17	14		
			Lr		17	58		
			M		19	56		
	PORT BLAIR	E	iP	23	07	58	6390	Great
			iS		15	55		
	AGRA	ZNE	iP	23	08	00	6180	Great, compression First movement South and West
			iS		15	45		
	VIZIANAGRAM	NE	iP	23	08	14		Great, distant First movement South and West
			i		08	30		
			i		16	23		
	HYDERABAD	NE	iP	23	08	35	6880	Great. First movement West and South
		E	PcP		08	55		
			PP		11	21		
			PPP		12	42		
			iS		17	00		
			PS		17	09		
			SS		21	11		
			SSS		23	48		
			Lq		24	29		
			Lr		27	22		
			M		32	21		Per. = 9 secs μ = 270
	MADRAS	E	iP	23	08	50	7080	Great. First movement West
			PcP		09	19		
			PP		11	19		
			PPP		12	51		
			i		16	15		
			i		16	55		
			iS		17	24		
			SS		21	29		
	POONA	Z	iP	23	08	54	7190	Great, compression
		N	PcP		09	21		
			PP		11	14		
			PPP		12	39		
			PcS		13	10		
		NE	iS		17	35		
		N	PS		17	48		
			PPS		17	59		
			ScS		18	25		
			SS		21	31		
			SSS		24	11		
			Lq		25	16		
			Lr		28	13		
			M		32	55		
			Mn		36	--		Per. = 19.5 secs μ = 742.9
	BOMBAY	E	iP	23	08	58	7470	Great
			PP		11	44		
			iS		17	52		
			SS		22	19		
			SSS		26	22		
			Lq		26	57		
			M		37	33		Per. = 28 secs μ = 1500
	COLOMBO	E	P	23	09	14		
			S		18	25		
			L		36	05		
			M		42	00		Amp. = 55.0 mm
	KODAIKANAL	E	iP	23	09	14		Great. First movement West
			PP		11	44		
			PPP		13	17		
			iS		18	08		
			SS		22	35		
			SSS		25	35		
05 Contd.	KODAIKANAL Contd.	E	Lq	23	26	47		
			Lr		29	56		
			M		35	47		Per. = 20 secs μ = 467.7
06	SHILLONG	Z	iP	23	36	28		Slight, distant Rarefaction
06	SHILLONG	Z	iP	23	55	27		Slight, distant Compression
07	SHILLONG	Z	eP	00	02	20		Slight, distant
07	SHILLONG	Z	eP	00	04	27		Slight, distant
07	SHILLONG	Z	eP	00	11	00		Slight, distant
07	SHILLONG	Z	iP	00	21	22		Slight, distant compression
07	SHILLONG	Z	iP	00	41	59		- do -
07	SHILLONG	Z	eP	00	45	01		Slight, distant
			i		46	47		
	CHATRA	Z	i	00	45	30		Slight, distant
07	SHILLONG	Z	eP	01	10	54		Slight, distant
			i		13	48		
07	CHATRA	Z	i	01	14	18		Slight, distant
07	SHILLONG	Z	eP	01	22	40		Slight, distant
07	SHILLONG	Z	iP	01	51	51		Slight, distant Compression
07	SHILLONG	Z	iP	02	04	30		Slight, distant compression
07	SHILLONG	Z	iP	02	15	28		Slight, distant Compression
07	SHILLONG	Z	iP	02	18	13		Slight, distant
			i		19	07		compression
07	SHILLONG	Z	iP	02	25	47		Slight, distant compression
07	SHILLONG	Z	eP	02	33	23		Slight, distant
07	SHILLONG	Z	e	02	39	33		Slight, distant
07	SHILLONG	Z	eP	02	44	37		Slight, distant
07	SHILLONG	Z	i	02	46	54		Slight, distant Compression
07	SHILLONG	Z	iP	02	58	45		Slight, near
			i		58	51		compression
07	SHILLONG	Z	iP	02	59	43		Slight, distant compression
	CHATRA	Z	i	03	00	02		Feeble, distant
07	SHILLONG	Z	iP	03	27	28		Slight, distant
			i		27	52		Compression
07	SHILLONG	Z	iP	03	33	07		Slight, distant Compression
07	SHILLONG	Z	iP	03	35	45		Slight, distant Compression
07	SHILLONG	Z	iP	04	28	05		Slight, distant Compression
07	Epc: 44½°N, 149°E. Kurile Islands - B = 04h 59m 50s GMT(U.S.C.G.S)							
	SHILLONG	Z	iP	05	08	46		Slight, compression
	CHATRA	Z	iP	05	08	58		Feeble, distant
	DEHRA DUN	NE	e(P)	05	09	40		Feeble
			i		17	33		
07	SHILLONG	Z	eP	05	53	47		Slight, near
07	SHILLONG	Z	e	05	02	35		Slight, distant
07	KODAIKANAL	E	e	05	16	38		Slight
07	SHILLONG	Z	iP	05	34	17		Slight, distant Compression

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				November 1958		
07	SHILLONG	Z	i	06 47 09		Tremor
07	SHILLONG	Z	e	07 13 16		Slight, near
			e	14 27		
07	SHILLONG	Z	iP	07 49 27		Slight, distant Compression
	CHATRA	Z	i	07 49 41		Feeble, distant
	DEHRA DUN	NE	e	07 50 22		Tremor
07	SHILLONG	Z	iP	08 08 24		Slight, distant compression
07	SHILLONG	Z	iP	08 38 08		Slight, distant Compression
07	SHILLONG	Z	eP	10 18 34		Slight, distant
07	SHILLONG	Z	iP	10 36 19		Slight, distant compression
	CHATRA	Z	i	10 36 32		Feeble, distant
07	SHILLONG	Z	e	11 17 52		Slight, distant
07	SHILLONG	Z	eP	11 33 14		Slight, distant
	CHATRA	Z	i	11 33 27		Feeble, distant
	DEHRA DUN	NE	e	111 34 08		Feeble
			i	41 59		
07	SHILLONG	Z	iP	11 39 55		Slight, distant Compression
07	SHILLONG	Z	iP	13 59 34		Slight, distant Compression
07	SHILLONG	Z	iP	14 07 04		Slight, distant Compression
07	SHILLONG	Z	eP	14 23 03		Slight, distant
			i	24 25		
07	SHILLONG	Z	iP	14 33 26		Slight, distant Compression
07	SHILLONG	Z	eP	15 36 21		Slight, distant
07	SHILLONG	Z	iP	15 23 27		Slight, distant
			i	25 33		Compression
07	SHILLONG	Z	e	15 31 36		Slight, distant
07	SHILLONG	Z	iP	17 05 02		Slight, distant Compression
07	SHILLONG	Z	eP	17 32 00		Slight, distant
07	SHILLONG	Z	iP	17 41 29		Slight, distant Compression
	DEHRA DUN	NE	e	17 42 30		Feeble
			i	50 12		
07	SHILLONG	Z	iP	19 23 24		Slight, distant Compression
07	SHILLONG	Z	iPg	20 13 54		Slight, near
			e	14 33		compression
07	SHILLONG	Z	e	20 35 21		Slight, distant
			i	39 18		
07	SHILLONG	Z	iP	20 50 11		Slight, distant Compression
07	SHILLONG	Z	iP	22 18 10		Slight, distant Compression
07	SHILLONG	Z	iP	23 59 54		Slight, distant Compression
08	Epc: 52°N, 159½°E. Off South east coast of Kamchatka - H = 09h 22m 53s GMT (U.S.C.G.S)					
	SHILLONG	ZNE	eP	09 32 39	6250	Slight, strong
		N	e	37 55		microseisms
			eS	40 29		
	CHATRA	Z	iP	09 32 46		Slight
	DEHRA DUN	NE	eP	09 33 14	6880	Slight, phases
			iS	41 37		not clear

DATE	STATION	COMPT	PHASE	G, M. T. h. m. s.	Δ km	REMARKS
08	AGRA	ZNE	iP	09 33 29		Slight, compression. First movement South and West
Contd.						
	HYDERABAD	NE	iP	09 34 12	7860	Slight, first
		E	iS	43 27		movement South
			PS	44 15		and West
			Lr	56 13		
			M	10 04 27		Per. ≈15 secs μ ≈ 4
	BOMBAY	NE	eP	09 34 28	8330	Slight
		E	PPP	39 24		
		NE	eS	44 06		
			e	44 36		
		E	M	10 09 39		Per. ≈15 secs μ ≈ 1
		N	M	09 57		Per. ≈15 secs μ ≈ 8
	KODAIKANAL	E	e(S)	09 45 07		Tremor
08	SHILLONG	Z	iP	12 17 22		Slight, distant Compression
	CHATRA	Z	i	12 17 35		Feeble, distant
08	SHILLONG	Z	eP	12 29 17		Slight,
			e	29 46		near
08	SHILLONG	Z	iP	13 04 31		Slight, distant Compression
08	SHILLONG	Z	iP	13 31 19		Slight, near
			e	31 57		
08	SHILLONG	Z	iP	13 34 10		Slight, distant Compression
08	SHILLONG	Z	eP	15 10 40		Slight, near
08	DEHRA DUN	NE	e	17 11 43		Feeble
	CHATRA	Z	iP	17 13 22	1890	Slight
		ZE	iS	16 31		
	SHILLONG	Z	iP	17 14 13		Slight, distant Rarefaction
08	SHILLONG	Z	e	19 16 37		Slight, local
08	Epc: 11½°N, 93°E. Andaman Islands - H = 19h 36m 48s GMT (U.S.C.G.S) Felt at Port Blair					
	PORT BLAIR	E	eiP	19 37 06		Slight
	MADRAS	E	iP	19 39 42	1450	Slight
			PP	39 51		
			PPP	39 58		
			e	40 21		
			Lq	42 00		
			eS	42 09		
			SS	42 24		
			Lr	42 37		
			M	43 54		
	KODAIKANAL	E	e	19 40 10		Tremor
	SHILLONG	Z	eP	19 40 11	1840	Slight
		E	eS	43 15		
	TOCKLAI	E	e	19 40 38		Slight
	CHATRA	Z	iP	19 40 38	2050	Slight
		E	iS	44 02		
	BOMBAY	N	eP	19 41 32	2430	Slight
		E	iP			
		E	e	42 00		
		N	e	45 13		
		NE	eS	45 30		
		E	iS			
		E	i	45 44		
			i	45 15		
	AGRA	NE	eP	19 41 34		Slight
		Z	iP			
		ZNE	i(S)	45 24		
	DEHRA DUN	NE	eP	19 42 07	2610	Slight, phases
			iS	46 18		not clear
	COLOMBO	E	e	19 42 --		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				November 1958		
08 Contd.	HYDERABAD	E	M	19 46 54		Per. ±15 secs μ ± 4
08	MADRAS	E	eP	19 51 34		
			e	51 45		
			e	51 50		
			e	54 30		
08	PORT BLAIR	N	ePg	22 31 47	60	Slight
			eSg	31 55		
08	SHILLONG	Z	iP	22 56 14		Slight, distant Compression
09	PORT BLAIR	N	ePg	01 42 17	60	Slight
			iSg	42 25		
09	SHILLONG	Z	eP	03 23 38		Slight, distant
09	SHILLONG	Z	iP	08 15 17		Slight, distant Compression
09	SHILLONG	Z	e	09 12 10		Slight, distant
09	SHILLONG	Z	iP	10 26 28		Slight, distant Compression
09	SHILLONG	Z	eP	12 55 46		Slight, near
09	SHILLONG	Z	iP	13 32 31		Slight, near
			e	33 01		Rarefaction
	CHATRA	Z	iP	13 33 23	790	Feeble
			iS	34 45		
09	SHILLONG	Z	e	13 46 59		Tremor
09	SHILLONG	Z	iP	14 43 04		Slight, distant Compression
09	SHILLONG	Z	iP	14 54 25		Slight, distant Compression
09	SHILLONG	Z	eP	15 10 41		Slight, distant
09	SHILLONG	Z	e	15 48 30		Tremor
09	SHILLONG	Z	eP	17 22 35		Slight, near
			e	23 04		
09	SHILLONG	Z	eP	18 01 42		Slight, distant
09	SHILLONG	Z	iP	21 13 34		Slight, distant Compression
09	CHATRA	Z	iP	22 39 37	100	Slight
		ZE	iS	39 51		
09	SHILLONG	Z	e	22 41 17		Slight, distant
09	SHILLONG	Z	i	23 52 29		Tremor
10	SHILLONG	Z	iP	00 57 29		Slight, distant Compression
10	SHILLONG	Z	eP	03 19 55		Slight, distant
10	CHATRA	Z	iP	05 33 38	810	Slight
		E	iS	35 02		
	SHILLONG	Z	e	05 34 29		Slight
10	SHILLONG	Z	iP	05 30 04		Slight, distant Compression
10	SHILLONG	Z	e	11 27 01		Tremor
10	SHILLONG	Z	e	11 32 38		Slight, distant
10	SHILLONG	Z	eP	12 13 28		Slight, distant
10	SHILLONG	Z	eP	17 05 07		Slight, distant
10	SHILLONG	Z	i	18 44 56		Tremor
10	SHILLONG	Z	eP	20 05 13		Slight, distant
11	SHILLONG	Z	eP	04 00 34		Slight, distant
11	SSHILLONG	Z	eP	05 00 55		Slight, distant
11	SHILLONG	Z	e	07 42 21		Slight, near
11	SHILLONG	Z	eP	11 46 06		Slight, near
11 Contd.	CHATRA	Z	iP	11 47 04	890	Feeble
			iS	48 35		
11	DEHRA DUN	NE	e	13 08 10		Tremor
	AGRA	ZNE	eP	13 09 54		Near
	BOMBAY	E	e	13 14 15		Very slight, near
			e	14 32		
		N	e	14 37		
11	SHILLONGP	Z	e	13 29 43		Slight, distant
11	SHILLONG	Z	eP	17 49 13		Slight, distant
	COLOMBO	E	P	17 50 40		
			S	54 55		
			L	57 20		
			M	59 20		Amp. ±0.4 mm
			M	18 01 20		Amp. ±0.4 mm
	BOMBAY	E	eP	17 52 31	4150	Slight
			eS	58 19		
	KODAIKANAL	E	eP	17 53 26	6500	Slight, other phases not clear
			eS	59 29		
	MADRAS	E	e	17 53 30		Slight
			e	58 32		
11	SHILLONG	Z	eP	18 01 22		Slight, distant
12	SHILLONG	Z	iP	04 04 09		Slight, distant Rarefaction
12	SHILLONG	Z	e	05 15 03		Slight, distant
12	SHILLONG	Z	e	05 28 42		Slight, distant
12	SHILLONG	Z	e	08 57 43		Slight, distant
12	Epc: 7°S, 155°E. Solomon Islands. - h 100 km. ca - H = 10h 39m 47s GMT (U.S.C.G.S)					
	SHILLONG	Z	eP	10 50 50		Slight
	CHATRA	Z	i	10 51 16		Feeble
12	SHILLONG	Z	eP	12 54 25		Slight, distant
12	SHILLONG	Z	eP	15 21 45		Slight, distant
12	TOCKLAI	E	eP	16 56 43		Slight, near
			i	57 04		
			i	57 05		
	SHILLONG	Z	iP	16 57 03	450	Slight, rarefaction
		E	iS	57 51		
	CHATRA	Z	iP	16 57 45	1020	Slight
		E	iS	59 30		
12	SHILLONG	Z	iP	17 53 00		Slight, distant Compression
12	SHILLONG	Z	e	18 00 59		Tremor
12	SHILLONG	Z	e	18 26 58		Slight, local
12	SHILLONG	Z	eP	18 45 41		Slight, distant
12	SHILLONG	Z	iP	19 25 18		Slight, distant Compression
12	Epc: 44½°N, 149°E. Kurile Islands - H = 20h 23m 25s GMT (U.S.C.G.S) 44°N, 148°E. - H = 20h 23m 25s GMT (Shillong) Mag. 6¾ 7 (Pasadena) Felt: Hokkaido and northern Honshu, Japan (U.S.C.G.S)					
	TOCKLAI	E	iP	20 32 03		Slight, first movement West
	SHILLONG	ZNE	iP	20 32 19	5430	Moderate, compression. First movement South and West
		NE	iS	39 22		
	CHATRA	ZE	iP	20 32 37	6800	Moderate
		E	iS	40 55		
	BOKARO	N	iP	20 32 45		Moderate

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				November 1958		
12 Contd.	DEHRA DUN	NE •	eP	20 33 11	6190	Moderate
		N	PP	35 02		
			PPP	36 11		
			iS	40 57		
			SS	45 02		
			SSS	46 46		
			Lr	49 23		
			M	52 28		Per. =16.1 secs A =133.2
	PORT BLAIR	E	iP	20 33 20	6450	Great
			PcP	34 08		
			PP	35 22		
			ScP	38 08		
			iS	41 20		
			PS	41 31		
			PPS	41 39		
			ScS	43 04		
			M	51 20		Per. =17 secs A =91
	AGRA	ZNE	iP	20 33 23		Great, compression. First movement South and West
			i(S)	41 12		
	HYDERABAD	NE	iP	20 34 02	7080	Moderate. First movement West and South
		N	PcP	34 37		
			PP	36 31		
			PcS	38 22		
		NE	iS	42 37		
		N	PS	42 54		
			PPS	43 21		
			SKS1	43 37		
			SS	46 34		
			Lr	53 06		
		E	Lr	53 19		
		N	M	58 10		Per. =15 secs A =54
		E	M	58 34		Per. =17 secs A =51
	VIZIANAGRAM	N	iP	20 34 06		Slight, distant First movement South
	MADRAS	E	iP	20 34 15	7220	Moderate. First movement West
			PcP	34 35		
			PP	36 45		
			PPP	38 14		
			iS	42 57		
			PS	43 23		
			PPS	43 35		
			SS	47 03		
			SSS	50 00		
			Lq	51 15		
			Lr	54 17		
			M	59 57		
	POONA	Z	iP	20 34 20	7390	Moderate, compression. First movement South and West
		N	PcP	34 50		
		E	PP	36 52		
		N	PPP	38 23		
			PcS	38 46		
		NE	iS	43 10		
			PS	43 32		
			PPS	43 49		
		N	SS	47 13		
			SSS	50 12		
			Lq	51 23		
			Lr	54 24		
			M	59 33		
			Mn	21 05 --		Per. =17.3 secs A =129.2
	BOMBAY	NE	eP	20 34 23	7430	Moderate
			PcP	34 41		
		N	PP	36 48		
		Es	PP	36 54		
		E	PP	37 02		
		N	iSϕ	43 15		
		E	eSϕ			
			PS	43 35		
		NE	PPS	44 02		
		N	SS	47 36		
		E	SS	47 43		
			SSS	51 22		
			Lq	51 28		
			M	21 05 34		Per. =14 secs A = 42
		N	M	06 26		Per. =15 secs A =79
12	KODAIKANAL	E	iP	20 34 34	7820	First movement East.
			PP	37 10		
			iS	43 46		
			SS	48 19		
			SSS	51 22		
			Lq	52 46		
			Lr	56 04		
			M	21 02 01		Per. =20 secs A =80.6
	COLOMBO	E	P	20 34 45		
			S	43 50		
			L	21 02 50		
			M	10 55		Amp. =6.0 mm
12	PORT BLAIR	E	iPg	20 51 17	70	Slight
			iSg	51 26		
12	SHILLONG	Z	iP	21 32 10		Slight, distant Rarefaction
12	SHILLONG	Z	e	21 43 57		Tremor
12	SHILLONG	Z	e	21 53 20		Slight, distant
12	SHILLONG	Z	iP	22 08 05		Slight, distant Compression
12	SHILLONG	Z	iP	23 08 35		Slight, distant Compression
	POONA	Z	iP	23 10 35		Tremor
12	SHILLONG	Z	iP	23 40 50		Slight, distant Compression
13	SHILLONG	Z	iP	01 15 59		Slight, distant Compression
13	Epc 44°N, 148°E. Kurile Islands - H = 02h 56m 26s GMT (U.S.C.G.S)					
	SHILLONG	Z	uP	03 05 17		Slight, compression
	DEHRA DUN	NE	eP	03 06 16		Feeble
			e(S)	13 55		
	AGRA	ZNE	iP	03 06 23	6410	Slight, compression. First movement South and West.
			iS	14 21		
	POONA	Z	eP	03 07 19		Tremor
	BOMBAY	N	eP	03 07 22	7780	Feeble
			eS	15 32		
			M	39 26		Per. =13 secs A = 1
	KODAIKANAL	E	e	03 39 19		Tremor
13	SHILLONG	Z	eP	04 13 19		Slight, near
13	Epc 44½°N, 148°E Kurile Islands -H = 04h 04m 37s GMT (U.S.C.G.S)					
	TOCKLAI	E	eP	04 13 09		Slight
	SHILLONG	E	iPϕ	04 13 27		Moderate. First movement West
		ZN	ePϕ			
		E	i	15 21		
	BOKARO	N	i(P)	04 13 54	5960	Slight, phases not clearly developed
			i(S)	21 27		
	DEHRA DUN	NE	e	04 14 20		Feeble
	PORT BLAIR	N	NiP	04 14 29		Slight
	AGRA	ZNE	iP	04 14 31	6370	Moderate
		Z	i?	14 39		Compression
		ZNE	i?	14 45		First movement
		Z	PP	16 35		South and West
		ZNE	iS	22 27		
			PS	22 37		
			PPS	22 49		
		E	ScS	24 29		
			SS	25 35		
		Z	i?	27 19		
		ZNE	M	38 25		Per. =20 secs Amp. =36 mm

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
13 Contd.	MADRAS	E	iP	04	15	23		Feeble, first movement West
			e		15	34		
			e		17	42		
	POONA	Z	iP	04	15	28		Slight, phases not clear
		N	eS		24	15		
	BOMBAY	NE	eP	04	15	31	7630	Slight
		N	e		15	44		
			e		16	40		
		E	PP		17	53		
		N	PP		18	00		
		NE	eS		24	34		
		N	M		47	17		Per. ≈ 14 secs μ ≈ 2
13	SHILLONG	Z	iP	04	40	58		Slight, distant Compression
13	SHILLONG	Z	e	05	17	45		Slight, distant
			i		18	31		
13	SHILLONG	Z	e	06	07	37		Slight, distant
13	BOMBAY	N	e	06	18	09		Feeble
13	SHILLONG	Z	iP	06	23	40		Slight, distant Compression
13	SHILLONG	Z	iP	08	08	04		Slight, distant Compression
13	SHILLONG	Z	e	10	51	16		Slight, distant
13	SHILLONG	Z	eP	11	04	51		Slight, distant
13	Epc: 9°N, 93½°E. Nicobar Islands - H ≈ 16h 16m 25s GMT (U.S.C.G.S) 8°N, 94¼°E. - H ≈ 16h 16m 23s GMT (Shillong)							
	PORT BLAIR	N	iP	16	17	21	370	Slight
			P*		17	25		
			Pg		17	32		
			iS		18	01		
	MADRAS	E	iP	16	19	45	1590	Slight, first movement West
			PP		19	54		
			PPP		20	00		
			Lq		22	02		
			e		22	09		
			eS		22	26		
			SSS		22	34		
			Lr		22	43		
			M		23	42		
	BOKARO	N	iP	16	20	10	1910	Slight, other phases unidentifiable
			iS		23	11		
	KODAIKANAL	E	e	16	20	14		Tremor
	SHILLONG	Z	iP	16	20	23	1880	Slight, compression
		E	iS		23	31		
	TOCKLAI	E	eP	16	20	39		Slight
	HYDERABAD	N	iP	16	20	24	1900	Slight, first movement North
			eS		23	34		
	VIZIANAGRAM	N	e	16	20	41		Slight
			i		22	59		
	CHATRA	ZE	iP	16	20	50	2110	Slight
		E	iS		24	19		
	POONA	E	eP	16	21	17		Probably near. Phases not clear.
			i		21	35		
			i		25	50		
	BOMBAY	NE	eP	16	21	29	2550	Slight
			e		22	04		
			eS		25	35		
		N	Lq		26	03		
		E	i		26	11		
		N	SS		26	28		
	AGRA	ZNE	i	16	21	37		Slight, dilatation
			i		25	32		First movement South and East
	DEHRA DUN	NE	e	16	22	02		Feeble
13	PORT BLAIR	N	iP	16	31	57		Slight
	MADRAS	E	e	16	32	43		Feeble
13	SHILLONG	E	iP	16	37	40	150	First movement East. Mag. ≈ 4½
		Z	eP					
		E	iS		23	31		
	TOCKLAI	E	eP	16	57	44		Slight, near
			iS		58	05		
	CHATRA	Z	iP	16	58	24	840	Slight
			iS		59	51		
13	SHILLONG	Z	iP	17	24	07		Slight, distant Rarefaction
13	SHILLONG	Z	eP	17	43	43		Slight, near
13	SHILLONG	Z	iP	18	43	13		Slight, distant Compression
13	SHILLONG	Z	iP	21	46	02		Slight, distant Compression
13	SHILLONG	Z	iP	22	25	15		Slight, distant Rarefaction
13	BOMBAY	E	e	23	23	44		Feeble, deep
		N	e		27	22		
	SHILLONG	Z	eP	23	26	34		Slight, distant
14	CHATRA	Z	i	00	57	42		Feeble, distant
14	DEHRA DUN	NE	e	01	00	14		Tremor
14	CHATRA	Z	iP	01	00	47	970	Slight
		E	iS		02	27		
14	SHILLONG	Z	iP	03	29	36		Slight, distant Rarefaction
14	SHILLONG	Z	eP	05	43	43		Slight, distant
	DEHRA DUN	NE	e	05	44	50		Feeble
			i		52	25		
	AGRA	ZNE	iP	05	44	50	6420	Slight, compredsion
		Z	i?		45	10		First movement South and West
		ZNE	iS		52	49		
	BOMBAY	NE	eP	05	45	51	7450	Slight
			eS		54	44		
		E	PS		54	57		
			PPS		55	39		
		N	M	06	14	44		Per. ≈ 14 secs μ ≈ 1
14	SHILLONG	Z	e	06	05	45		Slight, distant
14	SHILLONG	Z	e	07	15	36		Slight, distant
14	SHILLONG	Z	eP	07	30	41		Slight, distant
14	SHILLONG	Z	ePg	08	02	24		Slight, local
			i		02	25		
14	SHILLONG	Z	eP	09	01	23		Slight, distant
14	SHILLONG	Z	e	09	44	52		Slight, distant
14	Epc: 6°S, 131°E. Banda Sea - H ≈ 13h 48m 20s GMT (U.S.C.G.S)							
	PORT BLAIR	E	eP	13	56	21	4550	Slight
			PPP		58	29		
			PcS	14	02	12		
			iS		02	34		
	TOCKLAI	E	eP	13	57	09		Slight
			i		04	02		
	SHILLONG	ZNE	iP	13	57	17	5570	Moderate, compression
		E	i		58	32		First movement North and West
			PP		59	17		
			S	14	04	11		
			i		05	38		
			ScS		06	00		
			SSS		08	38		
	BOKARO	N	iP	13	57	30	5720	Moderate, phases not clear
			iS	14	04	50		
	COLOMBO	E	P	13	57	30		
			S	14	05	00		
			L		14	20		
			M		18	10		Amp. ≈ 0.5 mm

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
14 Contd.	CHATRA	Z	iP	13	57	45	5780	Slight
		E	iS	14	05	08		
	MADRAS	E	eP	13	57	54	6220	Moderate,
			PcP		58	18		Depth ≈ 200 kms
			PP		59	37		
			PPP	14	00	53		
			iS		05	22		
			PS		05	33		
			PPS		05	45		
			SS		08	24		
			Lq		11	12		
	KODAIKANAL	E	eP	13	58	03	6120	Slight, distant
			eS	14	05	45		First movement East.
			M		18	48		Per. ≈ 20 secs
								μ ≈ 8.5
	HYDERABAD	NE	iP	13	58	13	6200	Moderate, first
			PcP		59	04		movement West
			PP	14	00	25		and North
			PPP		01	46		
		NE	iS		06	00		
		E	ScS		07	56		
		N	SS		09	07		
		E	SS		09	16		
			Lr		14	28		
		N	Lr		14	40		
			M		18	54		Per. ≈ 15 secs
								μ ≈ 4
		E	M		19	31		Per. ≈ 22 secs
								μ ≈ 7
	AGRA	ZNE	iP	13	58	40	7000	Moderate,
		Z	PcP		59	08		compression
			i		59	28		First movement
			PP	14	01	02		North and West
		ZNE	i		06	50		
		ZE	iS		07	02		
			PPS		07	14		
			i?		07	34		
		ZNE	SKS, ScS,					
			sS		08	16		
		N	i?		10	36		
		E	SS		10	50		
		Z	SSS		13	54		
		ZNE	M		--	--		Per. ≈ 18 secs
								Amp. ≈ 13 mm
	DEHRA DUN	NE	eP	13	58	51	6740	Slight
		N	PPP	14	02	40		
			iS		07	07		
			SS		11	13		
			SSS		14	01		
			Lr		16	49		
			M		21	17		
14	BOMBAY	NE	eP	13	58	52	6800	Slight
		E	i	14	01	12		
		N	e		01	52		
		NE	eS		07	11		
		N	e		08	22		
			e		08	35		
14	SHILLONG	Z	e	15	41	35		Slight, distant
14	SHILLONG	Z	eP	18	54	52		Slight, distant
14	SHILLONG	Z	eP	20	01	30		Slight, near
14	SHILLONG	Z	i	21	43	21		Tremor
	CHATRA	Z	iP	21	44	40	210	Slight
			iS		45	05		
14	SHILLONG	Z	e	22	10	42		Slight, distant
15	SHILLONG	Z	e	04	15	00		Slight, distant
15	SHILLONG	Z	iP	04	37	18		Slight, distant Rarefaction
15	Epc: 38°N, 22½°E. Southern Greece, Felt - H ≈ 05h 42m 42s GMT (U.S.C.G.S)							
	BOMBAY	E	eP	05	51	21		Feeble
	CHATRA	Z	iP	05	52	14		Feeble
	SHILLONG	Z	iP	05	52	44		Slight, compression
15	SHILLONG	Z	eP	07	15	19		Slight, distant
15	Epc: 44°N, 149°E. Kurile Islands. - H ≈ 09h 00m 45s GMT (U.S.C.G.S) Mag : 5½-5¾ (Pasadena)							
	SHILLONG	ZE	eP	09	09	37	5300	Moderate,
		E	i		09	56		distant
			i		10	09		
			i		11	51		
			iS		16	33		
			i		16	53		
			i		20	27		
	DEHRA DUN	NE	e(P)	09	10	31		Feeble
			i(S)		18	13		
	AGRA	ZNE	iP	09	10	42	6700	Slight,
		ZE	i		11	01		compression
			i		11	08		First movement
			i		11	16		South and West
		Z	PP		13	20		
			PPP		14	52		
		ZNE	iS		18	36		
			i		19	06		
			i		19	18		
		NE	ScS		20	22		
		Z	M		--	--		Per. ≈ 22 secs
								Amp. ≈ 0.9 mm
	BOMBAY	NE	eP	09	11	43	7290	Slight
		E	PP		14	27		
		NE	eS		20	28		
		E	PS		20	53		
			PPS		21	12		
	PORT BLAIR	E	iS	09	18	33		Slight
	KODAIKANAL	E	eS	09	20	56		Tremor
15	SHILLONG	Z	eP	09	19	14		Slight, distant
15	SHILLONG	Z	eP	10	01	46		Slight, distant
15	SHILLONG	Z	e	17	45	44		Tremor
15	DEHRA DUN	NE	e	18	24	53		Tremor
	CHATRA	Z	eP	18	26	20	2700	Slight
		E	iS		30	37		
	SHILLONG	Z	eP	18	27	11		Slight
	BOMBAY	E	e	18	28	42		Tremor
		NE	e		30	34		
15	DEHRA DUN	NE	e	18	38	35		Tremor
	CHATRA	Z	iP	18	40	24	2230	Slight
		E	iS		45	15		
	SHILLONG	Z	e	18	40	53		Slight
	BOMBAY	E	e	18	42	30		Tremor
		NE	e		42	46		
	VIZIANAGRAM	N	e	18	45	00		Slight
15	SHILLONG	Z	eP	18	41	20		Slight, local distant
15	SHILLONG	Z	e	22	43	55		Slight, local
15	SHILLONG	Z	iP	23	29	06		Slight, distant Compression
16	SHILLONG	Z	ePg	00	08	55		Slight, near
			eSg		09	10		
16	SHILLONG	Z	e	00	11	52		Slight, near
			e		12	06		
16	SHILLONG	Z	e	01	45	09		Slight, distant
16	SHILLONG	Z	iP	02	52	44		
16	SHILLONG	Z	eP	04	56	23		Slight, distant
16	SHILLONG	Z	e	05	00	26		Slight, near
16	SHILLONG	Z	e	05	04	40		
			i		04	43		
			i		04	50		
			i		05	13		
16	SHILLONG	Z	eP	05	49	38		Slight, distant

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				November 1958				
16	SHILLONG	Z	e	06	23	39		Slight, near
16	SHILLONG	Z	iP	06	24	20		Slight, distant Compression
16	SHILLONG	Z	eP	14	22	16		Slight, distant
16	AGRA	Z	iP	18	04	29	8510	Slight,
			iS		14	15		dilatation
	BOMBAY	E	e	18	10	36		Very slight
			e		14	40		Surface waves
16	SHILLONG	Z	eP	18	12	29		Slight, near
			i		13	01		
16	SHILLONG	Z	eP	18	42	23		Slight, near
			i		43	17		
	CHATRA	Z	iP	18	43	12	970	Feeble
			iS		44	52		
16	SHILLONG	Z	iP	19	35	21		Slight, distant Compression
16	SHILLONG	Z	eP	20	28	32		Slight, distant
	CHATRA	Z	iP	20	28	51	2490	Slight
		E	iS		32	53		
	POONA	Z	iP	20	31	01		Tremor
16	SHILLONG	Z	iP	21	53	14		Slight, distant Rarefaction
	CHATRA	E	i	21	53	45		Slight, distant
	POONA	Z	iP	21	55	26		Tremor
16	SHILLONG	Z	iP	22	55	22		Slight, distant Rarefaction
16	SHILLONG	Z	eP	23	01	01		Slight, distant
17	SHILLONG	Z	iPg	00	09	10		Slight, near
			eSg		09	23		compression
17	SHILLONG	Z	e	06	00	35		Slight, near
			i		00	42		
	CHATRA	Z	eP	06	01	35	960	Feeble
			iS		03	14		
17	BOMBAY	N	e	07	30	11		Very slight
17	SHILLONG	Z	e	09	38	25		Slight, distant
17	SHILLONG	Z	iP	09	58	26		Slight, distant Compression
	CHATRA	Z	i	09	58	51		Feeble, distant
17	SHILLONG	Z	e	11	37	36		Slight, distant
17	SHILLONG	Z	iP	15	43	16		Slight, distant Compression
	CHATRA	Z	i	15	43	37		Feeble, distant
17	SHILLONG	Z	iP	16	23	31		Slight, distant Compression
17	SHILLONG	Z	eP	17	06	51		Slight, distant
17	SHILLONG	Z	e	18	57	42		Slight, distant
17	SHILLONG	Z	e	20	54	08		Slight, distant
17	KODAIKANAL	E	e?	20	58	11		Tremor
17	SHILLONG	Z	e	22	26	34		Tremor
17	SHILLONG	Z	eP	23	47	49		Slight, distant
18	CHATRA	Z	i	00	14	20		Slight, distant
	SHILLONG	Z	e	00	15	07		Slight, distant
18	SHILLONG	Z	e	00	38	14		Slight, distant
18	SHILLONG	Z	e	05	07	12		Slight, distant
18	SHILLONG	Z	eP	05	23	07		Slight, distant
18	SHILLONG	Z	iP	07	56	29		Slight, distant Compression
			i		57	18		
	CHATRA	Z	iP	07	55	43		Feeble
			i		57	43		
	AGRA	Z	iP	07	57	09		Slight, distant Compression
			i?		57	55		
			M		--	--		Per. ≈22 secs Amp. ≈0.4 mm
	BOMBAY	N	e	07	58	49		Feeble
		NE	e	08	08	32		
			e		09	18		
18	SHILLONG	Z	iP	08	06	06		Slight, distant compression
18	SHILLONG	Z	iP	08	07	40		Slight, distant compression
18	SHILLONG	Z	iP	08	10	57		Slight, distant compression
18	SHILLONG	Z	e	08	33	45		Tremor
18	CHATRA	Z	iP	14	21	22	230	Slight
		E	iS		21	49		
	SHILLONG	ZE	iP	14	21	28	330	Slight, rare-
		E	iS		22	05		faction. First
			Sg		22	22		movement East
	TOCKLAI	E	e	14	22	12		Slight, near
			i		23	03		
	BOMBAY	E	e	14	28	29		Feeble
		N	e		29	47		
		E	e		30	00		
18	SHILLONG	Z	e	15	06	13		Slight, distant
18	SHILLONG	Z	iP	15	30	57		Slight, near Compression
18	SHILLONG	Z	e	15	52	07		Slight, near
18	SHILLONG	Z	iP	16	18	35		Slight, distant Compression
18	SHILLONG	Z	eP	17	43	20		Slight
			i		44	00		
	CHATRA	Z	i	17	44	16		Feeble
18	SHILLONG	Z	eP	18	41	53		Slight, distant
18	SHILLONG	Z	eP	19	32	39		Slight, distant
18	SHILLONG	Z	eP	23	02	27		Slight, near
			i		03	02		
	CHATRA	Z	iP	23	03	16	770	Feeble
			iS		04	36		
19	SHILLONG	Z	e	00	35	10		Slight, distant
19	SHILLONG	Z	eP	01	08	07		Slight
		E	i		09	43		
			i		09	48		
	CHATRA	Z	iP	01	08	42		Slight
		E	i		09	08		
	TOCKLAI	E	e	01	10	16		Slight, near
19	DEHRA DUN	NE	e	01	53	44		Tremor
19	DEHRA DUN	NE	e	02	12	47		Tremor
19	SHILLONG	Z	e	03	16	46		Slight, distant
19	SHILLONG	Z	e	04	36	21		Slight, distant
19	SHILLONG	Z	iP	05	27	37		Slight, distant Compression
19	SHILLONG	Z	iP	05	35	14		Slight, distant Rarefaction

19 Epc: 44°N, 149°E. Kurile Islands - H = 09h 23m 45s GMT (U.S.C.G.S)

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
			November 1958					
19	SHILLON	Z	iPg	09	32	37		Slight, compression
		E	ePg					
Contd.		E	iPP		34	34		
			i		34	45		
	CHATRA	Z	iP	09	32	59		Slight
	DEHRA DUN	NE	e(P)	09	33	33		Feeble
			i(S)		41	21		
	AGRA	ZNE	iP	09	33	44	6450	Moderate, compression
		Z	i?		34	00		
			PcP		34	10		
		ZNE	iS		41	44		
			PS		41	58		
		Z	SS		45	36		
			M		58	16		Pdr. ≈18 secs Amp. ≈16 mm
	POONA	Z	iP	09	34	41		Feeble, storm type microseisms
			i		34	54		
	BOMBAY	NE	eP	09	34	44	7450	Slight
			eS		43	37		
		E	e		43	54		
			e		49	17		
19	SHILLONG	Z	e	13	38	03		Slight, near
19	SHILLONG	Z	iP	15	14	20		Slight, distant Rarefaction
	CHATRA	Z	i	15	14	30		Slight, distant
19	SHILLONG	Z	eP	17	12	58		Slight, near
19	SHILLONG	Z	e	17	36	25		Slight, distant
19	CHATRA	Z	i	18	44	39		Feeble, distant
	SHILLONG	Z	eP	18	44	54		Slight, distant
19	SHILLONG	Z	e	21	59	23		Slight, distant
19	SHILLONG	Z	eP	23	08	30		Slight, near
			i		08	42		
20	SHILLONG	Z	eP	02	57	21		Slight, near
			i		57	39		
20	SHILLONG	Z	iP	05	45	16		Slight, distant Compression
	CHATRA	Z	i	05	45	33		Slight, distant
20	SHILLONG	Z	iP	05	40	18		Slight, distant
			i		43	25		Compression
20	SHILLONG	Z	eP	05	54	32		Slight, distant
20	SHILLONG	Z	e	09	56	49		Slight, near
			i		57	23		
20	DEHRA DUN	NE	e	10	35	26		Tremor
	SHILLONG	Z	e	10	36	06		Slight, distant
20	SHILLONG	Z	iP	10	51	33		Slight, distant Compression
20	DEHRA DUN	NE	e	11	51	53		Tremor
	SHILLONG	Z	eP	11	53	33		Slight, distant
20	POONA	Z	eP	14	10	--		Tremor. Time uncertain due to storm type microseism
	SHILLONG	Z	eP	14	17	07		Slight, distant
20	Epc: 45°N, 149½°E. Kurile Islands. - h about 50 km - H = 14h 18m 04s							
	SHILLONG	Z	iP	14	26	52		Slight, compression
	CHATRA	Z	iP	14	27	17		Feeble
	DEHRA DUN	NE	eP	14	27	45		Feeble
			e(S)		35	36		
20	SHILLONG	Z	iP	17	50	07		Slight, distant Compression
20	SHILLONG	Z	iP	20	18	45		Slight, distant compression
20	SHILLONG	Z	iP	23	14	57		Slight, distant compression
21	SHILLONG	Z	e	03	50	06		Slight, near
21	CHATRA	Z	iP	05	01	53	2500	Slight
		E	iS		05	03		
	DEHRA DUN	NE	e	05	02	06		Feeble
			i		03	38		
	SHILLONG	Z	iP	05	04	33		Slight, distant Compression
21	SHILLONG	Z	eP	06	42	52		Slight, near
			i		43	21		
21	SHILLONG	Z	e	11	31	40		Slight, distant
21	PORT BLAIR	N	iPg	13	57	42	40	Slight
			iSg		57	47		
21	SHILLONG	Z	iP	15	30	23		Slight, distant Compression
21	SHILLONG	Z	e	20	41	39		Slight, near
21	CHATRA	Z	iP	23	34	39	3460	Slight
		E	iS		39	45		
	DEHRA DUN	NE	e	23	34	57		Feeble
			i		35	07		
			i		35	40		
	SHILLONG	Z	eP	23	37	29		Slight, distant
	POONA	Z	eP	23	38	49		Tremor. Time uncertain due to microseisms
	BOMBAY	E	e	23	39	35		Near, minor tremor.
22	Epc: 10½°S, 112½°E. South of Java - H =00h 04m 20s GMT (U.S.C.G.S)							
	PORT BLAIR	E	iP	00	09	54		Slight
	CHATRA	Z	iP	00	12	39		Slight
		E	i		17	03		
	COLOMBO	E	P	00	11	35		
			S		17	20		
			M		30	55		Amp. ≈0.5 mm
	TOCKLAI	E	eP	00	12	08		Slight
	SHILLONG	ZNE	iP	00	12	09	4710	Moderate,
		E	pP		12	31		rarefaction.
			PP		13	53		First movement
		NE	iS		18	19		East and South.
		E	PS		18	27		Depth ≈100 kms. ca
			PPP		18	35		
			sS		18	56		
			i		19	36		
	KODAIKANAL	E	e	00	12	11		Tremor
	POONA	Z	iP	00	13	02	5480	Slight, other
		E	eS		20	16		phases not clear
	BOMBAY	NE	eP	00	13	12	5450	Slight
			eS		20	16		
	AGRA	ZE	iP	00	13	19	5700	Moderate, dilatation. First movement East.
		ZNE	iS		20	38		
	DEHRA DUN	NE	eP	00	13	36		Feeble
			eS		20	58		
22	CHATRA	Z	iP	00	27	42	790	Slight
		E	iS		29	04		
22	SHILLONG	Z	eP	00	30	27		Slight, distant
22	SHILLONG	Z	iP	00	54	29		Slight, distant Rarefaction

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
22	BOMBAY	E	e	02 03 57		Slight, deep, phases not clear due to microseisms.
			e	07 35		
			e	09 44		
		NE	e	15 45		
	SHILLONG	E	e	02 05 46		Slight, near
	POONA	Z	iP	02 07 17		Very feeble
	DEHRA DUN	NE	e	02 07 22		Feeble
			i	15 39		
22	SHILLONG	Z	e	04 31 58		Slight, distant
22	SHILLONG	Z	iP	07 01 08		Slight, distant Rarefaction
22	SHILLONG	Z	e	11 55 28		Slight, near
22	SHILLONG	Z	eP	15 51 29		Slight, near
			e	51 42		
22	SHILLONG	Z	e	16 19 49		Slight, distant
22	SHILLONG	Z	e	19 42 01		Slight, distant
22	SHILLONG	Z	iP	22 53 43		Slight, distant Compression
23	SHILLONG	Z	eP	00 49 30		Slight, near
			i	49 44		
			i	50 19		
23	SHILLONG	Z	e	01 30 38		Tremor
23	SHILLONG	Z	eP	08 08 55		Slight, distant
23	SHILLONG	Z	e	11 37 45		Slight, distant
23	Epc: 29°N, 87°E. Southern Tibet H = 20h 15m 48s G.M.T. (U.S.C.G.S)					
	CHATRA	ZE	iP	20 16 29	270	Slight
			iS	17 00		
	BOKARO	NE	iP	20 17 04	840	Slight
		N	PPP	17 17		
			Lq	18 23		
			iS	18 32		
			SSS	18 56		
			M	19 25		
	SHILLONG	Z	iP	20 17 11		Slight, compression
		E	i	17 15		
			i	17 32		
			i	17 38		
			i	17 57		
			i	18 02		
			i	18 25		
			i	18 33		
	TOCKLAI	E	eP	20 17 38		Slight
			i	17 54		
			i	20 33		
			i	21 18		
			i	21 32		
	AGRA	ZNE	iP	20 17 50		Slight, compression
		ZE	i	18 24		
		ZN	i	18 56		First movement East
	DEHRA DUN	NE	eP	20 17 50		Slight, phases not clear
			iS	19 19		
			i	19 55		
	VIZIANAGRAM	N	eP	20 18 42		Slight
	MADRAS	E	eP	20 19 15	2280	Slight
			PP	19 44		
			eS	23 01		
			Lq	23 11		
			Lr	24 05		
			M	25 59		
	POONA	Z	eP	20 19 30		Slight
			eS	22 13		
		N	e	23 51		
			i	24 00		
			e	24 11		
			e	24 25		
			M	25 08		
	KODAIKANAL	E	eS	20 24 22		Tremor
23	CHATRA	Z	iP	20 20 48	200	Slight
		E	iS	21 12		
23	SHILLONG	Z	eP	22 30 54		Slight, distant
23	SHILLONG	Z	eP	23 49 03		Slight, distant
24	CHATRA	Z	i	07 08 31		Feeble, distant
24	SHILLONG	Z	iP	10 21 36		Slight, distant Rarefaction
24	SHILLONG	Z	e	10 43 03		Slight, distant
24	SHILLONG	Z	e	13 00 38		Slight, near
			e	00 47		
24	SHILLONG	Z	eP	16 41 40		Slight, near
			e	41 55		
24	SHILLONG	Z	e	16 45 29		Slight, near
			e	45 44		
24	SHILLONG	Z	iP	16 55 57		Slight, distant Rarefaction
24	SHILLONG	Z	iP	17 49 35		Slight, distant Compression
	CHATRA	Z	i	17 50 49		Feeble, distant
24	SHILLONG	Z	iP	20 34 54		Slight, distant Compression
24	SHILLONG	Z	e	21 05 16		Slight, near
25	Epc: 26½°N, 86½°E. North Bihar-Nepal border H = 04h 00m 15s GMT (Shillong) Felt at Chatra, Baraskhetra, Birpur, Kathmandu, Chapra.					
	CHATRA	ZE	iP	04 00 28	70	
		E	iS	00 38		
	SHILLONG	Z	iP	04 01 27	530	Slight
		E	Pg	01 48		
			i	01 59		
			S	02 24		
			Sg	02 52		
	AGRA	ZNE	eP	04 01 59		Slight, near First movement West
	POONA	Z	eP	04 03 27		Slight, strong microseisms
		E	e	07 33		
			e	08 04		
		N	e	08 39		
	MADRAS	E	eP	04 03 40		Slight
			e(S)	05 33		
			Lq	05 33		
			SS	05 51		
			Lr	07 14		
			M	08 38		
	BOMBAY	E	eP	04 03 48	1610	Feeble, phases doubtful due strong microseisms.
		NE	eS	06 30		
			e	07 42		
25	SHILLONG	Z	eP	05 04 30		Slight, near
			i	04 33		
			i	04 50		
			i	04 55		
25	SHILLONG	Z	iP	09 20 54		Slight, distant Compression
25	SHILLONG	Z	eP	12 03 13		Slight, distant
25	SHILLONG	Z	iP	13 22 29		Slight, distant Rarefaction
	CHATRA	Z	i	13 22 55		Feeble, distant
25	SHILLONG	Z	eP	16 11 25		Slight, distant
25	SHILLONG	Z	eP	17 43 21		Slight, local
			i	43 26		
25	SHILLONG	Z	iP	20 48 14		Slight, distant Rarefaction
25	SHILLONG	Z	e	23 21 48		Slight, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				November 1958		
26	SHILLONG	Z	iP	00 19 50		Slight, distant Compression
26	SHILLONG	Z	iP	00 24 58		Slight, distant Rarefaction
26	SHILLONG	Z	iP	09 22 29		Slight, distant Compression
26	KODAIKANAL	E	eP	10 57 14	2250	Slight, first
			eS	11 00 56		movement West.
			M	04 02		Per. =0.8 secs
						μ =2.4
	POONA	Z	eP	10 58 14		Tremor
	BOMBAY	N	e	10 58 15		Feeble phases lost in micro-seisms
	HYDERABAD	N	eP	10 58 26	2410	Slight
			iS	11 02 22		
			M	05 50		Per. = 8 secs
						μ = 3
	SHILLONG	Z	eP	11 00 46		Slight, distant
	COLOMBO	E	L	11 01 00		
			M	02 35		Amp. =0.7 mm
	MADRAS	E	e	11 03 18		
26	SHILLONG	Z	eP	11 39 32		Slight, distant
26	SHILLONG	Z	iP	14 30 26		Slight, distant Compression
26	CHATRA	Z	i	20 45 38		Feeble, near
26	CHATRA	Z	i	22 15 08		Feeble, distant
26	SHILLONG	Z	e	22 33 35		Slight, distant
27	SHILLONG	Z	e	05 08 00		Slight, near
			e	08 41		
27	CHATRA	Z	iP	05 28 32	770	Slight
		E	iS	29 52		
	SHILLONG	Z	e	05 29 19		Slight, distant
	DEHRA DUN	NE	e	05 29 48		
27	SHILLONG	Z	e	05 59 14		Slihgt, distant
27	SHILLONG	Z	e	07 22 51		Slight, near
			e	23 08		
27	SHILLONG	Z	iP	15 02 27		Slight, distant Compression
27	POONA	Z	eP	15 18 22		Tremor
	SHILLONG	Z	e	15 18 42		Slight, distant
27	SHILLONG	Z	eP	15 42 41		Slight, near
			e	43 58		
27	SHILLONG	Z	e	16 30 07		Slight, local
			e	30 16		
27	SHILLONG	Z	iP	16 54 05		Slight, distant compression
27	SHILLONG	Z	iP	17 58 59		Slight, distant Compression
27	SHILLONG	Z	e	18 23 27		Tremor
27	SHILLONG	Z	e	19 42 08		Slight, distant
28	SHILLONG	Z	e	05 20 42		Slight, distant
28	SHILLONG	Z	iP	08 07 04		Slight, near Compression
28	SHILLONG	Z	iP	09 43 10		Slight, distant Compression
28	DEHRA DUN	NE	e	13 05 28		Feeble
			e	05 58		
	CHATRA	Z	iP	13 07 45	1280	Slight
		E	iS	09 56		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
28 Contd.	SHILLONG	Z	eP	13 08 35		Slight, distant
	POONA	Z	eP	13 11 43		Tremor
	BOMBAY	E	e	13 11 57		Slight, near
			e	12 17		
		NE	e	13 28		
28	CHATRA	Z	iP	19 53 12	270	Slight
		ZE	iS	53 43		
	SHILLONG	Z	eP	19 54 02		Slight, distant
29	SHILLONG	Z	eP	03 43 42		Slight, distant
29	SHILLONG	Z	e	05 00 33		Slight, distant
29	SHILLONG	Z	e	06 20 31		Slight, near
29	SHILLONG	Z	eP	06 49 34		Slight, distant
29	SHILLONG	Z	e	08 07 04		Slight, near
29	SHILLONG	Z	eP	11 46 54		Slight, distant
29	SHILLONG	Z	e	12 15 17		Slight, distant
29	SHILLONG	Z	iP	16 25 47		Slight, distant Compression
29	SHILLONG	Z	ePg	18 10 39		Slight locally felt
			i	10 41		
	CHATRA	Z	iP	19 32 55	1090	Feeble
			iS	33 47		
29	SHILLONG	Z	iP	20 13 39	1090	Feeble
			iS	33 47		
29	SHILLONG	Z	iP	21 22 21		Slight, distant Compression
30	Epc: 32°N, 137½°E, South of Honshu, Japan H =01h 32m 41s GMT (U.S.C.G.S) Mag: 6 (Pasadena)					
	SHILLONG	Z	ePg	01 40 56	4810	Moderate, first
		E	iPg			first move-
		NE	iS	47 24		ment East
		N	MN	02 02 20		Per. =15 secs
						μ =50
	CHATRA	Z	i	01 41 26		Slight
	PORT BLAIR	E	iP	01 41 41	5450	Slight
			PcP	43 01		
			PP	43 27		
			PPP	44 27		
			iS	48 45		
			ScS	51 39		
	AGRA	ZNE	iP	01 42 14	6090	Moderate, dila-
		E	i?	42 25		tation. First
		Z	PP	44 20		movement North
			PPP	45 41		and East.
		ZNE	iS	49 54		
		Z	PS	50 08		
	DEHRA DUN	NE	eP	01 42 15	5920	Slight, other
			iS	49 46		phases not clear
	POONA	Z	iP	01 43 10	6910	Moderate
			PP	45 21		
		ZN	iS	51 35		
		N	PS	51 49		
			PPS	52 01		
	COLOMBO	E	P	01 43 15		
			S	51 45		
			M	02 15 20		Amp. =0.6 mm
	BOMBAY	NE	eP	01 43 16	7000	Slight
		E	PPP	47 15		
			PcS	47 55		
		N	eSg	51 46		
		E	iSg			
		E	PS	52 02		
			PPS	52 24		
			e	53 13		
			SS	55 34		
			SSS	58 14		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					November 1958			
30 Contd	KODAIKANAL	E	eP	01	43	18		Tremor
			i	02	45	39		
30	Epc: 32°N, 137½°E. Honshu aftershock - H = 01h 55m 28s GMT (U.S.C.G.S)							
	SHILLONG	Z	eP	02	03	43		Slight
	POONA	Z	iP	02	05	57		Tremor
30	SHILLONG	Z	iPg	06	50	30	110	Slight, rarefaction
			iSg		50	42		
30	CHATRA	Z	iPg	07	14	34	110	Feeble
			iSg		14	49		
39	CHATRA	Z	iPg	07	15	11	110	Feeble
			iSg		15	26		
30	SHILLONG	Z	iP	09	42	27		Slight distant Compression
	CHATRA	Z	i	09	42	48		Slight distant
	DEHRA DUN	NE	e	09	43	43		Feeble
		E	e		47	29		
	AGRA	Z	iPg	09	43	53	2460	Feeble, compression
		NE	eP					
		ZNE	iS		47	54		
30	CHATRA	Z	iP	18	20	54	590	Feeble
			iS		21	56		
30	CHATRA	Z	iP	21	27	48	170	Feeble
			iS		28	09		

Earthquake Reports

(Non Instrumental Reports)

The following is the list of Earthquakes that were reported by Voluntary Observers from different stations during the month of November, 1958.

Place at which felt	Date GMT	Time at which felt h.	m.	Duration in secs.	Intensity in R F Scale	No. of shocks	Remarks
ANGUL	01	15	15	60	V	One	
SHILLONG	02	09	39	5	IV	One	
PORT BLAIR	08	19	35	2	IV	One	From SW to NE
UPPER SHILLONG	13	17	03	2	IV	One	
KATHMANDU	25	04	02	3	V	One	From E to W
CHAPRA	25	04	10	15	IV	One	
PATNA	25	04	02	1	III	One	
SHILLONG	29	18	05	6	IV	One	

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MICROSEISMIC TABULATION

Station: SHILLONG Component: E-W November 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	1	0.65	6.0
	12	1	0.36	5.0
	18	-	-	-
02	00	1	0.30	4.8
	06	1	0.30	6.5
	12	1	0.36	5.5
	18	1	0.42	7.0
03	00	1	0.36	6.5
	06	1	0.36	6.0
	12	1	0.30	6.0
	18	1	0.28	5.5
04	00	1	0.24	5.0
	01	1	0.30	5.2
	02	1	0.30	5.0
	03	1	0.30	5.0
	04	-	-	-
	05	1	0.30	5.0
	06	1	0.30	4.5
	07	1	0.30	5.0
	08	1	0.36	4.8
	09	1	0.35	5.0
	10	1	0.36	5.2
	11	-	-	-
	12	-	-	-
	13	1	0.30	5.0
	14	1	0.30	5.0
	15	-	-	-
	16	00	-	-
	17	00	-	-
	18	00	-	-
	19	00	-	-
	20	00	-	-
	21	00	-	-
	22	00	-	-
	23	00	-	-
05	00	-	-	-
	06	00	-	-
	12	00	-	-
	18	00	-	-
06	00	1	0.24	4.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
07	00	-	-	-
	03	-	-	-
	06	1	0.54	5.0
	09	1	0.82	4.5
	12	1	0.90	4.5
	15	1	0.95	4.5
	18	1	1.00	5.0
	21	1	1.00	4.8
08	00	1	1.00	5.0
	03	1	0.80	4.5
	06	1	0.90	4.8
	09	1	0.92	5.0
	12	-	-	-
	15	1	0.60	4.7
	18	1	0.50	5.5
	21	1	0.40	5.0
09	00	1	0.30	5.0
	06	1	0.30	5.0
	12	1	0.30	5.0
	18	1	0.36	5.0
10	00	00	-	-
	01	00	-	-
	02	00	-	-
	03	1	0.24	4.8
	04	00	-	-
	05	00	-	-
	06	00	-	-
	07	00	-	-
	08	00	-	-
	09	00	-	-
	10	00	-	-
	11	00	-	-
	12	00	-	-
10 Contd.	13	00	-	-
	14	00	-	-
	15	00	-	-
	16	00	-	-
	17	00	-	-
	18	00	-	-
	19	00	-	-
	20	00	-	-
	21	00	-	-
	22	00	-	-
	23	00	-	-
11	00	00	-	-
	01	00	-	-
	02	00	-	-
	03	00	-	-
	04	00	-	-
	05	00	-	-
	06	00	-	-
	07	00	-	-
	08	00	-	-
	09	00	-	-
	10	00	-	-
	11	00	-	-
	12	00	-	-
	12	1	0.18	5.5
	18	1	0.30	5.0
13	00	-	-	-
	06	-	-	-
	12	00	-	-
	18	-	-	-
14	00	1	0.14	5.2
	06	-	-	-
	12	00	-	-
	18	00	-	-
15	00	00	-	-
	06	-	-	-
	12	00	-	-
	18	00	-	-
16	00	1	0.18	5.0
	06	1	0.24	5.0
	12	1	0.20	5.0
	18	-	-	-
17	00	00	-	-
	06	-	-	-
	12	1	0.18	5.0
	18	-	-	-
18	00	1	0.30	5.0
	01	00	-	-
	02	00	-	-
	03	00	-	-
	04	1	0.18	5.0
	05	00	-	-
	06	00	-	-
	07	00	-	-
	08	-	-	-
	09	00	-	-
	10	00	-	-
	11	-	-	-
	12	1	0.18	5.0
	13	1	0.18	5.0
	14	00	-	-
	15	00	-	-
	16	00	-	-
	17	00	-	-
	18	00	-	-
18 Contd.	19	00	-	-
	20	00	-	-
	21	00	-	-
	22	00	-	-
	23	00	-	-
19	00	00	-	-
	06	1	0.24	5.0
	12	1	0.30	4.5
	18	1	0.24	5.0
20	00	1	0.30	5.0
	06	-	-	-
	12	1	0.60	5.0
	18	1	0.50	5.2
21	00	1	0.36	4.8
	06	1	0.36	5.0
	12	1	0.40	5.2
	18	1	0.36	5.0
22	00	-	-	-
	06	00	-	-
	12	00	-	-
	18	1	0.18	5.0
23	00	1	0.18	5.0
	06	-	-	-
	12	1	0.20	5.0
	18	1	0.18	5.0
24	00	-	-	-
	06	1	0.48	5.0
	12	1	0.30	5.2
	18	1	0.20	5.2
25	00	-	-	-
	06	1	0.30	5.0
	12	-	-	-
	18	-	-	-
26	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.24	5.0
27	00	-	-	-
	06	-	-	-
	12	1	0.18	4.5
	18	1	0.18	5.0
28	00	1	0.16	5.0
	06	-	-	-
	12	1	0.18	4.5
	18	1	0.30	5.5
29	00	1	0.36	5.0
	06	1	0.28	5.0
	12	1	0.30	5.0
	18	1	0.30	5.0
30	00	1	0.30	5.0
	06	1	0.30	4.5
	12	1	0.30	4.5
	18	1	0.48	5.5

Station: PORT BLAIR

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	3	3.00	2.0
	06	-	-	-
	12	3	8.00	2.1
	18	3	9.00	2.1
02	00	-	-	-
	06	1	1.10	2.3
	12	1	1.10	2.3
	18	1	1.20	2.4
03	00	1	1.10	2.4
	06	1	1.10	2.4
	12	1	1.10	2.4
	18	1	1.00	2.4
04	00	-	-	-
	01	-	-	-
04 Contd.	02	-	-	-
	03	1	1.30	2.4
	04	1	1.30	2.4
	05	1	1.20	2.4
	06	1	1.40	2.3
	07	1	1.40	2.3
	08	1	1.30	2.3
	09	-	-	-
	10	1	1.20	2.3
	11	1	1.20	2.3
	12	1	1.30	2.3
	13	1	1.30	2.3
	14	1	1.30	2.3
	15	1	1.30	2.3
	16	1	1.30	2.3
	17	1	1.40	2.3
	18	1	1.50	2.3
	19	1	1.50	2.4
	20	1	1.50	2.4
	21	1	1.50	2.4
	21	1	1.50	2.4
	22	1	1.50	2.4
	23	1	1.60	2.4
05	00	1	1.60	2.6
	03	1	1.70	2.6
	06	1	2.00	2.6
	09	1	2.10	2.6
	12	1	2.40	2.9
	15	1	2.50	2.9
	18	1	3.00	2.9
	21	1	3.20	2.9
06	00	1	3.10	2.9
	03	1	2.30	2.9
	06	1	2.30	2.8
	09	1	2.50	2.8
	12	1	2.70	2.9
	15	1	2.50	2.9
	18	1	2.50	2.8
	21	-	-	-

07 and 08 continuous disturbance. No measure due to overlaping of amplitudes of very high order.

09	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	2	4.10	4.2
	15	2	4.60	4.2
	18	2	4.60	4.2
	21	2	4.20	4.2
10	00	1	3.50	4.1
	01	1	3.50	4.2
	02	1	3.20	4.2
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	1	1.50	3.7
	11	1	1.40	3.6
	12	1	1.20	3.0
	13	1	1.20	3.1
	14	1	1.20	3.1
	15	1	1.10	3.1
	16	1	1.10	3.1
	17	1	1.10	3.1
	18	1	1.10	311
	19	1	1.00	3.1
	20	1	1.00	3.1
	21	1	1.00	3.1
	22	1	1.00	3.1
	23	1	1.00	3.1
11	00	1	0.90	3.1
	01	1	0.90	3.1
	02	1	0.90	3.1
	03	-	-	-
	04	-	-	-

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: PORT BLAIR Comp.				
11	05	-	-	-
Contd.	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	1	1.00	3.1
	10	1	1.00	3.1
	11	1	0.90	2.5
	12	1	0.80	2.5
	13	1	0.80	2.5
	14	1	0.70	2.5
	15	1	0.50	2.4
	16	1	0.50	2.4
	17	1	0.50	2.4
	18	1	0.70	2.6
	19	1	0.80	2.6
	20	1	0.70	2.6
	21	1	0.60	2.6
	22	1	0.60	2.6
	23	1	0.50	2.1
12	00	1	5.00	2.4
	06	-	-	-
	12	3	0.40	2.2
	18	2	0.40	2.2
13	00	-	-	-
	06	-	-	-
	12	3	0.40	2.2
	18	3	0.40	2.0
14	00	3	0.40	2.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
16	00	-	-	-
	06	-	-	-
	12	2	1.00	3.0
	15	2	1.00	3.1
	18	2	1.70	3.0
	21	2	1.70	3.0
17	00	2	1.90	3.0
	03	2	2.00	3.0
	06	2	2.10	3.0
	09	2	2.30	3.0
	12	2	2.50	3.0
	15	2	2.60	3.0
	18	2	2.60	3.1
	21	2	2.60	3.0
18	00	2	3.60	3.1
	01	2	3.60	3.1
	02	2	3.70	3.0
	03	2	3.70	3.0
	04	2	3.80	3.0
	05	2	3.80	3.0
	06	2	3.90	3.0
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
19 to 21 Strong continuous disturbance no measure possible due over laping of amplitudes of very high order.				
22	00	-	-	-
	06	3	1.30	3.8
	12	3	1.10	3.0
	18	3	1.10	3.1

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
23	00	3	0.90	3.1
	06	3	0.90	3.1
	12	0,0		
	18	0,0		
24	00	0,0		
	06	0,0		
	12	0,0		
	18	0,0		
25	00	0,0		
	06	0,0		
	12	0,0		
	18	0,0		
26	00	0,0		
	06	0,0		
	12	0,0		
	18	0,0		
27	00	0,0		
	06	3	1.00	7.0
	12	3	0.10	2.0
	18	3	0.10	2.0
28	00	3	0.10	2.0
	06	3	0.90	8.0
		3	1.00	2.0
	12	3	0.70	8.0
		3	0.10	2.0
	18	3	1.30	8.0
		3	0.20	2.0
29	00	3	0.70	8.0
		3	0.20	2.0
	06	3	1.00	8.0
		3	0.20	2.0
	12	3	0.20	2.0
	18	3	0.20	2.0
30	00	3	0.20	2.0
	06	3	0.20	2.0
	12	3	0.30	2.0
	18	3	0.30	2.0
Station: BOMBAY Compt: E.W.				
01	00	(2)	0.5	4.1
	06	(2)	0.5	4.1
	12	(2)	0.5	3.8
	12	(2)	0.5	3.8
02	00	2	0.5	3.7
	06	2	0.5	3.9
	12	2	0.5	3.9
	18	2	0.6	3.8
03	00	2	0.6	3.5
	06	2	0.5	4.1
	12	2	0.5	4.0
	18	2	0.5	4.0
04	00	(2)	0.5	4.3
	01	2	0.7	4.3
	02	2	0.6	3.9
	03	2	0.7	4.5
	04	2	0.7	4.0
	05	2	0.5	4.5
	06	2	0.6	4.2
	07	2	0.7	4.1
	08	2	0.7	4.4
	09	-	-	-
	10	2	0.7	4.4
	11	2	0.6	4.4
	12	2	0.7	4.2
	13	2	0.7	4.1
	14	2	0.7	4.3
	15	2	0.7	4.2
	16	2	0.7	4.2
	17	2	0.7	4.4
	18	2	0.7	4.1
	19	2	0.7	4.0
	20	2	0.7	4.0
	21	2	0.7	4.1
	22	2	0.7	4.0
	23	2	0.7	4.1
05	00	2	0.7	4.2
	06	2	0.7	4.4
	12	2	0.9	3.9

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY Compt.: E.W.				
05	18	(1)	0.7	3.9
Contd.	21	(1)	0.9	3.5
06	00	1	0.9	4.0
	03	1	0.9	4.0
	06	1	0.9	3.9
	09	1	0.9	4.0
	12	1	0.9	4.1
	15	1	1.0	4.0
	18	1	1.0	3.9
	21	1	1.1	4.5
07	00	-	-	-
	03	-	-	-
	06	1	1.3	4.2
	09	1	1.3	4.5
	12	1	1.5	4.4
	18	1	1.7	4.7
08	00	1	1.5	4.5
	03	1	1.3	4.6
	06	1	1.1	4.7
	09	1	1.2	4.7
	12	1	1.3	4.3
	15	1	1.1	4.6
	21	1	1.1	4.7
09	00	-	-	-
	03	-	-	-
	06	1	0.9	4.9
	09	1	0.9	4.8
	12	1	0.9	4.8
	15	1	0.9	4.8
	18	1	0.7	4.5
	21	1	0.7	4.5
10	00	1	0.7	4.5
	01	1	0.8	4.7
	02	1	0.7	4.8
	03	1	0.9	4.3
	04	1	0.7	4.7
	05	1	0.7	4.6
	06	1	0.7	4.8
	07	1	0.7	4.8
	08	1	0.7	4.7
	09	1	0.7	4.7
	10	1	0.7	4.7
	11	1	0.7	4.7
	12	1	0.7	4.4
	13	2	0.7	4.5
	14	2	0.7	4.6
	15	2	0.6	4.6
	16	2	0.7	4.7
	17	2	0.7	4.6
	18	2	0.6	4.3
	19	2	0.5	4.3
	20	2	0.7	4.0
	21	2	0.5	4.5
	22	2	0.7	4.6
	23	2	0.6	4.6
11	00	2	0.6	4.3
	01	2	0.6	4.6
	02	2	0.5	4.2
	03	2	0.5	4.2
	04	2	0.6	4.4
	05	2	0.7	4.4
	06	2	0.5	4.1
	07	2	0.5	4.2
	08	2	0.5	4.2
	09	2	0.5	4.1
	10	2	0.5	4.3
	11	2	0.5	4.4
	12	2	0.5	4.1
	13	2	0.5	4.0
	14	2	0.5	4.0
	15	2	0.5	4.0
	16	2	0.5	4.0
	17	2	0.5	4.0
	18	-	-	-
	19	3	0.5	4.1
			0.5	1.8
	20	3	00.5	3.9
			0.5	1.7
	21	3	0.5	4.0
			0.4	1.8
	22	3	0.5	4.2
			0.4	1.8
	23	3	0.5	3.9
			0.4	1.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
12	00	3	0.5	4.0
			0.4	1.8
	06	2	0.5	3.9
	12	2	0.7	3.9
	18	2	0.7	3.7
13	00	2	0.7	4.0
	06	2	0.7	4.0
	12	2	0.7	3.9
	18	2	0.7	3.9
14	00	2	0.7	3.8
	06	-	-	-
	12	2	0.6	4.0
	18	2	0.6	3.8
15	00	2	0.6	3.5
	06	2	0.7	3.3
	12	2	0.7	3.2
	18	2	0.6	3.5
16	00	2	0.6	3.7
	06	2	0.7	3.7
	12	2	0.7	3.4
	18	2	0.5	3.4
17	00	2	0.7	3.7
	06	2	0.7	3.7
	12	2	0.7	3.7
	18	2	0.7	3.5
18	00	2	0.5	3.4
	01	2	0.6	3.4
	02	2	0.7	3.2
	03	2	0.6	3.4
	04	2	0.7	3.6
	05	2	0.7	3.6
	06	2	0.7	3.6
	07	2	0.7	3.6
	08	2	0.7	3.7
	09	2	0.7	3.6
	10	2	0.7	3.5
	11	2	0.7	3.8
	12	2	0.7	3.7
	13	2	0.7	3.4
	14	2	0.7	3.4
	15	2	0.7	3.5
	16	2	0.7	3.6
	17	2	0.7	3.6
	18	2	0.7	3.5
	19	2	0.6	3.2
	20	2	0.7	3.4
	21	2	0.5	3.4
	22	2	0.6	3.4
	23	2	0.7	3.5
19	00	-	-	-
	03	-	-	-
	06	1	0.7	3.2
	09	1	0.8	3.5
	12	1	0.7	3.3
	15	1	1.1	3.6
	18	1	1.1	3.7
	21	1	1.3	3.6
20	00	1	1.4	3.5
	03	1	1.8	3.6
	06	1	1.9	3.8
	09	1	2.3	3.9
	12	1	2.5	4.0
	15	1	2.9	3.7
	18	1	2.5	3.9
	21	1	2.9	3.9
21	00	1	2.0	2.7
	03	1	2.1	3.7
	06	1	1.9	3.5
	09	1	1.7	3.5
	12	1	1.5	3.6
	15	1	1.5	3.4
	18	1	1.5	3.4
	21	1	1.5	3.1
22	00	1	1.1	3.0
	03	1	1.5	3.2
	06	1	1.1	3.0
	09	1	1.2	3.3
	12	1	0.9	3.2
	15	1	0.8	3.2

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DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY Compt: E.W.				
22	18	1	1.1	3.0
Contd.	21	1	1.0	3.0
23	00	1	0.9	3.3
	03	1	0.9	3.2
	06	1	0.9	3.5
	09	1	0.8	3.3
	12	1	0.9	3.4
	15	1	0.8	3.4
	18	1	0.9	3.2
	21	1	0.9	3.3
24	00	-	-	-
	03	1	1.0	3.2
	06	1	1.1	2.9
	09	1	1.1	3.3
	12	1	1.2	3.1
	15	1	2.4	3.3
	18	1	2.9	3.1
	21	1	2.9	3.2
25	00	1	2.3	3.1
	03	1	1.9	3.2
	06	1	1.5	3.1
	09	1	1.5	3.2
	12	1	1.7	3.3
	15	1	1.8	3.2
	18	1	2.0	3.4
	21	1	1.7	4.0
25	00	1	1.5	3.4
	03	1	1.7	3.5
	06	1	1.5	3.6
	09	1	1.4	3.7
	12	1	1.3	3.7
	15	1	1.3	3.5
	18	1	1.3	3.7
	21	1	1.4	3.5
27	00	1	1.1	3.9
	03	1	1.3	3.3
	06	1	1.1	3.5
	09	1	1.1	3.7
	12	1	0.9	3.8
	15	1	0.9	3.8
	18	1	1.1	3.7
	21	1	1.1	3.7
28	00	1	0.9	3.5
	03	1	0.9	3.9
	06	1	0.8	3.7
	09	1	0.9	3.5
	12	1	0.8	3.4
	15	1	0.8	3.5
	18	1	0.8	3.5
	21	1	0.9	3.3
29	00	1	0.7	3.1
	03	1	0.6	3.3
	06	1	0.5	3.4
	12	3	0.7	3.3
			0.3	1.8
	18	3	0.5	3.8
			0.3	2.0
30	00	3	0.5	3.5
			0.3	2.0
	06	3	0.6	4.1
			0.3	2.0
	12	3	0.3	4.0
			0.2	2.0
		2	0.5	4.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: MADRAS November 1958 Compt.: E.W.				
01	00	1	0.5	2.8
	03	1	0.5	2.9
	06	1	0.4	2.9
	12	1	0.4	2.9
	18	1	0.4	2.9
02	00	1	0.5	3.2
	03	1	0.5	3.0
	06	1	0.5	3.6
	12	1	0.5	3.4
	18	1	0.5	3.3
03	00	1	0.5	3.2
	03	1	0.5	3.3
	06	1	0.4	3.3
	12	1	0.5	3.1
	18	1	0.4	3.4
04	00	1	0.5	3.5
	01	1	0.5	3.7
	02	1	0.8	3.8
	03	1	0.7	3.9
	04	1	0.47	3.9
	05	1	0.9	4.0
	06	1	0.8	3.9
	07	1	0.9	4.0
	08	1	0.9	4.1
	09	1	0.7	3.9
	10	1	0.9	4.1
	11	1	0.8	4.0
	12	1	0.9	4.0
	13	1	0.9	4.0
	14	1	0.9	3.9
	15	1	0.9	3.9
	16	1	0.9	3.9
	17	1	0.9	3.9
	18	1	1.0	4.1
	19	1	0.9	3.8
	20	1	0.8	3.8
	21	1	0.8	3.7
	22	1	0.8	3.9
	23	1	0.8	3.7
05	00	1	0.8	3.6
	03	1	1.0	3.8
	05	1	1.1	3.9
	12	1	1.2	3.4
	18	1	1.1	3.5
	21	1	1.1	3.5
05	00	1	1.1	3.3
	03	1	1.1	3.7
	06	1	1.2	3.5
	09	1	1.3	3.9
	12	1	1.3	3.9
	15	1	1.4	3.9
	18	1	1.4	3.8
	21	1	1.3	4.1
07	00	-	Earthquake	
	03	-	-do-	
	06	1	1.8	4.2
	09	1	1.9	4.3
	12	1	1.9	4.3
	18	1	1.9	4.5
	21	1	1.7	4.3
08	00	1	1.5	4.3
	03	1	1.7	4.5
	06	1	1.5	4.5
	09	1	1.5	4.4

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
08	12	1	1.5	4.6
Contd.	15	1	1.5	4.5
	18	1	1.4	4.7
	21	1	1.4	4.5
09	00	1	1.3	4.3
	03	1	1.3	4.5
	06	1	1.3	4.6
	12	1	1.3	4.6
	18	1	1.0	4.7
10	00	1	0.9	4.5
	03	1	0.8	4.7
	06	1	0.8	4.5
	12	1	0.8	4.5
	18	1	0.7	4.4
11	00	3	0.5	4.4
	03	3	0.5	4.3
	06	3	0.4	4.1
	12	3	0.3	4.0
	18	3	0.3	3.7
12	00	3	0.3	3.5
	03	3	0.3	3.4
	06	3	0.3	3.3
	12	3	0.3	3.3
	18	3	0.3	3.4
13	00	3	0.2	3.2
	03	3	0.3	3.1
	06	3	0.3	3.2
	12	3	0.3	3.4
	18	3	0.4	4.1
14	00	3	0.3	3.8
	03	3	0.4	4.0
		3	0.3	2.5
	06	3	0.3	2.7
	12	3	0.2	2.8
	18	3	0.3	2.8
15	00	3	0.3	2.7
	03	3	0.3	2.5
	06	3	0.3	2.6
	12	3	0.3	2.6
	18	3	0.3	2.8
16	00	3	0.4	2.7
	03	3	0.5	2.9
	06	3	0.4	2.9
	12	3	0.4	3.0
	18	3	0.3	3.0
17	00	3	0.4	3.0
	03	3	0.4	3.4
	06	3	0.4	3.4
	12	3	0.3	3.2
	18	3	0.4	3.2
18	00	-	No record	
	03	3	0.4	2.9
	06	1	0.4	3.2
	09	1	0.4	3.0
	12	1	0.4	2.9
	15	1	0.4	2.8
	18	1	0.5	2.8
	21	1	0.5	3.0
19	00	1	0.5	2.9
	03	1	0.5	2.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: MADRAS				
19	06	1	0.7	3.0
Contd.	09	1	0.8	3.1
	12	1	1.0	3.4
	15	1	1.2	3.5
	18	1	1.4	3.5
	21	1	1.5	3.7
20	00	1	1.9	4.1
	03	1	2.5	4.1
	06	1	3.5	4.2
	09	1	4.7	4.3
	12	1	5.5	4.3
	15	1	6.3	4.4
	18	1	7.1	4.4
	21	1	7.3	4.3
21	00	1	5.8	4.3
	03	1	5.3	4.2
	06	1	4.7	4.2
	09	1	3.4	3.9
	12	1	2.6	3.9
	15	1	1.8	3.4
	18	1	1.7	3.3
	21	1	1.5	3.2
22	00	1	1.3	3.0
	03		No record	
	06	1	1.2	3.0
	12	1	1.0	2.9
	18	1	0.8	2.9
23	00	1	0.6	2.8
	03	-	No record	
	05	1	0.7	2.9
	12	1	0.6	2.9
	18	1	0.7	2.9
24	00	1	0.7	2.9
	03	-	No record	
	06	1	0.8	2.9
	12	1	0.7	3.0
	18	1	0.6	3.1
25	00	1	0.5	3.1
	03	1	0.5	3.2
	06	3	0.5	3.1
	12	3	0.5	3.3
	18	3	0.5	3.5
25	00	3	0.4	3.5
	03	3	0.4	3.5
	06	3	0.3	3.7
	12	3	0.3	3.8
	18	3	0.3	3.8
27	00	3	0.3	3.9
	03	3	0.4	4.2
	06	3	0.4	4.2
	12	3	0.4	4.1
	18	3	0.4	4.0
28	00	3	0.3	4.0
	03	to		
	18	Irregular		
29	00 to 18	Irregular		
30	00 to 18	Irregular		

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Station: HOWRAH Compt: Vertical November 1958

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	to 02		No record	
03	00		-	-
	06		-	-
	12		-	-
	18		1.1	2.3
04	00		1.6	2.5
	06		2.4	2.4
	12		-	-
	16		1.1	2.5
	17		1.1	2.6
	18		1.2	2.0
	19		1.5	2.5
	20		1.5	2.9
	21		1.1	2.1
	22		1.4	2.4
	23		1.3	2.4
05	00		1.5	2.5
	06		-	-
	12		-	-
	18		1.4	2.3
06	00		2.9	2.4
	06		2.8	2.5
	12		2.5	2.3
	18		2.2	2.3
07	00		-	-
	03		-	-
	06		2.6	2.3
			3.7	3.3
	12		2.8	3.0
			4.0	4.0
	15		3.8	4.2
	18		4.8	4.3
	21		4.1	4.5
08	00		4.2	4.3
	03		3.9	4.2
	06		3.5	3.9
	09		2.5	3.3
	12		3.0	3.3
	15		3.3	4.2
			2.1	2.8
	21		2.1	4.0
09	00		1.9	3.6
			2.0	5.0
	06		-	-
	12		1.7	3.4
	18		2.4	3.5
10	00		1.4	3.3
	03		1.8	2.5
	04		1.4	2.4
	05		1.7	2.8
	07		1.5	2.8
	08		1.9	2.7
	12		1.5	2.7
	13		1.5	2.8
	14		1.2	2.8
	15		1.4	2.7
	16		1.1	2.6
	17		1.3	2.9
	18		1.1	3.1
	19		1.3	2.8
	20		1.4	2.9
	21		1.4	3.0
	22		1.2	2.8
	23		1.1	3.0
11	00		1.0	3.0
	06		-	-
	12		-	-
	14		1.1	2.6
	15		0.8	2.7
	16		1.0	2.8
	17		0.8	2.6
	19		0.7	2.5
	20		0.7	2.6
	21		0.6	2.5
	22		0.5	2.4
	23		0.5	2.4
12	to 15		No record.	
16	00		-	-
	06		-	-
	12		-	-
	18		0.9	4.2
17	No record			
18	00		-	-
	06		-	-
	12		-	-
	18		0.9	3.5
	19		1.1	3.8
	20		1.1	3.7
	21		0.9	3.6
	22		0.9	3.7
	23		0.9	3.6
19	00		1.0	3.6
	06		-	-
	12		-	-
	18		1.5	4.0
20	00		1.4	3.8
	06		-	-
	12		-	-
	18		-	-
21	00		-	-
	06		-	-
	12		-	-
	18		1.7	3.9
22	00		1.4	3.5
	06		-	-
	12		-	-
	18		1.4	3.8
23	00		1.9	3.5
	06		-	-
	12		-	-
	18		1.5	4.0
24	00		1.2	3.6
	06		-	-
	12		-	-
	18		1.3	3.5
25	00		1.7	3.7
	06		-	-
	12		-	-
	18		-	-
Compt.: E W.				
01	No record.			
02	00		1.7	4.8
	06		-	-
	12		-	-
	18		1.6	4.2
03	00		2.1	4.1
	06		-	-
	12		-	-
	18		1.2	3.9
04	00		0.8	3.5
	06		-	-
	12		-	-
	17		1.0	3.5
	18		1.3	3.6
	19		1.4	3.7
	20		1.3	3.6
	21		1.3	3.7
	22		1.4	3.8
	23		1.5	3.9
05	00		1.3	3.9
	06		-	-
	12		-	-
	18		2.5	3.8
06	00		3.1	3.9
	05		3.4	3.0
	12		3.6	3.1
	18	3	3.8	3.8
			3.9	2.8
07	00		-	-
	03		-	-
	06	3	5.0	3.9
			4.5	3.0
	09		5.1	4.2
	12		5.4	4.1
	15		7.5	4.2
	18		8.1	4.5
	21		8.1	4.8
08	00		7.6	4.5
	03		8.8	4.5
	06		3.8	4.0
	09		4.7	4.4
	12		4.4	4.2
	15		4.2	4.5
	18	3	3.9	4.4
			2.2	2.7
	21		-	-
09	00		4.1	4.8
	06		3.0	3.8
	12		2.9	4.7
	18	3	2.8	4.0
			1.7	2.9
10	00		2.1	3.7
	06		1.5	2.6
	07		1.3	2.5
	08		1.3	2.5
	09		1.2	2.6
	10		1.4	2.7
	11		1.4	2.7
	12		1.4	2.7
	13		1.2	2.8
	14		1.2	2.8
	15		1.4	2.7
	16		1.4	2.7
	17		1.3	2.6
	18		1.4	2.7
	19		1.4	2.7
	20		1.2	2.9
	21		1.3	3.0
	22		1.0	2.9
	23		1.2	2.8
11	00		2.1	4.2
			1.4	2.7
	06		-	-
	12		1.2	2.8
	14		1.1	2.8
	15		1.1	2.5
	16		1.3	2.6
	17		1.1	2.7
	18		-	-
	19		1.1	2.6
	20		1.0	2.6
	21		0.8	2.6
12	to 17		No record	
18	00		-	-
	06		-	-
	12		-	-
	18		-	-
	20		1.3	3.0
	21		1.0	3.2
	22		1.4	2.9
	23		1.2	2.8
19	00		-	-
	06		-	-
	12		-	-
	18		2.0	3.9
20	00		2.0	4.0
	06		2.8	3.5
	12		3.3	4.3
	18		3.7	4.1
21	00		3.0	4.1
	06		2.9	4.0
	12		2.1	3.5
	18		1.8	3.6
22	00		1.7	3.0
	06		-	-
Compt.: E W.				
22	12		2.1	3.9
Contd.	18		1.9	3.8
23	00		1.4	3.7
	06		-	-
	12		-	-
	18		1.0	3.7
24	00		-	-
	06		-	-
	12		1.7	3.5
	18		1.9	3.6
25	00		2.1	3.6
	06		-	-
	12		-	-
	18		1.4	3.4
26	00		1.5	3.6
	06		-	-
	12		-	-
	18		-	-
27	to 30		No record.	
Compt.: N S.				
01	00	-	-	-
	06	-	2.3	5.9
	12	-	1.6	4.8
	18	3	1.8	5.2
			1.0	3.2
02	00	-	1.6	4.3
	06	-	-	-
	12	3	1.8	5.1
			1.1	3.6
	18	-	1.1	4.0
03	00	-	1.5	3.8
	06	-	2.1	3.9
	12	-	1.7	4.1
	18	-	1.5	3.9
04	00	-	1.5	4.0
	01	-	1.5	4.0
	02	-	1.3	3.9
	03	-	1.6	3.5
	05	-	1.5	3.4
	06	-	1.4	3.2
	07	-	1.4	3.3
	08	-	1.6	3.5
	09	-	-	-
	10	-	1.7	3.5
	11	-	1.9	3.4
	12	-	1.7	3.8
	13	-	1.6	3.6
	14	-	1.8	3.5
	15	-	1.6	3.8
	16	-	1.7	3.7
	17	-	1.4	3.8
	18	-	1.4	3.7
05	00	-	1.7	3.5
	06	-	1.9	3.4
	12	-	2.2	3.5
	18	-	2.4	3.4
06	00	3	3.4	4.0
			2.5	2.8
	06	-	3.6	3.1
	12	-	3.8	3.5
	18	-	4.1	3.6
07	00	-	-	-
	03	-	-	-
	06	-	5.3	3.5
	09	-	6.5	3.6
	12	-	8.0	4.1
	15	-	8.8	4.4
	18	-	7.9	4.4
	21	-	8.4	4.1
08	00	-	1.1	4.5
	03	-	5.6	4.2
	05	-	8.1	3.9
	09	-	8.5	4.6

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Station: HOWRAH Compt.: N.S. November 1958

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
08 Contd.	12	3	5.0	4.0
			3.8	3.0
	15		4.1	4.2
	18		4.0	3.7
09	00	-	3.9	4.0
	06	3	3.1	2.9
			2.7	4.4
	12	-	2.7	3.6
	18	-	2.8	3.5
10	00	-	2.2	3.2
	01	-	2.2	3.1
	02	-	2.2	3.2
	03	-	2.0	3.0
	04	-	2.0	2.9
	05	-	1.7	2.8
	06	-	2.1	2.9
	07	-	2.2	2.7
	08	-	1.7	2.6
	09	-	2.1	2.7
	10	-	2.2	2.8
	11	-	2.1	2.7
	12	-	2.3	2.8
	13	-	2.3	2.8
	14	-	2.5	2.8
	15	-	1.9	2.7
	16	-	2.1	2.9
	17	-	2.5	2.7
	18	-	2.2	2.8
	19	-	2.2	2.8
	20	-	2.1	2.7
	21	-	2.3	2.6
	22	-	2.2	2.6
	23	-	1.9	2.7
11	00	-	1.6	2.7
	01	-	2.1	2.9
	02	-	1.4	2.6
	03	-	1.5	2.7
	04	-	1.4	2.6
	05	-	1.4	2.8
	06	-	1.7	2.9
	07	-	1.6	2.9
	08	-	1.7	2.8
	09	-	1.7	2.9
	10	-	1.7	2.8
	11	-	2.0	3.0
	12	-	1.6	3.0
	13	-	2.0	2.9
	14	-	1.6	2.8
	15	-	1.4	2.6
	16		1.5	2.7
	17		1.3	2.5
	18		1.3	2.6
	19		1.3	2.5
	20		1.0	2.6
	21		0.9	2.5
	22		0.8	2.5
	23		0.8	2.6
12	00		0.8	2.6
	06		-	-
	12		-	-
	18		1.4	5.2
13	00		-	-
	06		-	-
	12		-	-
	18		1.3	5.1
14	00		1.4	5.1
	06		-	-
	12		-	-
	18		-	-
15	00		1.3	5.0
	06		-	-
	12		-	-
	18		1.2	4.4
16	00		1.5	4.9
	06		1.4	4.3
	12		2.2	5.1
	18		1.8	4.8
17	00		1.8	4.9
	06		-	-
	12		1.9	5.5
	18		1.4	4.9
18	00		1.7	4.3
	01 to 16		No measurable group	
	17		1.3	2.9
	18		1.3	3.3
	19		1.5	3.0
	20		1.8	3.5
	21		2.0	4.0
	22		1.5	3.4
	23		1.3	3.3
19	00		1.3	3.5
	06		2.0	4.2
			1.7	2.8
	12		2.2	3.5
	18		1.8	3.8
20	00		2.1	3.8
	06		3.0	3.9
	12		3.9	4.2
	18		3.5	3.9
21	00		3.3	4.2
	06		2.9	3.7
			2.4	2.6
	12		2.7	3.4
	18		2.8	4.0
22	00		2.4	3.5
	06		2.5	3.8
	12		2.1	3.5
	18		2.7	4.0
23	00		1.9	3.8
	06		2.3	3.8
	12		2.0	3.8
	18		1.7	3.9
24	00		2.0	3.6
	06		2.3	3.6
	12		2.1	3.5
	18		2.3	3.5
25	00		2.7	3.5
	06		2.3	3.5
	12		2.2	3.7
	18		1.9	3.8
26	00		2.3	4.3
	06		-	-
26 Contd.	12		-	-
	18		1.8	3.7
27	00		1.9	4.2
	06		-	-
	12		2.1	4.9
	18		1.8	4.5
28	00		1.5	4.2
	06		-	-
	12		-	-
	18		1.9	4.4
29	00		2.0	5.2
	06		-	-
	12		-	-
	18		2.2	5.0
30	00		2.0	5.2
	06		2.1	5.0
	12		1.5	4.8
	18		1.9	5.1

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

Dec, 1958

Published under the direction of
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International Seismological Centre From the ISC collection scanned by SISMOS

List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGITUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To ≃ Tg ≃ 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h ≃0.8	60
					Wood-Anderson	N	0.8	1000	h ≃0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To≃0.72	Tg≃0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To≃Tg≃72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To≃Tg≃1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h≃0 h≃0.8	30
					Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To ≃1.0	Tg ≃0.18	-	60
					Sprengnether	E	To ≃ Tg ≃ 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h ≃ 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	SHILLONG	Z	e	05 11 36		Slight, distant
		ZE	i	12 46		
		E	i	13 35		
	CHATRA	Z	iP	05 12 15	1210	Slight
		E	iS	14 19		
01	CHATRA	Z	iP	05 49 35	580	Slight
		EZ	iS	50 36		
	SHILLONG	Z	i◊	05 50 30		Slight, compression
		E	e◊			
01	CHATRA	Z	i	11 54 40		Feeble, distant
	SHILLONG	Z	iP	11 55 48		Slight, distant Compression
01	SHILLONG	Z	e	16 49 20		Feeble, distant
01	CHATRA	Z	i	21 48 05		Feeble, distant
02	SHILLONG	Z	iP	00 13 10		Slight, distant Compression
02	SHILLONG	Z	e	01 22 47		Slight, distant
	POONA	Z	iP	01 23 18		Tremor
02	SHILLONG	Z	iP	03 34 31		Slight, distant Rarefaction
02	KODAIKANAL	E	e	04 07 38		Tremor
02	SHILLONG	Z	e	05 07 57		Feeble, distant
02	SHILLONG	Z	e	08 35 00		Slight, distant
02	SHILLONG	Z	e	15 57 10		Slight, distant
02	CHATRA	Z	i	17 45 58		Feeble, distant
02	CHATRA	Z	i	17 48 08		Feeble, distant
02	CHATRA	Z	iP	18 03 46	100	Slight
		E	iS	04 00		
02	CHATRA	Z	iP	23 23 57	240	Slight
			iS	24 25		
	SHILLONG	Z	e	23 24 26		Slight, distant
03	SHILLONG	Z	e	00 55 48		Slight, distant
03	Epc: 27°N, 85°E. Nepal. - H=02h 23m 40s GMT(U. S. C. G. S) 27°N, 87½°E. - H = 02h 23m 35s GMT (Shillong) Shock felt at Chatra, Kathmandu, Tribeni, Patna.					
	CHATRA	E	i	02 23 58		Some phases in the Benioff missed due to the changing of the record. Phases not clear due large amplitude of record.
	BOKARO	NE	i	02 24 32		Slight
		N	i	25 29		
	SHILLONG	Z	iP◊	02 24 57		Slight, near compression.
		E	e◊			
		E	iS	25 57		
	TOCKLAI	E	e(P)	02 25 25		Slight, Near
			i	27 24		
	DEHRA DUN	NE	eP	02 25 43	850	Slight, phases not clear
				27 11		
	POONA	Z	iP	02 27 01	2250	Slight, compression
		E	PPP	27 49		
			S	30 44		
		N	i	31 19		
		Z	M	34 38		
	MADRAS	E	eP	02 27 14	1720	Slight
			eS	30 07		
			SS	30 24		
			SSS	30 39		
			Lr	30 50		
03	BOMBAY	E	e	02 29 13		Feeble, beginning lost in microseisms.
			e	30 11		
		NE	e	31 33		
03	CHATRA	Z	iPg	07 48 49	90	Feeble
			iSg	49 01		
03	Epc: 19°N, 121½°E. Near coast of Luzon P. I - H = 09h 48m 26s GMT (U. S. C. G. S)					
	SHILLONG	ZE	iP	09 54 18	3450	Slight, distant Rarefaction. First movement East.
		E	iS	58 58		
	CHATRA	Z	iP	09 54 57	3550	Slight
		E	iS	10 00 09		
	PORT BLAIR	E	e(P)	09 55 06	2190	Slight
			PPP	55 31		
			eS	58 43		
			i	59 34		
	BOKARO	N	e	09 55 33		Slight, phases unidentifiable.
			e	10 00 21		
	MADRAS	E	eP	09 56 02	4370	Slight
			PP	57 37		
			PPP	58 08		
			eS	10 02 04		
	AGRA	ENZ	iP	09 56 04	4370	Dilatation.
		EZ	PP	57 44		First movement East, South.
			PPP	57 54		
		ENZ	iS	10 02 06		Moderate.
		Z	SSS	05 44		
			Lr	07 32		
		ENZ	M	12 24		Per. = 15 secs Amp. = 17 mm
	DEHRA DUN	NE	eP	09 56 12	4350	Slight, phases not clear.
			iS	10 02 13		
	COLOMBO	E	P	09 56 25		
			S	10 02 30		
			M	14 50		Amp. = 0.6 not distinct.
	POONA	Z	iP	09 56 42		Feeble.
			i	56 56		
			i	58 24		
	BOMBAY	E	eP	09 56 49	5020	Slight
		N	e	56 56		
		NE	PP	58 38		
		NEs	PPP	59 41		
		NE	eS	10 03 29		
		Es	SS	06 53		
	KODAIKANAL	E	eS	10 02 55		Tremor
03	DEHRA DUN	NE	e	10 18 18		Tremor
	SHILLONG	Z	iP	10 20 38		Slight, distant compression.
03	POONA	Z	eP	10 24 07		Tremor
03	SHILLONG	Z	iP	16 07 41		Slight, distant Compression
03	CHATRA	Z	iPg	16 08 29		Feeble
			iSg	08 31		
03	SHILLONG	Z	e	18 15 27		Slight, distant
03	SHILLONG	Z	i	20 39 56		Slight, distant Rarefaction.
03	SHILLONG	Z	e	20 53 15		Tremor
03	DEHRA DUN	NE	e	21 36 22		Tremor
	CHATRA	Z	iP	21 38 08	1240	Slight
		E	iS	41 15		
	SHILLONG	Z	e	21 38 36		Feeble, distant
04	KODAIKANAL	E	e	10 09 45		Tremor
04	BOMBAY	NE	eP	10 30 34	2510	Feeble
		N	eS	34 30		
		E	eS	34 38		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
04	BOMBAY	Es	SS	10	35	28		
			SSS		35	42		
Contd.	Contd.		Lr		36	14		
	POONA	Z	iP	10	30	44		Tremor
	CHATRA	Z	i	10	32	50		Feeble, distant
	SHILLONG	Z	e	10	33	07		Slight
04	SHILLONG	Z	iP	12	35	26		Slight, distant Compression
04	CHATRA	Z	iP	13	34	26	220	Feeble
			iS		34	52		
04	SHILLONG	Z	e	17	39	02		Tremor
04	SHILLONG	Z	e	19	38	37		Tremor
05	SHILLONG	Z	i	03	10	20		Tremor
05	SHILLONG	Z	eP	03	23	10		Slight, distant
			i		24	07		
05	SHILLONG	Z	e	03	38	05		Slight, distant
05	SHILLONG	Z	e	04	25	32		Slight, near
05	SHILLONG	Z	i	14	39	14		Slight, distant Rarefaction
05	SHILLONG	Z	iP	15	25	55		Slight, distant Compression
05	SHILLONG	Z	iPg	20	23	41		Slight, near
		ZNE	i		24	15		Rarefaction
	CHATRA	Z	iP	20	25	00	950	Slight
			iS		26	39		
05	SHILLONG	Z	i	23	39	17		Tremor
06	SHILLONG	Z	e	00	53	11		Tremor
06	SHILLONG	Z	iP	09	53	18		Slight, distant Compression
	BOMBAY	N	e	09	53	28		Feeble, distant
		E	e		53	44		
			e	10	10	57		
	POONA	Z	iP	09	53	30		Tremor
06	SHILLONG	Z	e	10	02	38		Slight, distant
			i		02	59		
06	SHILLONG	Z	iP	19	22	31		Slight, distant Compression
	BOMBAY	E	e	19	29	32		Feeble
			e		31	02		
		NE	e		31	21		
06	SHILLONG	Z	e	21	27	03		Slight, distant
06	SHILLONG	Z	e	22	00	21		Feeble, distant
06	SHILLONG	Z	iPg	22	44	34		Slight, near
					44	49		Compression
06	SHILLONG	Z	e	23	56	19		Tremor
07	SHILLONG	Z	e	00	16	15		Tremor
07	SHILLONG	Z	iP	01	14	45		Slight, distant Rarefaction
07	DEHRA DUN	NE	e	02	48	44		Tremor
	CHATRA	Z	iP	02	50	30	1730	Slight
		E	iS		53	24		
	AGRA	ENZ	eP	02	51	05		Feeble
		EZ	i		54	59		
	BOMBAY	E	e	02	53	01		Slight
			e		55	20		
			e	03	02	56		
			e		03	39		
	SHILLONG	ZE	iP	02	53	10	4330	Slight, distant Compression
		NE	iS		59	09		
07	CHATRA	Z	iP	02	59	37	3730	Slight
		E	iS	03	04	59		
	AGRA	ENZ	iP	03	02	15		Feeble, first movement South and West.
			i?		04	45		
07	CHATRA	Z	i	05	02	46		Feeble, distant
07	CHATRA	Z	iP	07	43	02	200	Feeble
			iS		43	26		
07	SHILLONG	Z	eP	11	32	50		Slight, near
07	SHILLONG	Z	eP	14	57	41		Tremor
07	KODAIKANAL	Z	eP	18	17	46		Tremor
07	SHILLONG	Z	iP	20	18	36		Slight, distant Compression
07	SHILLONG	Z	eP	21	32	44		Feeble, near
			i		33	04		
07	SHILLONG	Z	eP	22	29	05		Tremor
08	DEHRA DUN	NE	e	01	43	01		Tremor
	BOMBAY	E	e	01	48	55		Feeble, near
		NE	e		49	07		
08	CHATRA	Z	iP	05	04	24	690	Slight
		EZ	iS		05	36		
	SHILLONG	Z	eP	05	06	45		Slight, distant
	BOMBAY	N	e	06	12	24		Surface waves
08	CHATRA	Z	i	07	19	27		Feeble, distant
	SHILLONG	Z	eP	07	20	30		Slight, distant
		E	i		23	09		
08	Epc: 44°N, 149½°E. Kurile Islands - H = 12h 08m 23s GMT (U.S.C.G.S)							
	CHATRA	Z	iP	12	17	36		Slight
	DEHRA DUN	NE	eP	12	18	10	6140	Feeble
			iS		25	53		
	SHILLONG	ZNE	i	12	18	49		Slight, compression
		NE	i		20	44		
		E	i		25	55		
	POONA	Z	iP	12	20	19		Tremor
	BOMBAY	NE	eP	12	20	22	7440	Slight
		E	PPP		22	52		
		NE	eS		29	15		
			PS		29	36		
		N	M		53	18		
08	Epc: 33°N, 65°E. Afganistan. - H = 14h 04m 30s GMT (Shillong)							
	AGRA	ENZ	eP	14	07	29		Slight
		EN	i		09	21		
		ENZ	iS		09	37		
		EN	i		09	43		
	DEHRA DUN	NE	eP	14	07	33		Feeble
			i		09	28		
	BOMBAY	E	e	14	07	40		Slight
			e		08	22		
			e		10	09		
			e(S)		10	13		
		NE	e		10	37		
		E	e		10	41		
	POONA	Z	eP	14	08	20		Slight
			e		08	43		
		E	e		11	40		
		Z	e		12	24		
			M		13	50		
	CHATRA	Z	iP	14	09	08		Slight
		E	i		13	56		
	SHILLONG	Z	eP	14	10	08		Slight
		NE	i		16	27		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					December 1958			
08	HYDERABAD	E	e	14	12	51		
Contd.			M		14	14		Per. = 8 secs ⏄ = 8
		N	M		14	28		Per. = 8 secs ⏄ = 3
	MADRAS	E	eS	14	13	32		Slight
			e		15	25		
	VIZIANAGRAM	N	eS	14	13	43		Slight
	KODAIKANAL	E	e	14	16	12		Tremor
08	DEHRA DUN	NE	e	14	36	26		Feeble
			i		38	20		
	POONA	Z	eP	14	37	18		Tremor
	CHATRA	Z	iP	14	38	01	3130	Slight
		E	iS		42	49		
	BOMBAY	E	e	14	38	58		Feeble
			e		39	53		
		N	e		40	08		
	POONA	Z	eP	14	39	18		Feeble
	SHILLONG	Z	eP	14	39	59		Slight, distant
08	SHILLONG	Z	eP	16	48	20		Feeble, near
			i		48	31		
	SHILLONG	Z	e	21	30	59		Slight, distant
08	SHILLONG	Z	eP	21	35	09		Slight, distant
09	TOCKLAI	E	e	00	48	30		Tremor
09	SHILLONG	Z	ePg	04	27	31		Feeble, near
09	CHATRA	Z	i	08	08	53		Slight, distant
09	PORT BLAIR	E	iP	08	15	51	930	Slight
			PP		16	00		
			eS		17	27		
09	SHILLONG	Z	iP	09	09	11		Slight, distant
			i		09	20		Rarefaction
09	SHILLONG	Z	iP	12	30	07		Slight, distant Compression
09	CHATRA	Z	iPg	15	07	43	130	Feeble
			iSg		08	00		
09	SHILLONG	Z	iP	15	32	39		Slight, distant Compression
09	SHILLONG	Z	ePg	17	09	35	110	Feeble, near
			iSg		09	49		
09	CHATRA	Z	iP	20	10	31	320	Slight
		EZ	iS		11	07		
	SHILLONG	Z	iPg	20	10	43	420	Slight, near
			iSg		11	33		
09	SHILLONG	Z	eP	22	27	12		Slight, distant
09	SHILLONG	Z	e	23	49	13		Tremor
09	SHILLONG	Z	ePg	23	58	03		Feeble, near
10	Epc: 37°N, , 71°E. Hindukush. - H = 03h 43m 33s GMT (U.S.C.G.S)							
	DEHRA DUN	NE	eP	03	45	41	830	Moderate
		N	PP		45	48		
			PPP		45	54		
			Lq		46	59		
			iS		47	07		
			SS/Lr		47	18		
			SSS		47	28		
			Sg/M		47	52		
	AGRA	ENZ	iP	03	46	14	1100	Slight, compression. Ground motion North West
			i?		46	48		
			iS		48	07		
	CHATRA	Z	iP	03	47	23	1760	Moderate
		E	iS		50	20		
10	BOMBAY	NE	eP	03	47	41	2050	Slight
Contd.		N	PP		47	55		
		NE	SP		48	13		
		E	e		50	49		
		N	eS		51	00		
		NE	SS		51	12		
		N	SSS		51	31		
	BOKARO	N	iP	03	47	43	1850	Slight
			Lq		50	35		
			iS		50	48		
			Lr		51	28		
	POONA	Z	iP	03	47	45	2110	Slight, rarefaction.
			PPP		48	45		First movement
			iS		51	14		North
			PcS		55	28		
			ScS		58	55		
	HYDERABAD	N	e	03	47	51	2060	Slight, first
			iP		48	08		movement South
		E	iS		51	33		
		N	M		54	02		Per. = 6 secs ⏄ = 3
		E	M		54	03		Per. = 6 secs ⏄ = 3
	SHILLONG	ZNE	iP	03	48	01	2240	Moderate,
			iS		51	43		rarefaction
	TOCKLAI	E	eP	03	48	29		Tremor
	MADRAS	E	e(P)	03	49	29		Slight
			PPP		50	05		
			eS		53	30		
			Lq		53	58		
			Lr		54	43		
			M		55	43		
10	SHILLONG	Z	iPg	04	44	27		Feeble, near
			iSg		44	44		
10	Epc: 37°S, 176½°E. Off North Island, New Zealand - h about 300 km. - H = 07h 02m 59s GMT (U.S.C.G.S) Mag. = 5¾ (Pasadena), 5½-5¾ (Berkeley)							
	SHILLONG	Z	iP	07	16	05		Moderate
		NE	PP		20	12		
	BOKARO	N	eP	07	15	38		Slight
			ePP		21	01		
	CHATRA	Z	iP	07	16	40		Slight
	AGRA	Z	iP	07	17	10		Moderate,
			i		18	23		compression
			i		21	04		
	COLOMBO	E	e	07	19	50		Trace faint.
			S		27	35		
			M		35	30		Amp. = 0.9 mm
	HYDERABAD	E	e	07	19	52		Moderate
			iS		28	19		
			SS		32	11		
			Lr		38	00		
			M		44	01		Per. = 15 secs ⏄ = 4
	POONA	Z	e	07	20	19		Slight, phases
			i		28	55		not clear
	BOMBAY	NE	e	07	20	20		Moderate. Deep
		E	e		20	46		focus. Phases
			e		24	06		not identifi-
		NE	e		28	58		able
		E	e		30	35		
			i		32	30		
			i		35	29		
		NE	e		37	20		
		E	e		39	30		
	MADRAS	E	e	07	20	45		Moderate
	KODAIKANAL	E	i	07	20	55		Slight, phases
			i		32	32		not clear
	DEHRA DUN	NE	e	07	22	07		Slight, phases
			i		29	20		not clear
			i		32	46		
			i		33	54		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
10 Contd.	PORT BLAIR	E	i	07	25	41		Moderate, beginning
			i		30	31		lost.
			i		32	33		
10	CHATRA	Z	iP	07	20	52	5540	Slight
			iS		28	02		
10	CHATRA	Z	iP	14	16	20	590	Slight
		EZ	iS		17	32		
	DEHRA DUN	NE	e	14	16	46		Tremor
	SHILLONG	Z	iP	14	17	09	1420	Slight,
		E	eP					rarefaction
		NE	iS		19	33		
	BOKARO	N	e	14	20	08		Tremor
	POONA	Z	iP	14	23	11		Tremor
	BOMBAY	NE	e	14	23	20		Slight
10	Epc: 5°N, 126°E. Off South Coast of Mindanao I.P. - h about 200 km. - H =14h 39m 00s GMT (U.S.C.G.S)							
	SHILLONG	ZE	iP	14	45	49	4000	Slight,
		ZNE	iS		51	28		compression
	CHATRA	Z	iP	14	46	40		Feeble
	POONA	Z	iP	14	47	56		Tremor
	TOCKLAI	E	e	14	51	23		Tremor
10	SHILLONG	Z	iP	17	09	55		Tremor
10	SHILLONG	Z	eP	22	03	15		Tremor
11	SHILLONG	Z	eP	03	05	38		Slight, near
11	SHILLONG	Z	eP	07	29	48		Slight, distant
11	SHILLONG	Z	ePg	08	52	12		Slight, near
11	SHILLONG	Z	iP	18	33	41		Tremor
11	SHILLONG	Z	iP	18	45	55		Slight, distant Compression
	CHATRA	Z	i	18	46	43		Feeble, distant
11	SHILLONG	Z	ePg	21	15	39	180	Feeble, near
		Z	iSg		15	48		
12	SHILLONG	Z	ePg	04	49	07	120	Slight, near
			iSg		49	21		
12	SHILLONG	Z	eP	05	45	32		Slight, distant
12	SHILLONG	Z	e	06	45	11		Slight
12	SHILLONG	Z	iPg	07	40	45		Slight, near
			iSg		41	13		
12	DEHRA DUN	NE	e	13	37	23		Tremor
13	SHILLONG	Z	iP	01	27	44		Slight, distant Compression
13	CHATRA	Z	iP	06	10	24	140	Feeble
			iS		10	42		
	SHILLONG	Z	e	06	11	53		Feeble
13	SHILLONG	Z	iP	09	16	37		Slight, distant Compression
	CHATRA	Z	i	09	17	03		Feeble, distant
13	SHILLONG	Z	iP	10	26	22		Slight, distant Rarefaction
13	SHILLONG	Z	iP	14	37	11		Slight, distant Compression
13	CHATRA	Z	iP	16	45	35	950	Slight
		E	iS		47	13		
	SHILLONG	Z	eP	16	45	58		Slight, distant
			i		46	10		
13	CHATRA	Z	iP	21	06	44	810	Slight
		E	iS		08	08		
13	CHATRA	Z	iP	21	24	37	80	Slight
		EZ	iS		24	48		
	SHILLONG	Z	e	21	27	24		Tremor
13	SHILLONG	Z	eP	21	34	33		Slight, distant
14	SHILLONG	Z	iP	04	06	26		Slight, distant compression
14	BOMBAY	E	e	07	37	02		Slight, distant
		NE	e		46	19		
		E	e		56	42		
14	SHILLONG	Z	iP	08	18	35		Slight, distant Compression
	KODAIKANAL	E	e	08	25	03		Slight, tremor
14	CHATRA	Z	iPg	18	05	33	70	Feeble
			iSg		05	43		
	SHILLONG	Z	iPg	18	05	44	110	Slight, near
			iSg		05	57		
14	DEHRA DUN	NE	e	20	32	55		Tremor
14	CHATRA	Z	i	21	15	59		Feeble
	SHILLONG	Z	iP	21	17	21		Slight, compression
14	CHATRA	Z	iP	22	04	42	160	Slight
		EZ	iS		05	02		
	SHILLONG	Z	iPg	22	06	20	4000	Slight, near,
			iSg		07	05		compression
14	CHATRA	Z	iP	22	54	16	400	Feeble
			iS		55	00		
	SHILLONG	Z	iPg	22	54	33	120	Slight, near
			iSg		54	47		
15	SHILLONG	Z	ePg	06	07	03		Feeble, near
			iSg		07	14		
15	CHATRA	Z	i	11	54	33		Feeble, distant
	POONA	Z	iP	11	57	15		Tremor
15	CHATRA	Z	i	12	30	39		Feeble, distant
15	SHILLONG	Z	iP	12	56	43		Slight, distant Compression
15	SHILLONG	Z	iP	18	57	43		Slight, distant Rarefaction
15	SHILLONG	Z	iP	02	41	02		Slight, distant Compression
16	SHILLONG	Z	ePg	07	37	55	110	Slight, near
			iSg		38	08		
16	CHATRA	Z	iP	07	53	07	280	Feeble
			iS		53	39		
16	SHILLONG	Z	iPg	08	20	05	130	Slight
			iSg		20	21		
16	CHATRA	Z	iP	11	16	02	360	Feeble
			iS		16	42		
16	SHILLONG	Z	ePg	13	58	27	100	Slight
			iSg		58	39		
16	SHILLONG	Z	eP	14	16	09		Slight, distant
16	SHILLONG	Z	iP	17	40	20		Tremor
17	SHILLONG	Z	e	02	37	57		Feeble, distant
17	CHATRA	Z	i	09	03	38		Feeble, distant
	SHILLONG	Z	iP	09	04	10		Slight, distant Rarefaction
	POONA	Z	eP	09	06	21		Tremor
17	CHATRA	Z	iPg	09	08	29	10	Feeble
			iSg		08	31		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				December 1958		
17 Contd.	SHILLONG	Z	iP	09 09 18		Slight, distant Compression
17	SHILLONG	Z	iP	12 02 44		Slight, distant Compression
17	Epc: 27½°N, 128°E. Ryukyu Island. - H = 15h 34m 08s GMT (U.S.C.G.S)					
	CHATRA	Z	i	15 40 14		Slight
	SHILLONG	Z	iP	15 40 41		Slight, Compression
	POONA	Z	i	15 42 21		Tremor
	BOMBAY	NE	eP	15 43 19	5550	Slight
			eS	50 35		
	PORT BLAIR	E	i	15 45 09		Slight
			i	49 01		
			i	50 09		
	DEHRA DUN	NE	eS	15 48 21		Feeble
17	PORT BLAIR	E	iPg	19 32 56		Slight
			iSg	33 04		
17	SHILLONG	Z	iP	19 44 39		Slight, distant Compression
17	SHILLONG	Z	eP	20 09 33		Tremor
17	BOMBAY	NE	eP	20 46 12	9020	Slight, deep focus
			eS	56 22		
			e	57 03		
18	SHILLONG	Z	iPg	04 01 20		Slight, near
		NE	e	01 22		
18	SHILLONG	Z	e	05 15 19		Slight, distant
18	SHILLONG	Z	e	05 20 13		
18	SHILLONG	Z	iP	07 26 19		Slight, distant Rarefaction
	POONA	Z	iP	07 28 20		Tremor
18	Epc: 18°N, 120½°E. Near North Coast of Luzon, Phillipine Islands. - H = 07h 25m 16s GMT (U.S.C.G.S) Felt: Laoag (U.S.C.G.S)					
	SHILLONG	ZE	iP	07 32 03	3010	Slight,
		Z	i	35 23		rarefaction
		E	eS	36 41		
	POONA	Z	eP	07 34 13		Tremor
	BOMBAY	N	e	07 37 51		Slight
		E	i			
		NE	e	41 21		
		E	i	41 42		
18	POONA	Z	iP	07 38 02		Tremor
	DEHRA DUN	NE	e	07 38 23		Feeble
			i	42 10		
18	SHILLONG	Z	ePg	08 27 00	310	Slight, near
			iSg	27 35		
18	SHILLONG	Z	e	08 40 08		Slight, distant
18	SHILLONG	Z	e	13 26 47		Slight, distant
18	SHILLONG	Z	e	16 27 03		Slight, distant
18	SHILLONG	Z	iP	17 09 02		Slight, distant Compression
18	DEHRA DUN	NE	e	18 56 33		Tremor
18	SHILLONG	Z	eP	20 13 04		Slight, distant Compression
			i	13 14		
18	SHILLONG	Z	iP	20 55 20		Distant, slight
18	SHILLONG	ZN	iPg	21 55 20		Feeble
18	SHILLONG	Z	eP	23 14 54		Slight, distant
			i	15 02		
			i	15 40		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
19	SHILLONG	Z	ePg	07 11 11		Feeble, near
19	SHILLONG	Z	iPg	08 50 53	130	Slight, near
			iSg	51 09		
	TOCKLAI	E	eP	08 51 57		Feeble, near
19	Epc: 6°N, 59°E. Indian Ocean - H = 11h 13m 50s G.M.T (Shillong)					
	BOMBAY	NE	eP	11 17 57	1900	Slight
		E	iP			
		E	PPP	18 19		
			e	20 00		
		NE	eS	21 07		
		E	SS	21 28		
		NE	Lr	22 24		
	POONA	Z	iP	11 18 03		Feeble, phases not clear
			i	18 09		
	KODAIKANAL	E	iP	11 18 03		Slight, phases not clear
	COLOMBO	E	P	11 18 25		
			M	24 35		Amp. =0.7 mm
	MADRAS	E	iP	11 18 40	2460	Slight
			eS	22 40		
	HYDERABAD	N	eP	11 18 43	2420	Slight
			eS	22 40		
		E	Lr	24 20		
		N	M	25 04		Per. =9 secs
						A =3
		E	M	26 16		Per. =9 secs
						A =3
	DEHRA DUN	NE	e	11 20 19		Feeble
			e	34 28		
	PORT BLAIR	E	iS	11 26 00		Slight
19	SHILLONG	Z	iP	11 33 40		Slight, distant
			i	34 44		Compression
19	CHATRA	Z	i	12 34 34		Feeble, distant
19	TOCKLAI	E	e	13 06 05		Feeble, near
19	DEHRA DUN	NE	e	13 54 26		Tremor
19	TOCKLAI	E	e	15 11 56		Feeble, near
19	Epc: 51½°N, 177½°W. Adreanof Island, Aleutian Islands. - H = 18h 36m 23s GMT (U.S.C.G.S)					
	SHILLONG	Z	iP	18 47 43		Slight,
		E	eP			rarefaction
	CHATRA	Z	i	18 47 51		Slight
	POONA	Z	iP	18 49 09		Tremor
	BOMBAY	NE	eP	18 49 12	10050	Slight
		N	eS	19 00 06		
			e	00 23		
19/20	Epc: 5.5°N, 59.5°E. Indian Ocean. - H = 23h 56m 50s GMT (Shillong)					
	KODAIKANAL	E	iP	00 01 05		Slight, phases not clear
	BOMBAY	NE	iP	00 01 05	2020	Slight
		E	PP	01 23		
			PPP	01 31		
		NE	e	02 31		
			e	03 07		
			eS	04 27		
		E	Lr	05 16		
	POONA	Z	iP	00 01 10		Feeble, phases not clear
	MADRAS	E	eP	00 01 45	2410	Slight
			eS	05 41		
	HYDERABAD	E	eP	00 01 46		
			M	07 22		Per. =12 secs
						A = 4
	SHILLONG	Z	eP	00 03 41		Tremor

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				December 1958		
19/20	DEHRA DUN	NE	e	00 04 20		Feeble
			e	09 12		
20	POONA	Z	eP	15 45 22		Tremor
20	SHILLONG	Z	ePg	15 46 49	140	Feeble, near
			iSg	47 06		
20	Epc: 28½°N, 127½°E. Ryukyu Islands Region - H = 29h 20m 43s GMT (U.S.C.G.S)					
	SHILLONG	Z	iPg	19 27 09		Slight, rarefaction
		E	ePg			
		E	i(S)	32 38		
		N	e	32 51		
		E	i	36 14		
			i	36 52		
		N	e	36 57		
	CHATRA	Z	iP	19 27 45		Slight
		E	i	36 01		
	DEHRA DUN	NE	eP	19 28 44		Slight, phases not clear
	AGRA	EZ	iP	19 28 47		Slight, compression. Ground motion West.
	HYDERABAD	E	eP	19 29 14		Slight
			e	36 00		
			M	48 39		Per. = 11 secs A = 3
		N	M	48 44		Per. = 9 secs A = 2
	PORT BLAIR	E	i	19 29 30		Slight
			e	31 19		
			e	32 08		
			i	36 22		
			i	36 40		
			e	39 20		
	POONA	Z	iP	19 29 38		Tremor
	BOMBAY	NE	eP	19 29 45	5690	Slight
			eS	37 03		
		N	M	53 01		Per. = 13 secs A = 3
	KODAIKANAL	E	e	19 31 42		Tremor
	BOKARO	N	e	19 33 50		Slight, phases not identifiable
20	SHILLONG	Z	iP	21 20 49		Slight, distant
			i	22 59		Compression
20	SHILLONG	Z	iP	22 32 21		Slight
21	Epc: 44½°N, 81°E. Western Sinkiang Province, China - H = 05h 45m 25s GMT (U.S.C.G.S) 45°N, 82°E, - H = 05h 45m 25s GMT (Shillong)					
	DEHRA DUN	NE	eP	05 49 50	1570	Slight
			PPP	50 11		
			iS	52 29		
			SS	52 48		
			SSS	52 58		
			Lr	53 07		
			M	54 05		Per. = 11.1 secs A = 41
	AGRA	ENZ	iP	05 50 25	2080	Moderate, ground motion North
		Z	PP	50 43		
		NZ	PPP	50 59		East. Dilatation
		Z	i?	51 51		
		E	i?	53 17		
		ENZ	Lq/iS	53 52		
			SS	54 10		
			SSS	54 22		
		EZ	PcP	55 07		
		ENZ	i?	55 35		
			M	56 23		Per. = 12 secs Amp. = 61 mm
	CHATRA	Z	iP	05 50 45	2160	Slight
		NEZ	iS	54 19		
	SHILLONG	ZN	iPg	05 51 11	2390	Moderate
		E	ePg			rarefaction
		ZNE	iS	55 06		
		N	Mn	06 01 37		Per. = 8 secs A = 37
21	BOKARO	NE	iP	05 51 13	2420	Moderate
Contd.		N	PP	51 34		
			PPP	51 47		
			iS	55 10		
			Lq	55 37		
			Lr	55 40		
			M	58 47		Per. = 13 secs A = 29
	TOCKLAI	E	eP	05 51 14		Slight
			i	52 33		
	POONA	Z	iP	05 52 07	2990	Moderate, rarefaction
		ZN	iS	56 43		
		N	SSS	58 24		
			PcS	59 09		
			M	05 01 15		
			Mn	04 --		Per. = 13.3 secs A = 44.7
	BOMBAY	NE	eP	05 52 07	2890	Moderate
		E	PP	53 07		
			e	53 49		
			PcP	54 56		
		NE	eS	56 36		
		E	i	56 53		
		N	i	57 00		
			i	57 19		
		E	i	57 51		
		N	Lq	58 17		
			SS	58 37		
		E	SSS	58 52		
			Lr	59 40		
		N	Lr	06 00 10		
		E	M	01 59		Per. = 13 secs A = 36
		N	M	03 28		Per. = 12 secs A = 38
	HYDERABAD	N	iP	05 52 11	3010	Moderate. First movement North
		E	eS	56 49		
			Lq	58 11		
			SS	58 50		
			PcS	59 23		
			Lr	06 00 22		
			M	01 29		Per. = 9 secs A = 45
		N	M	01 47		Per. = 9 secs A = 18
	PORT BLAIR	E	iP	05 53 19	3810	Moderate
			PP	54 35		
			PcP	55 50		
			iS	58 46		
			SS	06 00 48		
	MADRAS	E	eP	05 53 41	4250	Moderate
			PP	55 15		
			e	59 20		
			iS	59 35		
			SS	06 02 21		
			Lq	02 36		
			SSS	03 04		
			ScS	03 32		
			Lr	04 23		
			M	07 42		
	COLOMBO	E	eP	05 54 00		
			S	59 35		
			L	06 05 50		
			M	07 20		
	KODAIKANAL	E	PcP?	05 58 44	3410	Moderate. P not clear
			iS	06 00 43		
			Lr	03 25		
			M	05 45		Per. = 12 secs A = 42
	VIZIANAGRAM	N	e	06 00 29		Slight
21	SHILLONG	Z	iPg	10 31 07	200	Slight, near
			iSg	31 41		
21	CHATRA	Z	iP	11 32 10	780	Feeble
			iS	33 31		
21	SHILLONG	Z	eP	14 05 05		Slight, distant
21	TOCKLAI	E	iP	15 00 46		Feeble, near
21	SHILLONG	Z	iPg	15 14 38		Slight, near
			iSg	14 49		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
			December 1958			
21	SHILLONG	Z	e	18 25 59		Slight, distant
21	SHILLONG	Z	e	20 34 48		Slight, distant
			i	35 19		
22	SHILLONG	Z	iP	01 31 09		Slight, distant Compression
22	SHILLONG	Z	iP	02 33 45		Slight, distant Compression
22	SHILLONG	Z	iP	03 22 21		Slight, distant
23	POONA	Z	iP	06 46 58		Tremor
	SHILLONG	Z	iP	06 47 10		Slight, distant Rarefaction
23	SHILLONG	Z	iP	07 16 39		Slight, distant Compression
23	CHATRA	Z	i	07 47 01		Feeble, distant
23	SHILLONG	Z	e	08 52 32		Feeble, near
23	SHILLONG	Z	ePg	13 19 10		Feeble, near
			i	19 56		
23	SHILLONG	Z	iP	17 30 53		Slight, distant Compression
24	DEHRA DUN	NE	e	05 10 40		Tremor
	CHATRA	Z	i	05 10 56		Feeble, distant
24	SHILLONG	Z	iPg	12 29 40	90	Slight, near
		E	iSg	29 50		
24	SHILLONG	Z	eP	19 48 05		Slight, distant
25	Epc: 5½°S, 151½°E. New Britain - H = 08h 05m 33s GMT (U.S.C.G.S) Mag: 6¾ (Pasadena)					
	PORT BLAIR	E	iP	08 16 20		Slight
			PP	17 56		
			i	21 55		
	SHILLONG	ZNE	iP	08 16 21	7510	Slight, compression
		NE	iS	25 18		
	CHATRA	Z	iP	08 16 52		Slight
	COLOMBO	E	P	08 17 00	8180	
			S	25 30		
	BOKARO	N	e	08 17 03		Slight, phases unidentifiable
			i	25 36		
	AGRA	EZ	iP	08 17 37	8820	Moderate, Compression
		N	eP	17 37		
		EZ	PcP	17 49		
		Z	PP	20 39		
			PPP	22 35		
		ENZ	iS	27 38		
		E	SKS	27 46		
			ScS	27 58		
		EZ	PS	28 18		
		NZ	PPS	28 48		
		EN	i?	30 42		
		E	SS	32 32		
			Lq	39 36		
		ENZ	M	45 08		Per. ~22 secs amp. ~16.5 mm
	DEHRA DUN	NE	e(P)	08 17 43		Slight, phases not clear
			e(S)	27 28		
	POONA	ZE	iP	08 17 45	9140	Moderate. Initial ground movement. West. Compression.
		N	eS	28 00		
			SS?	33 31		
			SSS?	36 46		
			M	51 15		
	BOMBAY	E	eP	08 17 51	9510	Slight
			SKS	28 04		
		N	SKS	28 10		
		NE	eS	28 23		
25	SHILLONG	Z	iP	09 23 19		Slight, distant Compression
25	BOMBAY	NE	eP	18 37 51	2350	Feeble, deep
		E	eS	41 43		
	DEHRA DUN	NE	e	18 38 27		Feeble
			e	42 12		
	SHILLONG	Z	iP	18 40 07		
25	TOCKLAI	E	e	18 54 11		Tremor
25	SHILLONG	Z	iPg	08 17 45	250	Slight, near
			iSg	18 15		
	CHATRA	Z	iP	08 17 52	320	Feeble
			iS	18 28		
25	TOCKLAI	E	eP	09 32 24		Tremor
	SHILLONG	Z	eP	09 35 10		Slight, near
			i	35 19		
			i	35 52		
			i	36 00		
25	SHILLONG	Z	ePg	14 43 45	90	Slight, near
			iSg	43 53		
25	TOCKLAI	E	e	17 09 33		Tremor
25	SHILLONG	Z	iP	17 30 06		Slight, distant Compression
25	DEHRA DUN	NE	e	18 49 02		
25	DEHRA DUN	NE	e	20 18 50		Tremor
27	SHILLONG	Z	iP	00 02 15		Tremor
27	TOCKLAI	E	e	00 31 17		Slight, distant
27	SHILLONG	Z	iPg	08 33 58	150	Slight, near
			iSg	34 15		
27	SHILLONG	Z	iPg	14 32 10		Slight, near
			i	32 22		
	CHATRA	Z	i	14 33 09		Feeble, distant
28	Epc: 29½°N, 80°E. Western Nepal-India border. - H = 05h 34m 36s G.M.T. (U.S.C.G.S) 29½°N, 81°E. - H = 05h 34m 44s GMT (Shillong) Mag.: 6¼ (Shillong)					
	DEHRA DUN	NE	eP	05 35 14		Great, other phases not clear.
	AGRA	ENZ	iP	05 35 36		Great, dilatation. Ground motion North east.
			i?	35 42		
			i?	36 20		
	CHATRA	NEZ	iP	05 35 26	800	Moderate
			iS	37 49		
	BOKARO	NE	iP	05 36 38	820	Moderate
		N	PPP	36 49		
			Lq	37 59		
			iS	38 03		
			Lr	38 18		
			SSS	38 27		
			M	39 03		
	SHILLONG	ZNE	iP	05 37 23	1200	Moderate, compression
		E	ePP	37 31		
			ePPP	37 39		
		ZNE	iS	39 25		
		E	eSS	39 42		
			eSSS	40 39		
		N	Mn	41 30		Per. ~5.3 secs μ ~24
	HYDERABAD	EN	iP	05 37 35	1320	Moderate. First movement North East.
		N	PP	37 47		
			PPP	37 59		
		EN	iS	39 50		
		N	Lr	40 14		
		E	M	41 17		Per. ~ 9 secs μ ~45
		N	M	41 29		Per. ~10 secs μ ~83

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
28 Contd.	VIZIANAGRAM	E	eP	05	37	36		Slight
		N	eP		37	37		
		E	iS		39	44		
		N	iS		39	46		
	POONA	ZE	iP	05	37	38	1320	Moderate,
		N	PP		37	46		dilatation.
			PPP		37	55		Inital ground
			iS		39	53		movement North
			SSS		40	25		and East.
			M		41	21		
			Mn		42	00		Per. =12.6 secs
								μ =163
	BOMBAY	NE	iP	05	37	41	1430	Moderate
			PP		37	49		
			Lq		39	54		
			eS		40	06		
			SS		40	19		
		N	SSS		40	28		
		E	M		41	--		
		N	M		42	39		Per. =11 secs
								μ =202
	TOCKLAI	E	eP	05	37	42		Slight
	MADRAS	E	eP	05	38	37	1740	Moderate
			PP		38	50		
			PPP		38	57		
			iS		41	32		
			Lq		41	32		
			SS		41	54		
			SSS		42	07		
			Lr		42	25		
			M		43	45		
	PORT BLAIR	E	iP	05	39	37	2370	Moderate
			PP		40	02		
			PPP		40	10		
			iS		43	29		
			i		43	40		
			SS		44	10		
	COLOMBO	E	P	05	39	50		
			S		43	55		
			L		44	50		
			M		47	30		Amp. =2.8 mm
	KODAIKANAL	E	iP	05	42	33	1320	Moderate. First
			PP		42	45		movement East.
			iS		44	48		
			Lr		45	20		
			M		46	48		Per. =12 secs
								μ =103
28	DEHRA DUN	NE	e	05	53	54		Tremor
28	DEHRA DUN	NE	e	05	57	15		Tremor
28	DEHRA DUN	NE	e(P)	06	02	52	180	Slight
			i(S)		03	14		
	SHILLONG	Z	e	06	40	58		Slight
28	DEHRA DUN	NE	e	06	16	28		Tremor
28	DEHRA DUN	NE	e	06	17	41		Tremor
28	DEHRA DUN	NE	e(P)	06	49	28	180	Slight
			i(S)		49	50		
28	SHILLONG	Z	eP	06	56	32		Slight, distant
28	DEHRA DUN	NE	eP	08	26	50	170	Slight
		N	PPP		27	03		
			iS		27	11		
			SS		27	22		
			SSS		27	33		
	AGRA	NE	eP	08	27	10		Slight, near
			i?		27	18		
			i?		27	48		
	CHATRA	Z	iP	08	28	01	1240	Slight
		NE	iS		30	08		
	SHILLONG	Z	eP	08	28	55		Slight, distant
	BOMBAY	E	e	08	31	32		Feeble
		NE	e		33	01		
		N	M		34	22		Per. =10 secs
								μ = 1
28	DEHRA DUN	NE	e	09	57	41		Tremor
28	DEHRA DUN	NE	e	12	09	38		Tremor
28	DEHRA DUN	NE	e	12	51	54		Tremor
28	SHILLONG	Z	e	17	32	25		Tremor
28	SHILLONG	Z	ePg	17	37	08		Feeble
			iSg		37	18		
28	DEHRA DUN	NE	e	19	24	53		Tremor
28	DEHRA DUN	NE	e	21	44	43		Tremor
29	DEHRA DUN	NE	e	06	37	35		Tremor
29	SHILLONG	Z	iP	18	40	49		Slight, distant Rarefaction
29	SHILLONG	Z	ePg	21	38	15		Feeble
			iSg		38	24		
29	Epc: 2½°N, 99°E. Northern Sumatra - H =22h 38m 22s GMT (U.S.C.G.S)							
	PORT BLAIR	E	iP	22	41	20	1070	Slight
			iS		43	10		
	COLOMBO	E	P	22	43	00		
			PP		43	40		
			S		46	40		
			M		50	55		Amp. =0.4 mm
	MADRAS	E	eP	22	43	18	2350	Moderate
			PP		43	43		
			PPP		43	49		
			iS		47	09		
			Lq		47	25		
			SS		47	42		
			Lr		48	08		
	SHILLONG	Z	iP?	22	44	10	2890	Slight,
		NE	eP?					compression
		NE	eS		48	19		
	CHATRA	Z	iP	22	44	10		Slight
		E	i		49	08		
	POONA	Z	iP	22	44	32	3140	Slight
		N	eS?		49	18		
	AGRA	E	eP	22	44	52	3290	Feeble
		ENZ	iS		49	47		
		Z	Lr		52	39		
	DEHRA DUN	NE	eP	22	45	14		Feeble
			e		51	19		
	BOMBAY	NE	PP	22	45	29		Slight, M
		N	eS		49	30		waves not
			e		51	14		
		NE	e		51	43		
29	SHILLONG	Z	ePg	23	47	22		Feeble
			i		47	47		
30	POONA	Z	eP	05	26	28		Tremor
30	SHILLONG	Z	e	08	57	57		Slight, distant
	POONA	Z	eP	08	58	12		Tremor
30	SHILLONG	Z	e	10	32	35		Slight, distant
30	SHILLONG	Z	eP	17	24	07		Slight, distant
			e		24	11		
30	SHILLONG	Z	e	18	27	05		
30	SHI LONG	Z	e	23	28	03		Slight, distant
31	PORT BLAIR	E	iP	02	08	26	1680	Slight
			iS		11	15		
31	Epc: 30°N, 79½°E. West Nepal-India border - H = 03h 45m 25s GMT (Shillong)							
	DEHRA DUN	NE	eP	03	45	50	190	Moderate. First
			P*		45	51		movement East.
			Pg		45	52		
		N	PP		45	55		
			PPP		46	02		
			iS/S*		46	12		
			Sg		46	14		
			SS		46	24		
			SSS		46	35		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					December 1958			
31 Contd.	AGRA	ENZ	iP	03	46	12		Moderate, Dilatation. Ground motion North East
			i?		46	22		
			i?		46	56		
	CHATRA	Z	iP	03	47	12		Slight
		NE	i		49	17		
	BOKARO	N	eP	03	47	55	1090	Slight, other phases not clearly developed.
			iS		49	48		
	SHILLONG	ENZ	iP	03	48	01	1180	Moderate, compression
		NE	iS		50	01		
	HYDERABAD	N	iP	03	48	15	1310	Moderate, first movement South.
		E	iS		50	29		
			i		52	03		
			M		53	14		Per. ≃ 9 secs μ ≃ 3
		N	M		53	17		Per. ≃ 12 secs μ ≃ 5
	POONA	Z	iP	03	48	17	1310	Moderate, compression. Initial ground movement South and West.
		E	PP		48	21		
			PPP		48	28		
			eS		50	31		
			SS		50	39		
			SSS		50	55		
			M?		51	53		
		N	Mn		52	--		
		E	PcP		53	25		
31 Contd.	BOMBAY	NE	eP	03	48	20	1400	Slight
			PP		48	30		
		E	Lq		50	32		
		NE	eS		50	43		
		E	SS		51	00		
		N	e		52	00		
			M		53	19		Per. ≃ 12 secs μ ≃ 13
	MADRAS	E	eP	03	49	15	1790	Slight
			Lq		52	11		
			eS		52	14		
			SS		52	34		
			Lr		52	53		
			M		54	11		
	KODAIKANAL	E	e	03	50	36		Tremor
31	PORT ELAIR	E	iP	03	54	00	910	Slight
			iS		55	34		
31	CHATRA	Z	iP	08	48	15	210	Slight
		NE	iS		48	40		
31	SHILLONG	Z	iP	10	40	00		Slight
31	SHILLONG	Z	iPg	15	20	18	150	Slight
			iSg		20	36		
31	SHILLONG	Z	e	17	32	09		Slight, distant
31	SHILLONG	Z	i	19	31	42		Tremor
31	CHATRA	Z	iP	22	24	59	790	Slight
		NE	iS		26	21		
	SHILLONG	Z	e	22	25	31		Slight, distant

Eartquake Reports
(Non Instrumental Reports)

Following is the list of Earthquakes that were reported by Voluntary Observers from different stations during the month of December 1958

Place at which felt	Date GMT	Time at which felt GMT h. m.	Duration in secs.	Intensity in R.F. scale	No. of shocks	Remarks
TURA (Garo Hills)	01	05 45	Less than a seconds	III	One	-
GOALPARA	01	05 55	3	IV	One	Jerking came from West
KATHMANDU	03	02 25	about 2 secs	IV	One	From East to West. Hanging lamps swenging from East to West. Rattling of objects on the table.
PATNA	03	02 30	about 2 secs	V	One	Oscillatory movement appearing to follow NE-SW direction
SRINAGAR	10	03 45	40	III	Two	-
SHILLONG	18	04 00	1	III	One	-
SHILLONG	18	22 00	1	IV	One	-
MUKTESHWAR	28	05 33	40	VII	One	North to South. Rumbling sound resembling that of motor driving heard before shock.
NAINITAL	28	05 35	45	VI	One	-
HISSAR	28	05 37	10	V	One	Could shake locks hanging on the door.
SIMLA	28	05 37	3	V	Three	-
ROORKEE	28	05 37	Interval between 01st and 2nd - 1 sec. and between 2nd and 3rd ½ sec. Duration total 4 secs.	VII	Three	North to South
BAREILLY	28	05 40	5	VII	Three	South to North.

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MICROSEISMIC TABULATION

Station : PORT BLAIR — December 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	3	1.20	2.2
	12	3	1.50	2.8
	18	3	1.70	2.5
02	00	1	2.30	2.4
	06	1	2.00	2.8
	12	3	1.50	2.6
	18	3	1.40	2.6
03	00	3	1.10	2.6
	06	1	1.00	2.0
	12	1	1.10	2.4
	18	1	1.10	2.4
04	00	1	1.20	2.6
	03	1	2.00	3.0
	06	1	2.50	2.6
	09	1	2.50	2.6
	12	1	2.50	2.6
	15	1	2.50	2.6
	18	1	2.60	2.5
	21	1	2.60	2.6
05	00	1	2.80	2.6
	03	-	-	-
	06	-	-	-
	09	1	3.00	3.0
	12	1	3.10	3.0
	15	1	3.10	3.0
	18	1	3.60	3.4
	21	1	3.50	3.0
06	00	1	2.70	3.0
	06	1	1.50	2.5
	12	1	1.30	2.5
	18	1	1.40	3.0
07	00	1	2.60	3.0
	03	1	2.40	3.0
	06	1	2.40	3.0
	09	1	2.50	3.0
	12	1	2.50	2.8
	15	1	2.50	2.8
	18	1	2.80	2.6
	21	1	2.80	2.8
08	00	1	3.20	2.8
	03	1	3.20	2.8
	06	1	3.00	3.0
	09	1	2.70	3.0
	12	1	3.50	3.0
	15	1	3.50	3.0
	18	1	3.60	3.0
	21	-	-	-
10	00 to 23 No record.			
11	01 to 08 No record			
	09	3	1.70	2.8
			2.00	6.4
	10	3	1.60	2.8
			1.90	7.0
	11 to 23 No record			
12	00	-	-	-
	01	-	-	-
	02	3	1.30	2.4
			1.90	7.2
	03	3	1.10	2.2
			1.80	7.2
	04	3	1.00	2.2
			1.80	7.0
	05	3	1.10	2.2
			1.80	7.0
	06	3	1.10	2.0
			1.70	6.8
	07	3	1.10	2.0
			1.60	6.4
	08	3	1.20	2.2
			1.80	6.5
	09	3	1.20	2.2
			1.60	6.6
	10	3	1.40	2.5
			2.00	7.0
	11	3	1.10	2.0
			2.40	7.5
	12	3	1.20	2.6
			2.20	7.2
	13 to 23 No record.			
13	00	-	-	-
	01	-	-	-
	02	1	1.50	2.4
	03	1	1.50	2.4
	04	1	1.50	2.4
	05	1	1.50	2.4
	06	1	1.40	2.4
	07	1	1.40	2.4
	08	1	1.50	2.2
	09	1	2.00	2.6
	10	1	2.00	2.6
	11	1	1.80	2.6
	12	1	1.80	2.8
	13	1	1.80	2.6
	14	1	1.90	2.8
	15	1	1.90	2.8
	16	1	1.90	2.8
	17 to 23	No record.		
14	00	-	-	-
	01	1	2.40	2.6
	02	1	2.40	2.8
	03	1	2.40	2.8
	04	1	2.40	2.8
	05	1	2.40	2.8
	06	1	2.40	2.8
	07	1	3.00	3.0
	08	1	3.00	3.0
	09	1	3.00	3.0
	10	1	3.00	3.0
	11	1	3.00	3.0
	12	1	2.80	2.8
	13	1	2.80	3.0
	14	1	2.80	3.0
	15	1	2.60	3.0
	16	1	2.60	3.0
	17	1	2.50	2.8
	18	1	2.40	2.8
	19	1	2.40	2.8
	20	1	2.30	2.8
	21	1	2.30	2.8
	22	1	2.30	2.4
	23	1	2.20	2.4
15	00	1	2.40	2.6
	01	1	2.80	3.0
	02	1	2.80	3.0
	03	1	2.60	2.8
	04	1	2.60	2.8
	05	3	1.80	2.4
			3.20	7.0
	06	3	2.00	2.6
			3.20	7.4
	07	1	2.40	2.8
	08	1	2.40	2.8
	09	1	2.20	2.8
	10	3	1.60	2.8
			2.50	6.8
	11	3	1.80	2.8
			3.00	7.8
	12	3	1.80	3.0
			3.00	7.8
	13	3	2.00	2.8
			3.00	7.8
	14	3	2.00	2.8
			3.00	7.8
	15	3	2.00	2.6
			3.00	7.8
	16	3	1.80	2.4
			3.00	7.8
	17	3	1.70	2.4
			3.00	7.8
	18	3	1.00	2.4
			2.70	7.8
	19	3	1.50	2.4
			2.70	7.8
	20	3	1.50	2.4
			2.70	7.8
	21	3	1.70	2.4
			2.50	7.8
	22	3	1.70	2.4
			2.50	7.4
	23	-	-	-
16	00	-	-	-
	01	1	1.70	2.6
	02	1	1.80	2.8
	03	3	1.50	2.2
			2.60	7.6
16 Contd.	04	3	1.50	2.2
			2.80	7.6
	05	3	1.50	2.4
			2.40	6.8
	06	3	1.40	2.4
			2.40	6.8
	07	3	1.40	2.4
			2.40	6.8
	08	3	1.40	2.4
			2.40	6.8
	09	3	1.30	2.4
			2.40	6.8
	10	1	1.70	2.4
	11	1	1.60	2.4
	12	1	1.50	2.6
	13	1	1.50	2.6
	14	1	1.40	2.4
	15	1	1.30	2.2
	16	1	1.50	2.4
	17	1	1.50	2.4
	18	1	1.50	2.4
	19	1	1.60	2.4
	20	1	1.60	2.4
	21	1	1.60	2.4
	22	-	-	-
	23	-	-	-
17	00	1	1.50	2.4
	01	1	1.50	2.4
	02	1	1.50	2.5
	03	1	1.50	2.4
	04	1	1.40	2.2
	05	1	1.30	2.0
	06	1	1.30	2.0
	07	1	1.30	2.0
	08	1	1.20	2.0
	09	1	1.20	2.0
	10	1	1.20	2.0
	11	1	1.20	2.0
	12	1	1.20	2.2
	13	1	1.30	2.2
	14	1	1.30	2.2
	15	1	1.30	2.0
	16	-	-	-
	17	1	1.30	2.0
	18	1	1.40	2.2
	19	1	1.40	2.2
	20	1	1.50	2.6
	21	1	1.50	2.6
	22	1	1.10	2.2
	23	1	1.10	2.2
18	00	-	-	-
	01	-	-	-
	02	1	1.30	2.2
	03	-	-	-
	04	1	1.00	2.2
	05	1	1.00	2.2
	06	1	1.00	2.2
	07	1	1.00	2.2
	08	1	1.00	2.2
	09	1	1.10	2.2
	10	1	1.10	2.2
	11	1	1.10	2.4
	12	1	1.10	2.4
	13	1	1.10	2.4
	14	1	1.00	2.0
	15 to 23	No record.		
19	00	-	-	-
	01	-	-	-
	02	1	1.10	2.4
	03	-	-	-
	04	1	1.10	2.4
	05	1	1.30	2.5
	06	1	1.30	2.5
	07	1	1.20	2.4
	08	1	1.00	2.4
	09	1	1.00	2.4
	10	1	1.00	2.4
	11	1	1.00	2.4
	12	1	1.00	2.4
	13	1	1.20	2.4
	14 to 23	No record.		
20	00	-	-	-
	06	1	1.00	2.3
	12	1	7.00	2.1
	18	1	7.00	2.0
21	00	-	-	-
	05	-	-	-
	12	1	9.00	2.0
	18	1	1.30	2.2
22	00	1	1.50	2.2
	06	1	1.60	2.5
	12	1	1.70	2.6
	18	1	1.80	2.8
23	00	1	1.50	2.4
	05	-	-	-
	12	1	1.10	2.4
	18	1	1.40	2.6
24	00	-	-	-
	06	1	1.20	2.4
	12	1	1.10	2.4
	18	1	1.40	2.6
25	00	-	-	-
	06	1	1.70	2.8
	12	1	1.60	3.5
	18	-	-	-
26	00	-	-	-
	06	3	1.10	3.0
			6.00	6.5
	12	3	1.10	3.0
			7.00	6.5
	18	-	-	-
27	00	-	-	-
	06	3	1.00	3.0
			7.00	6.5
	12	3	6.00	2.6
			8.00	6.5
	18	-	-	-
28	00	-	-	-
	06	-	-	-
	12	1	5.00	1.4
	18	-	-	-
29	00	-	-	-
	05	1	5.00	1.4
	12	0,0	-	-
	18	-	-	-
30	00	-	-	-
	06	0,0	-	-
	12	1	5.00	1.8
	18	-	-	-
31	00	-	-	-
	05	1	6.00	1.8
	12	1	6.00	2.0
	18	-	-	-

Station : BOMBAY Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	(2)	0.6	4.2
	06	(2)	0.3	4.5
	12	(2)	0.4	4.5
	18	(2)	0.3	3.8
02	00	3	0.4	3.5
			0.3	1.3
	06	3	0.5	3.4
			0.4	1.5
	12	3	0.5	3.3
			0.4	1.5
	18	3	0.5	3.4
			0.4	1.4
03	00	3	0.5	3.0
			0.5	1.5
	06	2	0.7	1.8
	12	3	0.4	4.3
			0.4	1.8
	18	3	0.4	4.1
			0.3	1.9
04	00	3	0.3	4.2
			0.2	1.4
	06	3	0.3	4.1
			0.2	1.4
	12	3	0.5	5.1
			0.2	2.5

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Station: BOMBAY Compt: E.W.

DATE	HOUR GMT	K	MEAN Ampli-	MEAN Period
04	18	3	0.5	4.2
Contd.			0.2	2.0
05	00	3	0.3	4.3
			0.2	2.2
	06	-	-	-
	12	3	0.6	4.8
			0.2	1.7
	18	3	0.5	4.9
			0.2	2.0
06	00	3	0.6	4.1
			0.2	2.0
	06	3	0.7	4.4
			0.2	2.0
	12	3	0.5	4.4
			0.2	1.8
	18	3	0.5	4.4
			0.3	2.0
07	00	3	0.5	3.9
			0.3	2.2
	06	3	0.5	4.5
			0.2	2.2
	12	3	0.3	4.0
			0.2	2.0
	18	3	0.3	4.6
			0.2	1.7
08	00	3	0.5	4.4
			0.2	2.5
	06	-	-	-
	12	2	0.4	4.5
	18	2	0.4	4.3
09	00	2	0.5	4.3
	06	2	0.5	4.7
	12	2	0.5	4.5
	18	3	0.5	4.6
			0.2	1.5
10	00	(3)	0.7	5.0
			0.2	2.0
	01	3	0.6	5.2
			0.2	1.8
	02	3	0.5	4.7
			0.2	2.0
	03	3	0.5	4.2
			0.3	2.2
	04	-	-	-
	05	3	0.5	4.6
			0.2	1.5
	06	3	0.5	5.3
			0.2	1.8
	07	3	0.4	4.4
			0.3	2.5
	08	-	-	-
	09	-	-	-
	10	3	0.5	5.1
			0.3	2.7
	11	3	0.5	4.8
			0.3	2.8
	12	3	0.5	5.1
			0.3	2.8
	13	3	0.5	4.9
			0.2	2.3
	14	3	0.5	4.9
			0.2	2.3
	15	3	0.5	5.2
			0.2	2.7
	16	3	0.4	4.5
			0.2	1.6
	17	3	0.4	5.0
			0.3	3.0
	18	3	0.4	5.2
			0.3	3.2
	19	3	0.5	4.8
			0.4	3.5
	20	3	0.5	5.5
			0.4	2.8
	21	3	0.5	5.5
			0.2	2.6
	22	3	0.5	5.2
			0.3	3.0
	23	3	0.5	5.1
			0.4	3.5
11	00	(3)	0.5	5.3
			0.3	3.0
	01	3	0.5	5.6
			0.3	3.0
	02	3	0.5	5.4
			0.3	2.7
	03	3	0.5	5.3
			0.3	3.0
	04	3	0.5	5.4
			0.3	2.6
	05	3	0.5	5.2
			0.3	3.0
	06	3	0.5	5.1
			0.3	2.8
	07	3	0.5	5.4
			0.2	2.0
	08	3	0.5	4.9
			0.4	2.5
	09	3	0.5	5.2
			0.3	2.6
	10	3	0.5	5.6
			0.2	2.0
	11	3	0.5	5.5
			0.4	2.8
	12	3	0.5	5.5
			0.3	3.0
	13	3	0.5	4.9
			0.3	2.8
	14	3	0.5	5.5
			0.3	3.0
	15	3	0.5	5.2
			0.3	3.0
	16	3	0.5	5.1
			0.5	3.5
	17	3	0.4	5.3
			0.2	1.5
	18	3	0.5	5.6
			0.2	1.3
	19	3	0.5	5.2
			0.2	1.4
	20	3	0.5	5.3
			0.2	1.3
	21	3	0.5	5.5
			0.2	1.5
	22	3	0.5	5.3
			0.2	1.7
	23	3	0.4	4.9
			0.2	1.8
12	00	(3)	0.5	5.2
			0.2	1.7
	01	-	-	-
	02	2	0.5	5.2
	03	2	0.5	5.5
	04	3	0.5	5.6
			0.3	2.8
	05	3	0.5	5.3
			0.4	3.0
	06	3	0.5	5.1
			0.4	3.0
	07	3	0.5	5.6
			0.3	2.6
	08	3	0.6	5.2
			0.2	2.2
	09	3	0.6	5.3
			0.2	2.3
	10	3	0.5	5.2
			0.3	2.6
	11	3	0.5	5.9
			0.4	3.0
	12	3	0.5	5.9
			0.3	2.7
	13	3	0.5	5.7
			0.2	2.7
	14	3	0.7	6.0
			0.2	2.7
	15	3	0.5	6.0
			0.3	2.7
	16	3	0.7	5.8
			0.2	2.5
	17	3	0.7	6.0
			0.3	3.0
	18	3	0.7	5.7
			0.3	3.0
	19	3	0.6	5.8
			0.2	3.0
	20	3	0.5	6.0
			0.3	3.2
	21	3	0.5	5.7
			0.3	3.2
	22	3	0.5	5.0
			0.2	2.7
	23	3	0.5	6.0
			0.2	3.0
13	00	3	0.5	5.5
			0.3	3.0
	01	3	0.5	5.5
			0.2	3.0
	02	3	0.5	5.2
			0.3	2.5
	03	3	0.5	5.9
			0.3	2.7
	04	3	0.5	5.2
			0.3	2.3
	05	3	0.7	5.9
			0.3	2.5
	06	3	0.7	5.3
			0.2	2.2
	07	3	0.5	5.8
			0.2	2.2
	08	3	0.6	5.1
			0.3	2.8
	09	3	0.6	5.4
			0.3	3.0
	10	3	0.5	4.6
			0.3	2.9
	11	3	0.6	5.5
			0.2	2.7
	12	3	0.5	5.8
			0.3	2.8
	13	3	0.5	6.2
			0.3	2.7
	14	3	0.7	6.0
			0.2	2.5
	15	3	0.5	5.8
			0.2	1.5
	16	3	0.6	5.6
			0.2	1.5
	17	3	0.5	5.5
			0.2	1.6
	18	3	0.5	6.0
			0.2	1.9
	19	3	0.5	4.7
			0.3	1.8
	20	3	0.6	4.3
			0.3	1.7
	21	3	0.5	5.2
			0.2	1.7
	22	3	0.6	4.5
			0.2	1.7
	23	3	0.5	3.8
			0.2	1.9
14	00	(3)	0.5	4.7
			0.2	1.7
	01	3	0.6	4.1
			0.2	1.8
	02	3	0.5	5.3
			0.4	3.0
	03	3	0.5	5.6
			0.4	3.0
	04	3	0.5	5.1
			0.4	3.2
	05	3	0.6	5.3
			0.8	2.8
	06	3	0.7	4.1
			0.3	2.0
	07	3	0.7	4.0
			0.5	2.2
	08	-	-	-
	09	-	-	-
	10	3	0.7	3.8
			0.5	2.3
	11	3	0.5	4.3
			0.5	2.3
	12	3	0.5	3.9
			0.3	2.0
	13	3	0.7	3.9
			0.3	2.0
	14	3	0.5	4.0
			0.3	1.8
	15	3	0.7	4.2
			0.2	1.6
	16	3	0.7	4.6
			0.2	1.9
	17	3	0.6	4.5
			0.3	2.0
	18	3	0.7	4.2
			0.2	1.7
	19	3	0.7	4.2
			0.2	2.0
	20	3	0.5	4.0
			0.4	2.0
	21	3	0.7	4.0
			0.4	2.0
14	22	3	0.6	4.4
Contd.			0.4	2.3
	23	3	0.7	4.2
			0.8	2.3
15	00	(3)	0.7	5.0
			0.3	2.0
	01	3	0.6	3.9
			0.4	2.0
	02	3	0.5	6.7
			0.5	2.2
	03	3	0.6	6.0
			0.4	2.0
	04	3	0.7	5.9
			0.4	2.0
	05	3	0.7	5.5
			0.5	2.1
	06	3	0.5	4.9
			0.5	2.0
	07	3	0.7	6.1
			0.4	2.0
	08	3	0.6	5.4
			0.4	1.7
	09	3	0.7	5.2
			0.3	1.9
	10	3	0.6	5.5
			0.4	2.0
	11	3	0.7	5.8
			0.2	1.5
	12	3	0.7	5.9
			0.3	2.3
	13	3	0.7	5.6
			0.3	1.7
	14	3	0.5	4.7
			0.2	1.6
	15	3	0.6	5.3
			0.2	1.4
	16	3	0.7	4.8
			0.2	1.7
	17	3	0.6	5.5
			0.3	1.7
	18	3	0.5	5.5
			0.3	1.8
	19	3	0.6	6.1
			0.3	1.9
	20	3	0.6	5.4
			0.2	1.7
	21	3	0.6	5.3
			0.2	2.0
	22	3	0.6	5.0
			0.2	2.0
	23	3	0.6	4.7
			0.3	1.8
16	00	(3)	0.7	6.0
			0.3	2.0
	01	3	0.7	5.2
			0.4	2.0
	02	3	0.5	5.4
			0.2	1.7
	03	3	0.5	5.0
			0.2	1.5
	04	3	0.7	5.1
			0.4	1.4
	05	3	0.5	5.3
			0.3	1.5

International Seismological Centre From the ISC collection scanned by SISMOS

Station: BOMBAY Compt: E.W. December 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
15	06	3	0.6	5.1
Contd.			0.3	1.5
	07	3	0.7	5.5
			0.4	1.5
	08	3	.7	5.9
			0.4	1.5
	09	3	0.7	5.4
			0.4	1.5
	10	3	0.7	5.4
			0.3	1.4
	11	3	0.7	5.4
			0.4	1.5
	12	3	0.7	4.4
			0.3	1.5
	13	3	0.7	4.8
			0.4	1.7
	14	3	0.5	5.3
			0.4	1.9
	15	3	0.5	4.4
			0.4	1.6
	16	3	0.6	4.5
			0.4	1.5
	17	3	0.5	5.0
			0.3	1.8
	18	3	0.7	4.3
			0.4	1.6
	19	3	0.6	4.2
			0.4	1.9
	20	3	0.5	4.3
			0.3	1.4
	21	3	0.5	4.5
			0.2	1.3
	22	3	0.5	4.7
			0.2	2.0
	23	3	0.5	4.8
			0.2	1.8
17	00	(3)	0.5	4.9
			0.2	2.3
	01	3	0.5	4.2
			0.2	2.3
	02	3	0.5	4.1
			0.2	1.3
	03	3	0.6	5.0
			0.2	1.6
	04	3	0.5	4.3
			0.2	1.3
	05	3	0.7	4.3
			0.2	1.3
	06	3	0.5	4.4
			0.2	1.4
	07	3	0.6	4.1
			2.0	1.5
	08	3	0.5	4.4
			0.2	1.6
	09	3	0.5	4.2
			0.2	1.5
	10	3	0.5	4.2
			0.2	1.4
	11	3	0.5	4.5
			0.2	1.4
	12	3	0.5	4.2
			0.2	1.4
	13	3	0.5	4.2
			0.2	1.4
	14	3	0.4	3.9
	15	2	0.4	4.0
	16	-	-	-
	17	2	0.5	4.2
	18	2	0.5	5.0
	19	2	0.4	4.5
	20	2	0.5	5.1
	21	-	-	-
	22	2	0.5	5.8
	23	3	0.4	6.0
			0.4	2.6
18	00	(3)	0.6	5.7
			0.3	3.5
	01	3	0.5	5.5
			0.4	3.0
	02	3	0.5	5.0
			0.4	2.8
	03	3	0.6	6.3
			0.4	3.0
	04	3	0.5	5.9
			0.3	3.0
	05	3	0.5	6.2
			0.3	3.3
	06	3	0.5	5.8
			0.4	3.1
18	07	3	0.5	5.6
Contd.			0.4	3.0
	08	-	-	-
	09	3	0.5	5.5
			0.3	3.0
	10	3	0.5	5.5
			0.4	3.0
	11	3	0.5	5.7
			0.4	3.2
	12	3	0.4	4.8
			0.4	3.2
	13	3	0.4	5.1
			0.4	3.0
	14	3	0.4	5.6
			0.4	3.0
	15	3	0.4	5.3
			0.4	2.8
	16	3	0.5	5.6
			0.3	3.0
	17	3	0.5	5.4
			0.2	3.0
	18	3	0.5	5.5
			0.3	3.0
	19	3	0.5	5.6
			0.4	3.5
	20	3	0.5	5.4
			0.2	3.0
	21	3	0.5	5.8
			0.2	3.0
	22	3	0.5	5.3
			0.2	3.0
	23	3	0.6	5.8
			0.2	3.1
19	00	(3)	0.5	5.2
			0.2	3.3
	01	3	0.5	5.0
			0.3	3.0
	02	3	0.7	5.1
			0.4	3.0
	03	3	0.5	5.2
			0.4	3.2
	04	3	0.5	6.4
			0.3	3.3
	05	3	0.5	6.3
			0.4	3.5
	06	3	0.5	5.0
			0.4	3.5
	07	3	0.6	6.4
			0.4	3.3
	08	3	0.5	6.1
			0.4	3.5
	09	3	0.5	6.4
			0.4	3.0
	10	3	0.5	5.2
			0.2	2.6
	11	3	0.5	5.9
			0.3	2.2
	12	-	-	-
	13	3	0.5	5.6
			0.4	3.2
	14	3	0.4	5.7
			0.3	2.7
	15	3	0.5	5.9
			0.4	3.5
	16	3	0.5	5.9
			0.5	3.5
	17	3	0.5	6.0
			0.5	3.5
	18	3	0.5	5.3
			0.5	3.3
	19	-	-	-
	20	-	-	-
	21	3	0.5	5.9
			0.5	3.0
	22	2	0.5	3.4
	23	2	0.5	3.4
20	00	2	0.5	3.5
	06	2	0.5	3.3
	12	2	0.5	3.4
	18	2	0.5	3.5
21	00	2	0.5	3.3
	06	-	-	-
	12	2	0.5	3.5
	18	2	0.6	3.3
22	00	2	0.5	3.3
	06	3	0.6	3.1
			0.2	2.0
			0.5	3.5
22	12	3	0.5	3.5
Contd.			0.5	1.9
	18	3	0.7	4.1
			0.7	1.8
23	00	-	-	-
	03	(1)	0.9	2.9
	06	(1)	1.0	2.9
	09	(1)	1.1	2.9
	12	(1)	0.9	2.8
	15	-	-	-
	18	-	-	-
	21	-	-	-
24	00	3	0.6	3.2
			0.2	1.6
	06	3	0.5	5.6
			0.6	3.0
	12	3	0.5	5.4
			0.6	2.8
	18	3	0.5	4.8
			0.4	1.5
25	00	3	0.5	4.8
			0.4	2.9
	06	3	0.5	4.8
			0.3	2.0
	12	3	0.5	5.5
			0.6	3.0
	18	3	0.5	4.8
			0.3	1.5
25	00	(3)	0.5	4.9
			0.5	2.0
	06	(3)	0.5	4.8
			0.3	2.0
	12	(3)	0.5	4.9
			0.6	2.5
	18	(3)	0.5	4.7
			0.6	1.6
27	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	(1)	0.7	2.5
	21	(1)	0.9	2.6
28	00	(1)	0.9	2.7
	03	(1)	1.3	2.9
	06	-	-	-
	09	(1)	0.7	3.1
	12	(1)	0.8	2.9
	15	(1)	0.8	2.7
	18	(1)	0.9	2.8
	19	(1)	0.9	3.1
29	00	(1)	0.9	3.0
30	00	3	0.5	5.2
			0.3	2.5
	06	3	0.5	5.1
			0.3	2.3
	12	3	0.5	5.2
			0.5	3.0
	18	3	0.5	5.1
			0.4	2.5
31	00	3	0.5	4.6
			0.2	2.5
	06	3	0.5	5.1
			0.2	1.9
	12	3	0.5	5.2
			0.2	2.5
	18	-	-	-

Station: MADRAS Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
02	00	3	0.3	2.4
	03	3	0.3	2.5
	06	3	0.2	2.4
02	12	3	0.3	2.5
Contd.	18	3	0.3	2.6
03	00	3	0.3	2.5
	03	3	0.3	2.5
	06	3	0.4	2.7
	12	3	0.4	2.7
	18	1	0.5	2.9
04	00	1	0.6	2.6
	03	1	0.5	2.6
	06	1	0.5	2.7
	12	1	0.6	2.8
	18	3	0.5	2.8
05	00	3	0.5	2.7
	03	3	0.5	2.7
	06	3	0.6	2.9
	12	3	0.6	2.8
	18	3	0.5	2.9
06	00	3	0.5	2.9
	03	3	0.5	2.7
	06	3	0.4	2.5
	12	3	0.4	2.6
	18	3	0.3	2.8
07	00	3	0.3	2.5
	03	3	0.4	2.8
	06	3	0.3	2.5
	12	3	0.4	2.9
	18	3	0.3	2.9
08	00	3	0.4	2.9
	03	3	0.3	2.9
	06	3	0.4	2.6
	12	3	0.3	2.8
	18	3	0.3	2.7
09	00	3	0.3	2.6
	03	3	0.4	2.7
	06	-	-	-
	12	2	0.4	2.6
	18	3	0.4	2.8
10	00	3	0.5	2.8
	03	3	0.4	2.6
	06	3	0.5	2.6
	09	3	0.5	2.7
	12	3	0.5	2.7
	15	3	0.5	2.5
	18	3	0.5	2.7
	21	3	0.5	2.5
11	00	3	0.5	2.7
	03	3	0.5	2.8
	06	3	0.5	2.8
	09	3	0.5	2.9
	12	3	0.5	3.0
	15	3	0.5	3.0
	18	3	0.4	2.8
	21	3	0.5	2.9
12	00	3	0.4	2.8
	03	3	0.5	2.8
	06	3	0.4	2.8
	09	3	0.4	2.9
	12	3	0.4	2.8
	15	3	0.4	2.7
	18	3	0.4	2.8
	21	3	0.4	2.8
13	00	3	0.4	2.7
	03	-	-	-
	06	3	0.5	2.7
	09	3	0.5	2.7
	12	3	0.5	2.7
	15	3	0.5	2.8
	18	3	0.5	2.8
	21	3	0.5	2.9
14	00	3	0.4	2.8
	03	3	0.5	3.0
	06	3	0.5	2.8
	09	3	0.5	2.9
	12	3	0.5	3.1
	15	3	0.6	3.1
	18	3	0.5	3.3
	21	3	0.7	3.2
15	00	3	0.7	3.2
	03	3	0.5	3.1

International Seismological Centre From the ISC collection scanned by SISMOS

Station: MADRAS Compt: E.W. December 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
15	06	3	0.6	3.2
Contd.	09	3	0.6	3.1
	12	3	0.6	3.0
	15	3	0.7	3.3
	18	3	0.7	3.1
	21	3	0.8	3.2
16	00	3	0.7	3.3
	03	3	0.7	3.1
	06	-	-	-
	09	3	0.6	2.9
	12	3	0.5	3.1
	15	3	0.6	3.3
	18	3	0.6	3.0
	21	3	0.7	3.1
17	00	3	0.7	3.0
	03	3	0.5	2.8
	06	3	0.5	2.7
	09	3	0.5	2.8
	12	3	0.5	2.8
	15	3	0.5	2.8
	18	3	0.5	2.9
	21	3	0.6	2.8
18	00	3	0.5	2.7
	03	3	0.4	2.7
	06	3	0.5	2.6
	09	3	0.5	2.7
	12	3	0.6	2.7
	15	3	0.6	2.8
	18	3	0.5	2.8
	21	3	0.5	2.8
19	00	3	0.4	2.8
	03	3	0.4	2.9
	06	3	0.4	2.8
	09	3	0.5	2.9
	12	3	0.5	3.0
	15	3	0.4	2.9
	18	3	0.5	3.0
	21	3	0.5	3.0
20	00	3	0.4	2.9
	03	3	0.5	2.9
	06	3	0.5	2.9
	12	3	0.5	3.0
	18	3	0.5	3.0
21	00	3	0.4	3.1
	03	3	0.4	3.0
	06	-	-	-
	12	3	0.4	3.1
	18	3	0.5	3.1
22	00	3	0.5	3.0
	03	3	0.4	3.0
	06	3	0.4	3.0
	12	3	0.5	3.0
	18	3	0.5	3.0
23	00	3	0.5	2.9
	03	3	0.5	2.8
	06	3	0.5	2.9
	12	3	0.5	3.0
	18	3	0.5	3.1
24	00	3	0.5	3.1
	03	3	0.5	2.9
	06	3	0.5	3.0
	12	3	0.5	3.0
	18	3	0.5	3.0
25	00	3	0.5	2.9
	03	3	0.5	3.0
	06	3	0.4	3.0
	12	3	0.5	3.1
	18	3	0.5	3.0
26	00	3	0.4	3.0
	03	3	0.3	2.9
	06	3	0.3	2.9
	12	3	0.3	2.9
	18	3	0.3	2.8
27	00	3	0.3	2.9
	03	3	0.3	2.9
	06	3	0.3	2.8
	12	3	0.3	2.9
	18	3	0.3	2.9
28	00	3	0.3	2.9
	03	3	0.3	3.0
	06	-	-	-
	12	3	0.3	2.9
	18	3	0.2	3.1
29	00	3	0.3	2.8
	03	3	0.2	2.8
	06	3	0.2	2.5
	12	3	0.2	2.5
	18	3	0.2	2.4
30	00	3	0.2	2.4
	03	3	0.2	2.2
	06	3	0.2	2.1
	12	3	0.2	1.9
	18	3	0.2	2.1
31	00	3	0.2	2.0
	03	3	0.2	2.0
	06	3	0.1	1.7
	12	3	0.1	1.4
	18	3	0.1	1.5

Station: HOWRAH Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06		-	-
	12		-	-
	18		1.1	5.2
02	00		1.1	4.9
	06		-	-
	12		-	-
	18		2.0	5.4
03	00		1.5	5.3
	06		-	-
	12		-	-
	18		-	-
04	00		1.5	5.3
	06		-	-
	12		-	-
	18		1.9	5.5
05	No record			
06	00		-	-
	06		-	-
	12		-	-
	18		1.5	4.8
07	00		1.3	4.8
	06		-	-
	12		-	-
	18		-	-
08	00		1.5	4.8
	06		-	-
	12		-	-
	18		-	-
09	00		-	-
	06		-	-
	12		-	-
	18		1.4	5.1
10	00		1.6	5.0
	02 to 17		No record.	
	18		1.7	5.1
	19		1.6	4.9
	20		1.6	4.8
	21		1.6	5.0
	22		1.7	5.1
11	00		1.6	5.0
	06		-	-
	12		-	-
	18		1.8	5.1
	19		1.5	5.1
	20		1.4	5.0
	21		1.5	5.1
	22		1.6	5.2
	23		1.4	5.0
12	00		1.5	5.0
	06		-	-
	12		-	-
	18		1.5	5.0
13	00		1.6	5.5
	06		-	-
	12		-	-
	18		-	-

14 and 15 No record.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
16	00		-	-
	06		-	-
	12		-	-
	18		1.3	4.7
17	00		1.5	4.9
	06		-	-
	12		-	-
	18		-	-
18	00		-	-
	06		-	-
	12		-	-
	18		1.4	4.7
19	00		1.4	5.1
	06		-	-
	12		-	-
	18		1.3	5.1
20	00		1.5	5.5
	06		-	-
	12		-	-
	18		1.5	5.0
21	00		-	-
	06		-	-
	12		-	-
	18		1.5	4.7
22	00		1.5	4.9
	06		-	-
	12		-	-
	18		1.5	5.1
23	00		1.5	5.1
	06		-	-
	12		-	-
	18		-	-
24	No record			
25	00		1.6	5.2
	06		-	-
	12		-	-
	18		-	-
26	No record			
27	00		1.4	5.1
	06		-	-
	12		-	-
	18		-	-
28	00		1.3	4.9
	06		-	-
	12		-	-
	18		-	-
29	00		1.2	4.7
	06		-	-
	12		-	-
	18		1.4	5.3
30	00		1.4	5.4
	06		-	-
	12		-	-
	18		-	-

Component: N.S.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00		2.0	5.3
	06		-	-
	12		2.0	5.0
	18		1.5	5.0
02	00		1.5	5.1
	06		-	-
	12		1.8	5.2
	18		1.6	5.4
03	00		1.5	4.9
	06		-	-
Contd.	12		-	-
	18		1.5	5.0
04	00		1.5	4.9
	06		-	-
	12		-	-
	18		1.6	5.2
05	00		2.3	5.7
	06		-	-
	12		1.8	5.0
	18		1.5	5.2
06	00		1.5	5.3
	06		-	-
	12		1.7	4.9
	18		1.2	4.8
07	00		1.8	5.1
	06		-	-
	12		1.7	5.3
	18		1.5	4.8
08	00		1.3	4.7
	06		-	-
	12		1.9	5.1
	18		1.4	5.0
09	00		1.8	5.0
	06		1.5	4.7
	12		2.0	5.3
	18		1.3	4.8
10	00		1.8	5.0
	06		-	-
	12		1.7	5.0
	15		1.8	4.4
	16		2.8	5.2
	17		2.3	5.4
	18		1.9	5.2
	19		1.9	5.2
	20		2.0	5.3
	21		1.9	5.1
	22		2.2	5.7
	23		1.8	5.1
11	00		1.9	5.4
	01		2.3	5.4
	02		2.1	5.3
	03		2.0	5.0
	04		2.0	5.1
	05		1.9	5.1
	06		-	-
	07		2.0	5.1
	08		2.2	4.9
	09		-	-
	10		-	-
	11		2.1	5.4
	12		1.9	5.1
	13		1.8	4.7
	14		1.8	4.5
	15		1.9	5.4
	16		1.8	5.2
	17		1.8	5.1
	18		1.6	4.5
	19		1.5	5.0
	20		2.1	5.3
	21		2.2	5.5
	22		1.6	5.3
	23		1.5	4.8
12	00		1.9	5.0
	02		-	-
	12		2.2	5.5
	18		2.3	5.3
13	00		2.1	5.4
	01		2.1	5.6
	02		2.0	5.3
	03		2.0	5.5
	04		2.1	5.5
	05		2.1	5.3
	06		1.9	5.5
	07		2.0	5.4
	08		1.8	5.6
	09		1.7	5.3
	10		1.9	5.6
	11		2.0	5.5
	12		1.7	5.3

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DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
Sttion : HOWRAH	Compt: N.S.		December 1958	Component: Vertical
13	13		1.7	5.5
Contd.	14		1.9	5.9
	15		1.5	4.9
	16		1.8	5.5
	17		1.9	5.5
	18		1.5	5.8
	19		1.4	5.0
			1.1	3.7
	20		2.2	5.3
			1.5	5.5
	21		1.8	5.5
	22		1.5	5.0
	23		1.8	5.1
14	00		2.2	5.2
	06		-	-
	12		1.5	5.2
	18		1.3	4.7
15	00		1.9	5.0
	06		-	-
	12		-	-
	18		1.5	4.9
16	00		1.4	4.4
	06		-	-
	12		-	-
	18		1.3	4.9
17	00 to 17		No record.	
	18		1.3	4.7
	19		1.6	5.1
	20		1.7	5.3
	21		1.8	5.4
	22		1.7	5.1
	23		1.6	5.0
18	00		1.5	5.2
	06		-	-
	12		-	-
	18		1.3	5.2
19	00		1.5	4.8
	06		-	-
	12		-	-
	18		1.6	5.2
20	00		1.3	4.6
	06		-	-
	12		-	-
	18		1.7	4.9
21	00		1.2	4.8
	06		-	-
	12		1.4	4.5
	18		1.5	5.1
22	00		1.6	5.1
	06		-	-
	12		2.0	5.2
	18		2.6	5.5
23	00		-	-
	06		2.9	5.9
	12		2.2	5.2
	18		2.8	5.2
24	00		2.0	5.5
	06		-	-
	12		-	-
	18		1.5	4.5
25	00		1.7	5.1
	06		2.2	5.2
	12		1.6	4.4
	18		1.8	5.1
26	00		1.4	5.0
	06		-	-
	12		2.1	5.2
	18		1.5	5.2
27	00		1.5	5.1
	06		2.2	5.2
	12		2.2	5.2
	18		1.9	5.2
28	00		1.7	5.1
	06		-	-
	12		2.0	5.2
	18		1.9	5.1
29	00		1.4	5.1
	06		-	-
	12		-	-
	18		1.6	5.4
30	00		1.7	5.3
	06		-	-
	12		1.8	4.7
	18		2.0	5.1
31	00		1.7	5.3
	06		-	-
	12		-	-
	18		1.7	5.5
Component: Vertical				
01 to 04			No record.	
05	00		-	-
	06		1.5	4.7
	12		0.7	5.0
	18		-	-
06 and 07			No record.	
08	00		-	-
	06		1.1	5.0
	12		-	-
	18		-	-
09	00		-	-
	06		1.2	4.9
	12		-	-
	18		-	-
10	No record.			
11	00		-	-
	06		0.9	4.3
	12		-	-
	18		0.6	4.5
	19		0.6	3.5
	20		0.7	3.7
	21		-	-
	22		-	-
	23		0.7	4.0
12	00		0.7	4.5
	06		-	-
	12		-	-
	18		-	-
13	00		0.9	4.9
	06		1.4	5.5
	12		-	-
	18		-	-
14	00		0.9	4.4
	06		0.7	4.1
	12		-	-
	18		-	-
15	00		-	-
	06		1.0	4.0
	12		-	-
	18		-	-
16	00		0.7	3.7
	06		-	-
	12		-	-
	18		-	-
17	00		-	-
	06		-	-
	07		1.1	4.1
	09		1.0	4.1
	10		0.8	4.5
	11		0.8	3.9
	19		0.6	3.6
	20		0.7	4.4
	21		0.7	3.8
	22		0.9	4.3
	23		0.7	3.8
18	00		0.9	3.7
	06		-	-
	12		0.9	4.0
	18		0.9	4.1
19	00		0.8	3.9
	06		-	-
	12		-	-
	18		0.7	4.0
20	00		0.7	3.7
	06		-	-
	12		-	-
	18		-	-
21 to 29			No record.	
30	00		1.4	3.9
	06		-	-
	12		-	-
	18		0.8	4.0
31	00		-	-
	06		-	-
	12		-	-
	18		1.0	4.1

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7-12-02

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

Feb.

Published under the direction of
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Director General of Observatories

International Seismological Centre From the ISC collection scanned by SISMOS

List of Seismograph stations with their Instruments

Station	Latitude	Longitude	Height a.s.l. (Metres)	Lithographic foundation	Instrument	Comp.	Period in secs	Static Magnification	Damping ratio	Paper speed mm/min
Bombay	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
Bokaro	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	960	h=0.8	60
					Wood-Anderson	N	0.8	1000	h=0.8	60
Calcutta	22°32'N	88°22'E	(1) 7(Milne-Shaw) (2) 6(Omori-Ewing)	Alluvium	Milne-Shaw	E	12	250	20:1	8
					Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
					Omori-Ewing	E	21	30	-	25.4
Chatra	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72 secs	Tg=0.45 secs	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
Colombo	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
Dehra Dun	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
Hyderabad	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
Kodaikanal	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
Madras	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
New Delhi	28°35'N	77°12'E	207	Massive Quartzite						
Poona	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
Port Blair	11°40'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
Shillong	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0.8	30
					Wood-Anderson	E	0.8	1000	h=0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To=1.0	Tg=0.18	-	60
					Sprengnether	E	To=Tg=6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
Tocklai	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h=0.8	60
Vizianagram	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h=0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
			February 1958			
01	SHILLONG	Z	ePg	03 04 00		Feeble, local
01	SHILLONG	Z	eP	13 14 52		Feeble, near
			e	15 31		
01	SHILLONG	Z, N, E	iP	13 29 18	410	Magnitude ~4¾
		E	P*/PP	29 26		
		N, E	Pg/PPP	29 32		
			iS	30 04		
		E	S*	30 13		
		Z, N, E	Sg	30 21		
	CHATRA	Z	iP	13 30 01		Slight
		Z, E	i	32 03		
01	CHATRA	Z	iP	15 14 03	790	Feeble
			iS	15 25		
01	Epc: 2°N, 79°W. Near Coast of Ecuador Felt: Esmeraldas. - H = 16h 10m 15s (U.S.C.G.S) Mag: 6¾ - 7 (Pas), (Berk), (Shillong).					
	DEHRA DUN	N, E	ePKP	16 29 49		
			i	32 46		
			i	45 14		
			i	51 21		
	AGRA	Z, N, E	iPKP	16 29 50		Compression
		N, E	iPPP	33 02		
			iSKS	36 14		
			iPS	39 50		
			iSSS	51 26		
	BOMBAY	N, E	iPKP1	16 29 57	16100	
			e	30 47		
		N	PKS2	34 01		
		N, E	e	37 34		
			SKKS1	40 01		
			SKKKS	41 05		
		N	PPS	45 58		
		N, E	e	48 58		
			eSS	52 04		
		N	SSP	53 03		
			e	54 30		
		E	M	17 44 41		Per. ~19 secs μ ~ 5
		N	M	47 58		Per. ~18 secs μ ~14
	POONA	Z	iPKP1	16 29 57	16630	
		N	PP	33 35		
			SKKS1	40 20		
			SKSP	43 55		
			SS	53 04		
			Mn	17 37 --		Per. ~15 secs μ ~12
	BOKARO	N, E	ePKP	16 29 59		
			i	33 51		
	SHILLONG	ZNE	iPKP1	16 30 03	16890	Compression
		N, E	iPKP2	30 26		
			PP	33 55		
			PPP	37 24		
			PPS	46 52		
			SS	53 22		
			SSS	59 40		
			Lr	17 19 33		
			M	34 35		Per. ~19 secs μ ~ 7
	CHATRA	Z, E	iPKP	16 30 03		
	HYDERABAD	N	e	16 30 06		
			e(PKP1)	30 27		
			e	32 27		
		E	e	33 38		
		N, E	e	37 09		
		N	e	42 48		
			e	43 57		
		E	e	49 45		
			e	53 28		
		N	e	17 04 07		
			e	09 42		
		E	e	20 57		Per. ~18 secs μ ~21
	CALCUTTA	E	iPKP1	16 30 11	17780	First movement East
			PP	34 22		
			SKKS1	40 27		
			SS	53 37		
			SSP	54 37		
			SSS	17 00 09		
			M	36 07		
			Mn	54 10		Per. ~18 secs μ ~33
01	COLOMBO Contd.	E	e	16 30 11		
			e	34 27		
			e	44 29		
			e	17 31 09		
			e	43 24		Amp. ~3.6 mm
			e			
	KODAIKANAL	E	iPKP	16 30 14	9610	First movement West
			e	33 35		
			e	35 29		
			e	40 50		
			e	42 20		
			e	46 41		
			e	50 14		
			e	54 32		
			e	58 59		
			e	17 06 29		Per. ~15 secs μ ~ 5
	MADRAS	E	PKP	16 30 18		
	PORT BLAIR	E	iPKP	16 30 25	17700	
			PP	34 51		
			SKS	37 26		
			i	39 10		
			SKSP	45 08		
			PPS	48 01		
			SS	54 51		
			SSP	55 44		
			M	17 38 02		Per. ~19 secs μ ~83
01	CHATRA	Z	iδ	17 22 29		Slight, distant
		E	eδ			
01	Epc: 2°N, 79°W. Ecuador aftershock Felt: Esmeraldas. - H = 18h 02m 39s (U.S.C.G.S) Mag: 6¾ - 7 (Pas), 6½ (Berk)					
	DEHRA DUN	N, E	ePKP	18 22 16		
	BOMBAY	N, E	iPKP1	18 22 21		
	POONA	Z	iPKP1	18 22 23		
	SHILLONG	ZNE	iPKP1	18 22 28		Compression
		Z	i	22 35		
	MADRAS	E	ePKP	18 22 53		
	COLOMBO	E	e	19 30 21		
			e	35 34		
	HYDERABAD	E	e	19 30 27		Per. ~18 secs μ ~ 6
01	CHATRA	Z	i	19 38 40		Feeble, distant
	SHILLONG	Z	iP	19 39 00		Slight, distant Compression
	POONA	Z	iP	19 39 08		Feeble
	BOMBAY	E	e	19 47 17		Slight
01	SHILLONG	Z	iPg	20 00 49		Feeble, local
01	Epc: 1½°N, 79°W. Ecuador aftershock - H = 20h 45m 45s (U.S.C.G.S) Mag: 6¾ (Pas), 6½ (Berk)					
	BOMBAY	N, E	iPKP1	21 05 29		
	POONA	Z	iPKP	21 05 30		
	SHILLONG	Z	ePKP	21 05 35		
	CHATRA	Z	iPKP	21 05 36		
		E	i	07 52		
	DEHRA DUN	N, E	e	21 05 36		
			i	08 56		
	CALCUTTA	E	i	21 05 42		
			i	09 53		
	MADRAS	E	PKP(?)	21 05 59		
	KODAIKANAL	E	e	21 06 06		
01	Epc: 7°S, 156°E. Solomon Islands - H = 22h 00m 15s (U.S.C.G.S)					
	SHILLONG	Z	iP	22 11 31		Slight Karefsction
	POONA	Z	iP	22 12 53		Feeble

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
01 Contd.	DEHRA DUN	N, E	eP	22 12 56		Feeble
	HYDERABAD	E	e	22 14 24		Per. ≃ 18 secs μ ≃ 6
01	COLOMBO	E	L	22 22 49		
			M	26 34		Amp. ≃ 0.5 mm
01	BOMBAY	N, E	e	22 23 31		Slight
			e	23 58		
02	SHILLONG	Z	iP	02 54 57		Slight, distant
02	SHILLONG	Z	i	03 05 09		Tremor
02	SHILLONG	Z	iP	03 41 01		Slight, distant Compression
02	SHILLONG	Z	i	05 46 46		
02	Epc: 48½°N, 154½°E. Northern Kurile Islands - H ≃ 08h 11m 53s (U.S.C.G.S) Mag: 6½ - 6¾ (Pas)					
	TOCKLAI	E	eP	08 21 02		
	SHILLONG	Z, N, E	iP	08 21 12	5770	Compression. First movement South and West.
	CHATRA	Z	iP	08 21 33		
	DEHRA DUN	N, E	e	08 21 57		
			i	24 07		
			i	29 54		
	AGRA	Z, N, E	iP	08 22 11		Compression, First movement West.
		Z	e	22 26		
			e	25 27		
			e	37 51		
		Z, N, E	e	48 27		Per. ≃ 20 secs AMP. ⌊ 19 mm
	POONA	Z	iP	08 23 09	7700	
		N	iS	32 17		
			PS	32 43		
			M	50 55		
	BOMBAY	N, E	eP	08 23 11	7760	
		E	PP	25 56		
		N, E	eS	32 20		
			PS	32 44		
			PPS	33 12		
			e	33 31		
		N	M	59 28		Per. ≃ 15 secs μ ≃ 3
	PORT BLAIR	E	i	08 30 44		
02	COLOMBO	E	L	09 00 20		
			M	04 50		Amp. ≃ 0.3 mm
02	POONA	Z	iP	09 08 59		Very feeble
	SHILLONG	Z	iP	09 09 05		Slight, distant
02	SHILLONG	Z	iPg	11 48 40		Feeble, local
02	SHILLONG	Z	e	18 58 15		
			i	58 27		
02	CHATRA	Z	i	19 09 06		Feeble, distant
02	SHILLONG	Z	iP	20 59 18		Rarefaction
02	SHILLONG	Z	iP	21 02 07		Rarefaction
02	SHILLONG	Z	iP	22 16 24	190	Slight
			iS	16 47		
		Z, E	iSg	16 50		
02	SHILLONG	Z	i	22 54 53		
			i	55 29		
02	SHILLONG	Z	iPg	23 19 33		Feeble, local
03	SHILLONG	Z	ePg	12 03 20	130	Feeble
			iP	03 21		
			iSg	03 36		
			S	03 39		
03	SHILLONG	Z	iP	14 21 54		Slight, distant Compression
03	Epc: Iran - H ≃ 19h 27m 00s (Shillong)					
03 Contd.	DEHRA DUN	N, E	eP	19 31 39	2290	Slight
		N	PP	31 52		
			iS	35 25		
			SSS	36 14		
			M	38 21		
	AGRA	Z, N, E	iP	19 31 49	2240	Slight. First movement East Compression.
			eS	35 31		
			M	38 39		Per. ≃ 12 secs Amp. ≃ 0.8 mm
	BOMBAY	N, E	eP	19 31 52	2360	Slight
		E	PP	32 18		
		N, E	PPP	32 27		
		E	i	32 38		
		N, E	eS	35 44		
		E	i	35 54		
			Lq	36 09		
		N, E	SS	36 27		
			SSS	36 36		
		E	Lr	37 22		
	POONA	Z	eP	19 32 02	2550	Slight
		N	eS	36 08		
			Lr	37 38		
			M	38 27		
	CHATRA	Z	iPδ	19 33 09	3460	Slight
		E	ePδ			
			iS	38 15		
	SHILLONG	Z, E	eP	19 33 41		Slight
			i	33 44		
	CALCUTTA	E	e	19 37 57		Slight
			i	40 38		
04	CHATRA	Z	i	00 13 52		Feeble, near
04	SHILLONG	Z	i	02 31 55		
	AGRA	N, E	iP	02 34 26		
04	SHILLONG	Z	iP	06 50 25		Slight, distant Compression
04	SHILLONG	Z	iPg	10 09 52	110	Feeble
			iSg	10 04		
04	SHILLONG	Z	iPg	10 31 39	110	Feeble
			iSg	31 51		
04	SHILLONG	Z	eP	10 43 22		Slight, distant
04	SHILLONG	Z	i	10 58 26		
04	SHILLONG	Z	eP	10 59 19		Feeble, near
			e	59 49		
04	DEHRA DUN	N, E	e	11 04 21		Feeble
04	SHILLONG	Z	eP	12 34 54		Slight, distant
04	SHILLONG	Z	iP	12 51 45		Slight, distant Compression
04	SHILLONG	Z	e	15 25 00		
04	SHILLONG	Z	eP	18 37 17		Slight, distant
04	SHILLONG	Z	iP	19 57 26		Slight, distant
04	SHILLONG	Z	iP	20 27 14		Slight, near rarefaction
04	PORT BLAIR	E	iPg	20 45 01	60	Slight
			iSg	45 08		
04	SHILLONG	Z	iP	23 43 03		Slight, distant Compression
05	SHILLONG	Z	iP	03 22 17		Slight, distant Compression
05	SHILLONG	Z	iP	04 43 39		Slight, distant Rarefaction
05	SHILLONG	Z	i	04 44 31		
05	Epc: 47°N, 153°E. Kurile Islands - H ≃ 08h 08m 10s (U.S.C.G.S)					
	SHILLONG	Z	iP	08 17 25		Slight Compression

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DATE	STATION	COMPT	PHASE	G. M. T. h m s	Δ km	REMARKS
05 Contd.	CHATRA	Z	iP	08 17 45		Feeble
	DEHRA DUN	N E	eP	08 18 13		Feeble
	AGRA	Z N E	iP	08 18 26		
	POONA	Z	iP	08 19 23		Slight
	BOMBAY	N E	eP	08 19 26	7840	Slight
			eS	28 39		
		E	e	29 26		
05	SHILLONG	Z	iP	14 05 41		Slight, distant compression
06	Epc 24½°N 122½°E Near North east coast of Formosa H 01h 42m 09s (U S C G S).					
	SHILLONG	Z E	iP	01 48 01	3080	Slight
		E	iS	52 43		
	CHATRA	Z	iP	01 48 42		Slight
		N E	eP			
		E	i	49 13		
	POONA	Z	eP	01 50 34		Feeble
06	SHILLONG	Z	eP	03 54 29		Slight, near
			i	54 59		
			i	55 01		
06	SHILLONG	Z	iPg	15 20 26	130	Feeble
			iSg	20 42		
06	SHILLONG	Z	iP	19 03 17		Slight, near compression
06	SHILLONG	Z	iP	22 19 59		Slight, distant Rarefaction
06	SHILLONG	ZP	iPg	23 45 06	70	Feeble
			iSg	45 14		
07	Epc Near Northwest Coast of Sumatra H 00h 32m 25s (U S C G S)					
	PORT BLAIR	E	eP	00 34 56	1150	Slight
			PP	35 04		
			Lq	36 45		
			iS	36 54		
	MADRAS	E	iP	00 36 47	2180	Slight, first movement East
			PP	37 06		
			PPP	37 14		
			eS	40 23		
			Lq	40 29		
			SS	40 48		
			SSS	41 00		
			Lr	41 23		
	KODAIKANAL	E	e	00 37 03		
	COLOMBO	E	e	00 41 30		
			e	46 55		Amp. 0.4 mm
	SHILLONG	Z	iP	00 37 25		Slight, Compression
		N E	eP			
	CALCUTTA	E	e(P)	00 39 35		Tremor
			e	41 19		
	POONA	Z	eP	00 38 10	3040	Slight
		N	eS	42 50		
			PcS	44 59		
			Lr	45 18		
			M	47 44		
	DEHRA DUN	N E	e(P)	00 38 53		Feeble
			i(S)	44 21		
	BOMBAY	N	e	00 44 32		Feeble
		E	e	45 26		Surface waves
07	SHILLONG	Z	iPg	03 20 25	40	Feeble
			iSg	20 29		
07	SHILLONG	Z	i	04 47 36		
07	SHILLONG	Z	i	05 08 42		
07	SHILLONG	Z	iP	07 06 32		Slight, distant rarefaction
07	SHILLONG	Z	i	07 09 17		
07	PORT BLAIR	E	iPg	10 10 31	60	Slight
			iSg	10 38		
07						
07	SHILLONG	Z	i	11 07 35		
07	DEHRA DUN	N E	e	15 40 49		Feeble
07	SHILLONG	Z	iP	16 04 54		Slight, distant Compression
07	Epc 32°N 103°E Szechwan Province, China H 23h 23m 35s (Shillong) 31½°N 104°E Szechwan Province, China H 23h 23m 30s (U S C G S) Mag 6¼ 6½ (Shillong)					
	SHILLONG	Z N E	iP	23 26 29	1380	Compression
		N E	PP	26 37		First movement
			PPP	26 46		South and West
			Lq	28 38		
			iS	28 49		
			SS	29 03		
			SSS/Lr	29 18		
			M	30 12		Per. 6 secs μ 3
	TOCKLAI	E	eP	23 27 00		
	CHATRA	Z	iP	23 27 12		
		E	i	32 03		
	CALCUTTA	E	iP	23 27 23	1710	First movement
		N	eP	27 27		West
		E	iS	30 17		
		N	iS	30 27		
	BOKARO	N E	iP	23 27 41	1900	First movement.
		N	PP	27 47		South and West
			PPP	28 03		
			iS	30 51		
			SS	30 58		
			Lr	31 32		
			M	33 09		Per. 9 secs μ 11
	PORT BLAIR	N	iP	23 28 32	2730	
			iS	32 51		
	DEHRA DUN	N E	eP	23 28 35	2450	
			PP	29 12		
			iSp	32 34		
			Lq	33 03		
			M	36 16		
	AGRA	Z N E	iP	23 28 39	2540	Compression
			PP	29 09		First movement
			iS	32 46		South and West
			iSS	33 13		
			iSSS	33 31		
			Lq	33 45		
			Lr	34 04		
			M	35 53		Per. 16 secs Amp. 49 mm
	HYDERABAD	E	eP	23 29 19	3230	
			iS	34 11		
			Lq	35 11		
			SS	35 56		
			Lr	37 05		
		N	M	38 19		Per. 9 secs μ 7
		E	M	38 59		Per. 8 secs μ 5
	MADRAS	E	eP	23 29 33	3130	Slight
			PP	30 29		
			PPP	30 41		
			eS	34 19		
			Lq	35 47		
			SS	36 01		
			SSS	36 25		
			Lr	37 16		
			M	39 30		
	POONA	Z	iP	23 29 49	3380	
		N	eS	34 47		
	KODAIKANAL	E	e	23 34 49		Tremor
	BOMBAY	N E	eP	23 29 50		
			PP	30 45		
			eS	35 18		
			Lr	40 12		
		E	M	42 43		Per. 10 secs μ 2
		N	M	42 48		Per. 9 secs μ 6

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
07 Contd.	COLOMBO	E	L	23 47 20		
			M	51 50		Amp. ≈ 0.3 mm
07	SHILLONG	Z	iP	23 46 22		Slight, distant Rarefaction
08	TOCKLAI	E	e	00 47 41		Slight, distant
08	SHILLONG	Z	iP	03 05 26		Slight, distant Rarefaction
08	SHILLONG	Z	e	11 09 32		
08	SHILLONG	Z	iP	14 31 59		Feeble, near
08	SHILLONGP	Z	iP	15 34 51		Slight, distant
08	SHILLONG	Z	iP	15 49 40		Slight, distant Compression
08	SHILLONG	Z	iP	16 14 01		Slight, distant
	CHATRA	Z	iP	16 14 05		Slight
		E	i	15 08		
08	SHILLONG	Z	e	19 01 48		
08	SHILLONG	Z	iP	20 40 54		Feeble, local
08	SHILLONG	Z	iPg	22 10 49	110	Feeble
			iSg	11 03		
08	SHILLONG	Z	iP	23 53 39	270	Slight
			iPg	53 45		
			iSg	54 15		
	CHATRA	Z	iP	23 54 37		Feeble
			iS(?)	56 10		
09	CHATRA	Z	i	00 07 21		Feeble, distant
09	SHILLONG	Z	eP	04 23 04		Feeble, near
			e	23 34		
09	SHILLONG	Z	iP	04 34 47		Slight, distant Rarefaction
09	Epc: 25°N, 91°E. -H ≈ 09h 31m 11s (Shillong) 25°N, 90½°E. East Pakistan - India Border Felt: Sylhet, India and Mymensing, E.Pakistan. -H ≈ 09h 31h 03s (U.S.C.G.S) Mag. ≈ 5 (Shillong) Felt: Gauhati, Shillong, Bindukuri and Kailasahar					
	SHILLONG	Z,N,E	iPg	09 31 29	100	Rarefaction. First movement South and West
		N,E	iSg	31 40		
	CALCUTTA	N	eP	09 31 41	280	
			iS	32 12		
			Sn	32 18		
			Sg	32 20		
	CHATRA	Z,N	iP	09 32 09	560	
		Z,N,E	iS	33 08		
	BOKARO	N,E	iP	09 32 27	500	
		N	PP	32 34		
			P*	32 37		
			iPg	32 47		
			Lq	33 09		
			eS	33 18		
			S*	33 32		
			SSS	33 38		
			iSg	33 45		
	AGRA	Z,N,E	eP	09 33 57	1230	
		Z	iSϕ	36 03		
		N,E	eSϕ			
	DEHRA DUN	N,E	e(P)	09 34 07	1300	
			i(S)	36 20		
	HYDERABAD	E	e(P)	09 34 21	1390	
		N	e(S)	36 42		
		E	e(S)	36 46		
	MADRAS	E	iP	09 34 45	1620	First movement East
			PP	34 58		
			PPP	35 06		
			eS	37 29		
			Lq	37 34		
			SS	37 50		
			SSS	37 58		
			Lr	38 09		
09 Contd.	POONA	Z	iP	09 35 05	1730	Compression
		N	eS	37 59		First movement South and West
	BOMBAY	N,E	eP	09 35 27	1910	
			eS	38 38		
		E	SS	39 08		
09	SHILLONG	Z	iPg	10 18 18	110	Feeble
			iSg	18 31		
09	SHILLONG	Z	iPg	14 20 07	110	Feeble
			iSg	20 19		
09	SHILLONG	Z	e	19 18 33		
			e	19 28		
09	SHILLONG	Z	eP	21 46 29		Slight, distant
09	Epc: 13°N, 121°E. Philippine Islands 12½°N, 121°E. Mindoro, Philippine Islands. - H ≈ 22h 29m 21s (Shillong) - H ≈ 22h 29m 23s (U.S.C.G.S)					
	SHILLONG	Z,N,E	iP	22 35 36	3370	Slight Compression
		E	PP	36 28		
			PPP	36 48		
			S	40 36		
			SS	42 15		
			Lr	43 27		
			M	45 59		
	CALCUTTA	E	eP	22 35 56	3610	Slight
			iS	41 11		
			SS	43 11		
	CHATRA	Z	iP	22 36 14	3870	Slight
		E	iS	41 45		
	BOKARO	E	iP	22 36 20	3890	Slight. First movement North
			iS	41 52		
	MADRAS	E	iP	22 36 59	4440	Moderate
			PP	38 35		First movement East
			PcP	38 47		
			iS	43 05		
			SS	46 03		
			SSS	46 45		
			Lr	48 28		
	HYDERABAD	E	eP	22 37 09	4650	
			eS	43 28		
			PS	43 58		
			Lr	49 19		
			M	51 52		Per. ≈ 18 secs μ ≈ 5
	AGRA	Z,N,E	eP	22 37 20		
	DEHRA DUN	N,E	eP	22 37 37	4580	Slight
		N	PPP	39 38		
			iS	43 52		
			SSS	47 34		
			M	52 13		
	POONA	Z	iP	22 37 49	4960	Slight
		N	eS	44 26		
			PS	44 29		
			PPS	44 37		
			SS	47 25		
			Lr	50 26		
			M	54 17		
	BOMBAY	N,E	eP	22 37 52	5220	
			eS	44 44		
		N	M	58 05		Per. ≈ 15 secs μ ≈ 5
	KODAIKANAL	E	e	22 39 04		Tremor
	COLOMBO	E	L	22 54 02		
			M	57 00		Amp. ≈ 0.4 mm
10	SHILLONG	Z	ePg	05 25 23	50	Feeble
			iSg	25 28		
10	SHILLONG	Z	e	07 35 40		
10	SHILLONG	Z	ePg	08 50 47	110	Feeble
			iSg	51 00		
10	SHILLONG	Z	iP	12 26 57		Slight, distant Compression

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
10	SHILLONG	Z	iP	14 50 41		Slight, distant Compression
10	SHILLONG	Z	i	14 50 51		
10	SHILLONG	Z	eP	18 44 23		Feeble, near
			i	44 25		
10	SHILLONG	Z	iP	19 30 52		Slight, distant
10	SHILLONG	Z	iP	23 04 06		Feeble, local
11	Epc: 9°S, 107½°E Off South Coast of Java H = 00h 46m 02s (U.S.C.G.S)					
	KODAIKANAL	E	e	00 52 36		Tremor
	MADRAS	E	eP	00 52 59		Irregular trace
			e	53 17		
			e	54 23		
			e	55 44		
			e	58 34		
	SHILLONG	Z	iPϕ	00 53 15		Slight Rarefaction
		N, E	ePϕ			
	CHATRA	Z	iP	00 53 42		Slight
		E	i	01 00 11		
	POONA	Z	eP	00 54 05	4850	Slight
		E	PcP	55 44		
			PP	55 54		
			PPP	56 29		
			iS	01 00 35		
			ScS	03 43		
			Lq	04 08		
			SSS	04 31		
			Lr	05 19		
			M	09 55		
	COLOMBO	E	e	01 02 35		
			M	05 30		Amp. ≃1.0 mm
	BOMBAY	E	e	01 04 28		Slight
	AGRA	Z, N, E	eP	00 54 24	5060	Slight
		N, E	iS	01 01 06		
	DEHRA DUN	N, E	e(P)	00 54 50	5230	Slight
			i(S)	01 01 43		
11	CHATRA	Z	iPg	07 35 02	100	Feeble
			iSg	35 15		
11	SHILLONG	Z, N, E	iPg	10 32 39	90	Feeble
		Z, E	iSg	32 50		
			S	32 56		
	CHATRA	Z	iP	10 33 22		Feeble
			i	34 29		
11	SHILLONG	Z	iP	11 44 02		Slight, distant Rarefaction
11	SHILLONG	Z	eP	19 52 51		Slight, distant
11	SHILLONG	Z	iP	20 07 36		Slight, distant Compression
11	SHILLONG	Z	e	21 25 24		
11	SHILLONG	Z	iP	22 32 41		Slight, distant Compression.
12	SHILLONG	Z	iP	02 42 59		Slight, distant
12	SHILLONG	Z	iP	06 45 47		Slight, distant Rarefaction
12	SHILLONG	Z	iP	07 32 18		Slight, distant
12	TOCKLAI	E	eP	17 33 06		Slight, near
	SHILLONG	Z, N, E	iP	17 33 08	420	Slight Rarefaction
		E	PP	33 15		
			ePg	33 23		
		Z, N, E	iS	33 56		
			iSg	34 14		
	CHATRA	Z	iP	17 33 54		Slight
		E	i	36 26		
12	TOCKLAI	E	eP	18 13 29		Slight, near
	SHILLONG	Z	eP	18 13 33		Slight, near
			i	14 20		
			i	14 38		
12	SHILLONG	Z	iPϕ	18 21 43		Slight
		E	ePϕ			Rarefaction
12	Epc: Off northwest Coast of Sumatra H = 18h 17m 12s (Shillong)					
	PORTBLAIR	E	iP	18 19 01	690	Slight
			iS	20 13		
	VIZIANAGRAM	N	iPϕ	18 21 17	1750	Slight, First movement South
		E	ePϕ			
		N, E	iS	24 13		
	MADRAS	E	iP	18 21 18	1780	Moderate.
			PP	21 33		First movement
			PPP	21 40		East
			i	21 51		
			iS	24 16		
			Lq	24 16		
			SS	24 33		
			SSS	24 49		
			Lr	25 02		
			M	26 26		
	CALCUTTA	N	eP	18 21 30	1880	Slight
		E	i	24 29		
		N	iS	24 36		
		E	i	29 51		
	KODAIKANAL	E	e(P)	18 21 37		
	BOKARO	N, E	eP	18 21 47	2070	Slight
			iS	25 12		
	HYDERABAD	N	eP	18 21 54	2150	
			PP	22 12		
			iS	25 27		
			Lq	25 45		
			SS	26 06		
			Lr	26 45		
			M	27 16		Per. ±6 secs μ ≃3
		E	M	28 15		Per. ≃8 secs μ ≃2
	TOCKLAI	E	eP	18 21 56	2100	Slight
			iS	25 24		
	SHILLONG	Z, N, E	eP(?)	18 22 09		Phase not clear due to occurrence of a local tremor
			iS	25 08		
	CHATRA	Z	iP	18 22 09		Slight
		E	i	27 15		
	POONA	Z	iP	18 22 35		Slight
		N, E	e	25 31		
	AGRA	Z, N, E	eP	18 23 16		Slight
			i	23 30		
			i	27 06		
	DEHRA DUN	N, E	e	18 23 17		Tremor
	BOMBAY	N, E	e	18 23 25		
			e	26 52		
			e	27 10		
		E	e	27 48		
		N	e	28 51		Per. ±7 secs μ ±3
		E	e	29 00		Per. ≃6 secs μ ±2
12	CHATRA	Z	iP	19 50 36	170	Slight
			iS	50 57		
12	CHATRA	Z	iP	21 46 40	430	Feeble
			iS	47 27		
12	Epc: 52°N, 175°W. Adreanof Islands, Aleutian Islands H = 23h 43m 45s (U.S.C.G.S) Mag. = 6 (Pas), 5¾-6 (Berk).					
	CHATRA	Z	iP	23 55 22		

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DATE	STAION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					February 1958			
12	AGRA	Z,N,E	iP	23	55	48	8610	Compression
		N	iS	00	05	39		First movement
		Z,E	eS					South and West
			SKS		06	03		
		Z,N,E	M		25	57		Per.≃19 secs Amp.≃13 mm
	PORT BLAIR	E	iP	23	56	09	9180	
			PcP		56	15		
			eS	00	06	26		
	BOMBAY	N,E	eP	23	56	35	9750	
		N	e		56	51		
		N,E	eS	00	07	17		
		N	M		38	41		Per.≃19 secs μ ≃ 2
	POONA	Z	iP	23	56	37	9610	
		N	eS	00	07	14		
13	Epc: 27½°N, 93°E, Northern Assam - H ≃ 00h 11m 38s (Shillong) 27½°N, 92°E Northern Assam - H ≃00h 11m 36s (U.S.C.G.S) Mag.≃ 5½ (Shillong) Felt:- Tezpur, Mazbat, Gauhati, Golaghat, Jorhat, Chaparmukh and Shillong (Assam).							
	SHILLONG	Z,N,E	iP	00	12	13	220	Rarefaction
		N,E	iPg		12	17		First movement
			PP		12	20		North and East
			PPP		12	27		
			iS		12	39		
			SSS		13	36		
	CHATRA	Z	iP	00	12	50		
		Z,N,E	i		14	13		
	CALCUTTA	N,E	eP	00	13	15	760	
		N	PP		13	22		
			Pg		13	49		
			Lq		14	23		
		E	eS		14	31		
		N	eS		14	32		
	BOKARO	N,E	eP	00	13	22		
		N	Lr		14	47		
			e		15	01		
			e		15	18		
	DEHRA DRN	N,E	e(P)	00	14	41	1350	
			i(S)		16	59		
	AGRA	Z,N,E	eP	00	14	43		
			i		16	53		
			e		17	19		
			e		19	18		Amp.≃25 mm
	HYDERABAD	N	eP	00	15	21	1800	
		E	eS		18	21		
		N	SS		18	45		
			i		20	15		
			M		21	34		Per.≃ 8 secs μ ≃ 3
		E	M		21	36		Per.≃ 7 secs μ ≃2
	PORT BLAIR	E	iP	00	15	24	1820	
			eS		18	26		
	MADRAS	E	iP	00	15	57	2090	
			PP		16	12		
			PPP		16	21		
			eS		19	24		
			SS		19	42		
			SSS		19	56		
			Lr		20	16		
			M		21	48		
	POONA	Z	iP	00	16	05	2210	
		N	iS		19	43		
	BOMBAY	N,E	eP	00	16	09	2180	
			eS		19	45		
			SS		19	57		
		E	SSS		20	17		
			Lr		20	49		
		N	M		22	08		Per.≃ 2 secs
		E	M		22	14		Per.≃ 5 secs μ ≃ 5
	VIZIANAGRAM	N	iP	00	16	50		First movement
		E	eP					North
		N	i		18	10		
13	KODAIKANAL Contd.	E	e	00	20	44		Tremor
13	SHILLONG	Z	ePg	00	30	06	110	Feeble
			iSg		30	19		
13	HYDERABAD	N	M	00	37	48		Per.≃15 secs μ ≃ 6
		E	M		37	51		Per.≃15 secs μ ≃ 4
13	SHILLONG	Z	eP	01	00	59	200	Feeble
			iSg		01	27		
13	SHILLONG	Z	eP	01	36	40	240	Feeble
			iSg		37	14		
13	SHILLONG	Z	iP	02	06	37	220	Slight
			iSg		07	07		
13	SHILLONG	Z,N,E	iPg	03	19	09	90	Feeble
			iSg		19	19		
13	SHILLONG	Z	iP	04	29	41		Slight, distant Rarefaction
13	SHILLONG	Z	iP	04	36	57		Slight, distant Compression
13	SHILLONG	Z,N,E	iP	05	49	21	240	Slight
			iPg		49	24		
			iSg		49	54		
13	SHILLONG	Z	e	07	05	33		
			i		06	05		
13	SHILLONG	Z	iP	09	39	23		Slight, distant
13	SHILLONG	Z	iP	09	44	36		Slight, distant Rarefaction
13	SHILLONG	Z,N,E	iPg	12	29	54	90	Felt. Rarefaction
			iSg		30	05		Mag.≃3½
	CHATRA	Z	iP	12	30	39	480	Slight
			iS		31	30		
13	SHILLONG	Z	e	14	06	27		
			i		06	49		
13	SHILLONG	Z	e	14	49	15		
13	SHILLONG	Z	iP	16	38	19		Slight, distant Compression
13	SHILLONG	Z	e	16	41	43		
13	SHILLONG	Z	iP	18	41	36		Slight, distant Compression
14	SHILLONG	Z	iP	00	03	40		Slight, distant
			i		04	07		Rarefaction
14	SHILLONG	Z	iP	00	40	09		Slight, distant Compression
14	SHILLONG	Z	iP	03	09	35		Slight, near
			e		10	10		Rarefaction
14	SHILLONG	Z	iP	09	11	36		Slight, distant Compression
14	SHILLONG	Z	eP	10	27	38		Feeble, near
14	SHILLONG	Z	iP	10	35	58		Slight, distant Compression.
14	SHILLONG	Z	iP	12	01	46		Slight, distant Rarefaction
14	SHILLONG	Z	eP	12	40	06	280	Slight
			ePg		40	13		
			eSg		40	47		
14	CHATRA	Z	iP	12	52	58	810	Slight
		E	iS		54	22		
14	SHILLONG	Z	eP	12	53	42		Slight, distant
14	CHATRA	Z	i	16	22	06		Feeble, near
14	SHILLONG	Z	iP	18	22	35		Slight, distant Compression
14	SHILLONG	Z	eP	18	36	51		Feeble, local

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
14	SHILLONG	Z	iP	19 37 49		Slight, distant Compression
14	SHILLONG	Z	iP	21 18 11		Feeble, near Compression
14	SHILLONG	Z	eP	21 19 55		Slight, near
14	SHILLONG	Z	iPg	22 05 40	100	Feeble
			iSg	05 52		
			iS	05 54		
14	SHILLONG	Z	e	22 43 08		
15	CHATRA	Z	iPg	00 16 52	70	Feeble
			iSg	17 02		
15	CHATRA	Z	iP	00 49 41	160	Feeble
			iS	50 01		
15	CHATRA	Z	iP	01 18 02	140	Slight
		Z,N,E	iS	18 20		
15	DEHRA DUN	N,E	e	01 23 01		Tremor
15	Epc: 44°N, 147°E. Kurile Islands - H = 01h 46m 40s (U.S.C.G.S) Mag.=5 - 6¼ (Pas)					
	SHILLONG	Z,N,E	iP	01 55 23		Compression
		E	i	55 33		
			i	57 17		
			i	57 32		
	CHATRA	Z	i	01 55 47		
	DEHRA DUN	N,E	e(P)	01 56 20	6070	
			i(S)	02 03 59		
	AGRA	N,E	iP	01 56 32	6340	First movement South and West
			iS	02 04 25		
	POONA	Z	eP	01 57 27		
	BOMBAY	N,E	eP	01 57 31	7590	
		N	PP	02 00 05		
		N,E	eS	05 32		
			PS	06 52		
		N	M	29 09		Per.=14 secs $\perp$ = 1
	COLOMBO	E	L	02 30 01		
			M	32 53		Amp.=0.2 mm
15	SHILLONG	Z	iP	04 03 26	220	Feeble
			iSg	03 57		
15	SHILLONG	Z	iP	04 51 29		Slight, distant Compression
15	SHILLONG	Z	iP	05 12 44		Slight, distant
15	SHILLONG	Z	i	07 23 54		Feeble, near
15	SHILLONG	Z	iP	07 24 50		Slight, distant Compression
15	CHATRA	Z	iPg	08 04 24	90	Feeble
			iSg	04 36		
15	SHILLONG	Z	iP	09 07 32		Slight, distant
15	SHILLONG	Z	e	09 55 02		
15	SHILLONG	Z	iP	10 45 42		Slight, distant
15	SHILLONG	Z	i	10 47 54		
15	SHILLONG	Z	iP	11 41 01		Slight, distant
15	CHATRA	Z	iPg	18 15 10	110	Feeble
			iSg	15 25		
15	SHILLONG	Z	e	19 02 13		
15	SHILLONG	Z	iP	21 38 44		Feeble, local
15	SHILLONG	Z	e	22 44 13		
15	SHILLONG	Z	e	22 55 08		
15	SHILLONG	Z	iP	23 27 45	190	Slight
			iSg	28 09		
15	CHATRA Contd.	Z	iP	23 28 28	490	Slight
			iS	29 20		
16	SHILLONG	Z	iP	00 01 48	190	Feeble
16	SHILLONG	Z	ePg	00 04 39		Feeble, near
16	Epc: 39°N, 142°E. Near Coast of Honsu, Japan. - H = 06h 04m 05s (U.S.C.G.S) Mag.= 5 - 6¼ (Pas)					
	SHILLONG	Z	iPP	06 12 12	4790	Compression
		N,E	ePP			
			iS	18 39		
		SSS		22 11		
	CHATRA	Z	iP	06 12 39	5200	
		E	iS	19 30		
	PORT BLAIR	E	iP	06 13 14	5620	
			iS	20 28		
			Lq	28 00		
	DEHRA DUN	N,E	e	06 13 31		
			i	20 40		
	HYDERABAD	N	eP	06 14 09	5640	
			PP	15 07		
			eS	22 20		
			Lr	32 41		
			M	37 07		Per.=18 secs $\perp$ =10
		E	M	37 40		Per.=18 secs $\perp$ = 7
16	MADRAS	E	eP	06 14 13	5720	
			PcP	14 52		
			PP	15 29		
			PPP	17 56		
			iS	22 28		
			PS	22 40		
			PPS	22 53		
			ScS	23 46		
			Lq	29 34		
	POONA	Z	iP	06 14 25	7110	
		N	eS	23 01		
	BOMBAY	N,E	eP	06 14 31	5860	
		E	PcP	15 08		
			PP	16 38		
			PPP	18 22		
			eS	22 53		
		N,E	PS	23 14		
		E	ScS	24 03		
			e	24 32		
		N	SS	25 51		
		F	SS	25 56		
		N	M	41 37		Per.=18 secs $\perp$ = 4
		E	M	43 31		Per.=13 secs $\perp$ = 1
	COLOMBO	E	L	06 46 30		
			M	49 20		Amp.=0.2 mm
16	SHILLONG	Z	i	06 32 55		
16	SHILLONG	Z	iP	06 39 32		Slight, distant Rarefaction
16	SHILLONG	Z	iP	07 50 55		Slight, distant Rarefaction
16	SHILLONG	Z	iP	13 34 51		Feeble, near Compression
16	DEHRA DUN	N,E	e	13 38 47		Tremor
16	SHILLONG	Z	iP	13 39 51		Slight, distant
16	SHILLONG	Z	iP	15 39 16		Slight, distant Compression
16	DEHRA DUN	N,E	e	16 55 18		Tremor
16	SHILLONG	Z	iP	16 58 21	240	Slight,
			iSg	58 55		Rarefaction
	TOCKLAI	E	eP	16 58 37		Slight, near
16	SHILLONG	Z	eP	19 01 46		Slight, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
16	SHILLONG	Z	iP	19 16 04		Slight, distant Compression
16	SHILLONG	Z	iP	20 03 11	340	Slight
			iSg	04 03		
16	SHILLONG	Z	iP	22 17 12		Slight, distant Compression
16	SHILLONG	Z	iP	23 00 50		Slight, distant Rarefaction
16	SHILLONG	Z	iP	23 30 27		Feeble, near Compression
17	SHILLONG	Z	iP	00 05 52		Slight, distant Rarefaction
	CHATRA	Z	i	00 06 20		Feeble, distant
17	SHILLONG	Z	iP	00 14 50		Slight, distant Rarefaction
17	SHILLONG	Z	iP	01 00 52		Slight, distant Rarefaction
17	POONA	Z	iP	02 37 33		Tremor
17	Epc: 37½°N, 70½°E. Hindukush. Felt: Northern Afghanistan and Tadzhik S.S.R. - h about 200km - H = 05h 18m 35s (U.S.C.G.S)					
	DEHRA DUN	N, E	eP	05 20 44	880	Moderate
		N	PP	20 48		
			PPP	20 57		
			Lq	22 04		
			iS	22 15		
			SS	22 26		
			Lr	22 29		
			SSS	22 38		
			Sg/M	23 05		
	AGRA	Z, N, E	iP	05 21 13		Moderate Rarefaction
			PPP	21 28		
			iSP(?)	22 01		First movement
			i	22 55		North and West
	CHATRA	Z, E	iP	05 22 27	1870	Slight
		Z, N, E	iS	25 34		
	BOMBAY	N, E	iP	05 22 34	2110	Slight
			i	23 10		
			sP(?)	23 30		
		N	i	23 38		
		E	i	23 44		
		N, E	iS	25 47		
			SS	25 59		
	BOKARO	N, E	iP	05 22 38	1960	Moderate. First movement South
		E	iS	25 53		and East.
	POONA	Z	iP	05 22 41	2210	Moderate. First movement North
		E	PP	22 55		
			PPP	23 08		West
		N, E	eS	26 01		
		E	SS	26 25		
			SSS	26 34		
			Lr	26 53		
			sS	27 24		
	HYDERABAD	N	iP	05 23 02	2140	First movement North
			iS	26 34		
			Lr	27 50		
		E	M	28 41		Per. = 5 secs μ = 15
		N	M	28 51		Per. = 6 secs μ = 14
	SHILLONG	Z, N, E	iP	05 23 09	2450	Compression
		E	sP	24 11		First movement
		Z, N, E	iS	26 51		South and East
		N, E	sS	27 53		
			SS	28 05		
		N	M	29 23		Per. = 11 secs μ = 7
	TOCKLAI	E	eP	05 23 25		Slight
	MADRAS	E	iP	05 23 50	2940	Moderate
			PP	24 26		First movement
			PPP	24 38		West
			PcP	27 19		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
17	MADRAS Contd.	E	i	05 27 53		Contd.
			eS	28 05		
			Lq	28 43		
			SS	28 58		
			Lr	29 43		
			M	31 47		
	PORT BLAIR	E	iP	05 24 51	3250	Moderate
			PPP	25 59		
			iS	29 44		
	KODAIKANAL	E	i	05 24 52	2345	Slight
			i	28 43		
			e	29 07		
			e	29 37		
			e	30 07		
			e	31 46		Per. = 7 secs μ = 13
17	SHILLONG	Z	eP	08 59 59		Slight, near
17	SHILLONG	Z	eP	09 41 39	400	Slight
			eS	42 22		
17	CHATRA	Z	i	19 05 22		Feeble, distant
18	CHATRA	Z	iPg	01 59 30	60	Slight
		Z, N, F	iSg	59 37		
18	SHILLONG	Z	eP	02 00 34		Slight, local
18	SHILLONG	Z	eP	05 55 19		Slight, distant
18	SHILLONG	Z	e	07 27 36		Feeble, near
			i	27 49		
18	SHILLONG	Z	i	07 29 22		
18	SHILLONG	Z	e	11 18 54		Feeble, local
			i	19 06		
18	Epc: 31°S, 178½°W. Kermadec Islands - H = 13h 21m 20s (U.S.C.G.S)					
	COLOMBO	E	e	13 39 36		
			e	54 46		
			e	14 18 06		
			e	27 36		Amp. = 0.3 mm
	MADRAS	E	ePKP	13 39 53		Slight
			e	40 02		
			e	49 20		
			e	49 35		
			e	50 00		
			e	50 23		
			e	54 16		
			e	59 56		
			e	14 02 53		
	BOMBAY	E	e	13 40 05		Very slight
			e	50 44		
	DEHRA DUN	N, E	e	13 41 11		Feeble
			e	50 52		
18	SHILLONG	Z	eP	16 39 29	220	Slight
			PP	39 31		
			iPg	39 34		
			iS	39 55		
			iSg	40 00		
18	SHILLONG	Z	eP	17 31 10		Slight, distant
18	PORT BLAIR	E	e	19 03 22		Slight
			e	04 30		
			e	09 15		
18	SHILLONG	Z	eP	18 58 20		Slight, distant
18	CALCUTTA	E	e	19 09 10		Slight, distant
18	SHILLONG	Z	eP	19 13 41		Slight, distant
18	Epc: 21°N, 120°E. Off South Coast of Formosa. - H = 19h 08m 05s (U.S.C.G.S)					
	POONA	Z	eP	19 16 12		Feeble
	DEHRA DUN	N, E	e	19 16 16		Feeble
	BOMBAY	E	e	19 16 28		Very slight
			e	25 --		

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DATE	STATION	COMPT	PHASE	G. M. T. h m s.	Δ km	REMARKS
				February 1958		
18	Epc: 20½°N, 120½°E. Batan Islands Region - H = 19h 48m 43s (U.S.C.G.S)					
	TOCKLAI	E	eP	19 54 12		Slight
	SHILLONG	Z,N,E	iP	19 54 24	2990	Moderate
		N,E	PP	55 05		Rarefaction
			PcP	57 50		First movement
			iS	59 00		South and East
			Lq	59 48		
			SS	20 00 10		
			SSS	00 25		
			Lr	01 03		
			M	03 04		Per.=11.2 secs μ =10
	PORT BLAIR	E	eP	19 54 31	3290	
			PP	55 25		
			PPP	55 33		
			PcP	57 40		
			S	59 26		
			M	20 04 13		Per.=11 secs μ = 3
	CALCUTTA	E	eP	19 54 50	3370	
			iS	59 50		
			M	20 05 13		
			Mn	12 12		Per.=13 secs μ =33
	CHATRA	Z	iP	19 55 00	3410	Slight
		E	iS	20 00 07		
	BOKARO	N,E	e	19 55 27		Slight
			e	20 00 32		
	AGRA	Z,N,E	eP	19 56 07	4540	
		Z	PP	57 39		
		N,E	eS	20 02 19		
		Z	SSS	06 29		
		Z,N,E	M	10 45		Per.=12 secs Amp.=14.5 mm
	MADRAS	E	eP	19 56 13	4370	Moderate
			PP	57 52		
			PcP	58 05		
			PPP	58 18		
			iS	20 02 15		
			Lq	05 33		
	HYDERABAD	E	iP	19 56 17	4380	First movement
			PP	57 56		East
			PPP	58 23		
			eS	20 02 20		
			SS	05 05		
			SSS	05 42		
			Lr	07 38		
		N	M	10 02		Per.=12 secs μ = 5
		E	M	10 14		Per.=12 secs μ = 4
	DEHRA DUN	N,E	e	19 56 22		Slight
			i	20 02 12		
	COLOMBO	E	P	19 56 31	4880	
			S	20 03 03		
			L	09 41		
			M	14 31		Amp.=0.2 mm
	KODAIKANAL	E	e	19 56 44		Tremor
	POONA	Z	eP	19 56 49	4910	Moderate
		N	PP	58 33		
			eS	20 03 24		
			PS	03 34		
			PPS	03 47		
			SS	06 29		
			Lq	07 04		
			SSS	07 20		
			Lr	08 05		
			M	12 50		
	BOMBAY	E	eP	19 56 57	4950	
		N,E	eP	57 06		
		E	e	57 53		
			PP	58 45		
			PPP	59 25		
			eS	20 03 33		
		N,E	eS	03 44		
		E	PPS	03 47		
			SS	06 35		
			Lq	07 29		
18	BOMBAY Contd.	N	M	20 14 52		Per.=15 secs μ = 4
	Contd.	E	M	21 --		
18	SHILLONG	Z	iP	20 19 02		Slight, distant Rarefaction
18	POONA	Z	iP	20 20 36		Tremor
19	SHILLONG	Z	iP	02 44 30		Slight, distant
19	SHILLONG	Z	e	03 27 05		
19	BOMBAY	E	e	03 33 47		Surface waves
		N	e	35 --		
		E	e	48 28		
			e	50 44		
		N	e	52 52		
19	POONA	Z	eP	03 44 46		Slight. Phases not clear
19	SHILLONG	Z	eP	10 07 57		Slight, distant
19	CHATRA	Z	iP	10 06 54	70	Slight
		Z,N,E	iS	07 04		
19	Epc: Kirghiz. - H = 10h 33m 06s (U.S.C.G.S)					
	DEHRA DUN	N,E	e(P)	10 35 24	970	Slight
			i(S)	37 04		
	AGRA	Z,N,E	eP	10 35 57		Slight
			i	39 37		
			e	39 53		
			e	40 15		
			e	40 29		
	CHATRA	Z	iP	10 36 44		Slight
		E	i	40 00		
	SHILLONG	Z	eP	10 37 31		Slight
	CALCUTTA	E	i	10 41 23		Slight
			i	44 36		
	POONA	Z	iP	10 37 45		Slight
		N	eS(?)	41 40		
	BOMBAY	N,E	eP	10 37 47	2260	Slight
		E	e	37 53		
		N,E	eS	41 30		
		N	Lq	41 38		
			M	45 55		
	HYDERABAD	N	iP	10 37 54		
		E	e	42 14		
			e	44 15		
			e	45 15		
			M	45 54		Per.= 9 secs μ = 3
	MADRAS	E	e(S)	10 43 32		Slight
			e	43 45		
			e	43 57		
			e	47 00		
			e	47 08		
			e	48 03		
			e	48 45		
			e	49 39		
	KODAIKANAL	E	e	10 44 04		Tremor
	COLOMBO	E	L	10 52 19		
			M	55 04		Amp.=0.1 mm
19	SHILLONG	Z	iP	14 36 40		Slight, distant Rarefaction
19	MADRAS	E	e	15 41 30		Feeble
			e	41 44		
			e	41 56		
			e	45 00		
			e	45 06		
			e	46 04		
	COLOMBO	E	e	15 46 29		
			e	49 54		Amp.=0.2 mm
19	SHILLONG	Z	iP	16 41 56		Slight, distant Compression
19	SHILLONG	Z	iPg	18 55 49	90	Feeble
			iSg	56 59		Rarefaction

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					February 1958			
19	Epc: 8°S, 108°E. Near Sputh Coast of Java - H = 19h 25m 21s (U.S.C.G.S)							
	COLOMBO	E	P	19	31	49	3290	
			S		36	44		
			L		39	49		
			M		42	29		Amp. = 0.7 mm
	CALCUTTA	E	e(P)	19	32	08		Moderate
			eS		37	47		
	MADRAS	E	iP	19	32	11	3730	Moderate
			PP		33	25		
			PPP		33	45		
			PcP		34	29		
			e		35	37		
			iS		37	33		
			ScP		38	10		
			SS/Lq		39	50		
			SSS		40	19		
			Lr		41	30		
			M		44	29		
	VIZIANAGRAM	N	eP	19	32	22	3850	Slight
			iS		37	52		
	KODAIKANAL	E	iP	19	32	23	3710	First movement West
			PP		33	38		
			PPP		33	59		
			iS		37	44		
			Lq		39	50		
			M		44	20		Per. = 20 secs μ = 8
	SHILLONG	Z	iPδ	19	32	27	4000	Slight
		N,E	ePδ					Compression
			iS		38	05		
			SS/Lq		40	21		
			SSSM		40	50		
			Lr		42	01		
	BOKARO	N,E	iP	19	32	41	4110	Moderate. First movement North & West
		N	iS		38	27		
	HYDERABAD	N,E	iP	19	32	45	4150	First movement West and North
		E	PP		34	01		
			PPP		34	44		
		N,E	iS		38	34		
		N	SS		41	19		
		E	Lr		43	10		
			M		45	48		Per. = 18 secs μ = 7
		N	M		46	16		Per. = 24 secs μ = 16
	CHATRA	Z	iP	19	32	50	4320	Slight
		E	iS		38	49		
	TOCKLAI	E	e	19	32	53		Slight
	POONA	Z	iP	19	33	19	4600	Moderate
		N	PP		34	54		
			PPP		34	58		
			eS		39	35		
			SS		42	24		
			Lr		44	43		
			M		48	07		
	BOMBAY	N,E	iP	19	33	28	4780	
		E	e		33	45		
		N,E	PP		35	16		
		E	i		35	30		
		N	eSδ					
		E	iSδ		39	54		
		N,E	PS		40	02		
		E	i		40	46		
		N	SS		43	19		
		E	SS		43	23		
			M		52	--		
		N	M		53	32		Per. = 18 secs μ = 5
	AGRA	Z,N,E	iP	19	33	38		Compression. First movement West and North
		N	i(?)		34	18		
		Z,N,E	i		39	06		
			e		44	42		
			e		47	36		Per. = 20 secs Amp. = 12.0 mm
	DEHRA DUN	N,E	eP	19	33	58	5110	Slight
		N	PP		35	29		
			iS		40	43		
			SS		43	48		
			M		50	31		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
19	SHILLONG	Z	iP	19	51	51		Slight, distant Compression
	CHATRA	Z	i	19	52	15		Slight, distant
19	SHILLONG	Z	iP	23	59	27	380	Slight
			iPg		59	39		Compression
			iSg	00	00	22		
	TOCKLAI	E	eP	23	59	28		Slight, near
20	CHATRA	Z	iP	00	00	30	1080	Slight
		Z,N,E	iS		02	21		
20	CHATRA	Z	iPg	01	25	01	70	Feeble
			iSg		26	11		
20	Epc: 20½°N, 102½°E. Baton Islands aftershock - H = 03h 57m 42s. (U.S.C.G.S)							
	SHILLONG	Z,N,E	iP	04	03	21		Slight. First movement South and East. Rarefaction.
		N,E	i		08	09		
	BOKARO	N	e	04	08	58		Tremor
	CHATRA	Z	iP	04	03	56	3540	Slight
		E	iS		09	07		
	MADRAS	E	e(P)	04	05	13	4410	Slight
			eS		11	17		
	POONA	Z	iP	04	05	50		Slight
	BOMBAY	N,E	eP	04	05	58	5000	
		E	eS		12	37		
		N,E	e		15	57		
		N	M		31	43		Per. = 11 secs μ = 1
20	SHILLONG	Z	eP	04	10	48		Slight, distant
20	Epc: 20½°N, 120½°E. Batan Islands aftershock - H = 04h 38m 34s (U.S.C.G.S)							
	SHILLONG	Z	iPδ	04	44	13		Slight
		N,E	ePδ					Rarefaction
		Z	e		47	39		
	CHATRA	Z	iP	04	44	49		Feeble
	POONA	Z	eP	04	46	42		Slight
	BOMBAY	N,E	e	04	53	06		Very slight
20	CHATRA	Z	iP	04	48	48	160	Slight
		Z,N,E	iS		49	08		
	SHILLONG	Z	eP	04	49	31		Slight, near
20	SHILLONG	Z	i	07	49	54		
	BOKARO	N	e	04	50	15		Tremor
20	Epc: 21°N, 120°E. Batan Islands aftershock - H = 09h 04m 44s (U.S.C.G.S)							
	SHILLONG	Z,N,E	eP	09	10	22		Slight
	CHATRA	Z	e	09	10	56		Slight
	POONA	Z	eP	09	12	51		Feeble
	BOMBAY	E	e	09	19	29		Slight
		N	e		19	39		
		E	e		27	30		
	CHATRA	Z	iPg	09	32	27	60	Feeble
		Z,N	iSg		32	35		
20	SHILLONG	Z	iP	10	17	15		Slight, distant Compression
20	SHILLONG	Z	eP	15	03	43		Slight, distant
20	SHILLONG	Z	eP	20	58	57		Slight, distant
21	POONA	Z	e	03	38	16		Tremor
21	SHILLONG	Z	iP	12	00	47		Slight, distant Compression
	CHATRA	Z	i	12	01	09		Feeble, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
			February 1958			
21	SHILLONG	Z	iP	12 05 03		Slight, distant Rarefaction
21	CHATRA	Z	iP	13 19 24	160	Slight
			iS	19 44		
21	SHILLONG	Z	iP	13 30 15	240	Slight
			eSg	30 49		Compression
21	CHATRA	Z	i	13 50 34		Feeble, distant
	SHILLONG	Z	eP	13 50 37		Slight, distant
21	CHATRA	Z	ePg	14 38 38	80	Feeble
			iSg	39 09		
21	SHILLONG	Z	iPg	18 28 33	120	Slight
			iSg	28 47		Rarefaction
21	SHILLONG	Z	iPg	21 46 04	20	Feeble, local
			iSg	46 06		
21	SHILLONG	Z	iP	22 06 11		Slight, distant
22	SHILLONG	Z	iP	00 40 40		Slight, distant
			i	40 54		Rarefaction
22	SHILLONG	Z	eP	01 02 58		Slight, distant
22	SHILLONG	Z	iP	08 21 51		Slight, distant Compression
22	SHILLONG	Z	eP	09 46 40		Feeble, near
			i	46 56		
22	Epc: 50½°N, 175°W. Adreanof Islands, Aleutian Islands - H = 10h 50m 23s (U.S.C.G.S) Mag. = 6¾ (Pas), 6¾ - 7 (Shillong).					
	SHILLONG	Z,N,E	iP	11 01 50	8130	Rarefaction
		N,E	PPP	06 18		First movement
		Z,N,E	iS	11 18		North and East
		N,E	PS	11 38		
			PPS	12 05		
			SS	16 55		
			M	28 20		Per. = 21 secs
						⊔ = 10
	CHATRA	Z	iP	11 01 54		
	TOCKLAI	E	e	11 02 18		
	CALCUTTA	E	iP	11 02 19	8490	
			iS	12 04		
	DEHRA DUN	N,E	eP	11 02 21	8530	
		N	PP	05 15		
			iS	12 08		
			PPS	12 59		
			SS	17 20		
			M	31 24		
	AGRA	Z,N,E	iP	11 02 32	8690	Rarefaction
		N	i(?)	02 56		First movement
		Z	PP	05 52		North and East
		N,E	iS	12 27		
		N	SKS	12 46		
		N,E	PS	13 05		
			SS	17 43		
			Lr	27 21		
			M	31 49		Per. = 22 secs Amp. = 11.0 mm
	BOKARO	N,E	iP	11 02 37	8800	Time doubtful
			iS	12 37		due to stoppage of Eclipse Clock.
	PORT BLAIR	E	iP	11 02 50	9200	
			PP	06 05		
			i	09 21		
			iS	13 03		
			PS	13 52		
			PPS	14 33		
			SS	18 27		
	HYDERABAD	N	eP	11 03 14	9750	
			PP	06 41		
			iS	13 56		
			PS	14 32		
			SS	19 48		
			SSS	22 23		
			Lq	26 29		
			Lr	30 06		
22	HYDERABAD Contd.	E	M	11 37 29		Per. = 18 secs ⊔ = 10
	Contd.	N	M	38 23		Per. = 18 secs ⊔ = 7
	POONA	Z	iP	11 03 17	9930	First movement
		Z,N	PP	06 40		North and East
		N	PPP	08 39		down
			SKS1	13 40		
			SKS2	13 49		
			eS	14 06		
			PS	15 10		
			PPS	15 36		
			SS	19 55		
			PKKP1	20 51		
			PKKS1	24 21		
			Lr	31 02		
			SKKKS	31 55		
			M	38 21		
	MADRAS	E	eP	11 03 20		
			PP	06 49		
			e	09 19		
			e	10 27		
			SKS1	13 52		
			SKKS1	14 05		
			e	14 28		
			PS	15 19		
			e	16 44		
			e	18 06		
			e	19 26		
	BOMBAY	N,E	eP	11 03 24	9860	
			PP	06 47		
			PPP	08 48		
			iS	14 10		
		E	i	14 44		
			PS	15 19		
			PPS	15 59		
			M	50 38		Per. = 15 secs ⊔ = 4
		N	M	50 46		Per. = 15 secs ⊔ = 2
	KODAIKANAL	E	e	11 03 42		Tremor
	COLOMBO	E	P	11 03 51		
			S	14 51		
			L	41 44		
			M	49 14		Amp. = 0.5 mm
22	CHATRA	E	i	11 11 37		Slight, distant
22	CHATRA	Z	i	13 33 19		Feeble, distant
	SHILLONG	Z	iP	13 33 36		Slight, distant Rarefaction
22	SHILLONG	Z	iP	15 29 16		Slight, distant Rarefaction
22	SHILLONG	Z	iP	15 59 02		Slight, distant Rarefaction
22	Epc: 51½°N, 174½°W. Adreanof Islands, Aleutian Islands. - H = 17h 05m 00s (U.S.C.G.S)					
	SHILLONG	Z	iP	17 16 28		Slight Compression
	CHATRA	Z	iP	17 16 31		Feeble
	POONA	Z	iP	17 17 54		Feeble
22	SHILLONG	Z	iP	17 35 53		Slight, distant Compression
22	SHILLONG	Z	iP	18 04 45		Slight, distant Compression
22	SHILLONG	Z	iPg	19 39 12		Feeble
22	SHILLONG	Z	iP	19 45 44		Slight, distant Compression
22	SHILLONG	Z	iP	20 04 41		Slight, distant Compression
22	SHILLONG	Z	ePg	20 56 54	30	Feeble
			iSg	56 57		
22	SHILLONG	Z	ePg	21 43 40	130	Slight
			iSg	43 56		

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DATE	STATION	COMPT	PHASE	G. h	M. m	T. s	Δ km	REMARKS
					February 1958			
22	SHILLONG	Z	iP	22	09	15		Slight, distant Compression
23	SHILLONG	Z	e	00	04	14		
23	SHILLONG	Z	eP	00	35	18		Slight, distant
23	SHILLONG	Z	iP	00	47	16		Slight, distant Rarefaction
23	SHILLONG	Z	iP	01	34	18		Slight, distant
23	SHILLONG	Z	eP	05	54	42	240	Slight
			iSg		55	17		
23	SHILLONG	Z	eP/Pg	05	56	57	140	Slight
			eSg		57	15		
23	Epc: 27½°S, 63°W. Santiago del Estero Province, Argentina - H = 08h 14m 48s (U.S.C.G.S)							
	POONA	Z	iPKP	08	33	16		Feeble
	AGRA	Z,N,E	iPKP	08	33	23		Slight. First movement West. Rarefaction.
	CHATRA	Z	iPKP	08	33	26		Feeble
	DEHRA DUN	N,E	e	08	33	28		Feeble
	SHILLONG	Z	iPKP	08	33	42		Slight Rarefaction
		Z,N,E	i		34	17		
		Z	i		38	59		
	BOMBAY	E	e	08	35	57		
23	Epc: 28½°N, 139½°E. Bonin Islands Region. -h about 400km - H = 09h 12m 20s (U.S.C.G.S)							
	SHILLONG	Z,N,E	iP	09	19	40		Slight. First movement North and East. Rarefaction.
		Z	i		24	50		
	CHATRA	Z,E	iP	09	20	01		Slight
		E	i		24	03		
	PORT BLAIR	E	eP	09	20	15	4570	Slight
			iS		26	29		
	AGRA	Z,N,E	iP	09	21	03		Slight. First movement North and East. Rarefaction
	DEHRA DUN	N,E	eP	09	21	03	5300	Feeble
			eS		27	59		
	POONA	Z	iP	09	21	54	6050	Slight. First movement East and Down
		N,E	iS		29	32		
	BOMBAY	E	eP	09	21	57	6190	Slight
		N,E	iS		29	43		
23	Epc: 20½°N, 120½°E. Batan Islands aftershock - H = 10h 06m 23s (U.S.C.G.S)							
	SHILLONG	Z	eP	10	12	03	2030	Slight
		E	iS		16	42		
	POONA	Z	iP	10	14	32		Feeble
	BOMBAY	E	eP	10	14	39	4970	Slight
			eS		21	16		
	DEHRA DUN	N,E	e	10	19	52		Tremor
23	Epc: 24°N, 141½°E. Volcano Islands - H = 10h 47m 40s (U.S.C.G.S)							
	TOCKLAI	E	iP	10	55	39		Slight. First movement East
	SHILLONG	Z,E	iP	10	56	03		Slight
			i	11	02	27		Compression
	CHATRA	Z	iP	10	56	25		Slight
		Z,E	i		58	25		
	PORT BLAIR	N	i	11	03	20		Slight
			i		06	09		
	DEHRA DUN	N,E	e(P)	10	57	29	6140	Slight
			i(S)	11	05	12		
23	AGRA Contd.	Z,N,E	iP	10	57	30	6240	Slight. First movement North and East. Rarefaction
		N	iS	11	05	19		
	POONA	Z	iP	10	58	15		Slight
	BOMBAY	N,E	iP	10	58	20	7010	Slight
			iS	11	06	51		
23	CHATRA	Z	iP	11	01	32	1090	Slight
		E	iS		03	24		
23	SHILLONG	Z	eP	12	40	49	160	Feeble
			eSg		41	07		
23	SHILLONG	Z,E	eP	13	07	33	230	Slight
		Z	PPP		07	45		
			iS		08	00		
			iSg		08	05		
23	SHILLONG	Z	iP	14	22	52		Slight Rarefaction
23	PORT BLAIR	E	e	21	32	25		Slight
23	SHILLONG	Z	eP	22	13	44		
23	SHILLONG	Z	eP	23	27	56		Slight, distant
24	SHILLONG	Z	e	00	27	21		
24	SHILLONG	Z	eP	06	59	35		Slight, distant
			i	07	00	45		
24	SHILLONG	Z	eP	08	10	33		Slight, distant
24	SHILLONG	Z,N,E	iP	11	08	53	220	Magnitude 4
		N,E	iPg		08	54		
		Z,N,E	iS		09	23		
			iSg		09	28		
	TOCKLAI	E	eP	11	09	32		Slight, near
	CHATRA	Z	iP	11	09	36		Slight
		Z,N,E	i		11	08		
24	Epc: 45½°N, 100°E. Outer Mongolia - H = 12h 27m 04s (Shillong) 45°N, 99°E. Outer Mongolia - H = 12h 27m 06s (U.S.C.G.S) Mag : 6¼ (Shillong)							
	CHATRA	Z	iP	12	31	39		
		E	i		35	34		
	TOCKLAI	E	eP	12	31	43		
	SHILLONG	Z,N,E	iP	12	31	48	2300	Compression
		N,E	PP		32	07		First movement
			PPP		32	19		South and West
			iS		35	35		
			Lq		35	45		
			SS		36	01		
			SSS		36	16		
			Lr		36	51		
			M		38	17		Per. = 9 secs
								μ = 9
	DEHRA DUN	N,E	eP	12	32	11	2570	
		N	PPP		32	57		
			iS		36	19		
			SS		37	22		
			Lr		38	08		
			M		40	09		
	BOKARO	N,E	iP	12	32	24	2730	First movement
		N	PP		32	52		South and West
			PPP		33	14		
			iS		36	43		
			Lq		37	24		
			Lr		38	30		
			M		40	27		
	AGRA	Z,N,E	iP	12	32	33	2790	Compression
			i(?)		32	42		First movement,
			i(?)		32	55		South and West
			iPP		33	09		
			iPPP		33	29		
			iS		36	57		
			i(?)		37	08		
			iLq		37	35		
			iSS		37	56		
			iSSS		38	11		
			Lr		38	35		
			M		40	49		Per. = 12 secs Amp. = 30 mm

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				February 1958		
24 Contd	CALCUTTA	E	iP	12 32 35	2940	First movement East
			iS	37 07		
	HYDERABAD	E	eP	12 33 44	3730	
			PcP	36 22		
			eS	39 06		
			SS	41 02		
			Lr	42 59		
			ScS	43 32		
			M	45 54		Per. ≃ 9 secs μ ≃ 9 .
	POONA	Z	iP	12 33 55	3790	
		N	PP	35 12		
			eS	39 21		
			Mn	49 --		Per. ≃ 9 secs μ ≃ 7
	PORT BLAIR	E	iP	12 33 55	3720	
			iS	39 18		
			SS/Lq	41 35		
			Lr	43 05		
			M	46 35		
	BOMBAY	N, E	eP	12 33 58	3930	Slight
		E	PP	35 22		
		N, E	PPP	35 29		
		E	PPP	35 44		
		N, E	eS	39 32		
		E	e	41 09		
		N	SS	41 48		
		E	SS	41 55		
		N, E	SSS	42 20		
			e	43 10		
		E	Lr	43 38		
			M	46 18		Per. ≃ 11 secs μ ≃ 2
		N	M	49 58		Per. ≃ 11 secs μ ≃ 5
	MADRAS	E	eP	12 34 13	4070	
			PP	35 40		
			PPP	36 04		
			PcP	36 15		
			eS	39 55		
			SS	42 32		
			Lq	42 48		
			SSS	43 07		
			Lr	44 35		
			M	47 47		
	KODAIKANAL	E	e	12 36 19		Tremor
	COLOMBO	E	P	12 36 55		
			e	41 21		
			S	44 29		
			L	53 17		
			M	56 01		Amp ≃ 0.6 mm
24	SHILLONG	Z	eP	12 42 47		Slight, near
			i	43 36		
24	SHILLONG	Z	iPg	14 54 09	40	Feeble
			iSg	54 13		
24	SHILLONG	Z	eP	17 46 06		Slight, distant
	TOCKLAI	E	iP	17 46 09		Slight, distant First movement West
24	SHILLONG	Z, N, E	iP	19 24 14	130	Magnitude ≃ 3½
		Z	iSg	24 29		
25	SHILLONG	Z	iP	01 18 15		Slight, distant Compression.
25	SHILLONG	Z	iP	02 07 48		Slight, distant Compression.
25	BOMBAY	N, E	e	02 19 48		
			e	20 18		
25	SHILLONG	Z	e	05 24 41		
25	SHILLONG	Z	eP	07 35 49		Slight, distant
25	SHILLONG	Z	iPg	09 18 13	130	Feeble
			iSg	18 29		
	CHATRA	Z	iP	09 18 37	430	Feeble
			iS	19 23		
25	SHILLONG	Z	iP	10 37 55		Slight, distant
25	DEHRA DUN	N, E	e	13 03 05		Tremor
	POONA	Z	e	13 06 57		Tremor
25	SHILLONG	Z	iP	15 01 03		Slight, distant
25	SHILLONG	Z	iP	15 12 57		Slight, distant Compression
25	COLOMBO	E	L	15 45 35		
			M	48 10		Amp. ≃ 0.1 mm
25	SHILLONG	Z	iP	17 45 29		Slight, distant
25	SHILLONG	Z	eP	20 30 24		
25	MADRAS	E	eP	21 36 51	2500	Slight
			PP	37 17		
			PPP	37 33		
			eS	40 54		
			Lq	41 16		
			Lr	42 14		
	COLOMBO	E	L	21 40 25		
			M	43 00		Amp. ≃ 0.2 mm
	POONA	Z	e	21 37 24		Tremor
	SHILLONG	Z	iP	21 39 26		Slight, distant
26	SHILLONG	Z	iP	00 28 10		Slight, distant Rarefaction
	CHATRA	Z	i	00 28 22		Feeble
26	SHILLONG	Z	iP	09 33 39	140	Slight
			iSg	33 57		Compression
26	SHILLONG	Z	eP	11 43 36		Slight, distant
26	Epc: 50°N, 143½°E. Off South Coast of Hokkaido, Japan. H ≃ 17h 18m 56s (U.S.C.G.S)					
	SHILLONG	Z	eP	17 27 21		Slight
	CHATRA	Z	iP	17 27 21		Feeble
	POONA	Z	e	17 29 23		Tremor
26	SHILLONG	Z	iP	17 46 28		Slight, distant Compression
26	SHILLONG	Z	eP	18 46 09		Slight, distant
26	SHILLONG	Z	eP	19 36 36		Slight, distant Compression
26	SHILLONG	Z	eP	20 12 05		Slight, distant
			i	12 19		
26	SHILLONG	Z	eP	23 02 39		Slight, distant
			i	02 54		
26	DEHRA DUN	N, E	e	23 23 18		Tremor
26	COLOMBO	E	L	23 48 35		
			M	55 08		Amp. ≃ 1.1 mm
27	SHILLONG	Z	eP	00 06 03		Slight
			i	06 23		
	CHATRA	Z	iP	00 06 25		Slight, near
		E	i	08 33		
27	CHATRA	Z	e	04 00 36		Feeble, distant
27	SHILLONG	Z	eP	06 27 24		Slight, near
			i	27 58		
	CHATRA	Z	iP	06 28 03		Feeble, near
			i	29 27		
27	SHILLONG	Z	e	19 21 03		
27	Epc: 20°N, 121°E. Batan Islands Region. H ≃ 23h 27m 44s (Shillong) 21°N, 120°E. Batan Islands Region. H ≃ 23h 27m 49s (U.S.C.G.S). Mag: 6¼ (Shillong)					

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February 1958

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
27	SHILLONG	Z,N,E	iP	23	33	29	3000	Rarefaction
Contd		N,E	PP		34	15		First movement
			PPP		34	30		South and East
			PcP		35	50		
			iS		38	06		
			Lq		38	58		
			SS		39	14		
			SSS		39	30		
			Lr		40	20		
			M		42	28		Per. ≃11 secs
								μ ≃45
	TOCKLAI	E	eP	23	33	34		
	CHATRA	Z	iP◊	23	33	51		
		E	eP◊					
			i		39	04		
	PORT BLAIR	E	iP	23	33	53		
			e		34	13		
			i		35	19		
			i		37	39		
			e		38	31		
			e		39	38		
			e		41	19		Per. ≃11 secs
								μ ≃50
	CALCUTTA	E	eP	23	33	56	3250	
			iS		38	49		
			SS		40	19		
			M		44	29		
			Mn1		50	47		Per. ≃12 secs
								μ ≃105
			Mn2		52	29		Per. ≃10 secs
								μ ≃93
	BOKARO	N,E	iP	23	34	18	3590	First movement
		N	PP		35	26		South and East
		N,E	iS		39	32		
		N	Lr		42	24		
			M		44	51		Per. ≃19 secs
								μ ≃37
	AGRA	Z,E	iP◊	23	35	20	4290	Rarefaction
		N	eP◊					First movement
		Z,E	iPP		36	56		East
		Z,N,E	iS		41	17		
		N,E	i?		41	39		
		N	Lq		44	05		
		Z	SSS		44	31		
		Z,N,E	Lr		46	01		
			M		49	19		Per. ≃12 secs
								Amp. ≃60 mm
	MADRAS	E	iP	23	35	21	4420	
			PP		36	57		
			PcP		37	11		
			PPP		37	31		
			eS		41	26		
			SS		44	21		
			Lq		44	45		
			SSS		45	01		
			Lr		46	44		
			M		50	12		
	DEHRA DUN	N,E	eP	23	35	22	4310	
		N	iS		41	21		
			PPS		41	53		
			SS		44	21		
			SSS		44	43		
			M		49	52		
27	HYDERABAD	E	iP	23	35	25	4480	First movement
Contd.			PP		37	01		East
			eS		41	34		
			SS		44	14		
			SSS		45	09		
			Lr		46	01		
			M		48	59		Per. ≃15 secs
								μ ≃8
		N	M		49	13		Per. ≃13 secs
								μ ≃21
	KODAIKANAL	E	iP	23	35	49	4640	First movement
			PPP		38	04		East
			iS		42	07		
			SSS		45	52		
			Lr		47	37		
			M		51	07		Per. ≃20 secs
								μ ≃16
	POONA	Z	iP	23	36	00	4890	First movement
		N	PP		37	45		East and Down
			eS		42	33		
			SS		45	48		
			Lr		48	41		
			M		52	26		
			Mn	00	00	--		Per. ≃10 secs
								μ ≃8
	BOMBAY	N,E	eP	23	36	06	4950	
			e		36	45		
			eS		42	42		
		N	PS		42	52		
			e		43	37		
			e		44	47		
			SS		45	30		
			Lq		45	44		
			SSS		46	13		
			M		54	12		Per. ≃17 secs
								μ ≃24
		E	M		58	51		Per. ≃13 secs
								μ ≃4
28	BOKARO	N	e	06	35	33		Tremor
28	DEHRA DUN	N,E	e	07	21	25		Tremor
28	SHILLONG	Z	iPg	09	44	21	130	Slight
			i		44	22		Compression
			P*		44	24		
			iSg		44	36		
28	SHILLONG	Z	eP	10	36	43		Slight
28	SHILLONG	Z	eP	16	32	05		Slight, distant
28	CHATRA	Z	i	16	48	18		Feeble, distant
	SHILLONG	Z	eP	16	48	29		Slight, distant
28	SHILLONG	Z	e	19	17	15		Slight
28	SHILLONG	Z	iP	20	44	58		Slight, near
								Compression
28	SHILLONG	Z	iP	20	46	31		Slight, distant
								Compression
28	SHILLONG	Z	iP	20	52	14		Slight
								Rarefaction
28	DEHRA DUN	N,E	e	22	46	35		Tremor

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Earthquake Reports
(Non Instrumental Reports.)

The following table contains a list of earthquake that were reported by Voluntary Observers from various stations during the Month of February 1958

Place at which felt	Date	Time at which felt G. M. T. h. m.	Duration in secs	Intensity in R.F. scale	No. of shocks	Remarks
Tezpur (Air field)	09	09 29	20	V	1	
Shillong	09	09 31	10	IV	1	
Gauhati	09	09 32	30	IV	2	
Shillong	13	00 12	12	IV	1	
Gauhati	13	00 13	20	IV	1	
Tezpur (P.B.O)	13	00 14	60	V	1	
Tezpur (P.B.O)	13	12 25	10	V	1	
Shillong	13	12 30	20	IV	1	
Srinagar	17	05 20	20	VI	3	
Srinagar	24	23 45	10	V	3	

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MICROSEISMIC TABULATION

Station Shillong Component E W.

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
01	00	1	0.2	4.6
	06	1	0.2	5.2
	12	1	0.2	4.6
	18	-	-	-
02	00	1	0.2	5.6
	06	2	0.2	6.4
	12	2	0.3	5.2
	18	1	0.3	5.2
03	00	1	0.2	5.3
	06	1	0.2	5.2
	12	1	0.3	5.0
	18	1	0.3	5.4
04	00	1	0.2	4.6
	06	1	0.2	4.8
	12	1	0.2	4.8
	18	1	0.2	4.7
05	00	-	-	-
	06	1	0.2	4.4
	12	1	0.2	4.7
	18	1	0.2	4.6
06	00	1	0.2	4.4
	06	1	0.2	4.4
	12	1	0.2	4.1
	18	1	0.1	4.5
07	00	1	0.2	4.2
	06	1	0.2	5.0
	12	1	0.2	4.2
	18	1	0.1	4.0
08	00	-	-	-
	06	1	0.2	4.3
	12	1	0.2	4.1
	18	1	0.2	4.2
09	00	1	0.2	4.0
	06	1	0.2	4.4
	12	1	0.2	4.6
	18	1	0.1	4.8
10	00	1	0.2	4.4
	01	1	0.2	4.8
	02	1	0.2	4.4
	03	11	0.02	4.7
	04	1	0.2	4.4
	05	1	0.2	4.8
	06	1	0.2	4.6
	07	1	0.2	4.8
	08	1	0.2	4.8
	09	1	0.2	4.6
	10	1	0.2	4.2
	11	1	0.2	4.2
	12	1	0.2	4.4
	13	1	0.2	4.2
	14	1	0.3	4.6
	15	-	-	-
	16	1	0.2	4.2
	17	1	0.2	4.4
	18	-	-	-
	19	1	0.2	4.0
	20	1	0.2	4.4
	21	1	0.2	4.4
	22	1	0.2	4.6
	23	1	0.2	4.6
11	00	1	0.1	4.4
	06	1	0.2	4.6
	12	1	0.2	4.6
	18	1	0.2	4.4
12	00	1	0.2	4.2
	06	1	0.2	4.6
	12	1	0.3	4.4
	18	1	0.3	4.8
13	00	-	-	-
	06	1	0.2	4.7
	12	1	0.2	4.8
	18	1	0.2	5.0
14	00	1	0.2	4.6
	06	1	0.2	4.6
	12	1	0.2	4.8
	18	1	0.2	4.7
15	00	1	0.2	5.0
	06	1	0.2	4.5
	12	1	0.2	4.6
	18	1	0.2	5.0
16	00	1	0.2	4.8
	06	1	0.2	4.8
	12	1	0.2	5.0
	18	1	0.2	5.0
17	00	1	0.3	4.8
	06	-	-	-
	12	1	0.2	4.4
	18	1	0.2	4.8
18	00	1	0.2	4.8
	01	1	0.1	4.5
	02	1	0.2	4.8
	03	-	-	-
	04	-	-	-
	05	1	0.2	5.0
	06	1	0.2	4.8
	07	1	0.2	5.0
	08	-	-	-
	09	1	0.2	4.5
	10	1	0.2	4.8
	11	1	0.2	4.6
	12	1	0.2	4.5
	13	1	0.2	4.4
	14	-	-	-
	15	1	0.2	4.2
	16	1	0.2	4.4
	17	1	0.2	4.6
	18	1	0.2	4.5
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	1	0.2	4.4
	23	1	0.2	4.6
19	00	1	0.2	4.8
	01	1	0.2	4.6
	02	1	0.2	4.6
	03	1	0.2	4.7
	04	-	-	-
	05	1	0.2	4.4
	06	1	0.2	4.5
	07	1	0.2	4.4
	08	1	0.2	4.4
	09	1	0.2	4.8
	10	1	0.2	4.6
	11	-	-	-
	12	1	0.2	4.6
	13	1	0.2	4.5
	14	1	0.2	4.8
	15	1	0.2	4.4
	16	1	0.2	4.5
	17	1	0.2	4.5
	18	1	0.2	4.6
	19	1	0.2	4.8
	20	-	-	-
	21	1	0.2	4.8
	22	1	0.2	5.0
	23	1	0.2	4.8
20	00	1	0.3	4.5
	06	1	0.3	4.8
	12	1	0.3	4.8
	18	1	0.3	5.2
21	00	1	0.3	5.0
	06	2	0.4	5.4
	12	2	0.4	5.2
	18	2	0.3	5.4
22	00	1	0.2	5.0
	06	1	0.2	4.8
	12	-	-	-
	18	1	0.2	4.6
23	00	1	0.2	4.6
	06	1	0.1	4.4
	12	1	0.2	4.8
	18	1	0.2	4.6
24	00	1	0.2	4.4
	06	1	0.1	4.0
	12	1	0.1	4.2
	18	1	0.2	4.6
25	00	1	0.2	4.8
	06	1	0.2	4.6
	12	2	0.3	4.5
	18	2	0.2	4.8
26	00	1	0.2	4.8
	01	2	0.3	5.0
	02	1	0.2	4.5
	03	2	0.3	4.8
	04	2	0.2	4.6
	05	1	0.2	4.5
	06	1	0.2	4.8
	07	1	0.2	4.8
	08	1	0.2	500
	09	1	0.2	4.8
	10	1	0.2	4.5
	11	1	0.2	4.6
	12	-	-	-
	13	1	0.3	4.4
	14	1	0.2	4.8
	15	1	0.2	4.5
	16	1	0.2	4.8
	17	1	0.3	4.5
	18	1	0.2	4.8
	19	1	0.2	4.8
	20	1	0.2	4.8
	21	1	0.2	4.8
	22	1	0.3	4.6
	23	1	0.2	4.8
27	00	1	0.2	5.0
	06	1	0.2	4.8
	12	1	0.2	4.8
	18	1	0.2	5.2
28	00	-	-	-
	06	1	0.2	5.0
	12	1	0.2	4.6
	18	1	0.2	5.0

Station: Bombay Comp E W.

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
01	00	(2)	0.3	4.5
	06	(2)	0.2	4.7
	12	(2)	0.3	4.7
	18	-	-	-
02	00	2	0.6	5.9
	06	2	0.8	6.7
	12	2	0.7	5.7
	18	2	0.8	6.5
03	00	2	0.7	6.2
	06	3	0.3	5.0
			0.3	2.4
	12	3	0.4	4.5
			0.4	2.5
	18	3	0.3	4.9
			0.2	2.4
04	00	3	0.4	4.0
			0.2	2.2
	06	3	0.4	4.3
			0.3	2.2
	12	3	0.3	4.1
			0.4	2.2
	18	3	0.3	4.6
			0.3	2.1
05	00	3	0.3	4.4
			0.5	2.3
	06	3	0.3	4.5
			0.3	2.4
	12	3	0.3	4.3
Contd.			0.3	2.3
	18	3	0.3	4.4
			0.2	2.1
06	00	3	0.3	4.0
			0.3	2.1
	06	3	0.5	4.0
			0.5	2.2
	12	3	0.3	4.1
			0.3	2.3
	18	3	0.3	4.0
			0.5	2.3
07	00	3	0.4	4.1
			0.5	2.3
	06	2	0.7	2.6
	12	2	0.5	2.9
	18	2	0.3	2.5
08	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
09	00	-	-	-
	05	-	-	-
	12	-	-	-
	18	2	0.5	2.8
10	00	(2)	0.5	2.8
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	2	0.5	2.6
	07	2	0.5	2.7
	08	2	0.5	2.7
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	2	0.4	2.7
	17	2	0.3	2.7
	18	2	0.3	2.8
	19	2	0.4	2.7
	20	2	0.5	2.5
	21	2	0.5	2.4
	22	2	0.4	2.4
	23	2	0.5	2.3
11	00	2	0.4	2.3
	06	2	0.5	2.4
	12	-	-	-
	18	2	0.5	2.5
12	00	2	0.3	2.5
	05	2	0.3	2.5
	12	3	0.3	4.2
			0.3	2.1
	18	3	0.3	4.5
			0.2	2.3
13	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	3	0.3	4.5
			0.2	2.1
14	00	3	0.3	4.4
			0.2	2.2
	06	3	0.3	4.4
			0.2	2.4
	12	-	-	-
	18	3	0.4	4.4
			0.3	2.6
15	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	(1)	0.9	2.8

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DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Station Bombay Compt. E.W.				
15	12	(1)	0.5	2.8
Contd	15	(1)	0.5	2.7
	18	(1)	0.5	2.9
	21	(1)	0.3	2.9
16	00	2	0.5	2.7
	06	2	0.5	2.7
	12	2	0.3	2.5
	18	2	0.3	4.9
17	00	-	-	-
	06	-	-	-
	12	2	0.3	4.6
	18	2	0.3	4.6
18	00	-	-	-
	01	2	0.3	4.9
	02	2	0.3	4.6
	03	2	0.3	4.9
	04	3	0.3	4.3
			0.1	2.0
	05	3	0.4	5.0
			0.1	1.9
	06	3	0.3	4.7
			0.1	2.4
	07	3	0.4	4.6
			0.1	2.0
	08	3	0.3	4.4
			0.1	2.0
	09	3	0.3	4.5
			0.1	2.1
	10	3	0.5	4.5
			0.1	2.1
	11	3	0.4	4.4
			0.1	1.9
	12	3	0.3	4.3
			0.3	2.1
	13	3	0.3	4.5
			0.3	2.0
	14	-	-	-
	15	3	0.3	4.5
			0.3	2.2
	16	3	0.3	4.1
			0.3	2.1
	17	3	0.4	4.7
			0.3	2.2
	18	3	0.4	4.5
			0.3	2.5
	19	3	0.5	4.7
			0.3	2.2
	20	-	-	-
	21	-	-	-
	22	3	0.4	4.5
			0.3	2.5
	23	3	0.4	4.7
			0.3	2.4
19	00	(3)	0.4	4.8
			0.3	2.5
	01	-	-	-
	02	3	0.5	4.7
			0.3	2.4
	03	3	0.3	4.7
			0.4	2.3
	04	-	-	-
	05	3	0.3	4.6
			0.4	2.5
	06	3	0.4	5.0
			0.4	2.2
	07	3	0.4	4.9
			0.5	2.5
	08	3	0.3	4.5
			0.5	2.7
	09	3	0.3	4.8
			0.4	2.7
	10	3	0.4	4.6
			0.4	2.9
	11	-	-	-
	12	3	0.5	4.9
			0.3	2.5
	13	3	0.4	4.8
			0.3	2.5
	14	3	0.3	4.5
			0.3	2.1
	15	3	0.3	4.5
			0.3	2.4
	16	-	-	-
	17	3	0.3	4.7
			0.3	2.4

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
19	18	3	0.4	4.9
Contd.			0.1	2.3
	19	3	0.3	5.0
			0.3	2.2
	20	-	-	-
	21	3	0.5	4.7
			0.3	2.4
	22	3	0.3	5.0
			0.3	2.4
	23	-	-	-
20	00	-	-	-
	06	3	0.6	4.8
			0.3	2.4
	12	3	0.5	4.9
			0.5	2.8
	18	3	0.7	5.0
			0.5	2.9
21	00	3	0.6	4.8
			0.3	2.7
	06	3	0.8	5.1
			0.3	2.0
	12	3	0.7	5.6
			0.4	2.8
	18	3	0.5	5.2
			0.4	2.7
22	00	3	0.5	5.2
			0.3	2.7
	06	3	0.4	5.5
			0.3	2.7
	12	-	-	-
	18	3	0.3	4.8
			0.3	2.5
23	00	3	0.3	4.7
			0.2	2.6
	06	3	0.1	4.8
			0.3	1.5
	12	33	0.3	4.7
			0.1	2.7
	18	3	0.3	4.7
			0.3	2.7
24	00	3	0.2	4.3
			0.3	2.7
	06	3	0.3	4.8
			0.3	2.8
	12	3	0.3	4.4
			0.3	2.7
	18	3	0.3	4.3
			0.3	2.7
25	00	3	0.4	5.0
			0.3	2.6
	06	3	0.3	5.4
			0.2	2.5
	12	3	0.4	5.0
			0.2	2.4
	18	2	0.3	5.0
26	00	(2)	0.5	5.5
	010 to 230	No record		
27	00	-	-	-
	06	3	0.5	5.4
			0.3	2.3
	12	3	0.5	5.4
			0.1	2.3
	18	3	0.5	5.2
			0.1	2.0
28	00	-	-	-
	06	3	0.3	5.4
			0.3	2.1
	12	3	0.3	5.2
			0.3	2.4
	18	3	0.4	5.5
			0.2	2.2

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Station: Madras Component E.W.				
01	00	3	0.4	2.4
	03	3	0.4	2.5
	06	3	0.4	2.5
	12	3	0.4	2.6
	18	-	-	-
02	00	3	0.4	2.7
	03	3	0.5	2.7
	06	-	-	-
	12	3	0.4	2.9
	18	3	0.4	2.8
03	00	3	0.3	2.6
	03	3	0.4	2.6
	06	3	0.3	2.6
	12	3	0.4	2.8
	18	3	0.4	2.8
04	00	3	0.3	2.7
	03	3	0.5	2.7
	06	3	0.4	2.9
	12	3	0.4	2.8
	18	3	0.4	2.5
05	00	0,0	-	-
	03	3	0.3	2.4
	06	3	0.3	2.3
	12	3	0.2	2.4
	18	3	0.3	2.4
06	00	3	0.2	2.5
	03	-	-	-
	06	-	-	-
	12	1	0.4	2.7
	18	1	0.4	2.8
07	00	1	0.4	2.7
	03	1	0.4	3.0
	06	1	0.4	2.8
	12	1	0.4	3.0
	18	3	0.4	2.9
08	00	3	0.3	2.9
	03	1	0.5	2.9
	06	1	0.5	3.0
	12	3	0.4	2.9
	18	3	0.4	3.0
09	00	3	0.3	2.9
	03	3	0.4	3.1
		11	0.3	1.0
	06	3	0.4	2.9
		1	0.3	1.0
	12	2	0.4	3.0
	18	2	0.4	3.4
10	00	2	0.4	3.9
	01	-	-	-
	02	-	-	-
	03	2	0.4	3.9
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	2	0.3	3.7
	14	2	0.3	3.8
	15	-	-	-
	16	-	-	-
	17	2	0.3	4.0
	18	2	0.3	3.4
	19	2	0.4	3.9
	20	2	0.4	3.9
	21	-	-	-
	22	-	-	-
	23	-	-	-
11	00	-	-	-
	03	2	0.4	4.0
	06	2	0.3	3.3
	12	2	0.4	3.9
	18	2	0.4	4.4

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
12	00	2	0.3	3.6
	03	2	0.4	3.4
	06	2	0.3	3.4
	12	2	0.3	4.0
	18	2	0.4	4.0
13	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	2	0.4	3.4
14	00	-	-	-
	03	2	0.4	3.9
	06	-	-	-
	12	2	0.3	3.9
	18	2	0.4	4.2
15	00	-	-	-
	03	2	0.4	3.4
	06	2	0.3	3.3
	12	2	0.4	4.2
	18	2	0.3	3.4
16	00	-	-	-
	03	2	0.4	4.0
	06	2	0.4	3.9
	12	2	0.4	3.9
	18	2	0.4	4.0
17	00	-	-	-
	03	2	0.3	3.7
	06	-	-	-
	12	-	-	-
	18	2	0.4	3.8
18	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	2	0.5	4.1
	04	2	0.4	4.2
	05	2	0.4	4.1
	06	2	0.4	4.2
	07	2	0.4	4.1
	08	2	0.4	4.0
	09	2	0.4	3.9
	10	2	0.4	4.1
	11	2	0.4	4.0
	12	2	0.4	3.9
	13	2	0.4	4.1
	14	2	0.4	4.1
	15	2	0.5	4.0
	16	2	0.4	4.3
	17	2	0.4	4.2
	18	2	0.4	4.2
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
19	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	2	0.4	4.3
	04	2	0.4	4.0
	05	2	0.4	4.2
	06	2	0.4	4.1
	07	2	0.4	4.1
	08	2	0.4	4.1
	09	2	0.4	4.2
	10	2	0.4	4.0
	11	-	-	-
	12	2	0.4	4.1
	13	2	0.4	4.3
	14	2	0.4	4.4
	15	2	0.4	4.4
	16	2	0.4	4.4
	17	2	0.4	4.4
	18	2	0.4	4.5
	19	2	0.3	4.5
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
20	00	-	-	-
	03	2	0.6	4.5
		3	0.2	1.3

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DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Station: Madras Component: E.W. (Contd.)				
20 Contd.	06	2	0.6	4.6
		3	0.2	1.3
	12	2	0.6	4.7
		3	0.2	1.4
	18	2	0.6	4.6
		3	0.2	1.6
21	00	2	0.5	4.6
		3	0.2	1.3
	03	2	0.5	4.8
	06	2	0.7	5.4
		3	0.2	1.4
	12	2	0.6	5.1
	18	2	0.6	5.9
22	00	2	0.5	5.3
	03	2	0.5	5.0
	06	2	0.5	5.2
	12	-	-	-
	18	2	0.4	4.6
23	00	2	0.4	4.5
	03	3	0.4	4.8
		3	0.2	1.3
	06	2	0.4	4.3
		3	0.2	1.4
	12	2	0.4	4.9
		3	0.1	1.6
	18	2	0.3	4.2
		3	0.2	1.7
24	00	2	0.3	4.2
		3	0.2	1.9
	03	2	0.3	3.9
	06	2	0.3	3.8
	12	-	-	-
	18	2	0.2	4.1
25	00	2	0.2	4.1
	03	2	0.4	4.7
		33	0.2	1.3
	06	3	0.2	1.3
	12	3	0.2	1.4
	18	3	0.2	1.5
26	00 to 23		No record	
27	00	3	0.2	1.9
	03	-	-	-
	06	3	0.2	2.0
	12	3	0.2	2.0
	18	3	0.2	2.1
28	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Station: Cochin. Comp. N.S.				
04	06	3	0.8	1.4
05	06	1	0.0	
06	06	1	0.0	
09	06	1	0.0	
10	05	-	-	-
	07	1	0.0	
	08	1	0.0	
	09	1	1.0	1.4
11	06	-	0	-
18	05	1	0.0	
	06	1	0.0	
	07	-	0	
	08	-	0	
	09	-	0	
19	04	1	0.0	
	05	-	0	
	06	-	0	
	07	1	0.0	

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Station: Cochin. Comp. N.S.				
20	06	1	0.0	-
21	06	1	0.0	-
24	06	1	0.0	-
25	06	1	0.0	-
26	04	1	0.0	-
	05	1	0.0	-
Component: E.W.				
04	06	3	0.8	1.4
05	06	-	-	-
06	06	-	0	-
09	06	1	0.0	-
10	06	-	-	-
	07	3	0.0	-
	08	3	0.0	-
	09	3	0.0	-
11	06	1	0.0	-
18	05	1	0.0	-
	06	3	0.0	-
	07	-	-	-
	08	1	0.0	-
	09	1	0.0	-
19	04	3	0.0	-
	05	1	1.1	1.4
	06	3	0.8	1.4
	07	3	0.8	1.4
20	06	3	0.0	-
21	06	1	0.0	-
24	06	3	1.3	1.4

DATE	HOUR G.M.T	K	MEAN Simple amplitude in mm	MEAN Period in sec.
Component: E.W.				
25	06	1	0.0	-
26	04	1	0.0	-
	05	1	0.0	-
Component: Vertical.				
04	06	1	0.0	-
05	06	1	0.0	-
06	06	1	0.0	-
09	06	-	0	-
10	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
11	06	-	-	-
18	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	0.0	-
19	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	3	0.0	-
20	06			
21	06	-	-	-
24	06	1	0.0	-
25	06	1	0.0	-
26	04	1	0.0	-
	05	1	0.0	-

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
Station: Howrah. Component: N.S.				
01	00	-	1.4	5.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
02	00	-	1.9	5.2
	06	-	2.3	6.0
	12	-	2.3	5.6
	18	-	2.2	5.5
03	00	-	2.2	5.2
	05	-	-	-
	12	-	-	-
	18	-	1.5	5.0
04	00	-	1.5	4.9
	06	-	-	-
	12	-	-	-
	18	-	1.4	4.8
05	00	-	1.6	5.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	1.4	2.8
	06	-	2.5	2.5
	12	-	-	-
	18	-	1.2	2.7
07	00	-	1.3	2.5
	06	-	-	-
	12	-	-	-
	18	-	1.2	4.8

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
08	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.5	5.0
09	00	-	1.5	5.0
	06	-	-	-
	12	-	-	-
	18	-	1.3	5.0
10	01	-	0.9	4.7
	14	-	1.1	4.9
	16	-	1.3	5.0
	17	-	1.3	4.8
	19	-	1.5	4.9
	20	-	1.2	4.9
	21	-	1.3	4.7
	22	-	1.2	4.8
	23	-	1.3	5.1
11	00	-	1.4	5.2
	06	-	-	-
	12	-	-	-
	18	-	1.5	4.8
12	00	-	1.3	4.8
	06	-	-	-
	12	-	1.6	4.9
	18	-	1.6	5.3
13	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.3	4.9

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
14	00	-	1.4	5.0
	06	-	1.7	4.9
	12	-	-	-
	18	-	1.5	4.8
15	00	-	1.4	5.0
	06	-	-	-
	12	-	-	-
	18	-	1.4	5.0
16	00	-	1.3	5.2
	06	-	-	-
	12	-	-	-
	18	-	1.4	5.1
17	00	-	1.3	4.8
	06	-	-	-
	12	-	-	-
	18	-	1.2	4.8
18	01	-	1.5	4.9
	02	-	1.9	5.1
	15	-	1.9	5.0
	16	-	1.5	4.6
	17	-	1.3	4.5
	19	(3)	1.5	4.9
			0.8	2.2
	20	-	-	-
	21	-	1.2	2.6
	22	-	1.2	2.6
	23	-	1.2	2.6
19	01	-	2.1	2.5
	02	-	1.5	2.4

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
19 Contd.	03	-	2.2	2.4
	04	-	2.1	2.4
	05	-	2.3	2.4
	07	-	2.2	2.7
	08	-	2.7	3.0
	09	-	2.7	2.9
	10	-	2.7	2.9
	11	-	2.2	3.2
	13	-	2.7	2.7
	14	-	2.4	2.4
	15	-	2.6	2.6
	16	-	2.7	2.5
	17	-	2.4	2.4
	18	-	2.1	2.8
	20	-	-	-
	21	-	1.9	2.6
	22	-	1.6	2.9
	23	-	2.0	2.9
20	00	-	2.4	2.8
	06	-	2.5	2.7
	12	-	2.5	2.8
	18	-	2.5	2.8
21	00	-	1.7	2.8
	06	-	2.3	2.5
	12	-	2.9	2.8
	18	-	1.7	2.5
22	00	-	1.8	3.1
	06	-	-	-
	12	-	-	-
	18	-	1.6	4.4

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DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
Station: Howrah Comp. N.S.				
23	00	-	1.3	4.7
	06	-	-	-
	12	-	-	-
	18	-	-	-
24	00	-	1.6	4.7
	06	-	-	-
	12	-	-	-
	18	-	1.3	4.5
25	00	-	1.5	4.6
	06	-	-	-
	12	-	-	-
	18	-	1.4	4.9
26	01	-	1.9	4.9
	02	-	1.8	5.0
	03	-	1.5	4.8
	14	-	1.8	5.1
	15	-	1.8	5.0
	16	-	1.6	4.9
	17	-	2.4	5.1
	19	-	1.4	5.2
	20	-	1.3	5.1
	21	-	1.4	5.0
	22	-	1.3	5.1
	23	-	1.5	5.0
27	00	-	1.2	5.2
	06	-	1.0	5.2
	12	-	1.3	6.0
	18	-	1.6	5.9
28	00	-	-	-
	06	-	1.1	5.2
	12	-	0.9	5.2
	18	-	1.1	5.3
Component : E.W.				
03	18	-	1.9	5.0
04	00	-	1.4	5.1
06	00	-	1.4	2.9
07	00	-	1.5	2.7
19	16	-	1.7	2.4
	17	-	1.7	2.5
	19	-	1.8	2.8
	20	-	-	-
	21	-	1.8	2.8
	22	-	2.1	3.1
	23	-	2.0	3.0
20	00	-	2.0	3.0
	18	-	1.6	2.8
21	00	-	1.3	2.9
	18	-	1.5	2.9
22	00	-	1.5	3.0
Component: Vertical.				
01	00	-	0.8	3.9
	06	-	-	-
	12	-	-	-
	18	-	1.0	4.2
02	00	-	1.0	4.2
	06	-	0.8	4.2
	12	-	0.7	4.5
	18	-	0.6	4.0
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.7	4.2
04	00	-	0.7	4.1
	06	-	-	-
	12	-	-	-
	18	-	0.6	4.2

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
Component: Vertical (Contd)				
05	00	-	0.7	4.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	0.6	2.9
	06	-	0.7	2.6
	12	-	-	-
	18	-	0.5	2.9
07	00	-	0.4	2.7
	06	-	-	-
	12	-	-	-
	18	-	-	-
08 to 12	No record			
13	00	-	-	-
	06	-	-	-
	12	-	0.9	4.3
	18	-	1.0	4.6
14	00	-	0.9	4.0
	06	-	0.9	3.6
	12	-	1.0	4.1
	18	-	1.0	4.2
15	00	-	0.9	3.5
	06	-	1.3	4.8
	12	-	1.0	4.4
	18	-	1.0	4.4
16	00	-	1.1	4.0
	06	-	1.2	3.8
	12	-	1.3	4.5
	18	-	1.3	4.2
17	00	-	1.4	4.8
	06	-	-	-
	12	-	-	-
	18	-	1.0	4.2
18	01	-	1.4	4.2
	02	-	1.2	4.2
	03	-	1.2	4.4
	04	-	1.1	4.0
	05	-	-	-
	13	-	0.9	3.9
	14	-	1.0	4.2
	15	-	0.9	4.1
	16	-	1.3	4.2
	17	-	1.3	4.1
	19	-	0.9	3.4
	20	-	-	-
	21	-	0.8	2.7
	22	-	0.7	2.5
	23	-	1.3	2.7
19	01	-	1.4	2.6
	02	-	1.0	2.7
	03	-	1.0	2.4
	04	-	0.9	2.3
	05	-	1.1	2.3
	07	-	1.6	2.8
	08	-	1.9	3.0
	09	-	1.5	2.8
	10	-	1.7	3.0
	11	-	1.5	2.7
	13	-	1.1	3.0
	14	-	1.4	2.8
	15	-	1.1	2.6
	16	-	1.3	2.7
	17	-	1.3	2.9
	19	-	1.4	2.8
	20	-	1.5	3.0
	21	-	1.7	3.0
	22	-	1.7	3.2
	23	-	1.5	2.9
20	00	-	1.4	2.8
	06	-	1.6	3.2
	12	-	1.4	2.9
	18	-	1.7	2.9

DATE	HOUR G.M.T	K	MEAN Simple amplitude (Micron)	MEAN Period in sec.
Station: Howrah (Contd.)				
21	00	-	1.4	3.0
	06	-	1.3	2.9
	12	-	1.4	3.3
	18	-	1.3	3.0
22	00	-	1.0	3.0
	06	-	0.5	2.6
	12	-	-	-
	18	-	-	-
23	00	-	0.4	3.2
	06	-	-	-
	12	-	-	-
	18	-	0.5	4.3
24	00	-	0.4	3.8
	06	-	-	-
	12	-	-	-
	18	-	0.7	4.4
25	00	-	1.0	4.4
	06	-	-	-
	12	-	-	-
	18	-	0.8	4.3
26	01	-	0.8	4.3
	02	-	0.8	4.0
	17	-	1.0	3.8
	19	-	1.0	3.9
	20	-	0.8	4.0
	21	-	0.8	4.1
	22	-	0.7	4.1
	23	-	0.7	4.0
27	00	-	0.6	4.1
	06	-	-	-
	12	-	-	-
	18	-	0.7	4.1
28	000	-	-	-
	06	-	-	-
	12	-	0.5	3.8
	18	-	0.4	2.8

DATE	HOUR G.M.T	K	GROUND MOTION in (Micron)	MEAN Period in sec.
Station: Port Blair. Component: E.W.				
01 to 17	No measurable Microseism.			
18	00	-	-	-
	06	1	.8	5.2
	12	1	.8	5.2
	18	1	.8	5.2
19	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
20	00	0..	-	-
	06	0..	-	-
	12	1	.8	5.0
	18	1	.8	5.0
21	00	1	.4	6.0
	06	0..	-	-
	12	1	.4	6.0
	18	1	.4	6.0
22	00	-	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
23	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
24	00	-	-	-
	06	-	-	-
	12	1	.4	6.0
	18	1	.8	5.0
25	00	1	.8	6.0
	06	1	.8	6.1
	12	1	1.2	7.5
	18	-	-	-
26	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	1	1.3	6.6
	04	1	1.3	6.6
	05	1	1.3	6.6
	06	1	1.3	6.6
	07	1	.8	6.4
	08	1	.8	6.4
	09	1	1.7	6.7
	10	1	.8	7.1
	11	1	1.7	7.3
	12	1	.4	7.5
	13	1	.4	7.3
	14	1	.4	7.5
	15	1	.8	7.3
	16	1	.8	6.6
	17	1	1.3	6.2
	18	1	.4	6.0
	19	1	1.7	6.0
	20	1	.8	6.5
	21	1	.8	6.0
	22	1	.4	5.9
	23	1	.4	6.6
27	00	1	1.4	6.7
	06	1	1.7	6.7
	12	1	1.3	6.2
	18	1	1.3	5.6
28	00	-	-	-
	06	1	1.3	7.2
	12	1	1.3	6.6
	18	1	1.3	6.3

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

March 1958

Published under the direction of
Shri S. Basu, M.Sc., F.N.I.,
Director General of Observatories

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List of Seismograph stations with their Instruments and Constants

Station	Latitude	Longitude	Height a.s.l. (Metres)	Lithographic foundation	Instrument	Comp	Period in secs	Static Magnification	Damping ratio	Paper speed mm/min
Bombay	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
Bokaro	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	[illegible]	
					Wood-Anderson	E	0.8	960	h=0.8	
					Wood-Anderson	N	0.8	1000	h=0.8	60
Calcutta	22°32'N	88°22'E	(1) 7(Milne-Shaw) (2) 6(Omori-Ewing)	Alluvium	Milne-Shaw	E	12	250	20:1	8
					Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
					Omori-Ewing	E	21	30	-	25.4
Chatra	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72 secs	Tg=0.45 secs	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
Colombo	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
Dehra Dun	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
Hyderabad	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
Kodaikanal	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
Madras	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
New Delhi	28°35'N	77°12'E	207	Massive Quartzite						
Poona	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
Port Blair	11°40'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
Shillong	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0.h=0.8	30
					Wood-Anderson	E	0.8	1000	h=0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To=1.0	Tg=0.18	-	60
					Sprengnether	E	To=Tg=6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
Tocklai	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h=0.8	60
Vizianagram	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h=0.8	
					Wood-Anderson	N	2	1000		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	SHILLONG	Z	eP	04 37 12		Slight, distant
01	Epc: 13½°S, 76½°W. Near Coast of Peru Felt: Lima - H = 09h 05m 40s (U.S.C.G.S) Mag. : 6¼ - 6½ (Pas).					
	POONA	Z	ePKP	09 25 31		
			i	25 36		
	SHILLONG	Z	ePKP	09 25 46		
01	Epc: 28°N, 54½°E. Southern Iran. - H = 09h 26m 46s (U.S.C.G.S)					
	BOMBAY	N,E	eP	09 31 08	2200	Slight
		N	eS	34 37		
		E	eS	34 46		
			SS	35 12		
	POONA	Z	e	09 31 22		Tremor
			i	31 29		
	AGRA	Z,N,E	iP	09 31 29	2340	Slight, First movement East
			iS	35 19		
		Z	iSS	35 53		Compression
		N	M	38 29		Per.-14 secs Amp.- 7 mm
		Z,E	i	40 33		
	DEHRA DUN	N,E	e	09 31 47		Slight
			iS	35 23		
	CHATRA	Z	iP	09 32 48		Slight
	SHILLONG	Z	iP	09 33 26		Slight Compression
01	SHILLONG	Z	i	11 42 38		Feeble, near Rarefaction
01	SHILLONG	Z	iP	13 53 13	170	Feeble
			eS	53 34		Compression
01	SHILLONG	Z	iP	14 15 58		Slight, distant
01	SHILLONG	Z	iPg	17 24 03	30	Feeble
			Sg	24 08		Compression
01	SHILLONG	Z	eP	17 40 55		Slight, distant
01	SHILLONG	Z	eP	18 48 43		Slight, distant
01	SHILLONG	Z	e	19 58 07		Feeble, near
01	SHILLONG	Z	i	20 49 51		
01	SHILLONG	Z	e	22 10 54		Feeble, near
			i	10 57		
01	SHILLONG	Z	e	22 57 07		Tremor
01	SHILLONG	Z	e	23 13 44		Tremor
01	SHILLONG	Z	iP	23 22 53		Slight, distant Rarefaction
02	TOCKLAI	E	eP	03 19 33		Slight, near
			i	20 31		
	SHILLONG	Z,E	eP	03 20 09		Slight, near
	CHATRA	Z	iP	03 20 44		Slight, near
		E	i	23 03		
02	CHATRA	Z	iP	05 52 07	280	Feeble
			iS	52 39		
02	SHILLONG	Z	eP	06 57 37	220	Slight
			Sg	58 07		
02	SHILLONG	Z	eP	09 07 52	150	Slight
			Sg	08 12		
02	SHILLONG	Z	eP	11 16 37		Slight, distant
02	KODAIKANAL	E	e	11 43 52		Tremor
	POONA	Z	eP	11 45 00		Feeble
			e	45 06		
			i	45 18		
02	BOMBAY	N	e	11 45 02		Slight
Contd.		E	e	47 08		
			e	48 01		
			e	49 34		
			e	50 28		
02	SHILLONG	Z	eP	12 32 24	260	Slight
			Sg	33 01		
02	SHILLONG	Z	iP	18 23 37		Slight, distant Compression
02	SHILLONG	Z	eP	20 25 54		Slight, distant
02	SHILLONG	Z	eP	22 57 27		Slight, distant Compression
02	SHILLONG	Z	eP	23 09 11		Slight, distant
03	SHILLONG	Z	eP	00 50 46	230	Slight
			Sg	51 18		
03	SHILLONG	Z	iP	04 18 52		Slight, distant Compression
03	Epc: 23½°N, 122°E. Near East Coast of Formosa - H = 07h 22m 42s (U.S.C.G.S)					
	SHILLONG	Z,E	iP	07 28 30	3040	Slight
		E	i?	28 40		Compression
			PP	29 22		
			PPP	29 36		
		N,E	iS	33 10		
		E	Lq	34 20		
			SS	34 34		
			SSS	34 55		
			Lr	35 35		
		N,E	M	38 35		
	CHATRA	Z	iP	07 29 10	3520	Slight
		E	iS	34 19		
	DEHRA DUN	N,E	e	07 30 21		Feeble
			e	36 19		
	PORT BLAIR	E	e	07 35 59		Slight
03	BOKARO	N	e	08 23 59		Tremor
03	SHILLONG	Z	iP	13 43 12	220	Slight
			eSg	43 42		Compression
03	AGRA	Z,N,E	eP	13 51 58		Feeble
	CHATRA	Z	iP	13 53 22		Slight, distant
	SHILLONG	Z	eP	13 54 00		Feeble, distant
	DEHRA DUN	N,E	e	13 55 43		Feeble
03	CHATRA	Z	iP	15 41 34	560	Slight
		Z,N,E	iS	42 33		
03	SHILLONG	Z	iP	15 55 53	220	Slight
			Sg	56 23		Rarefaction
03	Epc: 55½°N, 166½°E. Komandorskie Islands - H = 15h 18m 17s (U.S.C.G.S) Mag. : 5¼ - 6½ (Pas).					
	SHILLONG	Z,N,E	iP	16 28 30	6840	Compression
		N,E	i	31 27		
		E	i	34 33		
		N,E	iS(?)	36 51		
		N	i	50 56		
	CHATRA	Z	iP	16 28 43		
		E	i	39 15		
	DEHRA DUN	N,E	eP	16 28 57	7150	Slight
		N	PP	31 21		
			iS	37 35		
			SS	41 53		
	CALCUTTA	E	e(P)	16 29 00		
			e	30 33		
	BOKARO	N,E	iP	16 29 02	7240	
			eS	37 45		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				March 1958		
03 Contd.	AGRA	Z,N,E	iP	16 29 12	7370	First movement
			iS	38 03		South and West
			M	54 03		Per. ≃ 16 secs
						Amp. ≃ 10 mm
	PORT BLAIR	E	iP	16 29 41		Slight
			e	39 40		
			e	40 42		
			e	44 55		
			e	54 10		
	HYDERABAD	E	eP	16 29 58	8460	
			PP	32 47		
			eS	39 42		
			PS	40 12		
		N	M	17 00 18		Per. ≃ 17 secs
						Д ≃ 9
		E	M	00 26		Per. ≃ 16 secs
						Д ≃ 6
	BOMBAY	N	eP	16 30 05		
		E	e	30 11		
		N,E	e	33 06		
		E	e	40 18		
		N	M	17 02 15		Per. ≃ 18 secs
						Д ≃ 5
	POONA	Z	iP	16 30 10		Slight, phases
			i	30 27		mixed up with
			i	33 00		the following
		N	e	39 49		shock
	MADRAS	E	eP	16 30 15		Slight
			e	30 25		
			e	30 34		
			e	33 09		
			e	33 30		
			e	33 43		
			e	33 55		
			e	35 22		
03	DEHRA DUN	N,E	eP	16 57 38	820	Slight
		N	Lq	58 51		
			iS	59 04		
			SS,Lr	59 14		
			SSS	59 25		
			Sg,M	59 47		
	SHILLONG	Z	eP	16 57 43		Slight
	AGRA	Z,N,E	eP	16 58 14	1070	Slight
		N	iS	17 00 03		
	CHATRA	Z	iP	16 59 23		Slight
		E	i	17 02 34		
	POONA	Z	e	16 59 42		Feeble, phases
			e	17 02 49		mixed up with previous shock
03	SHILLONG	Z	iP	17 00 10		Slight, distant Compression
03	MADRAS	E	eP	17 05 07		Feeble
03	SHILLONG	Z	iP	17 21 02		Slight, distant Compression
	CHATRA	Z	i	17 21 21		Feeble, distant
03	SHILLONG	Z	iP	17 29 59	220	Slight
			Sg	30 29		Compression
03	SHILLONG	Z	iP	17 32 36		Slight, distant
			i	33 19		Rarefaction
03	SHILLONG	Z	iP	17 43 01		Slight, distant Compression
	CHATRA	Z	i	17 43 14		Slight, distant
03	SHILLONG	Z	eP	18 25 42		Feeble, distant
03	SHILLONG	Z	iPg	19 28 51	20	Slight
			Sg	28 54		
04	SHILLONG	Z	iP	00 18 34		Slight, distant Compression
04	CHATRA	Z	i	17 55 59		Feeble, distant
04	AGRA	N,E	eP	18 51 49	1450	Slight
			eS	54 16		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
04 Contd.	DEHRA DUN	N,E	e	18 53 05		Feeble, phases not clear
04	CHATRA	Z	iPg	19 54 08	110	Feeble
			iSg	54 23		
04	CHATRA	Z	i	20 54 59		Feeble, near
05	CHATRA	Z	iPg	06 38 00	70	Feeble
			iSg	38 13		
05	SHILLONG	Z	e	07 23 40		Slight
05	DEHRA DUN	N,E	e	14 13 17		Tremor
	CHATRA	Z	iP	14 13 53	960	Slight
		Z,N,E	iS	15 32		
	SHILLONG	Z	e	14 14 43		Slight
05	SHILLONG	Z	eP	15 16 00		Slight
05	CHATRA	Z	iP	15 17 16	730	Slight
			iS	18 32		
05	SHILLONG	Z	eP	16 36 20		Slight
05	SHILLONG	Z	e	17 00 38		Slight
05	SHILLONG	Z	i	20 05 12		Slight Compression
06	DEHRA DUN	N,E	e	06 30 44		Tremor
06	CHATRA	Z	iP	05 31 25	960	Slight
		Z,N,E	iS	33 04		
06	CHATRA	Z	i	08 23 11		Feeble, distant
06	BOMBAY	E	eP	12 05 48	5930	Very slight
			e	08 11		
		N,E	eS	13 19		
06	PORT BLAIR	E	e	12 28 31		Slight
07	Epc: 37°N, 71°E. Hindukush, h about 200 km H ≃ 06h 55m 30s (U.S.C.G.S)					
	DEHRA DUN	N,E	eP	06 57 36	870	Slight
		N	PP	57 45		
			PPP	57 53		
			Lq	58 55		
			iS	59 06		
			SS	59 18		
			SSS	59 29		
			M	59 59		
	AGRA	Z,N,E	iP	06 58 04	1120	Moderate. First
			iS	07 00 00		movement North and West Rarefaction
	BOKARO	N,E	e(P)	06 59 19		Slight
			e(S)	07 02 33		
	BOMBAY	N,E	eP	06 59 26	1880	Very slight
		N	e	07 00 14		
		N,E	eS	02 34		
	CHATRA	Z	iP	06 59 28	1860	Slight
		Z,E	iS	07 02 34		
	POONA	Z	iP	06 59 32	2010	Slight
		E	PPP	59 53		
		N,E	iS	07 02 52		
		N	SS	03 18		
		N,E	SSS	03 30		
	SHILLONG	Z,E	iP	07 00 01	2460	Slight
		Z	sP	01 05		Compression
		E	iS	03 44		
	TOCKLAI	E	eP	07 00 28		Slight
	MADRAS	E	eP	07 00 38	2570	Slight
			PP	01 13		
			eS	04 46		
			Lq	05 38		
			Lr	06 52		
			M	09 00		
	CALCUTTA	N	i	07 00 57		Slight
			iS	03 37		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
07	DEHRA DUN	N, E	e	07 33 47		
			e	35 14		Feeble
07	Epc: 9½°N, 126°E. Near Northeast Coast of Mindanao, Philippine Islands. - H = 08h 21m 23s (U.S.C.G.S)					
	CHATRA	Z	iP◊	08 29 18		Slight
		E	eP◊			
	SHILLONG	Z, E	iP	08 29 30		Slight Rarefaction
	DEHRA DUN	N, E	e	08 30 20		Tremor
	POONA	Z	iP	08 30 33		Feeble
			i	30 52		
	BOMBAY	E	e	08 32 39		Feeble
			e	33 03		
		N, E	e	38 33		
		E	e	41 23		
		N	M	45 --		
08	SHILLONG	Z	iP	01 07 57	160	Slight
		N, E	Pg	08 00		Compression
			Sg	08 19		
	CHATRA	Z	iP	01 08 31	420	Slight
		Z, N, E	iS	09 16		
08	SHILLONG	Z	eP	05 00 39		Slight, distant
08	SHILLONG	Z	iP	07 51 23	170	Slight
			PP	51 29		Compression
			PPP	51 35		
			S/Sg	51 43		
			SSS	52 03		
	CHATRA	Z	iP	07 51 47	380	Feeble
			iS	52 29		
08	SHILLONG	Z	iP	08 47 55		Slight, near Rarefaction
08	SHILLONG	Z	e	18 17 08		Tremor
08	SHILLONG	Z	eP	18 58 20		Tremor
08	POONA	Z	iP	20 29 52		Tremor
	SHILLONG	Z	eP	20 30 16		Slight, distant
08	SHILLONG	Z	iP	22 07 36		Slight, distant Compression
08	SHILLONG	Z	iPg	22 13 46	90	Feeble
			Sg	13 57		Rarefaction
09	SHILLONG	Z	eP	07 34 23		Slight, distant
09	SHILLONG	Z	eP	07 47 46		Slight, distant
09	SHILLONG	Z	iP	08 18 47		Slight, distant Rarefaction
09	SHILLONG	Z	e	10 35 00		Tremor
09	Epc: 34°S, 178½°W. Kermadec Islands Region. H = 10h 22m 25s (U.S.C.G.S) - h about 60 km. Mag.: 6½ - 6¾ (Pas)					
	BOMBAY	E	e(PKP)	10 41 02		
			e	44 13		
		N	e	46 47		
		E	e	47 47		
			e	47 56		
			e	50 36		
			e	51 08		
		N, E	e	52 13		
		N	M	11 31 41		Per. 19 secs ⊔ = 2
	POONA	Z	iPKP	10 41 09		
			i	41 27		
			i	41 45		
	DEHRA DUN	N, E	e	10 42 36		
			e	47 45		
			e	52 12		
	PORT BLAIR	E	i	10 46 20		
			ii	46 41		
			e	49 18		
09 Contd.	AGRA	N, E	i	10 47 43		
	SHILLONG	Z	e	10 52 24		Tremor
	HYDERABAD	E	M	11 23 21		Per. 23 secs ⊔ = 7
		N	M	23 56		Per. 18 secs ⊔ = 9
	KODAIKANAL	E	e	11 43 14		
09	SHILLONG	Z	iP	11 31 23		Slight, distant Compression
09	CHATRA	Z	i	13 19 27		Feeble
09	SHILLONG	Z	iP	13 20 17		Slight, distant Rarefaction
09	SHILLONG	Z	iP	15 26 18		Slight, distant Compression
09	SHILLONG	Z	iP	16 46 53		Slight, distant Rarefaction
09	SHILLONG	Z	e	23 32 48		Tremor
10	SHILLONG	Z	e	00 01 45		Tremor
10	SHILLONG	Z	e	00 17 39		Tremor
10	SHILLONG	Z	iPg	00 20 14	20	Feeble
			Sg	20 16		
10	SHILLONG	Z	iP	08 09 42		Slight
10	SHILLONG	Z	eP	15 12 10		Slight, distant
10	TOCKLAI	E	eP	16 58 29		Slight, near
			e	58 45		
			e	58 51		
	SHILLONG	Z	iP	16 58 33	220	Slight
			Sg	59 04		Compression
	CHATRA	Z	iP	16 59 36		Slight
		Z, N, E	i	17 00 52		
10	SHILLONG	Z	eP	22 37 07	220	Slight
			Sg	37 39		
11	Epc: 25½°N, 125°E. Ryukyu Islands. Several killed and many injured on Orinawa. Felt strongly on Miyako and Ishigaki. h about 60 km - H = 00h 25m 56s (U.S.C.G.S) Mag.: 7(Pas), 7¾ (Shillong)					
	TOCKLAI	E	eP	00 31 36		
	SHILLONG	Z, N, E	iP	00 31 57	3260	Compression
		N	PP	32 38		First movement
			PPP	32 53		West
			PcP	35 08		
		N, E	iS	36 51		
			SSS	38 44		
			M	41 59		
			SrS	42 33		
	CALCUTTA	E	iP	00 32 32	3780	First movement
		N	eP	32 35		West.
			PP	33 45		
		E	PP	33 48		
		N	iS	37 53		
		E	iS	37 57		
	CHATRA	Z, N, E	iP	00 32 34		
		E	i	38 19		
	PORT BLAIR	E	iP	00 32 44		
			e	39 23		
			e	42 45		
			i	43 19		
	BOKARO	N, E	iP	00 32 47	4030	First movement
		E	i	33 28		South and West
			PP	34 39		
			iS	38 28		
			i	38 49		
			Lq/SS	40 46		
			SSS	41 17		
			Lr	42 34		
	VIZIANAGRAM	N, E	iP	00 33 20	4490	First movement
		N	iS	39 28		South
			PS	39 38		
			PPS	39 48		
			i	43 55		

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March 1958

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
11	DEHRA DUN	N,E	eP	00	33	40	4630	
Contd.		N	PP		35	26		
			PPP		36	01		
			iS		39	58		
			SS		42	47		
			Lq		43	14		
			SSS		43	42		
			Lr		45	17		
			M		48	18		Per.≃19 secs
								⊔ ≃ 148
	AGRA	N,E	iP	00	33	42	4540	
			i		33	57		
			iPP		35	24		
			iPPP		36	11		
		N	i		36	45		
		N,E	i		37	52		
			iS		39	54		
			i(?)		40	54		
			iSS		42	56		
			iSSS		43	44		
			iLr		45	10		
			M		47	10		Per.≃16 secs
								Amp.≃119 mm
	HYDERABAD	N,E	iP	00	33	58	4880	First movement
		E	PP		35	28		West and South
			PPP		36	41		
		N,E	iS		40	31		
		E	SS		44	16		
			Lr		46	48		
			M		49	47		Per.≃18 secs
								⊔ ≃57
		N	M		50	10		Per.≃24 secs
								⊔ ≃129
	MADRAS	E	iP	00	33	59	4860	First movement
			PcP		35	28		West
			PP		35	41		
			PPP		36	24		
			ScP		39	13		
			iS		40	30		
			PS		40	35		
			PPS		40	42		
			e		43	04		
			ScS		43	25		
			SS		43	36		
			Lq		44	16		
			Lr		46	23		
			M		50	07		
	POONA	Z	iP	00	34	21	5250	Compression
		E	PcP		35	59		First movement
		Z	PP		36	29		West
		E	PcS		39	45		
			iS		41	18		
		Z	PS		41	37		
			PPS		41	48		
		E	ScS		44	03		
			SS		44	35		
		Z	Lq		45	55		
			SSS		46	09		
			Lr		48	25		
		E	M		51	40		
	BOMBAY	N,E	eP	00	34	32	5460	
			e					
		E	i		35	10		
			PP		36	33		
		N,E	PPP		37	29		
			iS		41	37		
		N	PPS		41	57		
		E	PPS		42	03		
		N	i		42	24		
		E	i		42	36		
		N,E	SS		44	50		
		N	SSS		46	18		
			Lr		48	21		
		E	Lr		48	39		
			M		56	18		Per.≃13 secs
								⊔ ≃15
		N	M		59	13		Per.≃13 secs
								⊔ ≃30
	KODAIKANAL	E	eP	00	34	34	5640	First movement
			PPP		37	31		West
			eS(?)		41	49		
			SSS		50	01		
			Lq		50	01		
			Lr		52	31		Per.≃15 secs
			M		56	40		⊔ ≃17
11	SHILLONG	Z	eP	05	54	51	220	Slight
			Sg		55	22		
11	SHILLONG	Z	iP	07	33	17		Slight, near
			e		33	34		Rarefaction
	CHATRA	Z	iP	07	33	58	460	Slight
		Z,N,E	iS		34	47		
11	Epc: 13°S, 167°E. New Hebrides Islands							
	SHILLONG	Z	iP	14	09	16		Slight,
			i		09	34		rarefaction
		Z,N,E	i		11	30		
	CHATRA	Z	i	14	11	52		Slight
	MADRAS	E	e	14	12	15		
			e		22	36		
	POONA	Z	e	14	12	39		
			i		12	48		
	BOMBAY	E	e	14	15	54		
		N,E	e		23	18		
			e		24	05		
11	CHATRA	Z	iP	14	42	43	190	Feeble
			iS		43	06		
11	SHILLONG	Z	eP	15	52	56		Slight, local
11	SHILLONG	Z	eP	19	34	50		Slight, distant
	CHATRA	Z	iP	19	34	53		Feeble
			i		35	12		
12	SHILLONG	Z	eP	07	07	35	220	Slight
			Sg		08	07		
12	SHILLONG	Z	iP	10	25	39		Slight, local
								Rarefaction
12	SHILLONG	Z	eP	14	45	34		Slight, distant
								Rarefaction
12	SHILLONG	Z	iP	18	23	08		Slight, distant
			i		24	41		Rarefaction
13	SHILLONG	Z	eP	12	15	07	220	Slight
			Sg		15	38		
13	SHILLONG	Z	eP	12	44	22		Slight, distant
13	CHATRA	Z	iPg	15	04	37	130	Feeble
			iSg		04	54		
13	SHILLONG	Z	eP	18	09	28		Slight, distant
13	SHILLONG	Z	iP	23	10	24		Slight, distant
								Compression
14	Epc: 12½°N, 123½°E. Masbate Island, Philippine Islands - H ≃ 23h 49m 23s (U.S.C.G.S)							
	TOCKLAI	E	eP	23	55	26		Slight
	PORT BLAIR	E	eP	23	55	44		Slight
			i	00	00	29		
			e		02	59		
			M		05	09		Per.≃15 secs
								⊔ ≃15
	SHILLONG	Z,E	iP	23	55	53	3550	Slight,
		E	iS	00	01	05		rarefaction
	BOKARO	E	i(P)	23	56	01		Slight
			i		57	29		
	CALCUTTA	E	e(P)	23	56	16	3900	Slight
			e		57	47		
			i(S)	00	01	49		
			M		12	55		
		N	M		13	02		
	CHATRA	Z	iP					
		E	eP	23	56	30		Slight
	MADRAS	E	eP	23	57	16		Slight
			e		58	47		
			e		59	02		
			e		59	19		
			e	00	00	03		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				March 1958		
14	AGRA	Z,E	iPϑ	23 57 38	4890	Slight
Contd.		N	ePϑ			Rarefaction
		Z,E	iPPP	59 24		First movement
		N	iSϑ	00 04 11		East
		Z,E	eSϑ			
		Z,N,E	M	09 15		Per.=40 secs Amp.=6.5 mm
	DEHRA DUN	N,E	eP	23 57 41	5030	Slight
		N	PP	59 24		
			iS	00 04 22		
			SS	07 44		
			SSS	08 36		
			M	14 23		
	POONA	Z	eP	23 58 03		Slight
		E	e	59 18		
			e	00 00 38		
			e	03 08		
			e	04 36		
			e	07 24		
	BOMBAY	N,E	eP	23 58 10	5480	Slight
			eS	00 05 16		
			e	05 48		
		E	e	06 16		
			e	07 41		
	HYDERABAD	N	e(S)	00 04 00		
14	Epc: 25½°N. 96°E. Northern Burma - H = 00h 09m 41s (U.S.C.G.S) Mag.: 4½ (Shillong)					
	TOCKLAI	E	iP	00 10 27	300	First movement
			eS	11 01		West
14	SHILLONG	Z	eP	00 10 45	330	
		N,E	eP	10 47		
			P*	10 51		
			Pg	10 56		
			iS	11 25		
			S*	11 31		
			Sg	11 36		
	BOKARO	E	e	00 11 26		Slight
	CHATRA	Z	iPϑ	00 11 44		
		E	ePϑ			
		Z,N,E	i	14 07		
	AGRA	Z,N,E	eP	00 13 35	1730	
			eS	16 29		
			SS	16 49		
			M	18 05		Per.=11 secs Amp.=10 mm
	DEHRA DUN	N,E	e(P)	00 13 42	1800	
			i(S)	16 42		
	MADRAS	E	eP	00 14 10	2380	
			e	14 35		
			e	15 44		
			e(S)	18 04		
			e	18 21		
			e	19 24		
	POONA	Z	iP	00 14 35	2480	
		E	PPP	15 17		
			iS	18 37		
			SS	19 35		
			SSS	19 43		
			PcS	21 38		
	BOMBAY	N,E	eP	00 14 48	5510	Superimposed on the prece ding shock
			e	18 48		
			eS	21 56		
			PPS	22 18		
			e	22 56		
	HYDERABAD	N	i	00 19 52		
14	TOCKLAI	E	eP	01 16 41		Slight, distant
	SHILLONG	Z	eP	01 17 01		Slight
14	CHATRA	Z	iPg	03 13 18	120	Feeble
			iSg	13 34		
14	TOCKLAI	E	eP	06 40 31		Slight, distant
			e	41 02		
14	SHILLONG	Z	eP	07 10 47		Slight, distant
14	SHILLONG	Z	eP	12 38 22		Slight, distant
14	SHILLONG	Z	ePg	16 48 16	110	Slight
			Sg	48 29		
	CHATRA	Z	iP	16 49 02	390	Feeble
			iS	49 45		
14	SHILLONG	Z	ePg	18 08 30	110	Slight
			Sg	08 43		
	CHATRA	Z	iP	18 09 15	400	Feeble
			iS	09 59		
14	CHATRA	Z	iP	18 42 03	130	Slight
		Z,N	iS	42 20		
	SHILLONG	Z	eP	18 42 42		Slight, near
15	SHILLONG	Z	eP	00 18 17	200	Slight
			eSg	18 45		
	CHATRA	Z	iP	00 18 41	460	Feeble
			iS	19 30		
15	Epc: 23½°N. 122°E. Near East Coast of Formosa - H = 00h 24m 04s (U.S.C.G.S)					
	SHILLONG	Z	eP	00 29 52	3010	Slight
		N,E	iS	34 30		
	TOCKLAI	E	e	00 30 04		Slight
	CHATRA	Z	iP	00 30 28	3610	Slight
		E	iS	35 42		
	PORT BLAIR	E	i	00 31 02		Slight
			i	31 33		
			e	34 59		
			e	35 08		
			e	36 12		
			e	38 04		Per.=15 secs A =15
	CALCUTTA	E	e	00 31 18		Slight
			e	35 15		
	AGRA	Z,N,E	eP	00 31 41	4250	
			iS	37 37		
			SSS	40 47		
			M	45 23		Per.=17 secs Amp.= 8 mm
	DEHRA DUN	N,E	eP	00 31 48	4190	Slight
		N	iS	37 39		
			SSS	40 43		
			M	45 24		
	MADRAS	E	e	00 32 01		
			e	33 28		
			e	33 35		
			e	37 58		
	POONA	Z	eP	00 32 24	5000	Slight
		E	PP	34 12		
			eS	39 03		
			SS	42 14		
	BOMBAY	E	eP	00 32 31	5160	Slight
			PP	34 22		
			PPP	35 08		
			eS	39 19		
			PS	39 26		
			PPS	39 33		
			SS	42 48		
	HYDERABAD	N	e	00 38 03		
			M	48 24		Per.=15 secs A = 7
15	SHILLONG	Z	eP	05 49 28	200	Slight
			Sg	49 45		
15	POONA	Z	eP	06 36 06		
			i	36 12		
	SHILLONG	Z	eP	06 37 11		Slight, distant
15	DEHRA DUN	N,E	e	11 56 16		Tremor
15	SHILLONG	Z	ePg	13 17 40	60	Slight
			P*	17 41		
			P	17 43		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					March 1958			
15 Contd.	SHILLONG Contd.	Z	Sg S	13	17 47 17 53			
15	CHATRA	Z	iP iS	15	08 29 08 56		230	Feeble
	SHILLONG	Z	eP Sg	15	08 38 09 13		240	Slight
15	SHILLONG	Z	eP	15	46 43			Slight, distant
15	SHILLONG	Z	eP	16	00 43			Slight, distant
15	SHILLONG	Z	iPg	16	42 38			Slight, rarefaction. Felt
15	SHILLONG	Z	iP	19	16 59			Slight, distant Compression
	CHATRA	Z	i	19	17 27			Feeble, distant
15	SHILLONG	Z	iP	22	21 14			Slight, distant Compression
16	SHILLONG	Z	eP Sg	01	18 24 18 37		120	Slight
16	SHILLONG	Z	eP	02	25 05			Slight, local
16	SHILLONG	Z	iP i S	13	56 11 56 21 57 05		510	Slight compression
16	SHILLONG	Z	eP Sg	15	27 32 27 49		130	Slight
16	SHILLONG	Z	iP	16	30 13			Slight, distant Compression
16	SHILLONG	Z	eP	17	39 43			Slight, distant
16	SHILLONG	Z	eP	18	53 03			Slight, near
16	SHILLONG	Z	iPg Sg	20	10 11 10 15		30	Slight, rarefaction
16	SHILLONG	Z	eP	21	15 50			Slight, distant
17	SHILLONG	Z	iP	00	01 00			Slight, distant Compression
	CHATRA	Z	i	00	01 39			Feeble, distant
17	SHILLONG	Z	iP	04	29 27			Slight, distant Compression
17	SHILLONG	Z	eP Sg	06	32 54 33 06		110	
17	CHATRA	Z	iP iS	08	03 15 03 43		240	Feeble
17	SHILLONG	Z	eP	08	04 01			Slight, distant
17	SHILLONG	Z	eP	11	46 10			Slight, distant
17	SHILLONG	Z	iP Sg	17	13 07 13 28		170	Slight, compression
17	SHILLONG	Z	eP Sg	17	42 57 43 12		130	Slight
17	SHILLONG	Z	eP i	20	59 13 59 37			Slight, near
17	Epc: 7°N, 94°E. Nicobar Island region - H = 21h 07m 25s (Shillong) Felt : Kondul Island Epc: Nicobar Islands region - H = 21h 07m 14s (U. S. C. G. S)							
	PORT BLAIR	E	iP iS i	21	08 36 09 24 09 52		450	Slight
	MADRAS	E	eP PP PPP Lq eS Lr M	21	10 50 11 00 11 08 13 17 13 20 13 57 15 05		1480	Slight

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
17 Contd.	VIZIANAGRAM	N, E N	iP iS	21	10 53 13 22			Slight. First movement South Absolute time uncertain due absence of time mark.
	SHILLONG	Z, E Z i Z, E	iP i i iS	21	11 35 12 23 13 19 14 51		1970	Slight, rarefaction
	TOCKLAI	E	eP iS	21	11 52 15 20		2100	Slight
	CHATRA	Z	iP iS	21	12 02 15 45		2250	Slight
	POONA	Z	eP i	21	12 22 12 36			Feeble
	BOMBAY	E N, E	e e	21	17 00 17 28			Slight
	DEHRA DUN	N, E	e	21	13 31			Tremor
17	SHILLONG	Z	eP	21	41 59			Slight, distant
17	SHILLONG	Z	eP	21	50 52			Slight, distant
17	SHILLONG	Z	eP	22	07 45			Slight, local
18	SHILLONG	Z	ePg Sg	00	56 52 57 02		90	Slight
18	SHILLONG	Z	ePg Sg	01	29 41 29 44		20	Slight
18	DEHRA DUN	N, E	e	08	36 43			Tremor
	AGRA	Z, N, E	eP	08	36 51			
	SHILLONG	Z	iP	08	39 15			Slight, distant Rarefaction
	BOMBAY	E e N	e e e	08	41 07 42 48 46 03			Slight
18	TOCKLAI	E	e	12	11 55			Slight, distant
18	TOCKLAI	E	iP	12	12 17			Slight, distant First movement West.
	SHILLONG	Z	iP i	12	12 25 13 05			Slight, distant Rarefaction
18	SHILLONG	Z	iP	18	11 34			Slight, distant Compression
18	SHILLONG	Z	eP Sg	19	14 33 15 03		220	Slight
18	TOCKLAI	E	iP	19	44 44			Slight, distant First movement West.
18	SHILLONG	Z	iP	22	31 38			Slight, distant Rarefaction
	CHATRA	Z	i	22	31 48			Feeble, distant
19	SHILLONG	Z	iPg Sg	03	20 25 20 37		110	Slight, compression
19	SHILLONG	Z	iP Sg	05	47 45 48 05		160	Slight, rarefaction
19	SHILLONG	Z	iP Sg	20	45 45 46 16		220	Slight, rarefaction
19	SHILLONG	Z	iPg Sg	20	59 53 59 55		20	Slight, rarefaction
20	Epc: 51°N, 173°W. Fox Islands Region. Aleutian Islands - H = 01h 38m 04s (U. S. C. G. S)							
	SHILLONG	Z, N, E N, E	eP iS	01	49 40 59 12		8220	Slight

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				March 1958		
20 Contd	DEHRA DUN	N,E	eP	01 50 09	8730	Moderate
		N	PP	53 13		
			iS	02 00 06		
			PS	00 58		
			SS	04 57		
			SSS	08 23		
			M	21 38		
	AGRA	Z,N,E	iP	01 50 18	8890	First movement
		N,E	iPP	53 28		North and East
		N	iPPP	55 04		
		N,E	iS	02 00 22		
			SKS	00 44		
			PS	01 14		
			iSS	05 40		
			iSSS	09 06		
			M	20 24		Per. ≃ 23 secs Amp. ≃ 9.5 mm
	PORT BLAIR	E	iP	01 50 37		Slight
			e	51 14		
			e	53 57		
			i	55 08		
	HYDERABAD	N	iP	01 51 01	9630	First movement
		E	PP	54 29		South
			iS	02 01 38		
			PS	02 41		
			PPS	03 10		
			Lr	19 52		
		N	M	25 21		Per. ≃ 21 secs ⊔ ≃ 9
		E	M	25 27		Per. ≃ 18 secs ⊔ ≃ 8
	POONA	Z	iP	01 51 04	10470	Slight
		E	PPP	57 05		
			SKKS1	02 01 45		
			eS	02 14		
			PS	03 32		
	BOMBAY	N,E	eP	01 51 05	10370	
			PP	54 45		
			PPP	56 44		
		E	SKS1	02 01 35		
		N,E	SKKS1	01 55		
			eS	02 11		
		E	i	02 39		
			i	03 01		
		N,E	PS	03 18		
		E	PPS	04 08		
		N	M	27 05		Per. ≃ 20 secs ⊔ ≃ 6
20	CHATRA	Z	iP	07 56 30	110	Slight
		Z,E	iS	56 45		
	SHILLONG	Z	eP	07 57 26		Slight, local
20	SHILLONG	Z	eP	08 51 31		Slight, local
20	DEHRA DUN	N,E	e	13 02 43		Tremor
20	SHILLONG	Z	eP	14 58 55		Slight, distant
20	CHATRA	Z	iP	16 22 26	180	Slight
			iS	22 48		
	SHILLONG	Z	eP	16 22 45		Slight, near
			i	23 26		
20	SHILLONG	Z	iP	18 10 59	220	Slight,
			Sg	11 29		rarefaction
20	DEHRA DUN	N,E	e	18 28 22		Tremor
	SHILLONG	Z	eP	18 30 33		Slight, distant
20	SHILLONG	Z	eP	21 33 02		Slight, distant
20	DEHRA DUN	N,E	e	22 25 52		Tremor
20	SHILLONG	Z	iP	22 27 51		Slight, distant Compression
20	SHILLONG	Z	iP	23 11 57		Slight, distant
			i	15 05		Rarefaction
21	DEHRA DUN	N,E	e	01 13 02		Tremor
21	SHILLONG	Z	iP	06 17 37	250	Slight
			Sg	18 14		Compression
21	SHILLONG	Z	eP	07 15 43		Slight, local
21	SHILLONG	Z	eP	10 21 14	220	Slight
			Sg	21 44		Compression
21	SHILLONG	Z	e	14 38 01		Slight, distant
21	SHILLONG	Z	eP	15 38 55		Slight, distant
21	Epc: 13½°N, 92½°E. Andaman Islamds - H ≃ 18h 32m 54s (U. S. C. G. S)					
	PORT BLAIR	F	iP	18 33 31		Slight
	VIZIANAGRAM	N	eP	18 35 23		Slight
			i	35 53		
			i	36 04		
	MADRAS	E	eP	18 35 43		Slight
			e	35 59		
			e	36 07		
			e	38 56		
			e	39 20		
			e	39 34		
			e	39 57		
			e	41 39		
	SHILLONG	Z	iP	18 35 52		Slight, compression
	CHATRA	Z	i	18 36 23		Slight
	AGRA	N,E	eP	18 37 24	2150	Feeble
			iS	40 57		
	DEHRA DUN	N,E	e(P)	18 37 49	2300	Feeble
			e(S)	41 36		
	POONA	Z	e	18 39 38		
			i	40 43		
			i	41 06		
	BOMBAY	N,E	e	18 40 52		Slight
		E	e	46 24		
22	SHILLONG	Z	eP	00 04 10	220	Slight
				04 40		
22	SHILLONG	Z	iP	01 07 47		Slight, distant Rarefaction
22	Epc: 23½°N, 83½°E. Manipur Burma border. h about 100 kms. - H ≃ 10h 11m 40s (Shillong) Epc: 23½°N, 94½°E. Burma-Pakistan border - H ≃ 10h 11m 27s (U. S. C. G. S) Felt: Silchar, Lumding, Haflong, Mazbat, Gauhati, Dhubri and Shillong.					
	SHILLONG	Z,N,E	iP	10 12 16	250	Moderate,
		N,E	i	12 39		rarefaction
			iS	12 45		First movement South and East
	TOCKLAI	E	eP	10 12 23		Slight
			e	12 41		
	CALCUTTA	E	iP	10 12 47	510	Moderate
			iS	13 40		
	CHATRA	Z	iP	10 13 13	670	Moderate
		N,E	iS	14 23		
	BOKARO	N,E	iP	10 13 18	730	Moderate
		N	PP	13 22		First movement
			PPP	13 28		North and East
			Lq	14 24		
			iS	14 34		
			Lr	14 43		
			SS	14 50		
			SSS	14 59		
	PORT BLAIR	E	iP	10 14 19	1270	Moderate
			iS	15 28		
			PcP	20 05		
			PcS	23 36		
			ScS	27 08		
	VIZIANAGRAM	N,E	eP	10 14 23		Moderate
		N	i	14 30		
			i	16 15		
			i	17 06		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
22 Contd.	AGRA	Z,N,E	iP	10 14 53	1480	Moderate, compression
		Z	PP	15 01		First movement
		ZNE	i(PPP)	15 14		North west
		Z	i	15 51		
			i	16 13		
			Lq	17 05		
		ZNE	iS	17 23		
		ZE	SS	17 43		
		Z	Lr	17 57		
		ZNE	SSS	18 04		
			M	19 10		Per. = 5 secs
						Amp. = 52.5 mm
	HYDERABAD	E	iP	10 15 07		First movement
			e	15 19		West
			e	15 26		
			e	18 14		
			e	18 43		
			Lr	19 04		
			M	20 13		Per. = 12 secs
						⊥⊥ = 14
	DEHRA DUN	N,E	eP	10 15 12	1560	Slight
		N	PP	15 22		
			Lq	17 35		
			iS	17 50		
			SS	18 02		
			SSS	18 17		
			Lr	18 29		
			M	19 26		
	MADRAS	E	iP	10 15 17	1790	Moderate
			PP	15 31		First movement
			PPP	15 40		East
			iS	18 09		
			SS	18 31		
			SSS	18 39		
			Lr	19 00		
			M	20 27		
	POONA	Z	iP	10 15 56	2010	Compression
		N,E	PP	16 12		First movement
		E	PPP	16 19		South and West
		ZNE	iS	19 16		
		E	SS	19 44		
		N,E	SSS	20 36		
		E	Lr	21 18		
			M	21 50		
		N	Mn	22 --		Per. = 8 secs
						⊥⊥ = 14
	BOMBAY	N,E	iP	10 16 04	2290	
			PP	16 21		
			PPP	16 31		
		N	eS	19 50		
		E	iS	19 56		
		N	SS	20 20		
		N,E	SSS	20 32		
		N	Lr	20 48		
			M	24 27		Per. = 7 secs
						⊥⊥ = 15
		E	M	26 52		Per. = 7 secs
						⊥⊥ = 8
	KODAIKANAL	E	P	10 16 11	2270	Slight. First
			S	19 55		movement West
22	Epc: 36°N 68°E Afghanistan					
	H = 11h 07m 45s (Shillong)					
	Epc 35½°N 67°E. Afghanistan					
	H = 11h 07m 47s (U.S.C.G.S)					
	DEHRA DUN	N,E	eP	11 10 16	1140	Slight
		N	Lq	12 02		
			iS	12 13		
			SS	12 25		
			Lr	12 33		
			SSS	12 37		
			M	13 21		
	AGRA	ZNE	eP	11 10 47	1200	
		Z	PPP	11 08		
			i	11 27		
		ZNE	iS	12 51		
		ZN	SS	13 02		
		ZNE	Lr	13 10		
			SSS	13 25		
			i(?)	13 41		
			M	13 57		Per. = 4 secs
						Amp. = 89 mm
22	BOMBAY	N,E	eP	11 11 48	2050	
		E	Lq	15 04		
		N,E	eS	15 11		
		E	SS	15 31		
			Lr	15 02		
		N	M	19 42		Per. = 11 secs
						⊥⊥ = 9
	POONA	Z	iP	11 11 56	2010	Moderate,
		N	PP	12 05		compression
		E	PPP	12 17		First movement
		N,E	iS	15 16		East
		E	SS	15 35		
			SSS	15 48		
			Lr	16 01		
			PcP	15 27		
			M	17 33		
	CHATRA	Z	iP	11 12 08	2270	Slight
			i	15 52		
	BOKARO	N,E	iP	11 12 18	2110	Slight
		N	PP	12 38		
			PPP	12 49		
			eS	15 47		
			Lq	15 53		
			SS	15 12		
			Lr	16 40		
			M	18 14		
	HYDERABAD	E	eP	11 12 28	2280	
			iS	16 13		
			Lr	17 04		
			M	18 36		Per. = 12 secs
						⊥⊥ = 25
	CALCUTTA	E	eP	11 12 50	2520	Moderate
			iS	16 55		
	SHILLONG	Z,E	iP	11 12 55	2570	Moderate,
		N,E	iS	17 03		rarefaction
	TOCKLAI	E	eP	11 13 00		Slight
	MADRAS	E	eP	11 13 12	2770	Moderate
			PP	13 49		
			PcP	16 31		
			eS	17 33		
			Lq	18 21		
			SS	18 42		
			SSS	18 59		
			Lr	19 38		
			ScP	20 20		
			M	21 37		
	PORT BLAIR	E	eP	11 14 27		
			PcP	17 14		
			eS	19 42		
			M	25 32		Per. = 18 secs
						⊥⊥ = 20.0
	KODAIKANAL	E	e	11 22 55		Slight
			e	26 39		
22	SHILLONG	Z	iP	14 53 34	260	Slight,
			iS	54 24		rarefaction
22	SHILLONG	Z	iP	15 56 02	260	Slight,
			iS	56 32		rarefaction
22	SHILLONG	Z	iP	15 59 18	260	Slight,
			S	59 48		compression
22	SHILLONG	Z	eP	21 04 05		Slight, distant
22	SHILLONG	Z	iP	21 37 12	250	Slight,
			iS	37 41		compression
23	DEHRA DUN	N,E	e	00 28 05		Tremor
23	Epc: 18°N, 120°E. Near North West coast of Luzon, Philipine Islands - H = 10h 14m 42s (U.S.C.G.S)					
	TOCKLAI	E	eP	10 20 23		Slight, distant
	SHILLONG	Z,E	iP	10 20 27	3080	Slight,
		N,E	iS	25 09		rarefaction

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
23 Contd.	PORT BLAIR	E	e(P)	10	20	39		Slight
			iS		25	06		
			i		27	39		
	CHATRA	Z	iP	10	21	07		Slight, distant
	CALCUTTA	E	e	10	21	14		Slight, distant
			e		25	10		
			i		29	48		
	AGRA	Z,N,E	eP	10	22	18	4500	Moderate
		Z,E	PP		23	52		
		Z	PPP		24	24		
		Z,N,E	eS		28	28		
		Z,N	SS		31	20		
			SSS		32	14		
		Z,N,E	M		35	52		Per. ≃ 12 secs
								Amp. ≃ 0.8 mm
	DEHRA DUN	N,E	e(P)	10	22	29	4460	Slight, phases
			i(S)		28	35		not clear
	POONA	Z	iP	10	22	53	4800	Slight
		E	PPP		25	09		
			eS		29	20		
		N,E	PPS		29	35		
		E	SS		32	21		
		N	Lr		35	28		
			M		39	37		
	BOMBAY	E	eP	10	23	04	5110	Slight
			PP		24	56		
		N,E	eS		29	49		
			SS		33	10		
		E	SSS		34	20		
		N	M		42	59		Per. ≃ 11 secs
								A ≃ 1
23	SHILLONG	Z	e	10	34	48		Slight, distant
23	SHILLONG	Z	iP	17	39	55		Slight, distant Compression
23	SHILLONG	Z	eP	19	05	01		Slight, distant
23	SHILLONG	Z	iP	19	24	33		Slight, distant
23	SHILLONG	Z	eP	20	38	54		Slight, distant
23	SHILLONG	Z	eP	22	28	41	190	Slight
			Sg		29	06		
23	SHILLONG	Z	ePg	22	34	04	30	Slight
			Sg		34	08		
24	SHILLONG	Z	eP	04	45	51	250	Slight
			iS		46	20		
24	SHILLONG	Z	eP	05	31	00	250	Slight
			iS		31	29		
24	SHILLONG	Z	eP	08	18	08		Slight, distant
			i		19	19		
24	SHILLONG	Z	eP	09	12	20	380	Slight
			iS		13	01		
24	SHILLONG	Z	eP	12	01	25		Slight, distant
24	SHILLONG	Z	e	17	30	54		Slight, local
24	SHILLONG	Z	iP	19	45	43	150	Slight,
			Sg		46	03		compression
24	SHILLONG	Z	e	21	15	14		Slight, distant
24	SHILLONG	Z	eP	21	34	42		Slight, distant
24	SHILLONG	Z	e	21	59	34		Slight, distant
24	SHILLONG	Z	eP	22	22	52		Slight, distant
24	SHILLONG	Z	iP	22	24	39		Slight, local Compression
24	SHILLONG	Z	iP	22	27	21		Slight, distant Compression
25	SHILLONG	Z	iP	09	07	47		Slight, distant Rarefaction
25	SHILLONG	Z	iP	09	36	00		Slight, distant Compression
25	SHILLONG	Z	iPg	09	55	13	100	Slight, rarefaction
			Sg		55	23		
25	SHILLONG	Z	e	16	02	28		Slight, distant
25	SHILLONG	Z	ePg	19	24	30	100	Slight
			Sg		24	40		
25	SHILLONG	Z	e	21	43	22		Slight, distant
			i		43	55		
			i		44	10		
25	SHILLONG	Z	iP	21	55	13		Slight, distant Rarefaction
25	BOMBAY	E	e	22	01	54		Slight
25	Epc: 2°N, 67°E. - H ≃ 22h 33m 35s (Shillong)							
	3°N, 67°E. - H ≃ 22h 33m 45s (U.S.C.G.S)							
	KODAIKANAL	E	eP	22	36	56		Slight
			e		40	26		
	MADRAS	E	eP	22	37	40	2020	Moderate
			PPP		38	02		
			Lq		40	54		
			eS		41	01		
			SS		41	25		
			SSS		41	37		
			Lr		41	50		
			M		43	22		
	POONA	Z	iP	22	37	43	2080	Slight
		E	PP		37	59		
		N,E	iS		41	08		
		E	SS		41	22		
			SSS		41	39		
		N	Lr		42	25		
		E	M		43	02		
	BOMBAY	N,E	eP	22	37	45	2030	Slight
		E	e		41	00		
		N,E	iS		41	07		
		E	SS		41	30		
			Lr		42	01		
		N	M		46	46		Per. ≃ 10 secs
								A ≃ 3
	HYDERABAD	N	eP	22	38	00	2090	Moderate
			eS		41	27		
		E	SS		41	52		
		N	Lr		42	48		
			M		44	31		Per. ≃ 11 secs
								A ≃ 7
		E	M		44	45		Per. ≃ 9 secs
								A ≃ 3
	AGRA	Z,N,E	iP	22	39	29	2900	Slight, Compression. First movement
			iS		43	59		North and East
			M		45	59		Per. ≃ 13 secs
								Amp. ≃ 10.5 mm
	BOKARO	N	eP	22	39	43	3230	Slight, other
			eS		44	35		phases unidentifiable.
	CALCUTTA	E	e	22	40	09		Slight, distant
			e		43	46		
			e		44	35		
	DEHRA DUN	N,E	e	22	40	21		Slight, phases
			i		44	46		not clear
			i		50	28		
	SHILLONG	Z	iP	22	40	21		Slight, distant Rarefaction.
25	SHILLONG	Z	iP	23	56	20		Slight, distant Compression
26	SHILLONG	Z	iP	00	32	37		Slight, distant Rarefaction
	CHATRA	Z	i	00	33	15		Feeble, distant
	POONA	Z	iP	00	34	45		Feeble
25	SHILLONG	Z	eP	03	29	47		Slight, distant
26	SHILLONG	Z	eP	17	15	28		Slight, distant
25	SHILLONG	Z	eP	18	17	40		Slight, distant
			i		17	47		

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DATE	STATION	COMPT	PHASE	G. h.	M. m	T. s.	Δ km	REMARKS
26	SHILLONG	Z	eP	18	27	52	250	Slight
			Sg		28	29		
26	SHILLONG	Z	e	18	36	51		Slight, distant
26	SHILLONG	Z	eP	18	55	55		Slight, local
26	CHATRA	Z	iP	18	59	47	600	Feeble
			iS	19	00	50		
26	SHILLONG	Z	iPg	19	07	50	120	Slight, rarefaction
			Sg		08	03		
26	SHILLONG	Z	iP	20	00	02		Slight, rarefaction
26	SHILLONG	Z	iP	21	43	29		Slight, distant Rarefaction
26	SHILLONG	Z	iP	22	12	48	130	Slight,
			Sg		13	03		rarefaction
26	KODAIKANAL	E	e	22	36	56		Slight
			e		40	26		
27	SHILLONG	Z	eP	00	44	27		Slight, distant
27	SHILLONG	Z	eP	05	13	28		Slight, near
27	SHILLONG	Z	iP	06	45	02		Slight, distant Compression
27	DEHRA DUN	N,E	e	07	59	06		Tremor
27	SHILLONG	Z	iP	07	59	57		Slight, distant Compression
27	SHILLONG	Z	iP	15	29	58		Slight, distant Rarefaction
27	DEHRA DUN	N,E	e	15	26	43		Tremor
27	SHILLONG	Z	eP	16	27	58		Slight, distant
27	SHILLONG	Z	iP	17	19	19		Slight, distant karefaction
28	SHILLONG	Z	eP	00	08	12		Slight, distant
28	Epc: 36½°N, 71°E. Hindukush h ≈ 200 km Ca - H ≈ 04h 09m 30s (U.S.C.G.S). Felt: Kabul (U.S.C.G.S) and over Kasmir valley and parts of Punjab and West Pakistan (Press Report)							
	DEHRA DUN	N,E	eP	04	11	34	890	Slight
		N	e		11	42		
			ee		11	48		
			e		12	56		
			iS		13	05		
			e		13	17		
			e		13	28		
			e		13	52		
	AGRA	Z,N,E	iP	04	12	04	1170	Moderate,
		N,E	PP		12	12		rarefaction.
			PPP		12	21		First movement
		Z	i(?)		12	56		North
		Z,N,E	iS		14	00		
			SS		14	14		
			Lr		14	30		
			SSS		14	40		
			M		15	10		
	CHATRA	Z,E	iP	04	13	14	1870	Slight
		E	iS		16	21		
	BOMBAY	N,E	e(P)	04	13	30		Slight, deep.
			e(S)		16	36		
	BOKARO	N,E	iP	04	13	31		Slight, other
			i(S)		16	46		phases very poorly developed
	POONA	Z	iP	04	13	34	2220	Slight
		N,E	PP		13	48		
			PPP		13	59		
			iS		16	52		
		E	SS		17	10		
			SSS		17	24		
		N	M		19	05		
	HYDERABAD	N	eP	04	13	53	2120	Moderate
			PP		14	14		
			PPP		14	53		
28 Contd.	HYDERABAD Contd.	N	iS	04	17	23		
			Lr		18	08		
		E	M		19	47		Per. ≈ 6 secs ⊔ ≈ 2
		N	M		20	05		Per. ≈ 9 secs ⊔ ≈ 4
	SHILLONG	Z	iP◊	04	14	00	2300	Slight
		N,E	eP◊					
		E	sP		15	07		
			iS		17	33		
	CALCUTTA	N	eP	04	14	02	2170	Slight
			iS		17	36		
	TOCKLAI	E	eP	04	14	13		Slight, distant
	MADRAS	E	eP	04	14	39	2780	Slight
			PPP		15	19		
			e		15	44		
			PcP		18	21		
			iS		18	42		
			Lq		19	04		
			SS		19	29		
			SSS		19	44		
			Lr		20	07		
			M		21	59		
28	Epc: 37°N, 70.4°E. Hindukush - h about 200 km Ca - H ≈ 12h 06m 20s (SHILLONG) Epc: 37°N, 71°E. Hindukush. - h ≈ 200 km Ca - H ≈ 12h 06m 24s (U.S.C.G.S). Felt over Kashmir valley and parts of Punjab and West Pakistan (Press Report).							
	DEHRA DUN	N,E	eP	12	08	25	870	Moderate
		N	PP		08	31		
			PPP		08	39		
			Lq		09	43		
			iS		09	55		
			SS		10	09		
			SSS		10	19		
			M		10	45		
	AGRA	Z,N,E	iP	12	08	56	1140	Great, rarefaction. First
		Z	PP		09	04		movement North
		Z,N,E	PPP		09	14		
			i(?)		09	36		
		Z	i(?)		10	36		
		Z,N,E	iS		10	52		
			M		12	16		
	CHATRA	Z	iP	12	10	05	1750	Slight
		E	iS		13	00		
	BOMBAY	N,E	iP	12	10	20	2020	Moderate
			i		10	31		
			sP(?)		11	08		
			iS		13	41		
	BOKARO	N,E	iP	12	10	24	1870	Moderate.
		N	PP		10	37		First movement
			PPP		10	48		North and West
			i		11	07		
			iS		13	30		
			SS		13	42		
			Lr		13	55		
	POONA	Z	iP	12	10	26	2160	Moderate,
		E	PP		10	38		rarefaction.
		N,E	PPP		10	48		First movement
			iS		13	40		North and West
			SS		13	46		
			Lr		14	26		
			M		15	49		
		N	PcP		15	51		
	HYDERABAD	N	iP	12	10	45	2160	Moderate.
			PPP		11	44		First movement
			eS		14	20		North
			Lr		15	33		
		E	Lr		15	37		
		N	M		16	31		Per. ≈ 6 secs ⊔ ≈ 14
		E	M		16	33		Per. ≈ 5 secs ⊔ ≈ 20
	CALCUTTA	N,E	iP	12	10	51	2400	Moderate. First
			iS		14	31		movement South and East.
	SHILLONG	E	iP◊	12	10	53	2410	Moderate
		N	eP◊					First movement
		E	PP		11	24		West.

International Seismological Centre From the ISC collection scanned by SISMOS

MICROSEISMIC TABULATION
March 1958.

Station : Shillong Component: E. W.

DATE	HOUR G.M.T	K	MEAN SIMPLE Amplitude in m.m.	MEAN PERIOD IN sec.
01	00	-	-	-
	06	1	0.1	5.2
	12	1	0.2	5.0
	18	1	0.2	4.8
02	00	1	0.1	5.0
	06	1	0.3	5.2
	12	1	0.2	4.8
	18	1	0.2	4.8
03	00	1	0.2	5.0
	06	1	0.2	4.8
	12	1	0.2	4.8
	18	-	-	-
04	00	1	0.2	5.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
05	00	-	-	-
	06	2	0.2	5.0
	12	2	0.2	4.8
	18	1	0.1	5.0
06	00	1	0.2	4.8
	06	1	0.3	5.0
	12	1	0.2	4.6
	18	1	0.2	4.8
07	00	1	0.1	5.2
	06	1	0.2	5.0
	12	1	0.2	4.6
	18	-	-	-
08	00	1	0.2	4.8
	06	2	0.3	4.6
	12	2	0.3	4.8
	18	1	0.3	4.6
09	00	1	0.2	5.0
	06	1	0.2	4.8
	12	1	0.2	4.6
	18	1	0.2	4.4
10	00	1	0.1	4.8
	06	1	0.1	5.0
	12	1	0.2	5.0
	18	1	0.2	4.4
11	00	-	-	-
	06	1	0.2	4.8
	12	1	0.3	5.0
	18	1	0.2	4.6
12	00	1	0.1	4.5
	06	-	-	-
	12	2	0.2	4.7
	18	3	0.2	5.0
13	00	2	0.3	5.0
	06	3	0.3	4.8
	12	3	0.2	5.0
		3	0.2	4.2
	18	2	0.1	5.7
14	00	-	-	-
	06	2	0.3	5.0
	12	2	0.3	4.7
	18	3	0.2	5.0
15	00	3	0.2	4.5
	06	3	0.2	5.0
	12	3	0.3	5.0
	18	3	0.2	4.9
16	00	-	-	-
	06	3	0.1	5.0
	12	3	0.1	5.0
	18	-	-	-
17	00	-	-	-
	06	3	0.1	5.5
	12	3	0.1	5.5
	18	3	0.1	4.8
18	00	3	0.2	5.0
	06	3	0.1	5.0
	12	2	0.1	5.0
	18	2	0.2	5.0
19	00	2	0.1	4.6
	06	2	0.2	5.2
	12	2	0.2	5.0
	18	3	0.2	4.7
20	01	2	0.2	5.0
	02	-	-	-
	03	-	-	-
	04	3	0.2	5.0
	05	2	0.2	5.0
	06	-	-	-
	07	-	-	-
	08	3	0.2	5.0
	09	-	-	-
	10	3	0.2	4.5
	11	3	0.1	5.0
	12	2	0.2	5.0
	13	2	0.3	5.0
	14	3	0.2	5.2
	15	3	0.2	5.0
	16	3	0.2	5.0
	17	-	-	-
	18	2	0.3	5.5
	19	2	0.2	5.0
	20	-	-	-
	21	3	0.1	5.2
	22	-	-	-
	23	2	0.2	5.5
21	00	2	0.3	5.5
	01	-	-	-
	02	-	-	-
	03	2	0.3	4.7
	04	2	0.2	5.5
	05	2	0.3	5.0
	06	2	0.3	5.5
	07	2	0.3	4.5
	08	2	0.3	4.5
	09	2	0.3	5.5
	10	3	0.3	6.5
	11	3	0.3	6.5
	12	3	0.2	5.0
	13	-	-	-
	14	3	0.3	5.0
	15	-	-	-
	16	2	0.2	4.5
	17	-	-	-
	18	-	-	-
	19	3	0.2	5.0
	20	2	0.1	4.8
	21	2	0.2	5.0
	22	-	-	-
	23	-	-	-
22	00	-	-	-
	06	3	0.2	4.7
	12	-	-	-
	18	3	0.1	4.3
23	00	2	0.2	4.8
	06	2	0.2	5.0
	12	2	0.2	4.8
	18	-	-	-
24	00	2	0.1	5.6
	06	3	0.2	4.5
	12	2	0.3	5.0
	18	2	0.3	5.0
25	00	3	0.2	5.0
26	06	3	0.2	5.0
	12	3	0.2	5.0
	18	3	0.2	5.3
27	00	3	0.1	4.5
	06	3	0.3	5.4
	12	-	-	-
	18	3	0.2	5.0
28	00	3	0.1	4.5
	01	-	-	-
	02	-	-	-
	03	3	0.2	5.0
	04	-	-	-
	05	3	0.2	4.5
	06	3	0.3	4.5
	07	3	0.2	5.0
	08	3	0.2	4.5
	09	2	0.3	5.0
	10	2	0.1	4.5
	11	3	0.2	5.0
	12	3	0.2	4.7
	13	-	-	-
	14	3	0.2	5.0
	15	3	0.2	5.0
	16	-	-	-
	17	2	0.2	4.5
	18	3	0.2	4.5
	19	2	0.3	5.0
	20	2	0.3	5.4
	21	3	0.2	4.5
	22	-	-	-
	23	2	0.2	4.5
29	00	-	-	-
	06	3	0.2	5.0
	12	2	0.2	4.5
	18	2	0.3	5.0
30	00	3	0.2	5.0
	06	-	-	-
	12	3	0.2	4.5
	18	-	-	-
31	00	3	0.2	5.0
	06	-	-	-
	12	3	0.3	6.0
	18	3	0.3	4.7

Station: Madras Component: E W.

DATE	HOUR G.M.T	K	MEAN SIMPLE Amplitude in m.m	MEAN PERIOD IN sec.
01	00	-	-	-
	03	3	0.2	1.5
	06	3	0.1	1.3
	12	3	0.1	1.3
	18	3	0.2	1.7
02	00	3	0.2	1.7
	03	3	0.2	1.9
	06	3	0.2	1.7
	12	3	0.2	1.7
	18	3	0.2	1.8
03	00	3	0.2	1.8
	03	3	0.2	1.7
	06	3	0.2	1.9
	12	3	0.1	1.7
	18	3	0.2	2.0
04	00	-	-	-
	03	-	-	-
	06	2	0.4	4.2
	12	2	0.5	4.2
	18	2	0.4	4.5
05	00	-	-	-
	03	2	0.5	4.7
		3	0.2	1.8
	06	3	0.2	1.9
	12	-	-	-
	18	3	0.3	2.4
06	00	3	0.4	2.6
	03	3	0.4	2.9
	06	3	0.3	2.9
	12	3	0.3	3.0
	18	3	0.3	2.3
07	00	3	0.3	2.3
	03	3	0.3	2.7
	06	3	0.3	2.7
	12	3	0.3	2.1
	Contd 18	3	0.3	2.6
08	00	3	0.3	2.5
	03	3	0.3	3.0
	06	3	0.4	2.9
	12	3	0.4	3.0
	18	3	0.3	2.7
09	00	3	0.3	2.8
	03	3	0.3	3.4
	06	3	0.3	3.0
	12	3	0.3	2.8
	18	3	0.3	3.5
10	00	3	0.3	2.9
	03	2	0.4	3.4
	06	2	0.4	3.9
	12	-	-	-
	18	2	0.5	4.5
11	00	2	0.5	4.4
	03	2	0.4	4.3
	06	2	0.4	4.4
	12	-	-	-
	18	2	0.3	4.5
12	00	2	0.3	4.3
	03	2	0.3	4.3
	06	2	0.3	4.4
	12	-	-	-
	18	2	0.3	4.5
13	00	2	0.3	4.3
	03	2	0.4	4.1
	06	-	-	-
	12	-	-	-
	18	2	0.4	4.9
14	00	-	-	-
	03	2	0.4	4.5
	06	2	0.4	4.4
	12	2	0.4	4.3
	18	2	0.3	4.6
15	00	2	0.3	4.5
	03	-	-	-
	06	-	-	-
	12	2	0.4	5.0
	18	2	0.4	4.9
		3	0.1	1.4
16	00	2	0.4	4.6
		3	0.2	1.1
	03	2	0.5	4.5
	06	2	0.4	4.8
	12	2	0.5	4.9
	18	2	0.3	4.6
17	00	-	-	-
	03	2	0.4	4.6
	06	2	0.4	4.9
	12	2	0.5	4.8
	18	2	0.4	4.5
18	00	2	0.3	4.5
	03	2	0.3	4.4
	06	2	0.4	4.8
	12	2	0.4	4.6
	18	2	0.4	4.7
19	00	2	0.3	4.7
	03	2	0.4	4.3
		3	0.1	1.2
	06	2	0.3	4.5
		3	0.1	1.0
	12	2	0.4	4.6
	18	2	0.4	4.3
20	00 to 23	No record.		
21	00	-	-	-
	01	-	-	-
	02	-	-	-

International Seismological Centre From the ISC collection scanned by SISMOS

Station: Madras Component: E.W.

DATE	HOUR G.M.T	K	MEAN SIMPLE Amplitude in m.m	MEAN PERIOD IN sec.
21	03	2	0.5	4.5
contd.	04	2	0.5	4.8
	05	2	0.5	4.4
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	2	0.5	4.3
	15	2	0.4	4.1
	16	2	0.4	4.3
	17	2	0.4	4.2
	18	2	0.4	4.3
	19	2	0.4	4.2
	20	2	0.4	4.2
	21	2	0.4	4.3
	22	2	0.4	4.1
	23	2	0.3	4.1
22	00	2	0.4	4.2
	01	2	0.3	4.2
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	2	0.5	4.3
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	2	0.5	4.1
	14	2	0.6	4.0
	15	2	0.6	4.1
	16	2	0.6	4.3
	17	2	0.6	4.0
	18	2	0.5	4.0
	19	2	0.5	4.2
	20	2	0.5	4.2
	21	2	0.4	4.0
	22	2	0.4	4.0
	23	2	0.4	4.2
23	00	2	0.5	4.1
	01	2	0.4	4.1
	02	-	-	-
	03	2	0.5	4.0
	04	2	0.5	4.1
	05	2	0.4	4.1
	06	2	0.5	4.3
	07	2	0.5	4.4
	08	2	0.4	4.1
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	2	0.5	4.3
	15	2	0.5	4.4
	16	2	0.5	4.4
	17	2	0.5	4.1
	18	2	0.5	4.1
	19	2	0.5	4.3
	20	2	0.5	4.3
	21	2	0.5	4.1
	22	2	0.4	4.1
	23	2	0.4	4.1
24	00	2	0.4	4.3
	01	2	0.4	4.2
	02	2	0.4	4.3
	03	2	0.6	4.8
	04	2	0.6	4.7
	05	2	0.5	4.9
	06	2	0.5	4.6
	07	2	0.5	4.8
	08	2	0.5	4.8
	09	2	0.5	4.6
	10	2	0.4	4.5
	11	2	0.5	5.0
	12	2	0.5	4.9
	13	2	0.5	4.8
	14	2	0.5	4.8
	15	2	0.5	4.6
	16	2	0.5	4.6
24 Contd.	17	2	0.5	4.7
	18	2	0.4	4.5
	19	2	0.5	4.7
	20	2	0.5	4.6
	21	2	0.5	4.6
	22	2	0.5	4.6
	23	2	0.4	4.4
25	00	2	0.4	4.3
	01	2	0.5	4.7
	02	2	0.4	4.5
	03	2	0.4	4.7
	04	2	0.5	4.9
	05	2	0.5	5.0
	06	-	-	-
	07	2	0.4	4.5
	08	2	0.4	4.4
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	2	0.3	4.5
	15	2	0.3	4.4
	16	2	0.3	4.5
	17	2	0.4	4.6
	18	2	0.4	4.9
	19	2	0.4	4.6
	20	2	0.4	4.7
	21	2	0.3	4.9
	22	-	-	-
	23	-	-	-
26	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	2	0.4	4.6
	04	2	0.4	4.9
	05	2	0.4	4.7
	06	2	0.4	4.7
	07	2	0.3	4.3
	08	2	0.3	4.0
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	2	0.3	3.9
	14	2	0.3	4.2
	15	2	0.4	4.3
	16	2	0.4	4.2
	17	2	0.4	4.4
	18	2	0.3	4.0
	19	2	0.3	4.2
	20	2	0.3	4.1
	21	2	0.3	4.3
	22	-	-	-
	23	-	-	-
27	00 to 23	No record		
28	00 to 23	No record		
29	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	3	0.2	2.6
	05	3	0.2	2.7
	06	3	0.2	2.7
	07	3	0.2	2.6
	08	3	0.3	2.7
	09	3	0.3	2.8
	10	3	0.3	2.7
	11	3	0.3	2.8
	12	3	0.3	2.7
	13	3	0.3	2.8
	14	3	0.3	2.7
	15	3	0.3	2.9
	16	3	0.3	2.8
	17	3	0.3	3.0
	18	3	0.3	2.9
	19	3	0.3	2.9
	20	3	0.3	2.9
	21	3	0.3	3.0
	22	3	0.3	2.9
	23	3	0.3	2.9
30	00	3	0.3	2.8
	01	3	0.3	2.9
	02	3	0.3	2.9
	03	-	-	-
	04	-	-	-
	05	3	0.3	2.9
	06	3	0.3	3.0
	07	3	0.3	2.9
	08	3	0.3	2.8
	09	3	0.2	2.9
	10 to 23	No record		
31	00 to 23	No record		

Station: Bombay
Component: E.W.

DATE	HOUR G.M.T	K	MEAN SIMPLE Amplitude in m.m	MEAN PERIOD IN sec.
01	00	(3)	0.4	5.1
			0.3	2.0
	05	(3)	0.3	4.9
			0.4	2.3
	12	(3)	0.3	5.2
			0.3	2.2
	18	(3)	0.3	5.2
			0.3	2.3
02	00	3	0.3	5.1
			0.3	2.3
	06	3	0.3	4.7
			0.3	2.4
	12	-	-	-
	18	3	0.3	5.2
			0.3	2.6
03	00	3	0.3	4.6
			0.3	2.5
	06	3	0.3	5.3
			0.4	2.4
	12	3	0.3	5.1
			0.4	2.6
	18	-	-	-
04	00	(1)	0.5	2.0
	03	(1)	0.7	2.5
	06	(1)	0.9	2.5
	09	(1)	0.6	2.5
	12	(1)	0.7	2.5
	15	(1)	0.7	2.6
	18	(1)	0.7	2.7
	21	(1)	0.5	2.8
05	00	1	0.7	2.7
	03	1	0.6	2.8
	06	1	0.5	2.7
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	-	-	-
	21	-	-	-
06	00	3	0.4	4.6
			0.3	2.4
	06	3	0.3	4.6
			0.2	2.7
	12	2	0.3	4.3
	18	2	0.3	4.6
07	00	2	0.3	4.4
	06	2	0.3	4.3
	12	-	-	-
	18	2	0.5	4.4
08	00	2	0.3	4.4
	06	2	0.5	4.3
	12	2	0.4	4.5
	18	2	0.5	4.9
09	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	1	0.5	2.1
	21	1	0.5	2.2

Station: Bombay Compt. E.W.

DATE	HOUR G.M.T	K	MEAN SIMPLE Amplitude in m.m	MEAN PERIOD IN sec.
10	00	1	0.7	2.5
	03	1	0.7	2.5
	06	1	0.7	2.6
	09	1	0.5	2.7
	12	1	0.5	2.6
	15	-	-	-
	18	-	-	-
	21	-	-	-
11	00	2	0.3	4.7
	06	2	0.3	4.1
	12	2	0.3	4.4
	18	2	0.3	4.2
12	00	2	0.3	4.5
	06	3	0.3	4.8
			0.3	2.1
	12	3	0.3	4.9
			0.3	1.8
	18	3	0.5	4.4
			0.3	1.9
13	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	1	0.5	2.2
	18	1	0.6	2.4
	21	1	0.5	2.5
14	00	1	0.5	2.4
	03	1	0.6	2.6
	06	1	0.5	2.7
	09	1	0.5	2.6
	12	-	-	-
	15	-	-	-
	18	-	-	-
	21	-	-	-
15	00	3	0.3	4.8
			0.3	2.4
	06	2	0.3	2.5
	12	-	-	-
	18	2	0.3	2.6
16	00	3	0.3	4.9
			0.3	2.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
17	00	-	-	-
	06	3	0.3	4.2
			0.1	1.7
	12	3	0.3	5.0
			0.1	1.6
	18	3	0.3	4.9
			0.2	2.1
18	00	2	0.3	4.9
	06	3	0.3	5.1
			0.2	1.7
	12	2	0.4	2.3
	18	3	0.5	5.0
			0.3	2.2
19	00	3	0.5	5.5
			0.2	2.1
	06	3	0.4	4.5
			0.5	2.1
	12	3	0.5	5.2
			0.7	2.6
	18	3	0.4	5.0
			0.5	2.4
20	00	(3)	0.4	4.8
			0.3	2.3
	01	2	0.3	2.2
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	3	0.4	4.6
			0.5	2.2
	06	2	0.5	2.3
	07	2	0.5	2.3
	08	2	0.5	2.6
	09	2	0.5	2.4
	10	2	0.5	2.5
	11	2	0.5	2.5
	12	2	0.4	2.4

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DATE	HOUR G.M.T	K	MEAN simple amplitude in mm	MEAN Period in sec.
Station: Bombay Component E.W. (Contd.)				
20	13	3	0.3	5.2
Contd.			0.3	2.1
	14	3	0.3	4.5
			0.5	1.9
	15	3	0.4	5.7
			0.3	2.2
	16	3	0.4	6.0
			0.3	2.3
	17	3	0.3	6.3
			0.3	2.1
	18	3	0.5	6.1
			0.4	2.2
	19	3	0.5	6.6
			0.3	2.0
	20	3	0.6	6.6
			0.5	2.3
	21	3	0.5	6.4
			0.6	2.2
	22	3	0.5	6.3
			0.6	2.5
	23	(3)	0.7	6.7
			0.7	2.4
21	00	(3)	0.5	6.3
			0.7	2.6
	01	3	0.5	5.3
			0.8	2.5
	02	3	0.5	5.8
			0.8	2.6
	03	3	0.5	5.8
			0.8	2.6
	04	3	0.5	5.2
			0.8	2.6
	05	3	0.5	5.8
			0.9	2.6
	06	3	0.5	5.3
			0.9	2.6
	07	3	0.4	5.2
			0.8	2.8
	08	3	0.4	5.9
			0.7	2.6
	09	3	0.3	4.6
			0.8	2.5
	10	3	0.3	5.5
			0.6	2.6
	11	3	0.3	4.9
			0.5	2.8
	12	3	0.3	5.4
			0.6	2.6
	13	3	0.3	5.4
			0.5	2.6
	14	3	0.3	5.2
			0.3	2.4
	15	3	0.3	5.1
			0.3	2.4
	16	3	0.3	5.0
			0.4	2.6
	17	3	0.3	5.1
			0.3	2.4
	18	3	0.3	5.1
			0.3	2.2
	19	-	-	-
	20	3	0.3	5.3
			0.3	2.3
	21	3	0.3	5.0
			0.3	2.1
	22	2	0.3	2.2
	23	(2)	0.3	2.1
22	00	(2)	0.3	2.2
	01	2	0.3	2.1
	02	2	0.3	2.1
	03	2	0.3	2.2
	04	2	0.4	2.4
	05	2	0.3	2.4
	06	2	0.3	2.6
	07	2	0.3	2.4
	08	2	0.5	2.4
	09	2	0.3	2.4
	10	2	0.4	2.5
	11	-	-	-
	12	-	-	-
	13	2	0.3	2.5
	14	2	0.4	2.4
	15	2	0.3	2.2
	16	2	0.3	2.4
	17	2	0.3	2.2
	18	2	0.3	2.0
	19	2	0.3	2.3

DATE	HOUR G MT	K	MEAN simple amplitude in mm	MEAN Period in sec.
Contd.	20	2	0.3	2.1
	21	2	0.3	1.9
	22	2	0.2	2.2
	23	(2)	0.3	2.3
23	00	(1)	0.3	2.1
	01	1	0.2	2.3
	02	1	0.2	2.2
	03	1	0.2	2.3
	04	1	0.2	2.2
	05	1	0.3	2.3
	06	1	0.3	2.3
	07	1	0.3	2.3
	08	1	0.3	1.8
	09	1	0.3	1.9
	10	1	0.3	2.1
	11	-	-	-
	12	-	-	-
	13	1	0.3	2.2
	14	1	0.3	2.1
	15	1	0.5	2.2
	16	1	0.5	2.2
	17	1	0.5	2.2
	18	1	0.4	1.8
	19	1	0.7	1.5
	20	1	0.9	1.6
	21	1	0.9	1.7
	22	1	0.8	1.7
	23	(1)	0.5	1.6
24	00	(2)	0.5	1.5
	01	2	0.4	1.7
	02	2	0.3	1.8
	03	2	0.3	1.7
	04	2	0.3	1.8
	05	2	0.3	2.1
	06	2	0.3	2.1
	07	2	0.3	2.0
	08	3	0.4	5.0
			0.3	2.1
	09	3	0.3	5.1
			0.3	2.1
	10	2	0.3	4.5
	11	2	0.3	5.0
	12	2	0.4	5.2
	13	2	0.4	5.2
	14	2	0.3	5.0
	15	2	0.3	5.1
	16	2	0.3	4.8
	17	2	0.3	5.0
	18	2	0.3	4.6
	19	2	0.3	4.5
	20	2	0.3	4.7
	21	2	0.3	4.5
	22	2	0.3	4.7
	23	(2)	0.3	4.6
25	00	(2)	0.4	4.8
	01	2	0.3	4.7
	02	2	0.3	4.6
	03	2	0.3	4.8
	04	2	0.3	4.5
	05	2	0.3	4.7
	06	2	0.4	4.5
	07	2	0.3	4.5
	08	2	0.3	5.1
	09	2	0.3	4.7
	10	2	0.3	4.7
	11	2	0.3	4.8
	12	2	0.3	4.5
	13	2	0.3	5.0
	14	2	0.3	5.1
	15	2	0.3	5.0
	16	2	0.3	4.7
	17	2	0.3	5.3
	18	2	0.3	4.6
	19	2	0.3	4.6
	20	2	0.3	4.7
	21	2	0.3	4.8
	22	2	0.3	4.6
	23	-	-	-
26	00	-	-	-
	01	(2)	0.3	5.1
	02	2	0.3	5.1
	03	2	0.3	5.3
	04	2	0.2	5.1
	05	2	0.2	4.9

DATE	HOUR G.M.T	K	MEAN simple amplitude in mm	MEAN Period in sec.
Component E.W.				
26	06	2	0.3	4.7
Contd.	07	2	0.3	4.9
	08	2	0.3	4.8
	09	2	0.3	5.0
	10	2	0.3	4.7
	11	2	0.2	4.5
	12	2	0.3	4.9
	13	2	0.3	4.4
	14	1	0.3	2.0
	15	1	0.4	2.0
	16	1	0.4	1.9
	17	1	0.4	2.0
	18	1	0.5	2.0
	19	1	0.4	2.0
	20	1	0.5	2.2
	21	1	0.4	2.1
	22	1	0.5	2.3
	23	(1)	0.5	2.3
27	00	(1)	0.5	2.2
	01	1	0.5	2.5
	02	1	0.5	2.5
	03	1	0.5	2.4
	04	1	0.5	2.5
	05	1	0.5	2.4
	06	1	0.5	2.5
	07	1	0.5	2.6
	08	1	0.5	2.5
	09	1	0.5	2.4
	10	1	0.4	2.4
	11	1	0.4	2.5
	12	1	0.5	2.5
	13	-	-	-
	14	1	0.4	2.4
	15	1	0.4	2.4
	16	1	0.4	2.4
	17	1	0.4	2.3
	18	1	0.5	2.3
	19	1	0.5	2.3
	20	1	0.7	2.3
	21	1	0.5	2.4
	22	1	0.4	2.5
	23	(1)	0.5	2.6
28	00	(2)	0.5	2.6
	01	2	0.7	2.5
	02	2	0.5	2.5
	03	2	0.5	2.5
	04	2	0.5	2.5
	05	2	0.5	2.5
	06	2	0.5	2.5
	07	2	0.5	2.4
	08	2	0.5	2.5
	09	2	0.5	2.5
	10	2	0.5	2.4
	11	2	0.4	2.4
	12	2	0.4	2.4
	13	-	-	-
	14	2	0.4	2.4
	15	2	0.4	2.5
	16	2	0.3	2.4
	17	2	0.3	2.4
	18	2	0.3	2.5
	19	2	0.3	2.5
	20	2	0.3	2.3
	21	2	0.3	2.4
	22	2	0.3	2.2
	23	(2)	0.3	2.5
29	00	(2)	0.3	2.5
	01	2	0.3	2.5
	03	2	0.3	2.5
	04	2	0.3	2.5
	05	2	0.3	2.4
	06	2	0.3	2.5
	07	2	0.4	2.5
	08	2	0.3	2.7
	09	2	0.5	2.6
	10	2	0.3	2.7
	11	2	0.3	2.6
	12	2	0.3	2.6
	13	2	0.4	2.5
	14	2	0.3	2.6
	15	2	0.4	2.6
	16	2	0.3	2.8
	17	2	0.4	2.8
	18	2	0.4	3.0
	19	2	0.3	2.9

DATE	HOUR G.M.T	K	MEAN simple amplitude in mm	MEAN Period in sec.
Station Bombay				
29	20	2	0.5	2.9
Contd.	21	2	0.4	2.8
	22	2	0.4	3.2
	23	(2)	0.3	2.8
30	00	2	0.4	2.8
	06	2	0.3	3.0
	12	2	0.4	2.8
	18	2	0.3	2.2
31	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	(1)	0.3	2.0
	18	(1)	0.3	2.1
	21	(1)	0.5	2.3
Station Cochin. Compt. E.W.				
03	06	-	-	-
04	06	1	0.0	-
06	06	1	1.95	1.4
07	06	1	0.0	-
08	06	1	1.2	1.4
10	06	3	0.0	-
11	-	-	-	-
13	06	1	0.0	-
15	06	3	0.8	1.4
17	06	1	0.0	-
18	06	1	1.2	1.4
19	06	1	0.0	-
20	04	1	3.05	1.4
	05	1	2.8	1.0
	06	1	0.8	1.4
	07	1	1.3	1.5
	08	1	1.8	1.4
	09	1	1.8	1.4
	10	1	2.8	1.4
21	04	1	1.9	1.4
	05	3	0.0	-
	06	-	-	-
	07	1	0.0	-
	08	1	0.8	1.4
	09	1	0.8	1.4
	10	1	2.0	1.4
22	06	1	1.8	1.4
24	06	1	0.0	-
25	06	-	-	-
26	06	3	0.0	-
27	06	3	0.0	-
28	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	3	0.0	-
	09	3	0.0	-
	10	-	-	-
29	06	-	-	-
31	06	1	0.0	-
	12	1	0.0	-
	18	1	0.0	-
Component N.S.				
03	06	-	-	-
04	06	-	-	-
06	06	-	-	-
07	06	-	-	-
08	06	1	0.0	-
10	06	1	0.0	-
11	-	-	-	-
12	06	1	0.0	-

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TE	HOUR G.M.T	K	MEAN amplitude in mm	MEAN Period in sec
ation: Cochin				
Component: N.S. (Contd.)				
13	06	1	0.0	-
14	-	-	-	-
15	-	-	-	-
16	06	1	1.0	1.4
17	06	1	0.0	-
18	06	1	0.0	-
19	06	1	0.0	-
20	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	0.0	-
	10	1	0.0	-
21	04	1	0.0	-
	05	1	0.0	-
	06	-	-	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	1.0	1.4
	10	1	2.13	1.4
22	06	1	0.8	1.4
23	-	-	-	-
24	06	1	0.0	-
25	06	-	-	-
26	06	1	0.0	-
27	06	1	0.0	-
28	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	0.0	-
	10	1	0.0	-
29	06	1	0.0	-
30	-	-	-	-
31	06	1	0.0	-
	12	1	0.9	1.4
	18	1	0.8	1.4
Component: Vertical				
0				
03	06	-	-	-
04	06	-	-	-
05	06	-	-	-
07	06	-	-	-
08	06	-	-	-
10	06	-	-	-
12	06	1	0.0	-
13	06	1	0.0	-
15	06	-	-	-
17	06	3	0.0	-
18	06	1	0.0	-
19	06	3	0.0	-
20	04	1	0.0	-
	05	1	5.2	1.0
	06	1	0.0	-
	07	1	0.0	-
	08	1	1.8	1.0
	09	1	1.8	1.0
	10	1	1.8	1.0
21	04	1	1.8	1.0
	05	3	0.0	-
	06	-	-	-
	07	3	0.0	-
	08	3	0.0	-
	09	3	0.0	-
	10	3	0.0	-

DATE	HOUR G.M.T	K	MEAN amplitude in mm	MEAN Period in sec
Component: Vertical (Contd)				
22	06	-	-	-
24	06	-	-	-
25	06	1	0.0	-
26	06	3	0.0	-
27	06	3	0.0	-
28	05	1	0.0	-
	06	3	0.0	-
	07	3	0.0	-
	08	3	0.0	-
	09	3	0.0	-
	10	3	0.0	-
29	06	3	0.0	-
31	06	3	0.0	-
	12	1	0.0	-
	18	1	0.0	-

DATE	HOUR G.M.T	K	GROUND Motion in (Micron)	MEAN Period in sec
Station: Port Blair				
Component: E.W.				
01	00	1	1.8	5.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
020 to 070	No record			
08	00	-	-	-
	06	2	2.0	2.0
	12	2	1.6	2.9
	18	2	2.4	2.1
09	00	2	2.4	3.0
	06	2	2.0	3.3
	12	2	3.2	3.0
	18	2	3.2	2.9
10	00	2	3.6	3.0
	06	2	3.6	3.0
	12	-	-	-
	18	-	-	-
11	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
12	00	-	-	-
	06	-	-	-
	12	1	2.4	5.5
	18	1	2.0	5.3
13	00	1	1.6	5.6
	06	1	2.8	5.1
	12	1	2.4	6.0
	18	1	2.9	7.3
14	00	1	2.5	7.3
	06	1	3.7	7.1
	12	1	3.3	6.8
	18	1	2.8	5.6
15	00	1	2.9	6.8
	06	1	3.3	6.1
	12	1	2.9	6.0
	18	1	2.5	6.8
16	00	1	3.3	6.3
	06	1	2.9	6.5
	12	1	2.5	6.3
	18	1	2.5	6.3
17	00	1	2.5	6.3
	06	-	-	-
	12	-	-	-
	18	-	-	-
18	00	1	3.3	6.5
	06	1	2.6	8.3
	12	1	2.6	8.1
	18	1	3.0	7.8
19	00	1	3.0	7.7
	06	1	3.3	9.8
	12	1	3.0	7.8
	18	1	3.5	7.7
20	00	1	2.9	10.2
	01	1	2.6	8.0
	02	-	-	-
	03	-	-	-
	04	1	4.2	7.5
	05	1	4.2	6.6
	06	1	3.8	8.3
	07	1	3.8	8.3
	08	1	3.0	7.5
	09	1	3.0	8.3
	10	1	3.4	7.5
	11	1	3.5	8.5
	12	1	2.9	7.4
	13	1	2.1	8.3
	14	1	2.1	7.5
	15	1	3.0	7.9
	16	1	3.4	8.0
	17	1	3.4	7.7

DATE	HOUR G.M.T	K	GROUND Motion in (Micron)	MEAN Period in sec
Component: E.W. (Contd)				
20 Contd.	18	1	3.4	8.0
	19	1	3.4	8.0
	20	1	3.4	7.8
	21	1	3.4	8.0
	22	1	3.4	7.8
	23	1	3.7	8.0
21	00	1	3.7	7.5
	01	-	-	-
	02	-	-	-
	03	1	3.7	7.5
	04	1	4.1	9.0
	05	1	2.5	7.0
	06	1	3.0	7.9
	07	1	3.4	7.5
	08	1	2.6	9.2
	09	1	3.0	7.5
	10	1	3.0	7.5
	11	1	3.0	7.5
	12	1	3.0	7.5
	13	1	1.7	7.2
	14	1	2.1	7.2
	15	1	2.1	7.5
	16	1	2.0	6.6
	17	1	2.5	7.2
	18	1	2.1	7.5
	19	1	2.9	6.9
	20	1	2.5	6.9
	21	1	2.6	7.5
	22	1	2.6	7.5
	23	1	2.6	7.5
22	00	1	2.9	7.2
	01	1	2.5	6.8
	02	1	2.9	7.2
	03	1	3.0	7.5
	04	1	2.1	7.5
	05	1	2.5	7.5
	06	1	2.5	6.6
	07	1	2.5	7.4
	08	1	2.1	7.4
	09	1	2.6	7.5
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	1	2.5	6.0
	17	-	-	-
	18	-	-	-
	19	1	2.5	7.0
	20	1	2.1	7.5
	21	-	-	-
	22	1	2.5	7.4
	23	1	2.6	7.5
23	00	1	2.5	6.5
	01	1	2.1	8.0
	02	1	2.6	7.5
	03	1	3.3	7.4
	04	1	2.9	7.1
	05	1	3.0	7.9
	06	1	3.3	7.2
	07	1	3.0	7.2
	08	1	3.0	7.5
	09	1	2.5	6.5
	10	1	2.5	7.0
	11	-	-	-
	12	-	-	-
	13	1	2.1	7.5
	14	1	2.1	6.3
	15	-	-	-
	16	1	2.5	6.8
	17	1	2.5	7.1
	18	1	2.5	7.5
	19	1	2.5	6.6
	20	-	-	-
	21	1	2.6	7.5
	22	1	2.9	6.9
	23	1	2.5	7.1
24	00	1	2.5	7.2
	01	1	2.5	6.8
	02	-	-	-
	03	1	3.4	7.5

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DATE	HOUR G.M.T	K	GROUND motion in (Micron)	MEAN Period in sec.
Station: Port Blair				
Component: E.W. (Contd.)				
24	04	1	3.3	6.8
Contd.	05	1	2.9	6.8
	06	1	2.9	7.4
	07	1	3.3	6.3
	08	1	3.3	7.0
	09	-	-	-
	10	-	-	-
	11	1	2.6	7.5
	12	1	2.5	6.4
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	1	2.5	6.8
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
25	00	1	2.5	7.0
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08 to 23	No records.		
26	00 to 23	No record		
27	00 to 23	No record		
28	00 to 23	No record		
29	00 to 23	No record		
30	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	2	3.2	3.4
31	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	3.2	2.7

DATE	HOUR G.M.T	K	MEAN amplitude (Micron)	MEAN Period in sec.
Station: Howrah				
Component: E.W.				
28	18	-	1.8	2.7
29	00	-	1.4	2.8
30	17	-	1.2	2.7
	19	-	1.2	2.7
	20	-	1.2	2.5
	21	-	1.3	2.7
	22	-	1.3	2.8
	23	-	1.4	22.8
31	00	(1)	4.9	2.9
	03	-	4.5	2.9
	06	-	3.8	2.8
Component: Vertical				
01	00	-	0.6	3.3
	06	-	1.0	4.7
	12	-	0.5	3.9
	18	-	0.8	4.1
02	00	-	0.6	4.5
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
03	00	-	0.8	4.3
	06	-	-	-
	12	-	-	-
	18	-	0.9	4.5
04	00	-	0.8	4.1
	06	-	0.9	4.0
	12	-	0.7	4.3
	18	-	1.1	4.2
05	00	-	0.7	4.4
	06	-	0.7	3.8
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
07	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
08	00	-	-	-
	06	-	-	-
	12	-	0.7	4.1
	18	-	0.8	4.2
09	00	-	0.9	4.0
	06	-	1.0	4.3
	12	-	0.8	3.9
	18	-	-	-
10	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
11	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
12	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.3	5.1
13	00	-	1.1	4.6
	06	-	-	-
	12	-	1.0	4.6
	18	-	0.8	3.9

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
Component: Vertical				
14	00	-	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
15	00	(3)	0.5	3.9
			0.9	5.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	-	0.6	3.5
	06	-	0.7	4.1
	12	-	1.0	4.7
	18	0..	-	-
17	00	-	0.6	4.2
	06	-	-	-
	12	-	-	-
	18	-	1.0	4.3
18	00	--	0.7	4.3
	06	-	-	-
	12	-	-	-
	18	-	-	-
19	00	-	1.1	4.0
	06	-	-	-
	12	-	-	-
	18	-	0.4	3.3
20	19	-	0.6	3.5
	20	-	0.5	2.5
	21	-	0.5	2.5
	22	-	0.4	2.5
	23	-	0.5	2.4
21	01	-	0.5	2.5
	02	-	0.6	2.5
	03	-	-	-
	17	-	0.5	2.7
	19	-	0.4	2.7
	20	-	0.5	2.5
	21	-	0.6	2.4
	22	-	0.7	2.5
	23	-	0.6	2.6
22	00	-	0.6	2.9
	06	-	-	-
	12	-	-	-
	18	-	0.4	2.2
23	00	-	0.5	2.6
	06	-	-	-
	12	-	-	-
	18	-	-	-
24 to 29	No record			
30	00	-	-	-
	03	-	-	-
	06	(1)	1.8	2.8
	09	-	-	-
	12	(1)	1.8	2.8
	15	(1)	2.8	2.9
	18	(1)	3.9	2.8
	21	(1)	3.8	2.8
31	00	(1)	3.6	2.9
	03	-	2.8	2.8
	06	(1)	2.3	2.9
	09	-	-	-
	12	(1)	1.9	2.6
	15	(1)	2.8	2.9
	18	-	1.3	2.9
	21	(1)	3.8	2.8
Component: N.S.				
01	00	-	1.4	5.2
	06	-	-	-
	12	-	-	-
	18	-	1.9	5.5

DATE	HOUR G.M.T	K	MEAN amplitude (Micron)	MEAN Period in sec.
Component: N.S. (Contd)				
02	00	-	1.7	5.1
	06	-	0.9	4.6
	12	-	2.1	4.9
	18	-	1.8	5.2
03	00	-	1.8	5.1
	06	-	-	-
	12	-	-	-
	18	-	2.1	5.1
04	00	-	1.1	5.2
	06	-	-	-
	12	-	1.4	5.0
	18	-	1.8	5.0
05	00	-	1.6	5.2
	06	-	1.5	5.0
	12	-	1.5	5.2
	18	-	1.7	5.0
06	00	-	1.3	5.0
	06	-	-	-
	12	-	1.7	5.0
	18	-	1.6	5.0
07	00	-	1.5	5.0
	06	-	-	-
	12	-	-	-
	18	-	1.4	4.0
08	00	-	1.5	5.0
	06	-	-	-
	12	-	1.8	4.9
	18	-	1.5	5.0
09	00	-	1.9	5.1
	06	-	-	-
	12	-	-	-
	18	-	1.8	5.2
10	00	-	1.7	4.7
	06	-	-	-
	12	-	-	-
	18	-	1.7	5.0
11	00	-	1.5	4.5
	06	-	-	-
	12	-	-	-
	18	-	1.6	4.8
12	00	0..	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.7	5.1
13	00	-	1.8	5.2
	06	-	-	-
	12	-	-	-
	18	--	1.6	4.8
14	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.5	5.0
15	00	-	1.8	5.1
	06	-	-	-
	12	-	1.7	5.3
	18	-	2.0	5.2
16	00	-	1.7	5.2
	06	-	-	-
	12	-	-	-
	18	-	1.5	5.1
17	00	-	1.7	4.9
	06	-	-	-
	12	-	-	-
	18	-	1.6	4.8
18	00	-	1.7	5.0
	06	-	-	-
	12	-	1.7	4.6
	18	-	1.7	5.0

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Station : HOWRAH Component: N.S. (Contd.)

DATE	HOUR G.M.T	K	MEAN amplitude (Micron)	MEAN Period in sec.
19	000	-	2.2	5.3
	06	-	-	-
	12	-	-	-
	18	-	1.9	5.2
20	01	0..	-	-
	02	-	-	-
	17	-	1.0	2.2
	19	-	0.9	2.3
	20	-	0.8	2.2
	21	-	0.8	2.4
	22	-	0.8	2.4
	23	-	1.1	2.5
21	01	-	1.0	2.6
	02	-	0.9	2.5
	03	-	0.7	2.3
	04	-	-	-
	17	(3)	1.3	4.9
			0.8	2.4
	19	-	-	-
	20	-	1.0	2.5
	21	-	0.8	2.4
	22	-	0.8	2.5
	23	-	0.9	2.6
22	00	-	1.3	2.4
	06	-	-	-
	12	-	-	-
	18	-	1.0	2.5
23	00	-	1.1	2.5
	06	-	-	-
	12	-	-	-
	18	-	1.6	5.1
24	00	-	1.3	4.5
	06	-	-	-
	12	-	-	-
	18	-	1.3	4.3
25	00	-	1.8	5.1
	06	-	-	-
	12	-	-	-
	18	-	1.4	5.0
26	00	-	1.6	4.5
	06	-	-	--
	12	-	-	-
	18	-	1.2	4.8
27	00	-	1.4	2.5
	06	-	-	-
	12	-	-	-
	18	-	1.4	3.3
28	01	-	0.9	2.6
	02	-	0.9	2.6
	03	-	1.3	2.5
	04	0..	-	-
	05	0..	-	-
	07	-	1.4	2.7
	13	-	0.9	2.5
	14	-	1.4	2.8
	15	-	1.3	2.7
	16	-	1.3	2.6
	17	-	1.4	2.6
	18	-	-	-
	19	-	1.5	2.7
	20	-	1.5	2.8
	21	-	1.4	2.8
	22	-	1.5	2.8
	23	-	1.7	2.8
29	00	-	1.7	2.8
	06	-	-	-
	12	-	-	-
	18	-	1.2	2.4
30	00	-	1.5	2.7
	03	-	-	-
	06	-	1.7	2.7
	09	-	-	-
	12	(1)	2.4	2.9
	15	(1)	6.2	3.0
	18	(1)	6.5	3.0
	21	-	7.5	2.9
31	00	(1)	7.6	2.8
	03	(1)	6.5	2.9
	06	(1)	3.5	2.8
	09	-	-	-
	12	(1)	2.8	2.8
	15	-	-	-
	18	-	1.9	2.8
	21	-	-	-

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

May 1958

Published under the direction of
Shri S.Basu, M.Sc., F.N.I.,
Director General of Observatories

SEP 9 1968

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGITUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h =0.8	60
					Wood-Anderson	N	0.8	1000	h =0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72	Tg=0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°25'N	78°27'E	535	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0 h=0.8	30
					Wood-Anderson	E	0.8	1000	h = 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To =1.0	Tg =0.18	-	60
					Sprengnether	E	To = Tg = 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h = 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h = 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	Epc: 13½° S. 167½° E. New Hebrides Island h about 200 km. - H = 00h 29m 15s G.M.T. (U.S.C.G.S) Mag: 6¼(Pasadena). 6(Berkeley).					
	PORT BLAIR	E	i	00 40 34		Moderate
			iS	50 14		
	SHILLONG	Z, E	iP	00 41 13		Slight, compression. First movement West.
		E	PcP	41 26		
			i	42 13		
			i	42 33		
			PP	44 10		
			PPP	45 58		
		E	SKS	51 20		
			S	51 26		
			PS	52 14		
			PPS	52 35		
	CALCUTTA	E	eP	00 41 35	9150	Slight
			iS	51 51		
	CHATRA	E	iP	00 41 41	9040	Slight
			iS	51 52		
	BOKARO	N, E	eP	00 41 45	8960	Moderate, Other phases unidentifiable.
			eS	51 52		
	COLOMBO	E	P	00 41 48		
			S	52 06		
			L	01 02 26		
			M	05 48		Amp. ≈0.3 mm
	MADRAS	E	eP	00 42 02	9150	Moderate
			PP	45 18		
			PPP	47 14		
			SKS	52 08		
			iS	52 18		
			ScS	52 27		
			PS	53 18		
			PPS	53 42		
	KODAIKANAL	E	eP	00 42 04	9000	Slight. Other phases not clear. First movement West.
			PPP	46 58		
			iSKS	52 13		
			PPS	53 31		
	HYDERABAD	E	eP	00 42 11	9170	
			iS	52 28		
			PPS	53 53		
			Lr	01 08 42		
	POONA	Z	iP	00 42 30	10490	Slight
		E	PP	45 30		
			iSKS	52 44		
			S	53 28		
			SS	58 07		
	BOMBAY	N, E	eP	00 42 35	9400	Slight
		E	e	43 50		
			PP	45 47		
			e	46 44		
			PPP	47 48		
			i	52 51		
		N	eS	53 02		
		N, E	PS	53 50		
			PPS	54 25		
			i	55 11		
		E	SS	58 52		
01	SHILLONG	Z	eP	01 07 18		Slight, distant
01	TOCKLAI	E	iP	01 41 14		Slight, distant First movement East.
01	SHILLONG	Z	iPg	05 08 25	90	Slight
			PP	08 33		
			Sg	08 35		
01	SHILLONG	Z	iP	06 19 02		Slight, distant Compression
01	SHILLONG	Z	eP	06 37 30		Slight, distant
01	SHILLONG	Z	iP	07 17 56		Slight, distant Compression
01	Epc: ½° S. 120° E. Celebes. H = 09h 31m 43s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	09 38 58		Slight, compression.

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	BOMBAY Contd.	E	S	09 47 56		Slight
		N	e	48 00		
			SS	50 40		
		N, E	M	10 06 --		
	COLOMBO	E	L	09 57 20		
			M	10 02 35		Amp.: 0.2 mm
01	SHILLONG	Z	iP	12 41 05		Slight, rarefaction
01	SHILLONG	Z	iP	12 47 02		Slight, rarefaction
01	SHILLONG	Z	iP	13 25 34		Slight, near, Phases not clear
01	SHILLONG	Z	eP	16 19 35		Feeble
01	SHILLONG	Z	iP	17 02 41		Feeble
01	SHILLONG	Z	iP	17 08 43		Slight, near
01	SHILLONG	Z	iP	19 14 51		Slight, compression
01	SHILLONG	Z	iP	23 43 34		Slight, near Other phases not clear.
02	CHATRA	Z	iP	03 48 12	710	Slight
		Z, E	iS	49 26		
	SHILLONG	Z	iP	03 49 01		Slight, rarefaction
	POONA	Z	e	03 54 26		Tremor
	BOMBAY	N, E	e	03 55 22		Surface waves.
02	SHILLONG	Z	i	07 19 02		Slight, near
			i	19 04		
02	DEHRA DUN	N, E	e	10 45 14		Tremor
02	SHILLONG	Z	iP	10 45 56		Slight, near Compression
02	SHILLONG	Z	iP	11 38 36		Slight, rarefaction
02	SHILLONG	Z	iP	16 22 03		Slight, compression
02	SHILLONG	Z	eP	16 54 55		Slight
02	POONA	Z	i	21 24 41		Tremor
	DEHRA DUN	N, E	e	21 24 57		Feeble, phases not clear
			e	28 27		
	BOMBAY	N	e	21 32 38		Surface waves
		E	e	33 10		
02	SHILLONG	Z	i	21 43 00		Slight
02	SHILLONG	Z	iP	21 56 45		Slight, compression
02	DEHRA DUN	N, E	e	22 54 28		Tremor
03	SHILLONG	Z	iP	06 45 43		Slight, compression
03	SHILLONG	Z	iP	09 30 57		Slight, compression
03	CHATRA	Z	iPg	09 36 30	40	Feeble
			iSg	36 35		
03	SHILLONG	Z	i	11 42 48		Slight, near
			i	43 01		
03	SHILLONG	Z	iPg	14 02 17	110	Slight
			Sg	02 40		
03	SHILLONG	Z	i	14 43 53		Slight, near
			e	43 54		
			e	44 11		
03	SHILLONG	Z	e	18 23 35		Slight

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
03	DEHRA DUN	N, E	e	18 30 44		Tremor
	CHATRA	Z	i	18 30 53		Distant
	SHILLONG	Z	e	18 31 35		Slight
03	CHATRA	Z	i	20 27 55		Feeble, distant
03	SHILLONG	Z	iP	23 28 25		Slight, compression
04	SHILLONG	Z	i	08 53 15		Slight, local
04	SHILLONG	Z	eP	21 50 52		Slight, distant
05	Epc: 36½°N, 45½°E. Iran-Iraq border. - H = 05h 21m 33s G.M.T. (U.S.C.G.S)					
	CHATRA	Z	iP	05 28 39	4250	Slight
		E	iS	34 34		
	SHILLONG	Z	iP	05 29 18		Slight, compression
	DEHRA DUN	N, E	eS	05 32 22		Feeble. Phases not clear
	BOMBAY	E	e	05 33 48		Slight. Beginning lost in microseisms.
		N	e	34 08		
		E	eSS	34 22		
05	Epc: 9½°S, 27½°E. Belgian Congo. - H = 06h 31m 39s G.M.T. (U.S.C.G.S)					
	BOMBAY	N, E	eP	06 40 58	6150	Feeble
		N	e	42 49		
			eS	48 25		
		E	eS	48 41		
	POONA	Z	iP	06 41 00		Feeble
			i	41 15		
	AGRA	Z, N, E	iP	06 41 53		Slight, rarefaction. First movement South and west.
			i?	42 05		
	DEHRA DUN	N, E	eP	06 42 11		Feeble. Phases not clear.
	CHATRA	Z	iP	06 42 42		Slight
	SHILLONG	Z, E	iP	06 43 04		Slight, rarefaction. First movement West.
		N, E	i	52 21		
	COLOMBO	E	L	06 58 44		
			M	07 02 34		Amp. = 0.2 mm
05	SHILLONG	Z	eP	07 29 25		Slight, near
05	BOKARO	N, E	e	04 22 41		Tremor
	DEHRA DUN	N, E	e	04 26 25		Feeble, phases
			i	31 28		not clear
	CHATRA	E	i	04 31 38		Slight, distant
06	SHILLONG	Z	iP	09 55 42		Slight, compression
06	SHILLONG	Z	eP	10 01 01		Slight
06	SHILLONG	Z	iP	10 32 44		Slight, rarefaction
06	DEHRA DUN	N, E	e	13 31 56		Tremor
06	SHILLONG	Z	iP	14 14 57		Slight, rarefaction
06	SHILLONG	Z	e	15 33 00		Slight, near.
07	SHILLONG	Z	i	05 04 59		Slight, near
07	SHILLONG	Z	iP	10 03 23		Slight, rarefaction
07	BOKARO	N, E	iP	12 35 14	1510	Slight. Other
			eS	37 47		phases doubtful
07	Epc: Tsazikistan-Pakistan border. - H = 13h 28m 55s G.M.T (Shillong)					

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
07 Contd.	DEHRA DUN	N, E	eP	13 30 52	870	Slight
		N	iS	32 22		
			SS	32 33		
			SSS	32 44		
			Sg, M	33 12		
	AGRA	N, E	eP	13 31 10	950	Moderate
			i	32 25		
		Z, N, E	iS	32 48		
			i	33 00		
			i	33 11		
			i	33 19		Amp. = 15.5 mm
	CHATRA	Z	iP	13 32 40		Slight
		E	i	37 46		
	SHILLONG	Z	iP	13 33 31		Slight, rarefaction
		E	e	37 00		
			i	39 53		
	POONA	Z	ePPP	13 34 07		Slight
			i	34 51		
			e	35 04		
			e	35 15		
	BOMBAY	E	e	13 35 31		Slight
			e	36 17		
			e	37 07		
	HYDERABAD	E	eS	13 36 49		
			M	38 43		Per. = 9 secs μ = 2
		N	M	39 10		Per. = 9 secs μ = 4
	CALCUTTA	E	eS	13 37 11		Slight, near
			i	38 57		
	MADRAS	E	i	13 39 36		Phases not
			e	40 20		identified.
			e	41 05		
07	Epc: East Central Afghanistan - H = 14h 47m 30s G.M.T. (U.S.C.G.S) 36°N, 72½°E. Afghanistan-Pakistan border - H = 14h 47m 40s G.M.T. (Shillong)					
	DEHRA DUN	N, E	eP	14 49 31	780	Slight
		N	Lq	50 41		
			iS	50 53		
			SSS	51 13		
			Sg, M	51 37		
	AGRA	Z, N, E	eP	14 49 58	1030	Moderate
			i	50 38		
		Z	iP	50 50		
		N, E	eP			
		Z	e	51 07		
		Z, N, E	iS	51 42		
			M	52 38		Per. = 11 secs μ = 27
	POONA	Z	iP	14 51 32		Feeble
		N	e	56 20		
			e	57 22		
			e	58 44		
	CHATRA	Z	iP	14 51 23		Slight
			i	57 37		
	SHILLONG	Z, E	iP	14 52 13	2130	Slight,
		E	PP	52 27		rarefaction
			PPP	52 41		
			iS	55 44		
			Lq	55 50		
			SS	56 08		
			SSS	56 16		
			PcP	56 48		
			M	57 09		
	BOMBAY	E	eS	14 54 40		Slight
			e	55 59		
			e	56 22		
			e	57 28		
			e	58 12		
	CALCUTTA	E	e	14 55 24		Slight
			i	55 51		
			i	58 09		
	TOCKLAI	E	e	14 55 35		Slight, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
07 Contd.	HYDERABAD	N	eS	14 55 43		
			e	57 30		
			M	58 48		Per. ≈ 12 secs
						μ ≈ 4
	MADRAS	E	eS	14 57 08		Moderate.
			e	57 15		
			e	59 27		
			e	59 33		
			e	59 48		
	KODAIKANAL	E	e	15 00 02		Tremor
07	CHATRA	Z	iP	15 45 06	220	Slight
			iS	45 26		
	SHILLONG	Z	e	15 45 35		Feeble, near
07	SHILLONG	Z	i	15 56 54		Slight, near
			i	56 56		
			i	57 11		
			i	57 13		
07	SHILLONG	Z,N,E	Pg	17 55 27	70	Felt. Mag. ≈ 4½ (Shillong)
			Sg	55 43		
	CHATRA	Z	iP	17 56 06	670	Slight
		E	iS	57 16		
	TOCKLAI	E	e	17 56 21		Slight, near
07	DEHRA DUN	N,E	e	19 06 43		Feeble
			i	37 02		
07	SHILLONG	Z	iP	21 55 31		Slight, compression
07	SHILLONG	Z	iP	22 06 43		Slight, compression
08	SHILLONG	Z	eP	00 16 37		Slight, near
08	SHILLONG	Z	iP	10 15 59	390	Slight, compression
			Pe/PP	16 06		
			Pg	16 14		
			S	16 42		
			Se/SS	16 55		
			Sg	17 03		
	CHATRA	Z	iP	10 16 46	1120	Slight
		E	iS	18 41		
08	SHILLONG	Z	iPg	12 13 04		Slight, local
			iSg	13 05		
08	Epc: 24°S, 67°W. Salta Province - H ≈ 12h 40m 46s G.M.T. - h about 200 km (U.S.C.G.S) Felt: Antofagasta, Chile. Mag. ≈ 6¼-6½(Pasadena), 6 (Berkeley)					
	POONA	Z	iPKP	13 00 02		Feeble
			iPP	03 21		
			i	04 49		
	AGRA	Z,N,E	ePKP1	13 00 11		Slight, compression
		Z	PKP2	00 16		
		E	iPP	03 56		
			i	10 16		
			e	10 52		
			e	11 40		
	DEHRA DUN	N,E	ePKP	13 00 13		Slight. Phases not clear
			i	10 23		
	HYDERABAD	E	ePKP	13 00 15		
	CALCUTTA	E	e	13 00 18		Slight, distant
			e	02 15		
			i	11 10		
	BOMBAY	N,E	e	13 00 21		Distant and deep.
		E	e	00 53		
		N,E	ePP	03 43		
			e	04 29		
		N	e	07 33		
		N,E	e	09 47		
		E	e	10 14		
			e	11 35		
			e	13 07		
			e	21 29		
	CHATRA	Z	iPKP	13 00 23		Slight
		E	i	11 06		
08	SHILLONG	Z,E				
08 Contd.	SHILLONG	Z,E	iPKP	13 00 27		Slight, distant. Compression. Other phases not clear.
		E	i	01 13		
			i	03 23		
			i	04 53		
			i	06 54		
			i	10 30		
			i	11 26		
			i	12 35		
	COLOMBO	E	e	13 00 32		
			e	09 57		
			L	14 00 52		
			M	05 32		Amp. ≈ 0.2 mm
	PORT BLAIR	E	e	13 01 33		Slight
			e	11 10		
			i	24 17		
08	SHILLONG	Z	eP	15 18 48		Slight
08	SHILLONG	Z	iP	16 54 41		Slight, compression
08	CHATRA	Z	iP	17 39 47	470	Feeble
			iS	40 38		
09	SHILLONG	Z	e	01 04 07		Slight
			iP	04 10		
09	Epc: 37°N, 27½°E. Dodecanese Islands - H ≈ 02h 40m 49s G.M.T. Slight damage on Rhodes (U.S.C.G.S)					
	BOMBAY	N,E	eP	02 48 53		Feeble
			e	50 40		
	CHATRA	Z	iP	02 49 49		Slight
	SHILLONG	Z	iP	02 50 19		Slight, rarefaction
09	Epc: 31°S, 65½°W. Cordoba-La Rioja Province Argentina - H ≈ 04h 40m 20s. G.M.T. - h about 100 km (U.S.C.G.S). Mag. ≈ 6¾ (Pasadena).					
	POONA	Z	iPKP	04 59 44		Tremor
	AGRA	Z	iPKP1	04 59 53		Slight, compression
		Z,N,E	iPKP2	59 57		
		Z	iP	05 00 41		
		E	iP	09 51		
	DEHRA DUN	N,E	ePKP	05 00 01		Tremor
	CHATRA	Z	iPKP	05 00 06		Feeble
	SHILLONG	Z,E	iPKP	05 00 11		Slight, distant
			i	01 08		Rarefaction. Probably deep. Other phases not clear
			e	01 35		
			i	05 17		
	BOMBAY	N	e	05 04 09		
09	DEHRA DUN	N,E	e	05 43 28		Tremor
09	SHILLONG	Z	Pg	05 47 18	250	Slight
			Sg	47 47		
09	TOCKLAI	E	ePg	06 55 34	120	Slight
			eSg	55 49		
	SHILLONG	Z	eP	06 55 34	160	Slight
			Pg	55 35		
			S/Se/Sg	55 52		
09	TOCKLAI	E	e	09 25 33		Slight, near
			i	26 05		
09	CHATRA	Z	i	09 29 09		Feeble, distant
10	SHILLONG	Z	i	05 28 32		Slight, local
10	SHILLONG	Z	i	05 42 02		Slight, near
10	SHILLONG	Z	iP	18 55 04		Slight, near
			i	55 35		Rarefaction.
10	CHATRA	Z	e	21 59 25		Feeble, distant
10	Epc: 65°N, 152½°W. Central Alaska - H ≈ 22h 54m 40s G.M.T. (U.S.C.G.S) Felt: College Mag. ≈ 6¼-6½(Pasadena).					

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
10	SHILLONG	Z	iP	23 06 35	8570	Slight, compression
		E	PP	09 27		
			iS	16 24		
			SKS	16 45		
			PS	17 03		
			PPS	17 24		
			SS	21 24		
			M	36 26		
	CHATRA	Z	iP	23 06 39	8760	Slight
		E	iS	16 37		
	DEHRA DUN	N, E	eP	23 06 40	8470	Slight. Phases
			iS	16 24		not clear
	CALCUTTA	E	iSKS	23 17 18		Slight, distant
	PORT BLAIR	E	i	23 18 33		Slight
	BOMBAY	N, E	e	23 18 38		Slight
		E	e	25 28		
		N	M	50 29		Per. ≃ 13 secs μ ≃ 2
10	SHILLONG	Z	iP	23 35 14		Slight, compression
10	HYDERABAD	E	M	23 43 48		Per. ≃ 14 secs μ ≃ 5
		N	M	44 18		Per. ≃ 15 secs μ ≃ 7
11	SHILLONG	Z	iP	00 43 33		Slight
11	SHILLONG	Z	i	00 54 28		Slight, near
			i	54 41		
11	SHILLONG	Z	iP	03 44 31		Slight, compression
11	SHILLONG	Z	i	03 52 04		Slight, local
11	Epc: 65°N. 152½°W. Central Alaska - H ≃ 05h 23m 54s G.M.T. Felt: College (U.S.C.G.S.). Mag. ≃ 6½-6¾ (Pasadena)					
	SHILLONG	Z	iPg	05 35 44	8590	Slight, compression
		E	ePg			
			i	37 30		
			PP	39 05		
			iSKS	46 03		
			ScS	46 30		
			PS	46 49		
			PPS	47 06		
			SS	52 06		
			M	06 05 58		
	DEHRA DUN	N, E	eP	05 35 53	8560	Slight. Phases
			i	45 41		not clear
	CHATRA	Z	iP	05 35 57	8780	Slight
		E	iS	45 56		
	BOMBAY	N, E	e	05 47 51		Slight. Phases lost in micro-seisms.
		N	M	06 19 44		Per. ≃ 15 secs μ ≃ 2
11	SHILLONG	Z	iP	05 48 56		Slight, compression
11	HYDERABAD	E	M	06 12 41		Per. ≃ 15 secs μ ≃ 4
		N	M	13 31		Per. ≃ 15 secs μ ≃ 7
11	SHILLONG	Z	iP	07 14 33		Slight, rarefaction
11	CHATRA	Z	i	08 24 29		Feeble, distant
11	SHILLONG	Z	iP	08 46 35		Slight, rarefaction
11	SHILLONG	Z	iP	12 14 17		Slight, rarefaction
11	SHILLONG	Z	iP	18 01 15		Slight, compression
	CHATRA	Z	i	18 01 40		Feeble, near
11	CHATRA	Z	e	19 48 40		Feeble, distant
11	SHILLONG Contd.	Z	i	19 48 55		Slight, near
			i	49 45		
11	SHILLONG	Z	iP	20 42 16		Slight, rarefaction
11	SHILLONG	Z	i	23 08 07		Slight, near
12	SHILLONG	Z	iP	03 52 47		Slight, rarefaction
12	SHILLONG	Z	iP	05 51 23		Slight compression
12	SHILLONG	Z	iP	06 32 39		Slight, compression
12	DEHRA DUN	N, E	e	13 02 32		Feeble
			e	03 50		
			e	05 07		
	CHATRA	Z	i	13 04 02		Feeble, distant
12	CHATRA	Z	iP	13 22 42	2600	Slight
		E	iS	26 52		
12	BOMBAY	E	e	13 37 25		Surface waves
		N, E	e	40 00		
12	CHATRA	Z	i	16 58 24		Feeble, dista
12	CHATRA	Z	i	18 41 24		Feeble, distant
12	DEHRA DUN	N, E	e	21 31 56		Tremor
	CHATRA	Z	i	21 32 06		Feeble, distant
13	SHILLONG	Z	iP	10 14 58		Slight, rarefaction
13	SHILLONG	Z	iP	17 30 46		Slight, compression
13	SHILLONG	Z	Pg	19 07 02		Slight, local
			Sg	07 04		
13	SHILLONG	Z	iP	22 23 42		Slight, rarefaction
14	SHILLONG	Z	eP	04 09 05		Slight
14	BOMBAY	N, E	e	04 20 46		Feeble
14	CHATRA	Z	iP	05 41 07	990	Slight
		Z, E	iS	42 49		
14	CHATRA	Z	iPg	07 29 33	100	Feeble
			iSg	29 47		
14	SHILLONG	Z	Pg	08 38 45	60	Slight
		E	Pg	38 47		
			Sg	38 53		
14	SHILLONG	Z	iPg	09 23 44		Slight, near
			i	23 59		
14	TOCKLAI	E	eP	09 39 51		Slight, near
	SHILLONG	Z	P	09 40 18	290	Slight
			Pe	40 20		
			P?	40 24		
			Pg	40 28		
			S	40 51		
			Se	40 54		
			Sg	40 59		
14	DEHRA DUN	N, E	e	11 37 20		Tremor
14	Epc: 12½°N. 95°E. Andaman Islands region - H ≃ 12h 35m 42s G.M.T. (U.S.C.G.S.)					
	PORT BLAIR	N	iPg	12 36 22		Slight. Other
			e	36 23		phases not
			i	36 30		clear
	MADRAS	E	eP	12 39 10		Phases could
			e	39 16		not be
			e	39 23		identified.
			e	39 57		
	SHILLONG	Z	eP	12 39 00		Slight, distant. Other phases not clear.

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
14 Contd.	CHATRA	Z	iP	12 39 42		Slight
		E	i	44 07		
	AGRA	N, E	eP	12 40 48	2390	Slight
			iS	44 43		
	BOMBAY	E	eP	12 40 58	2430	Slight
		N, E	eS	44 55		
		E	Lq	45 10		
		N, E	SS	45 28		
	DEHRA DUN	N, E	e	12 41 03		Feeble
			i	45 27		
	COLOMBO	E	L	12 43 23		
			M	45 40		Amp. ±0.1 mm
14	SHILLONG	Z	Pg	19 13 44		Slight, local
			Sg	13 46		
14	SHILLONG	Z	e	20 11 36		Slight, near
14	SHILLONG	Z	eP	21 34 40		Slight
14	SHILLONG	Z	e	22 33 27		Slight, near
14	SHILLONG	Z	e	23 10 06		Tremor
14	SHILLONG	Z	i	23 46 32		Slight, near
			i	47 20		
15	SHILLONG	Z	iP	04 36 23		Slight, compression
	CHATRA	Z	i	04 36 34		Feeble, near
15	SHILLONG	Z	e	06 48 06		Slight
15	SHILLONG	Z	iP	07 14 07		Slight, compression
15	PORT BLAIR	E	iP	07 45 43		Slight
15	SHILLONG	Z	Pg	07 28 44		Slight, local
			Sg	28 46		
15	SHILLONG	Z	iP	09 55 44		Slight, compression
15	SHILLONG	Z	e	13 58 37		Slight, near
15	TOCKLAI	E	eP	15 30 38		Slight, near
	SHILLONG	Z	eP	15 31 00		Slight, near
15	SHILLONG	Z	iP	15 58 19		Slight, rarefaction
15	PORT BLAIR	E	iP	17 30 06		Slight
15	SHILLONG	Z	eP	17 32 33		Slight
15	PORT BLAIR	E	iP	18 21 43		Slight
15	SHILLONG	Z	eP	18 24 01		Slight
15	CHATRA	Z	iPg	18 49 53	30	Feeble
			iSg	49 57		
15	SHILLONG	Z	iP	18 52 23		Slight, compression
	CHATRA	Z	i	18 52 50		Feeble, distant
	DEHRA DUN	N, E	e	18 55 55		Feeble.
15	CHATRA	Z	iPg	19 20 35	40	Feeble.
15	CHATRA	Z	i	19 20 48		Feeble, near
15	CHATRA	Z	iPg	20 16 02	70	Feeble
			iSg	16 11		
15	CHATRA	Z	iPg	20 20 06	110	Slight
			iSg	20 19		
16	SHILLONG	Z	iP	01 40 59		Slight, rarefaction
16	SHILLONG	Z	iP	02 15 39		Slight, rarefaction
16	SHILLONG	Z	eP	05 07 44		Slight, near
16	SHILLONG	Z	eP	08 06 07		Slight, compression
16	SHILLONG	Z	iP	09 26 55		Slight, compression
16	PORT BLAIR	N	iP	10 25 50		Slight
15	SHILLONG	Z	P	13 24 13	210	Slight, near
			Pe	24 15		
			Pg	24 17		
			S	24 38		
			Sg	24 42		
	CHATRA	Z	i	13 24 19		Slight, distant
16	SHILLONG	Z	P	15 54 46		Slight, near
			i	55 21		
16	SHILLONG	Z	iP	16 23 31		Slight, compression
15	DEHRA DUN	N, E	e	18 20 24		Tremor
	CHATRA	Z	e	18 21 00		Feeble, distant
	SHILLONG	Z	iP	18 21 22		Slight, compression
15	SHILLONG	Z	iP	18 41 25		Slight, compression
16	SHILLONG	Z	iP	22 44 28		Slight, rarefaction
16	SHILLONG	Z	iP	23 29 14		Slight, compression
17	Epc: 3°S, 147½°E. Bismarck Sea					
	H = 07h 02m 25s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	07 12 40		Slight, compression
	CHATRA	Z	iP	07 13 10		Slight
	DEHRA DUN	N, E	e	07 14 28		Feeble
			iS	23 37		
	BOMBAY	E	e(P)	07 14 35		Feeble.
			PP	17 15		Strong
		N, E	eS	24 05		microseisms
		E	PS	24 48		
			PPS	25 03		
			SS	29 01		
	AGRA	N, E	iS	07 23 25		Feeble
		E	i	23 32		
17	SHILLONG	Z	Pg	07 30 35	70	Slight
			Sg	30 44		
17	SHILLONG	Z	i	08 22 38		Slight, near
			i	22 55		
17	SHILLONG	Z	iP	08 30 11		Slight, compression
	CHATRA	Z	i	08 30 38		Feeble, distant
17	TOCKLAI	E	eP	12 11 27		Slight, near
			e	11 44		
	SHILLONG	Z	i	12 11 32		Slight, near
			i	11 33		
			i	11 37		
			i	11 58		
			i	12 06		
17	SHILLONG	Z	i	12 37 09		Slight, near
			i	37 22		
17	Epc: 51°N, 179°W. Andreanof Island. Aleutian Islands.					
	H = 15h 38m 20s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	15 49 34		Slight, compression
	CHATRA	Z	iP	15 49 46		Feeble
	DEHRA DUN	N, E	eP	15 50 01		Tremor.

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
17	CHATRA	Z	i	16 36 07		Feeble, distant
17	Epc: 12¼°N. 95°E. Andaman Island Region - H ≃ 16h 42m 40s G.M.T. (Shillong)					
	PORT BLAIR	E	iP/Pg	16 43 05	140	Slight
			PP	43 10		
			PPP	43 18		
			S/Sg	43 25		
			SS	43 39		
			SSS	44 50		
	SHILLONG	Z	eP	16 45 41		Slight, near
	BOMBAY	E	eP	16 47 37	2520	Slight, phases lost in microseisms.
		N, E	eS	51 43		
	DEHRA DUN	N, E	eP	16 47 50	2720	Feeble
			iS	52 10		
	AGRA	Z, N, E	iS	16 51 25		Feeble
		N, E	i	51 32		
		Z	i	51 36		
	COLOMBO	E	L	16 51 48		
			M	54 45		Amp. ≃ 0.4 mm
18	SHILLONG	Z	Pg	00 52 59	60	Slight
			Sg	53 05		
18	SHILLONG	Z	eP	01 30 00		Feeble
18	SHILLONG	Z	Pg	02 00 30	180	Slight
			Sg	00 51		
	CHATRA	Z	iP	02 01 11	510	Feeble
			iS	02 05		
18	Epc: 13°S. 167°E. New Hebrides Islands - H ≃ 02h 32m 52s G.M.T. (U.S.C.G.S) Mag. ≃ 6¾ - Mag. ≃ 6¼ - 6½ (Pasadena)					
	SHILLONG	Z	iP	02 45 18		Slight
	COLOMBO	E	P	02 45 51		
			S	56 53		
			L	03 23 21		
			M	26 56		Amp. ≃ 0.5 mm
	HYDERABAD	E	eP	02 46 03	10360	'P' uncertain due to microseism.
			PP	49 18		
			PPP	51 09		
			iSKS	56 36		
			iS	57 09		
			PS	57 40		
			Lr	03 11 57		
			M	31 02		Per. ≃ 15 secs μ ≃ 4
	AGRA	Z	iP	02 46 17		Slight, rarefaction
			iPP	50 06		
	KODAIKANAL	E	e	02 55 34		Tremor
	BOMBAY	N, E	eSKS	02 57 08		Slight, phases not identifiable due to pronounced microseismic activity.
		E	eS	57 58		
			e	03 08 14		
		N	M	40 26		Per. ≃ 17 secs μ ≃ 3
18	SHILLONG	Z	iP	03 43 43		Slight, compression
18	SHILLONG	Z	eP	04 53 33		Slight
18	Epc: 13°S. 167°E. New Hebrides After shock - H ≃ 12h 21m 18s G.M.T. (U.S.C.G.S) Mag. ≃ 6 - 6¼ (Pasadena)					
	SHILLONG	Z	iP	12 33 42		Slight, compression
	CHATRA	Z	eP	12 34 05		Feeble
	COLOMBO	E	P	12 34 19		
			(S)	44 31		
			L	13 12 36		
			M	17 41		Amp. ≃ 0.4 mm
	AGRA	Z	iP	12 34 44		Slight, rarefaction
			i?	38 30		
18	DEHRADUN Contd.	N, E	e	12 39 21		Feeble
			i	45 18		
18	HYDERABAD	F	e	12 45 01		
			M	13 09 40		Per. ≃ 15 secs μ ≃ 4
	AGRA	E	i	12 45 12		
		N	i	45 50		
	BOMBAY	E	e	12 45 32		Slight, phases not identifiable due to pronounced microseismic activity Per. 47 secs μ ≃ 2
		N, E	e	46 20		
		F	e	53 25		
		N	M	13 29 03		
18	SHILLONG	Z	e	17 20 38		Slight, local
			e	21 03		
18	KODAIKANAL	E	e	18 45 04		Tremor
18	SHILLONG	Z	i	20 06 52		Slight, near
			i	07 03		
18	TOCKLAI	E	eP	20 54 48		Slight, distant
	SHILLONG	Z	iP	20 55 15		Slight rarefaction
18	SHILLONG	Z	iP	20 56 12		Slight, compression
18	TOCKLAI	E	eP	21 26 00		Slight, near
	SHILLONG	Z	iP	21 26 14		Slight, near
			i	25 18		
			i	25 45		
			i	25 48		
19	SHILLONG	Z	iP	00 16 26		Slight rarefaction
19	SHILLONG	Z	i	01 53 13		Slight, near
			i	53 45		
19	CHATRA	Z	i	02 23 01		Feeble, distant
19	BOMBAY	N, E	e	03 01 30		Feeble
19	SHILLONG	Z, N, E	ePg	06 34 25		Near. Mag. ≃ 3-3½. locally felt.
			eSg	34 27		
19	SHILLONG	Z	e	09 01 30		Slight
19	SHILLONG	Z	iP	13 03 35		Slight, distant Compression
19	SHILLONG	Z	iP	13 50 27		Slight, distant Compression
19	SHILLONG	Z	iP	16 18 23		Slight, distant Rarefaction
	CHATRA	Z	i	16 18 57		Feeble, near
19	SHILLONG	Z	eP	17 52 42		Slight, near
19	CHATRA	Z	eP	17 53 31	1330	Feeble
			iS	55 48		
	SHILLONG	Z	e	17 53 34		Slight, near
	TOCKLAI	E	e	17 56 15		Slight, near
19	SHILLONG	Z	i	21 46 28		Tremor
20	SHILLONG	Z	eP	03 46 23	110	Slight
			Sg	46 34		
20	SHILLONG	Z	eP	04 06 13		Slight, very distant
20	CHATRA	Z	i	05 38 43		Feeble, distant
20	SHILLONG	Z	eP	10 25 06		Slight, very distant.
20	SHILLONG	Z	iP	14 27 51		Slight, distant Compression
20	SHILLONG	Z	eP	19 16 13		Slight, distant

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
20	SHILLONG	Z	eP	21	53	26		Feeble
20	SHILLONG	Z	eP	22	49	31		Slight, distant
20	SHILLONG	Z	iP	22	51	13		Slight, distant Compression
20	BOMBAY	N, E	e	23	07	46		Slight, near
			e		08	04		
21	SHILLONG	Z	eP	02	54	17	150	Slight
			Sg		54	37		
21	SHILLONG	Z	eP	04	51	01		Slight, distant
21	SHILLONG	Z	iP	05	52	30		Slight, near Compression
			i		52	56		
			i		53	00		
21	DEHRA DUN	N, E	e	06	33	59		Tremor
21	CHATRA	Z	iP	06	55	29	100	Feeble
			iS		55	40		
21	SHILLONG	Z	eP	07	13	49		Slight, distant
21	SHILLONG	Z	eP	10	55	34		Slight, distant
	TOCKLAI	E	e	10	56	10		Slight, distant
			e	11	00	40		
21	CHATRA	Z	e	15	54	03		Feeble, distant
21	SHILLONG	Z	eP	17	38	05		Slight, distant
			i		38	37		
21	TOCKLAI	E	e	23	03	48		Slight, distant
	SHILLONG	Z	eP	23	04	24		Slight, distant
22	SHILLONG	Z	eP	05	40	38		Slight, distant
	CHATRA	Z	i	05	41	05		Feeble, distant
22	CHATRA	Z	iP	07	18	17	890	Slight
		Z, E	iS		19	49		
22	SHILLONG	Z	eP	07	52	40		Slight, distant
22	SHILLONG	Z	iP	08	18	35		Slight, distant Rarefaction
	TOCKLAI	E	e	08	19	03		
22	DEHRA DUN	N, E	e	08	21	09		Feeble
			i		22	20		
22	SHILLONG	Z	eP	11	44	20		Slight, distant
22	SHILLONG	Z	iP	12	08	25		Slight, local
	CHATRA	Z	iP	12	09	43	580	Feeble
			iS		10	44		
22	Epc: 3°S, 146°E. Bismarck Sea - H = 15h 08m 00s (U.S.C.G.S)							
	SHILLONG	Z	eP	15	18	11		Slight
	CHATRA	Z	iP	15	18	43		Feeble
	DEHRA DUN	N, E	e	15	20	35		Feeble
			i		29	32		
22	SHILLONG	Z	iP	18	30	22		Slight, distant Rarefaction
22	SHILLONG	Z	eP	22	21	43		Slight, distant
23	SHILLONG	Z	eP	07	06	35		Slight, distant
23	SHILLONG	Z	iP	10	31	11		Slight, distant Rarefaction
23	SHILLONG	Z	eP	13	27	56		Slight, near
23	SHILLONG	Z	eP	19	37	43		Slight, distant
23	SHILLONG	Z	iP	20	59	01		Slight, distant Rarefaction
23	SHILLONG	Z	eP	23	40	00		Slight, local.

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
24	Epc: 6°S, 146°E. New Guinea - H = 16h 33m 01s G.M.T. (U.S.C.G.S).							
	SHILLONG	Z	eP	16	43	21		Slight
	CHATRA	Z	iP	16	43	58		Feeble, distant
24	SHILLONG	Z	iP	18	39	19		Slight, near Compression
	CHATRA	Z	iP	18	40	33	670	Feeble
			iS		41	43		
24	SHILLONG	Z	iP	20	07	51		Slight
	TOCKLAI	E	eP	20	07	56		Slight, near
			i		08	20		
	CHATRA	Z	iP	20	08	58	1000	Slight
		Z, E	iS		10	41		
24	DEHRA DUN	N, E	e	20	13	28		Tremor
24/25	BOMBAY	E	e	23	59	41		Slight and
			e	00	00	35		deep
			e		00	41		
			e		04	37		
		N, E	e		04	42		
		N	e		08	11		
		E	e		08	32		
	DEHRA DUN	N, E	e	00	00	51		Feeble
			i		06	41		
25	Epc: 51°N, 177°W. Andreanof Islands. Aleutian Islands. - H = 00h 35m 23s G.M.T. (U.S.C.G.S)							
	SHILLONG	Z	eP	00	46	35		Slight
	AGRA	Z	i?	00	47	25		Compression
	HYDRABAD	E	M	01	25	00		Per. ≈ 15 secs
								μ ≈ 4
		N	M		25	31		Per. ≈ 15 secs
								μ ≈ 4
25	Epc: 5½°N, 177°W. Andreanof Islands. Aleutian Islands. - H = 14h 54m 30s GMT(U.S.C.G.S)							
	SHILLONG	Z	iP	15	05	51		Slight, compression
	CHATRA	E	i	15	06	07		Slight, distant
	DEHRA DUN	N, E	eP	15	06	17		Feeble
			i(S)		15	14		
	AGRA	Z	iP	15	06	31		Rarefaction
	BOMBAY	N	e	15	42	53		Surface waves
		E	e		48	38		
25	SHILLONG	Z	eP	17	47	30		Slight distant
25	Epc: 3°S, 77°W. Ecuador-Peru Border Region - h ≈ 100 kmCa. - H = 21h 11m 45s GMT(U.S.C.G.S) Felt: Ecuador Mag. 6½(Pasadena), 6¼-6½(Berkeley)							
	SHILLONG	Z	ePKP	21	30	36		Slight
	DEHRA DUN	N, E	e	21	31	18		Feeble
	AGRA	Z, N, E	ePKP	21	31	24		Slight
			i?		31	29		
			M		--	--		Per. ≈ 19 secs
								Amp. ≈ 60 mm
	CHATRA	Z	iPKP	21	31	32		Slight
		E	i		37	30		
	BOMBAY	N, E	ePKP 1	21	31	32	16250	Slight
		E	e		47	02		
		N, E	eSS		53	52		
		N	M	22	45	01		Per. ≈ 18 secs
								μ ≈ 7
		E	M		45	10		Per. ≈ 17 secs
								μ ≈ 2
	MADRAS	E	e	21	31	40		Phases could not
			e		32	13		be identified
			e		36	21		
25	COLOMBO	E	PKP	21	36	01		
			L	22	36	51		
			M1		40	51		Amp. ≈ 0.6 mm
			M2		46	21		Amp. ≈ 0.9 mm

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				May 1958		
25 Contd.	HYDERABAD	N	M	22 37 55		Per. ≈ 18 secs μ ≈ 10
		E	M	38 08		Per. ≈ 21 secs μ ≈ 13
25	DEHRA DUN	N, E	e	09 09 20		Tremor
	CHATRA	Z	i	09 09 33		Feeble, distant
26	CHATRA	Z	i	11 08 24		Feeble, distant
26	SHILLONG	Z	iPg	20 54 44		Slight, near. Rarefaction
	CHATRA	Z	iP	20 55 38	550	Feeble
			iS	56 35		
27	CHATRA	Z	iP	18 02 26	450	Feeble
			iS	03 15		
27	DEHRA DUN	N, E	e	18 35 26		Tremor
	CHATRA	Z	i	18 36 37		Feeble, near
28	DEHRA DUN	N, E	e	00 14 58		Feeble
			ee	23 27		
28	PORT BLAIR	N	iP	00 18 33	320	Slight
			Pg	18 41		
			Lq	19 03		
			iS	19 09		
			Sg	19 19		
28	TOCKLAI	E	eP	13 26 25		Slight, distant
28	BOMBAY	E	e	13 39 17		Feeble
29	Epc: 38½°N, 74°E. Tadzik S.S.R. - H ≈ 03h 15m 50s G.M.T. (Shillong).					
	DEHRA DUN	N, E	eP	03 18 05	860	Slight
		N	iS	19 34		
			SS/Lr	19 46		
			SSS	19 57		
			Sg, M	20 24		
	AGRA	Z, N, E	eP	03 18 39	1180	Slight
			iS	20 39		
	CHATRA	Z	iP	03 19 43	1960	Slight
		Z, E	iS	22 58		
	SHILLONG	Z, E	iP	03 20 17	2260	Slight, compression
		E	PP	20 42		
			PPP	20 56		First movement
			e	23 53		East. Probably
			S	24 01		deep.
	BOMBAY	N, E	eS	03 23 49		Very slight
		E	e	25 07		and near
			e	25 19		
	VIZIANAGRAM	N	eS	03 24 53		Slight, distant
	MADRAS	E	eS	03 26 10		Phases could
			e	28 18		not be
			e	28 40		identified.
29	SHILLONG	Z, E	iP	05 28 50		Slight, rarefaction. First movement East.
29	SHILLONG	Z	i	05 30 32		Slight
30	DEHRA DUN	N, E	eP	01 12 19	890	Slight
		N	iS	13 51		
			SS	14 01		
			SSS	14 11		
			Sg, M	14 38		
	AGRA	Z, N, E	iP	01 12 46	1120	Slight, rarefaction. First movement North and West.
			eS	14 42		
			SS	14 58		
	BOMBAY	N, E	e	01 17 33		Minor tremor.
			e	18 33		
30	SHILLONG	Z	iP	06 01 34		Slight, compression
30	SHILLONG	Z	e	06 10 16		Slight
30	SHILLONG	Z	iP	08 34 28		Slight, rarefaction
30	SHILLONG	Z	e	14 58 02		Tremor
30	CHATRA	Z	iPg	15 16 13	120	Feeble
			iSg	16 29		
30	Epc: 25°N, 122°E. Near North coast of Formosa. - h about 100 km. - H ≈ 15h 11m 40s GMT (U.S.C.G.S) Felt: Northern Formosa.					
	TOCKLAI	E	eP	16 17 05		Slight
	SHILLONG	Z, E	iP	16 17 18	2910	Slight, rarefaction.
		E	PP	17 57		
			PPP	18 15		First movement
			iS	21 49		East.
			Lq	22 27		
			SS	22 51		
			SSS	23 09		
			Lr	23 35		
			M	25 01		
	CHATRA	Z	iP	16 17 56	3370	Slight
		E	iS	22 56		
	DEHRA DUN	N, E	eP	16 19 06	4160	Slight
			iS	24 58		
30	Epc: 52½°N, 169°W. Fox Islands, Aleutian Islands - H ≈ 18h 04m 50s G.M.T. (U.S.C.G.S) Mag. ≈ 6 - 6¼ (Pasadena).					
	SHILLONG	Z, E	eP	18 16 36	8450	Moderate
		E	PcP	16 56		
			PP	19 29		
			iS	25 16		
			PS	26 48		
			PPS	27 08		
			SS	31 03		
			SSS	34 28		
			M	46 04		
	TOCKLAI	E	e	18 16 39		Slight
	CHATRA	Z	iP	18 16 44	8910	Slight
		E	iS	26 49		
	DEHRA DUN	N, E	eP	18 16 56		Slight
			i(S)	26 58		
	AGRA	Z, N, E	eP	18 17 09	9110	Slight
			iPcP	17 13		
		N, E	S	27 23		
		Z, N, E	e	27 29		Per. ≈ 18 secs
			M	-- --		Amp. ≈ 14.0 mm
	HYDERABAD	N	eP	18 17 52	9320	
			i	28 16		
			S	28 31		
			PPS	29 34		
			Lr	45 40		
			M	51 19		Per. ≈ 22 secs μ ≈ 16
		E	M	51 54		Per. ≈ 18 secs μ ≈ 8
	BOMBAY	N, E	eP	18 18 00	10165	Slight
		N	PP	21 39		
			SKS1	29 33		
			SKKS1	28 48		
		N, E	eS	28 58		
		E	i	29 10		
		N	PS	30 17		
			SS	35 37		
			M	19 01 05		Per. ≈ 21 secs μ ≈ 5
	COLOMBO	E	e	18 39 08		
			L	19 03 55		
			M	12 00		Amp. ≈ 0.6 mm
30	SHILLONG	Z	iP	19 20 54		Slight, compression
30	SHILLONG	Z	iP	19 41 20		Slight, compression
30	SHILLONG	Z	iP	19 57 24		Slight, rarefaction
30	SHILLONG	Z	iP	23 16 38		Slight, compression
31	CHATRA	Z	i	03 57 32		Feeble, distant

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
								May 1958
31	SHILLONG	Z	iP	08	12	13		Slight, distant. Compression.
31	SHILLONG	Z	iP	09	39	11		Slight, distant compression
31	Epc: 15°S. 169°E. New Hebrides Islands							
	- H = 19h 32m 30s G.M.T. (U.S.C.G.S)							
	Mag. = 7¼ (Pasadena). 7¼-7¼ (Berkeley). 6½-6¾ (Shillong)							
	PORT BLAIR	E	iP	19	44	43	8800	Great
			PcP		44	51		
			i		45	38		
			iS		54	43		
			i		56	24		
			PPS		55	39		
			SS	20	00	00		
			SSS		03	30		
			M		17	00		Per. = 22.0 secs μ = 120
	TOCKLAI	E	eP	19	45	02		Slight
	SHILLONG	Z	iP	19	45	09	9890	Moderate,
		E	iP		45	11		compression.
		N	iP		45	14		First movement
		E	PcP		45	14		North and West.
			pP		45	41		h = 100-125 kms
			sP		45	50		
		N	sP		45	51		
			iSKS		55	29		
		E	iSKS		55	31		
		N	iS		55	44		
		E	iS		55	45		
			i		56	17		
		N	sS		56	29		
		E	sS		56	31		
	CALCUTTA	E	iP	19	45	27	9500	Moderate. First
		N	eP		45	30		movement East.
		E	PP?		48	21		
		N,E	iS		55	58		
		E	SS?	20	01	03		
	CHATRA	Z	iP	19	45	31	9610	Slight
		E	iSKS		56	07		
	COLOMBO	E	P	19	45	43		
			SKS		56	09		
			L	20	16	01		
			M1		18	56		
			M2		27	01		
	MADRAS	E	P	19	45	46		
	KODAIKANAL	E	iP	19	45	56	10500	Moderate.
			PP		49	14		First movement
			PPP		51	14		West.
			iSKS		56	29		
			PS		57	41		
			PPS		58	11		
			SS	20	02	25		
			SSS		06	02		
			Lq		10	17		
			Lr		14	26		
			M		21	44		Per. = 28 secs μ = 45.5
31	AGRA	Z,N,E	ePKP	19	46	08		Great
	Contd.		PPP		50	08		
			SKS		56	42		
	HYDERABAD	E	e	19	46	09	9280	
			PP		49	12		
			e		50	58		
			iSKS		56	31		
			e		57	21		
			S		57	48		
			e	20	01	54		
			e		07	42		
			Lr		13	02		
			M		19	36		Per. = 22 secs μ = 36
		N	M		20	39		Per. = 21 secs μ = 44
	VIZIANAGRAM	N	e	19	46	15		Slight, distant
	DEHRA DUN	N,E	eP	19	46	20	10780	Moderate
		N	PPP		51	53		
			iSKS		55	46		
			S		57	40		
			e	20	02	58		
			e		05	28		
			Lq		09	09		
			Lr		13	35		
			M		19	58		
	BOMBAY	E	eP	19	46	34	11110	Moderate
			PP		50	20		
			PPP		52	44		
			eSKS		56	57		
			e		57	42		
			e		58	31		
			iPS		59	41		
			e	20	02	49		
			e		05	30		
			Lq		09	05		
			Lr		14	51		
			M		34	47		Per. = 18 secs μ = 7
		N	M		40	13		Per. = 18 secs μ = 35
31	SHILLONG	Z	e	20	11	05		Slight, distant
31	SHILLONG	Z	iP	23	28	40		Slight, distant Compression
31	SHILLONG	Z	e	23	30	28		Slight, distant
31	SHILLONG	Z	iP	23	47	29		Slight, distant Compression.

Earthquake Reports

(Non Instrumental Reports)

The following table contains a list of earthquakes that were reported by Voluntary Observers from various stations during the month of May 1958.

Place at which felt	Date	Time at which felt G.M.T. h.	m.	Duration in secs.	Intensity in R.F. scale	No. of shocks	Remarks
Shillong	07	17	55	about 20	V	One	
Shillong	19	06	35	2	V	One	
Shillong	22	12	08	about 30	IV	One	
Shillong	24	20	07	about 40	IV	One	
Shillong	27	10	02	3	IV	One	

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MICROSEISMIC TABULATION

DATE	HOUR G.M.T	K	MEAN Period in secs	MEAN ampli-tude in mm
tion: MADRAS Component E.W.				
	00	0,0	-	-
	03	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
	00	0,0	-	-
	03	3	2.4	0.2
	06	3	2.3	0.2
	12	-	-	-
	18	3	2.1	0.2
03	00	3	2.0	0.1
	03	1	2.1	0.3
	06	1	2.2	0.3
	12	3	2.3	0.3
	18	3	2.7	0.3
04	00	3	2.8	0.3
	03	3	3.4	0.4
	06	3	3.3	0.4
	12	-	-	-
	18	3	3.5	0.4
05	00	3	3.7	0.4
	01	3	3.7	0.5
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	3	3.5	0.4
	06	3	3.9	0.5
	07	3	3.8	0.4
	08	3	3.6	0.3
	09	3	3.2	0.3
	10	3	3.4	0.3
	11	3	3.3	0.3
	12	3	3.8	0.4
	13	3	4.0	0.4
	14	3	3.5	0.4
	15	3	3.4	0.3
	16	3	3.5	0.4
	17	3	3.2	0.4
	18	3	3.3	0.5
	19	3	2.8	0.4
	20	1	1.2	0.2
	21	1	1.1	0.3
	22	1	1.2	0.3
	23	1	1.4	0.4
06	00	11	1.5	0.4
	03	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
07	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	1	2.9	0.5
	18	1	3.4	0.5
	21	1	3.5	0.5
08	00	1	3.4	0.6
	03	1	3.3	0.6
	06	1	3.1	0.5
	12	1	2.8	0.4
	18	1	2.8	0.8
09	00	1	2.6	0.8
	03	1	2.7	0.7
	06	1	2.6	0.8
	12	1	2.7	0.8
	18	1	2.9	0.8
10	00	3	2.7	0.7
	03	3	2.7	0.7
	06	3	2.8	0.8
	12	3	2.8	0.8
	18	3	2.9	0.7
11	00	3	2.7	0.6
	03	3	2.7	0.5
	06	3	2.7	0.6
	12	3	3.1	0.5
	18	3	2.9	0.5
12	00	3	2.9	0.5
	03	3	2.9	0.6
	06	3	3.0	0.6
	12	3	2.9	0.4
	18	3	2.9	0.4

DATE	HOUR G.M.T	K	MEAN Period in secs	MEAN ampli-tude in mm
13	00	3	3.0	0.4
	03	3	3.0	0.5
	06	3	3.0	0.5
	12	3	2.9	0.4
	18	3	2.8	0.4
14	00	3	3.0	0.4
	03	3	2.9	0.5
	06	3	2.9	0.5
	12	3	2.8	0.4
	18	3	2.7	0.4
15	00	3	2.9	0.4
	03	3	2.5	0.3
	06	3	2.8	0.4
	12	3	2.6	0.3
	18	3	2.8	0.4
27	00	3	2.7	0.5
	03	3	2.5	0.4
	06	3	2.7	0.5
	12	3	2.5	0.4
	18	3	2.6	0.4
28	00	3	2.5	0.4
	03	3	2.7	0.3
	06	3	2.7	0.3
	12	3	2.6	0.3
	18	3	2.6	0.3
29	00	3	2.5	0.3
	03	3	2.7	0.4
	06	3	2.7	0.4
	12	3	2.8	0.4
	18	3	2.8	0.4
30	00	3	3.0	0.5
	03	3	2.7	0.4
	06	3	2.9	0.3
	12	3	2.8	0.4
	18	3	2.7	0.4
31	00	-	-	-
	03	3	2.4	0.3
	06	3	2.5	0.3
	12	3	2.4	0.3
	18	3	2.5	0.3

Station: BOMBAY. Compt. E.W.

DATE	HOUR G.M.T	K	MEAN Period in secs	MEAN ampli-tude in mm
01	00	(2)	2.6	3.5
	06	(2)	2.5	0.4
	12	(2)	2.4	0.5
	18	(2)	2.7	0.3
02	00	2	2.5	0.3
	06	3	4.1	0.3
			2.5	0.4
	12	3	2.5	0.3
			1.5	0.1
	18	3	2.4	0.7
			1.7	0.3
03	00	3	2.7	0.7
			1.5	0.1
	06	2	2.8	0.7
	12	2	2.8	0.7
	18	3	2.8	0.5
			1.5	0.2
04	00	3	2.5	0.5
			1.5	0.3
	06	3	2.7	0.9
			1.5	0.1
	12	3	2.9	0.7
			1.5	0.1
	18	3	2.9	0.7
			1.5	0.2
05	00	(3)	3.0	0.5
			1.7	0.2
	01	2	3.4	0.5
	02	2	3.3	0.5
	03	2	3.4	0.6
	04	2	3.7	0.6
	05	2	3.2	0.7
	06	2	3.5	0.6
	07	-	-	-
	08	2	3.8	0.8

DATE	HOUR G.M.T	K	MEAN Period in secs	MEAN ampli-tude in mm
05	09	2	4.0	0.8
Contd.	10	2	3.1	0.8
	11	2	3.9	0.9
	12	2	3.5	0.6
	13	2	3.8	0.6
	14	2	3.6	0.7
	15	2	4.0	0.6
	15	3	3.5	0.6
			1.6	0.2
	17	3	4.0	0.7
			1.7	0.3
	18	3	4.0	0.7
			1.8	0.2
	19	3	3.6	0.8
			1.5	0.4
	20	3	3.5	0.7
			1.7	0.7
	21	3	3.3	0.7
			1.7	0.7
	22	3	4.4	0.7
			1.8	0.5
	23	3	3.9	0.6
			1.8	0.5
06	00	3	4.0	0.6
			1.8	0.5
	06	3	4.1	0.6
			1.9	0.5
	12	3	3.7	0.5
			1.6	0.4
	18	3	3.2	0.6
			1.7	0.5
07	00	3	3.6	0.5
			2.0	0.3
	06	3	4.3	0.6
			1.7	0.2
	12	3	4.0	0.5
			2.0	0.3
	18	3	3.5	0.5
			3.9	0.5
08	00	3	4.2	0.5
			2.1	0.3
	06	3	4.1	0.5
			2.2	0.5
	12	3	3.9	0.5
			1.8	0.3
	18	2	2.0	0.4
09	00	2	2.4	0.5
	06	-	-	-
	12	2	2.7	0.7
	18	2	2.6	0.7
10	00	2	2.7	0.9
	06	2	2.8	0.8
	12	2	2.8	0.9
	18	2	2.9	1.0
11	00	-	-	-
	06	-	-	-
	12	1	3.3	1.0
	18	1	3.2	0.9
12	00	2	3.4	0.8
	06	2	3.2	0.8
	12	2	3.3	0.8
	18	2	3.6	0.7
13	00	2	3.4	0.7
	06	2	3.8	0.7
	12	2	3.4	0.7
	18	2	3.9	0.7
14	00	3	3.6	0.7
			1.6	0.3
	06	2	2.7	0.9
	12	2	3.0	0.7
	18	2	3.2	0.8
15	00	2	2.9	0.8
	06	2	3.0	0.8
	12	2	3.1	0.7
	18	2	3.7	0.7
16	00	2	3.5	0.9
	06	2	3.3	0.9
	12	2	3.6	0.9
	18	2	3.6	0.7

DATE	HOUR G.M.T	K	MEAN Period in secs	MEAN ampli-tude in mm
17	00	-	-	-
	03	-	-	-
	06	-	-	-
	12	1	4.0	1.1
	15	1	4.2	1.1
	18	1	4.4	1.4
	21	1	4.0	1.3
18	00	(1)	4.2	1.4
	01	1	4.5	1.5
	02	1	4.2	1.4
	03	-	-	-
	04	-	-	-
	05	1	4.5	1.7
	06	1	4.5	1.9
	07	1	4.4	1.7
	08	1	4.8	1.7
	09	1	4.4	1.9
	10	1	4.5	2.1
	12	1	4.6	2.0
	13	-	-	-
	14	-	-	-
	15	1	4.4	1.5
	16	1	4.2	1.5
	17	1	4.2	1.3
	18	1	4.5	1.4
	19	1	4.4	1.1
	20	1	4.3	1.3
	21	1	4.3	1.3
	22	1	4.5	1.1
	23	1	3.9	2.1
19	00	(1)	4.2	1.3
	01	1	4.5	1.2
	02	1	4.0	1.1
	03	-	-	-
	04	1	4.3	1.1
	05	1	4.2	1.1
	06	1	3.9	1.1
	07	1	4.2	1.0
	08	1	4.3	1.0
	09	1	4.2	0.9
	10	1	4.4	1.0
	11	1	4.3	0.9
	12	1	4.3	0.9
	13	1	4.5	1.1
	14	1	4.3	1.1
	15	1	4.3	0.9
	16	1	4.4	0.9
	17	1	4.5	1.1
	18	1	4.5	0.9
	19	1	4.4	0.9
	20	1	4.5	0.9
	21	1	4.3	0.9
	22	1	4.2	0.9
	23	1	4.3	0.9
20	00	2	4.2	0.8
	06	2	4.1	0.9
	12	2	4.3	0.7
	18	2	4.0	0.7
21	00	2	3.3	0.7
	06	2	3.4	0.7
	12	2	3.4	0.7
	18	2	2.5	0.9
22	00	2	2.7	1.1
	06	2	2.9	0.9
	12	2	3.1	0.9
	18	2	2.7	0.9
23	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	-	-	-
	12	-	-	-
	15	-	-	-
	18	1	3.0	1.0
	21	1	2.9	1.3
24	00	1	3.1	1.1
	03	-	-	-
	06	-	-	-
	09	1	3.3	1.1
	12	1	3.3	1.0
	15	1	3.2	0.9
	18	-	-	-
	21	-	-	-

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May 1958

DATE	HOUR G.M.T	K	MEAN amplitude in mm	MEAN Period in sec
Station: BOMBAY (Contd.) Compt. E. W.				
25	00	-	-	-
	03	-	-	-
	06	-	-	-
	09	1	1.1	2.0
	12	1	1.7	2.5
	15	1	1.7	2.5
	18	1	1.4	2.5
	21	1	1.4	2.7
26	00	2	1.3	2.6
	06	2	0.9	2.4
	12	2	0.8	2.3
	18	2	0.7	2.5
27	00	2	0.9	2.5
	06	2	0.9	2.5
	12	2	0.9	2.7
	18	2	0.7	2.8
28	00	2	0.9	2.6
	06	2	0.7	2.9
	12	2	0.7	3.0
	18	2	0.5	2.6
29	00	2	0.9	2.7
	06	2	1.0	3.1
	12	-	-	-
	18	2	0.9	2.7
30	00	2	0.9	2.9
	06	2	1.1	3.0
	12	3	0.9	3.0
	18	2	0.9	3.3
31	00	2	0.8	3.2
	06	3	1.0	3.4
			0.2	1.6
	12	3	0.8	3.2
			0.3	1.7
	18	3	0.9	3.2
			0.3	1.8
Station: SHILLONG Compt. E. W.				
01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
02	00	-	-	-
	06	-	-	-
	12	3	0.28	4.8
	18	3	0.24	5.1
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
04	00	-	-	-
	06	3	0.18	5.0
	12	-	-	-
	18	-	-	-
05	00	2	0.18	4.8
	01	2	0.19	5.0
	02	2	0.20	5.0
	03	-	-	-
	04	2	0.24	5.1
	05	-	-	-
	06	3	0.18	5.0
	07	3	0.19	5.1
	08	-	-	-
	09	-	-	-
	10	3	0.22	5.2
	11	3	0.20	4.9
	12	2	0.19	4.8
	13	2	0.24	5.1
	14	-	-	-
	15	-	-	-
	16	3	0.18	5.0
	17	3	0.16	4.9
	18	-	-	-
	19	3	0.24	5.0
	20	-	-	-
	21	-	-	-
	22	3	0.22	5.0
	23	-	-	-
06	00	-	-	-
	06	2	0.18	5.5
	12	2	0.24	5.0
	18	-	-	-
07	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
08	00	2	0.18	5.0
	06	-	-	-
	12	-	-	-
	18	2	0.15	5.0
09	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
10	00	-	-	-
	06	3	0.18	5.6
	12	-	-	-
	18	-	-	-
11	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
12	00	-	-	-
	06	3	0.28	5.5
	12	-	-	-
	18	2	0.12	6.0
13	00	-	-	-
	06	2	0.17	5.0
	12	2	0.18	5.1
	18	2	0.18	5.0
14	00	2	0.28	5.5
	06	-	-	-
	12	2	0.12	5.5
	18	-	-	-
15	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	2	0.16	5.0
16	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
17	00	1	0.30	4.0
	06	1	0.36	4.2
	12	1	0.48	5.0
	18	1	0.54	4.2
18	00	1	1.20	4.5
	01	1	1.08	4.7
	02	1	1.20	5.0
	03	1	1.44	4.6
	04	1	1.50	4.7
	05	1	0.96	4.5
	06	1	1.20	5.0
	07	1	1.80	4.8
	08	1	2.20	4.7
	09	1	2.3	4.9
	10	1	2.4	5.0
	11	1	2.4	5.0
	12	1	2.1	4.8
	13	1	2.0	4.5
	14	1	1.8	4.5
	15	1	1.5	4.5
	16	1	1.2	4.5
	17	1	0.96	4.7
	18	1	1.10	4.7
	19	1	0.90	4.5
	20	1	0.87	4.5
	21	1	0.81	4.6
	22	1	0.75	4.2
	23	1	0.75	4.5
19	00	1	0.62	4.2
	01	1	0.60	4.0
	02	1	0.65	4.5
	03	1	0.66	5.0
19 Contd.	04	1	0.42	4.0
	05	1	0.42	4.5
	06	1	0.70	4.6
	07	-	-	-
	08	1	0.42	4.5
	09	1	0.48	4.7
	10	1	0.45	4.5
	11	1	0.42	5.0
	12	-	-	-
	13	1	0.36	4.5
	14	1	0.34	4.6
	15	-	-	-
	16	-	-	-
	17	3	0.32	4.4
	18	2	0.26	4.5
	19	-	-	-
	20	1	0.24	4.7
	21	-	-	-
	22	-	-	-
	23	1	0.26	5.0
20	00	-	-	-
	06	2	0.18	5.0
	12	-	-	-
	18	-	-	-
21	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
22	00	-	-	-
	06	2	0.14	5.6
	12	-	-	-
	18	-	-	-
23	00	-	-	-
	06	2	0.12	5.4
	12	-	-	-
	18	-	-	-
24	00	-	-	-
	06	3	0.16	5.5
	12	-	-	-
	18	-	-	-
25	00	3	0.28	4.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
26 to 28	No record			
29	00	-	-	-
	06	1	0.18	4.5
	12	1	0.20	4.5
	18	-	-	-
30	00	-	-	-
	06	-	-	-
	12	1	0.17	4.2
	18	-	-	-
31	00 to 12	No record		
	18	1	0.18	5.0
Station: COCHIN Compt. N. S.				
01	06	3	0.0	-
02	06	3	0.8	1.4
03	06	3	2.8	1.4
04 to 09	No record			
10	06	1	1.3	1.4
11	No record			
12	06	1	1.3	1.4
13	06	1	1.8	1.4
14	06	-	-	-
15	06	1	1.3	1.4
16	06	1	1.0	1.4
17	06	1	0.9	1.4
18	No record			
19	06	1	1.3	1.4
20	06	-	-	-
21	06	1	0.0	-
22	06	1	0.0	-
23 to 25	No record			
26	06	1	0.8	1.4
27	06	1	0.0	-
28	06	1	0.0	-
29	06	1	3.8	1.4
	12	1	2.0	1.4
	18	1	1.0	1.4
30	00	1	0.8	1.4
	06	1	0.8	1.4
	12	1	0.0	-
	18	1	0.0	-
31	06	1	2.0	1.4
Component: E. W.				
01	06	-	-	-
02	06	-	-	-
03	06	2	-	-
04 to 09	No record			
10	06	-	0	-
11	No record			
12	06	3	1.8	1.4
13	06	1	2.8	1.4
14	06	1	3.43	1.4
15	06	1	2.57	1.4
16	06	1	2.97	1.4
17	06	1	2.26	1.5
18	No record			
19	06	1	2.13	1.4
20	06	1	1.0	1.4
21	06	1	1.8	1.4
22	06	1	0.0	-
23 to 25	No record			
26	06	1	0.8	1.4
27	06	1	0.0	-
28	06	1	0.0	-
29	06	1	6.6	1.4
	12	1	5.26	1.4
	18	1	2.73	1.4
30	00	1	0.8	1.4
	06	1	3.55	1.4
	12	1	0.0	-
	18	1	0.0	-
31	06	1	2.2	1.4

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Station: COCHIN — May 1958 — Component: Vertical

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in sec.
01	06	3	0.0	-
02	06	3	0.0	-
03	06	3	0.0	-
04 to 08	No record			
09	06	1	2.37	1.2
10 to 11	No record			
12	06	-	-	-
13	06	3	1.3	1.0
14	06	1	0.8	1.0
15	06	2	-	-
16	06	1	1.3	1.0
17	06	1	0.8	1.0
18	No record			
19	06	1	2.3	1.4
20	06	1	0.8	1.4
21	06	3	3.5	1.0
22	06	1	0.0	-
23	06	1	0.0	-
24 to 25	No record			
26	06	-	-	-
27	06	-	-	-
28	06	1	0.0	-
29	06	1	6.3	1.0
	12	-	-	-
	18	-	-	-
30	00	-	-	-
	06	1	4.48	1.0
	12	-	-	-
	18	-	-	-
31	00	-	-	-
	06	3	3.15	1.4

Component: N.S. — Station: HOWRAH — May 1958 — Component: Vertical

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
01	00	-	1.5	2.7
	06	-	1.7	2.6
	12	-	2.5	2.6
	18	-	2.1	2.9
02	00	-	1.4	2.6
	06	-	1.0	3.0
	12	-	1.1	2.9
	18	-	1.0	2.8
03	00	-	1.3	2.5
	06	-	2.5	2.9
	12	-	2.5	2.6
	18	-	2.6	3.0
04	00	-	2.8	2.6
	06	-	2.6	2.5
	12	-	2.3	2.6
	18	-	2.5	2.7
05	01	-	2.1	2.6
	02	-	2.3	2.6
	03	-	1.3	2.5
	04	-	1.7	2.6
	05	-	1.3	2.5
	06	-	-	-
	07	-	2.1	2.7
	08	-	1.4	2.5
	09	-	2.2	2.6
	10	-	2.1	2.7
	11	-	1.9	2.7
	12	-	-	-
	13	-	2.3	2.6
	14	-	2.1	2.7
	15	-	2.3	2.7
	16	-	1.7	2.6
	18	-	-	-
	19	-	2.4	2.7
	20	-	2.4	2.5
	21	-	2.3	2.5
	22	-	2.5	2.6
	23	-	2.5	2.6
06	00	-	1.9	2.7
	06	0..	-	-
	12	-	1.8	2.3
	18	-	2.2	1.5
07	00	-	2.1	2.6
	06	-	1.3	2.6
	12	-	1.4	2.8
	18	-	2.3	2.6
08	00	-	2.5	2.9
	06	-	3.5	2.9
	12	-	3.8	2.9
	18	-	5.0	2.8
09	00	-	4.5	3.2
	06	-	4.2	2.8
	12	-	4.7	3.2
	18	-	3.7	2.7
10	00	-	4.0	3.2
	06	-	2.8	3.0
	12	-	2.7	3.1
	18	-	2.8	3.4
11	00	-	2.8	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
12	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
13	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
14	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
15	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
16	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
17	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
18	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
19	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
20	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
21	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
22	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
23	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
24	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
25	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
26	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
27	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
28	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
29	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
30	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2
31	00	-	2.5	3.2
	06	-	2.5	3.2
	12	-	2.5	3.2
	18	-	2.5	3.2

Component: Vertical

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec
01	00	-	1.1	2.1
	06	-	1.4	2.7
	12	-	1.5	2.5
	18	-	1.2	2.8
02	00	-	1.1	2.5
	06	-	1.4	3.0
	12	-	1.1	2.5
	18	-	0.9	2.7
03	00	-	1.0	2.9
	06	-	1.5	2.8
	12	-	1.7	2.6
	18	-	2.0	2.9
04	00	-	1.3	2.9
	06	-	1.6	2.7
	12	-	1.7	2.9
	18	-	1.7	2.8
05	01	-	1.1	2.6
	02	-	1.7	2.6
	03	-	1.2	2.5
	04	-	1.2	2.6
	05	-	1.4	2.6
	07	-	1.1	2.5
	08	-	1.4	2.7
	09	-	1.6	2.6
	10	-	1.1	2.6
	11	-	1.6	2.5
	13	-	1.3	2.6
	14	-	1.5	2.7
	15	-	1.4	2.6
	16	-	1.7	2.6
	17	-	1.8	2.6
	19	-	1.5	2.5
	20	-	1.9	2.6
	21	-	1.6	2.6
	22	-	1.2	2.7
	23	-	0.9	2.7
06	00	-	1.0	2.7
	06	-	-	-
	12	(1)	0.9	2.2
	18	(1)	1.9	2.1
07	00	-	1.0	2.8
	06	-	1.0	2.4
	12	-	1.3	2.8
	18	-	1.5	2.8
08	00	-	1.5	3.0
	06	-	2.1	2.9
	12	-	1.9	2.7
	18	-	2.2	2.9
09	00	-	2.6	3.3
	06	-	2.4	3.1
	12	-	2.2	3.2
	18	-	3.1	2.8
10	00	-	2.4	3.5
	06	-	1.9	3.6
	12	-	1.6	3.3
	18	-	1.5	2.8
11	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
12	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
13	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
14	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
15	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
16	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
17	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
18	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
19	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
20	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
21	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
22	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
23	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
24	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
25	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
26	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
27	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
28	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
29	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
30	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2
31	00	-	1.5	3.2
	06	-	1.5	3.2
	12	-	1.5	3.2
	18	-	1.5	3.2

International Seismological Centre From the ISC collection scanned by SISMOS

Compt.: Vertical Station: HOWRAH May 1958

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
11	00	-	1.5	3.2
	06	-	1.8	3.6
	12	-	1.3	3.3
	18	-	1.6	3.0
12	00	-	3.5	2.7
	06	-	2.0	3.5
	12	-	-	-
	18	-	1.4	3.4
13	00	-	1.3	3.0
	06	-	-	-
	12	-	-	-
	18	-	1.0	3.1
14	00	-	1.2	3.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
15 to 16 No record				
17	00	-	-	-
	06	-	3.9	3.5
	12	-	4.2	3.7
	18	-	-	-
18	01 to 14 No record			
	15	-	4.7	4.0
	16	-	5.4	3.9
	17	-	3.8	3.8
	19	-	3.1	3.7
	20	-	3.5	3.8
	21	-	2.7	3.8
	22	-	3.4	3.9
	23	-	2.0	4.0
19	01	-	1.4	3.9
	02	-	1.8	4.0
	03	-	2.0	3.9
	04	-	2.7	3.6
	05	-	1.8	3.7
	07	-	2.8	3.8
	08	-	1.8	3.8
	09 to 23 No record			
20	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.4	3.3
21	00	-	1.6	3.2
	06	-	-	-
	12	-	-	-
	18	-	1.4	2.9
22	00	-	-	-
	06	-	2.4	3.2
	12	-	2.4	3.2
	18	-	1.7	2.7
23	00	-	1.3	3.2
	06	-	2.5	2.7
	12	-	-	-
	18	-	2.0	2.7
24	00	-	2.0	3.4
	06	-	2.3	2.4
	12	-	2.1	2.9
	18	-	2.8	2.9
25	00	-	1.8	3.3
	06	-	-	-
	12	-	-	-
	18	-	-	-
26	00	-	-	-
	06	-	2.9	3.0
	12	-	2.4	3.0
	18	-	2.2	3.0
27	00	-	1.8	3.0
	06	-	1.8	3.2
	12	-	1.6	3.5
	18	-	1.2	3.0
28	00	-	1.4	3.5
	06	-	-	-
	12	-	1.6	3.2
	18	-	1.6	3.2
29	00	-	1.4	3.8
	06	-	-	-
	12	-	-	-
	18	-	0.8	3.2
30	00	-	1.0	1.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
31	00	-	1.0	2.4
	06	-	-	-
	12	-	-	-
	18	-	1.4	2.9

Component: ½E.W.

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
01	00	-	-	-
	06	-	-	-
	12	-	1.3	2.5
	18	-	1.3	2.6
02	No record			
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.7	3.2
04	00	-	2.5	2.9
	06	-	-	-
	12	-	2.1	2.6
	18	-	1.7	2.9
05	01	0..	-	-
	02	-	1.3	2.5
	03 to 11 No record			
	13	-	2.1	2.6
	14	-	2.1	2.6
	15	-	1.9	2.6
	16	-	1.7	2.6
	17	-	2.0	2.7
	19	-	2.0	2.6
	20	-	1.7	2.5
	21	-	1.7	2.6
	22	-	1.9	2.6
	23	-	2.0	2.6
06	00	.	1.1	2.5
	06	-	-	-
	12	-	-	-
	18	-	1.9	2.2
07	00	0..	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.2	2.6
08	00	-	1.2	2.9
	06	-	-	-
	12	-	-	-
	18	-	2.7	2.9
09	00	-	2.4	3.0
	06	-	3.9	3.1
	12	-	3.0	3.4
	18	-	3.2	2.9
10	00	-	3.3	3.5
	06	-	-	-
	12	-	2.1	3.0
	18	-	2.7	3.0
11	00	-	3.0	3.1
	06	-	2.5	2.6
	12	-	1.0	3.2
	18	-	2.3	2.9
12	00	-	4.1	2.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
13 and 14 No record				
15	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.7	3.7

Compt.: E.W.

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
15	00	-	1.8	3.3
	06	-	-	-
	12	-	-	-
	18	-	2.3	3.4
17	00	-	3.3	3.5
	06	-	3.5	4.0
	12	-	6.3	3.4
	18	-	1.24	3.7
18	01	-	13.5	3.7
	02	-	12.9	3.8
	03	-	19.2	3.9
	04 to 11 No record.			
	13	-	12.4	3.7
	14	-	12.2	3.8
	15	-	12.5	3.8
	16	-	13.4	3.9
	17	-	13.3	3.9
	18	-	-	-
	19	-	12.8	3.9
	20	-	11.1	3.8
	21	-	6.8	3.9
	22	-	5.9	3.9
	23	-	5.0	3.9
19	01	-	3.9	3.5
	02	-	3.2	3.7
	03	-	4.4	3.7
	04	-	4.2	-
	05	-	4.1	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	3.0	4.1
	11	-	1.1	4.2
	13	-	4.1	4.2
	14	-	4.2	4.4
	15	-	3.8	4.2
	16	-	3.5	4.2
	17	-	3.5	4.4
	19	-	3.3	4.4
	20	-	2.9	4.2
	21	-	2.8	4.2
	22	-	2.5	4.1
	23	-	2.4	4.2
20	00	-	2.5	4.2
	06	-	-	-
	12	-	-	-
	18	-	1.9	3.0
21	00	-	1.8	3.0
	06	-	-	-
	12	-	-	-
	18	-	2.1	2.5
22	00	-	2.1	3.2
	06	-	-	-
	12	-	-	-
	18	-	2.3	3.1
23	00	-	2.3	3.1
	06	-	-	-
	12	-	-	-
	18	-	2.4	2.7
24	00	-	2.0	3.1
	06	-	-	-
	12	-	-	-
	18	-	-	-
25	00	0..	-	-
	06	-	2.5	3.0
	12	-	2.5	3.0
	18	-	2.1	3.1
26	00	-	2.4	2.7
	06	-	-	-
	12	-	-	-
	18	-	2.7	3.2
27	00	-	2.4	3.2
	06	-	-	-
	12	-	-	-
	18	-	2.0	3.7
28	00	-	1.6	3.2
	06	-	-	-
	12	-	-	-
	18	-	1.9	3.5

Station: HOWRAH Compt. E.W

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
29	00	-	2.1	3.2
	06	-	-	-
	12	-	-	-
	18	-	1.8	3.5
30	00	-	1.5	3.4
	06	-	-	-
	12	-	-	-
	18	-	-	-
31	00	-	1.4	2.9
	06	-	-	-
	12	-	-	-
	18	-	1.3	2.8

PORT BLAIR Compt.: E.W.

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in sec.
01 to 11 No record				
12	00	-	-	-
	06	2	0.8	7.0
	12	00	-	-
	18	2	0.8	6.0
13	00	-	-	-
	06	-	-	-
	12	2	0.8	-
	18	2	-	-
	00	2	0.9	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
17	00	-	-	-
	06	2	1.2	5.0
	12	2	1.6	4.0
	18	2	1.6	4.2
18	00	2	2.0	6.0
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	2	3.2	5.0
	05	2	3.2	5.0
	06	2	3.2	5.1
	07	2	3.2	5.1
	08	2	4.0	5.2
	09	2	4.0	5.2
	10	2	4.0	5.2
	11	2	4.1	5.2
	12	2	4.4	5.2
	13	2	4.2	5.5
	14	2	4.4	5.4
	15	2	4.5	5.4
	16	2	4.5	5.6
	17	2	4.5	5.6
	18	2	4.5	5.5
	19	2	4.5	5.5
	20	2	4.5	5.0
	21	2	4.5	5.0
	22	2	4.5	5.0
	23	2	4.5	5.0
19	00	2	4.0	5.0
	01	2	4.0	5.0
	02	2	4.0	5.0
	03	2	4.0	5.1
	04	2	4.0	5.0
	05	2	4.0	5.0
	06	2	4.0	5.0
	07	2	4.0	5.2
	08	2	4.0	5.2
	09	2	4.0	5.2
	10	2	4.4	5.1
	11	2	4.4	5.0
	13	2	4.0	5.0
	14	2	3.6	5.0
	15	2	3.6	5.0
	16	2	3.6	5.4
	17	2	3.5	5.4
	18	2	3.6	5.3
	19	2	3.6	5.4
	20	2	3.2	5.6
	21	2	2.4	5.6
	22	2	2.0	3.6
	23	2	2.0	5.6

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Station: PORT BLAIR (Contd) May 1958 Component : E.W.

DATE	HOUR GMT	K	MEAN AMPLITUDE (Micron)	MEAN PERIOD IN sec.
20	00	2	2.0	5.6
	06	-	-	-
	12	2	0.8	6.0
	18	2	0.4	6.9
21	00	2	4.0	6.0
	06	-	-	-
	12	-	-	-
	18	2	0.8	7.5
22	00	2	0.8	7.5
	06	2	1.2	7.5
	12	2	1.2	7.5
	18	1	1.2	7.5
23	00	1	1.6	7.5
	06	1	1.5	7.5
	12	-	-	-
	18	-	-	-
24	00	1	1.6	7.5
	06	1	2.1	7.5
	12	1	2.1	7.5
	18	1	2.1	7.5
25	00	1	2.1	7.5
	06	1	2.1	7.5
	12	1	2.1	7.5
	18	1	2.8	7.5
26	00	1	1.2	7.5
	06	1	0.4	7.5
	12	0..	-	-
	18	0..	-	-
27	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
28	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
29	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
30	00	1	0.8	7.5
	06	1	0.8	7.5
	12	1	0.8	7.5
	18	1	0.8	7.5
31	00	1	0.8	7.5
	06	1	0.8	7.5
	12	1	0.8	7.5
	18	1	1.2	7.5

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

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Director General of Observatories.

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGITUDE	HEIGHT n.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNIFICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h =0.8	60
					Wood-Anderson	N	0.8	1000	h =0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72	Tg=0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0 h=0.8	30
					Wood-Anderson	E	0.8	1000	h = 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To =1.0	Tg =0.18	-	60
					Sprengnether	E	To = Tg = 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h = 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h = 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
01	SHILLONG	Z	iPg()	00	18	36	140	Rarefaction
		NE	ePg()					Magnitude ~3
		Z	eSg		18	52		
	TOCKLAI	E	eP	00	18	46		Slight, near
01	DEHRA DUN	NE	e	00	27	42		Feeble
	SHILLONG	Z	eP	00	30	15		Slight, distant
	BOMBAY	NE	e	00	32	34		Slight
01	SHILLONG	Z	iP	01	32	20		Slight, distant Compression
01	SHILLONG	Z	iP	04	09	50		Slight, distant Compression
01	SHILLONG	Z	e	04	47	18		Slight, near
01	SHILLONG	Z	eP	05	50	41		Slight, near
			e		50	53		
01	PORT BLAIR	E	iPg	10	35	39	50	Slight
			iSg		35	45		
01	SHILLONG	Z	iP	12	45	14		Slight, distant Compression
01	SHILLONG	Z	iPg	14	20	13	90	Slight, Rarefaction
			eSg		20	23		
1	SHILLONG	Z	iP	18	33	45		Slight, distant Compression
01	SHILLONG	Z	iP	20	01	06		Slight, distant compression
01	SHILLONG	Z	iP	20	07	06		Slight, distant Compression
02	Epc: Bay of Bengal - H ~ 07h 39m 30s G.M.T. (Shillong)							
	PORT BLAIR	E	eP	07	40	42	460	Slight
			Pg		41	00		
			eS		41	31		
			Sg		42	57		
	MADRAS	E	eP	07	42	08	1390	Feeble
			PP		42	17		
			PPP		42	25		
			Lq		44	22		
			iS		44	29		
			SS		44	43		
			Lr		44	58		
			M		45	52		
	SHILLONG	Z	iP	07	42	49		Slight, compression
	CHATRA	Z	iP	07	43	14		Slight
		ZNE	i		47	22		
02	Epc: 25°N, 96°E North Burma - H ~ 13h 26m 15s G.M.T. (Shillong)							
	TOCKLAI	E	eP	13	26	54		Slight
			iS		27	18		
	SHILLONG	Z	eP	13	27	16	460	Slight
			PP/P*		27	24		
			PPP		27	29		
			i		27	37		
			i		27	57		
			S/Lr		28	07		
			i		28	23		
			Sg/SSS		28	27		
			i		28	30		
	CHATRA	Z	iP	13	28	13		Slight
		ZNE	i		31	17		
02	PORT BLAIR	E	ePg	15	42	50	30	Slight
			iSg		42	54		
02	SHILLONG	Z	iP	18	03	24		Slight, distant Compression
02	SHILLONG	Z	eP	19	25	50		Slight, distant
03	CHATRA	Z	iPg	04	27	32	30	Feeble
			iSg		27	36		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
03	SHILLONG	Z	iP	06	55	56		Slight, distant Compression
03	DEHRA DUN	NE	e	08	51	06		Slight, phases
			i		52	14		not clear
			i		52	52		
	AGRA	ZNE	eP	08	51	23		Slight
	CHATRA	Z	iP	08	52	51	2750	Slight
		ZNE	iS		57	11		
	SHILLONG	ZNE	eP	08	53	48		Slight, other phases not clear
	BOMBAY	E	e	08	54	19		Feeble
		NE	e		55	05		
		E	e		55	14		
	HYDERABAD	N	e	08	55	47		
			i		56	07		
			M		57	10		Per. ~ 9 secs
								A ~ 5
	VIZIANAGRAM	N	e	08	56	22		Slight
			i		58	04		
03	DEHRA DUN	NE	e	15	05	42		Slight, phases
			i		07	21		not clear
	AGRA	ZNE	eP	15	05	47		Slight, near
	CHATRA	Z	iP	15	07	25	2330	Slight
		NE	iS		11	15		
	SHILLONG	Z	eP	15	08	15		Slight, distant
	BOMBAY	NE	e	15	10	12		Feeble, near
03	SHILLONG	Z	eP	17	04	35		Slight, distant
03	SHILLONG	Z	iP	18	36	55	110	Feeble,
			iS		37	09		compression
			SS		37	19		
			SSS		37	30		
03	TOCKLAI	E	eP	19	07	36		Slight, near
			i		07	51		
	SHILLONG	Z	iP	19	07	45	320	Feeble
			P*/Pg		07	54		
			S		08	19		
			S*		08	23		
			Sg		08	28		
03	Epc: 15°S, 158°E New Hebrides Islands - H ~ 19h 31m 52s G.M.T. (U.S.C.G.S) Mag.: 6½ - 6¾ (Berkeley)							
	PORT BLAIR	E	eP	19	44	05	8800	Slight
			i		45	50		
			iS		54	05		
			PS		54	44		
			SS		59	27		
			SSS	20	03	27		
	TOCKLAI	E	eP	19	44	24		Slight
	SHILLONG	Z	iP()	19	44	30	9440	Slight,
		NE	eP()					compression
		E	i		44	39		Other phases
		NE	iSKS		54	53		not clear
	CHATRA	NE	i	19	44	51		Slight
			i		55	15		
	MADRAS	E	eP	19	45	01	9840	Moderate
			PP		48	42		
			PPP		50	37		
			SKS		55	36		
			eS		55	46		
			PS		55	53		
			PPS		57	25		
			SS	20	01	45		
	KODAIKANAL	E	eP	19	45	10		Slight
			iSKS		55	49		
	AGRA	ZE	iP()	19	45	25	10240	Slight,
		N	eP()					compression.
		ZE	iPP		49	25		First movement
		Z	PPP		50	57		West.

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
03 Contd.	AGRA Contd.	E	iSKS	19 56 01		
			eSScS	56 27		
		ZE	PPS	58 13		
		E	SS	20 01 52		
		Z	iP	04 02		
			iP	04 59		
			SSS	05 35		
			Lr	14 45		
		ZNE	M	24 49		Per.≃16 secs Amp.≃6.5 mm
	DEHRA DUN	NE	e	19e45 43		Feeble, phases not clear
	CALCUTTA	E	iPP	19 48 07		Slight
			iSKS	55 06		
	BOMBAY	E	e	19 48 40	13490	Slight
			PP	49 50		
			PPP	51 51		
		NE	SKKS	56 21		
			S	57 25		
		E	S	57 33		
	BOMBAY	E	PS	19 59 15		
			PPS	20 00 29		
			eSS	06 39		
	HYDERABAD	N	M	20 21 12		Per.≃18 secs μ ≃ 9
03	COLOMBO	E	P	23 45 02		Presumably a mistake of 4 hrs in absolute time and refer to the earlier shock. Amp.≃0.3 mm
			S	55 30		
			L	00 20 55		
			M	25 58		
04	CHATRA	Z	iPg	03 13 16	160	Feeble
			iSg	13 36		
04	SHILLONG	Z	iP	03 41 33		Slight, distant Compression
04	SHILLONG	Z	iP	08 45 59		Slight, distant Rarefaction.
04	SHILLONG	Z	iP	09 57 49		Slight, distant Rarefaction
04	CHATRA	E	iP	12 22 36	120	Slight
			iS	22 52		
	SHILLONG	Z	e	12 23 15		Slight, near
			i	23 17		
			i	23 20		
			i	23 23		
			i	24 01		
04	Epc: 52½°N, 157°W. Near I. de. Aleutian Islands. - B ≃ 14h 29m 56s (U. C. G. S) Mag.≃6-6¼ (Pasadena), 6 (Berkeley)					
	SHILLONG	ZE	iP	14 41 39		Moderate, Compression. First movement West.
		N	i	41 43		
			i	51 21		
		E	i	51 36		
			i	51 58		
			i	52 40		
		N	Mn	15 17 --		Per.≃15 secs μ ≃ 7.2
	CHATRA	Z	iP	14 41 48		Slight
	DEHRA DUN	NE	eP	14 42 00	8820	Slight
			iS	52 01		
	AGRA	ZNE	iP	14 42 16		Moderate, compression. First movement South and West.
		Z	iP eP	42 28		
			PP	45 30		
			PPP	48 14		
		ZNE	iS/SKS	52 28		
		Z	iSeS	52 38		
		N	SS	58 30		
		Z	Lq	15 04 10		
		ZNE	M	14 26		Per.≃16 secs Amp.≃12.0 mm
	HYDERABAD	N	eP	14 42 52	9630	Slight
			iSKS	53 21		
			PS	54 20		
			Lq	15 06 38		
			Lr	09 32		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
04 Contd.	HYDERABAD Contd.	N	M	15 16 17		Per.≃15 secs μ ≃ 8
		E	M	15 50		Per.≃18 secs μ ≃ 8
	BOMBAY	NE	eP	14 43 00	10630	Slight
		N	PP	46 41		
		NE	SKS1	53 32		
			eS	54 00		
			e	54 15		
		N	PS	55 37		
		E	M	15 28 36		Per.≃15 secs μ ≃ 2
		N	M	29 15		Per.≃15 secs μ ≃ 5
	COLOMBO	E	P	14 46 13		
			S	54 06		
			L	15 26 01		
			M	31 56		Amp.≃0.4 mm
	CALCUTTA	E	i	14 51 38		Slight, distant
			e	52 18		
			e	54 33		
			i	55 52		
	KODAIKANAL	E	e	14 53 57		Tremor
04	SHILLONG	Z	iPg	15 12 01	100	Slight, compression
			eSg	12 14		
04	SHILLONG	Z	eP	15 26 40		Slight, distant
04	SHILLONG	Z	ePg	15 40 39	20	Feeble, local
			eSg	40 41		
04	SHILLONG	Z	e	19 01 29		Slight, distant
05	SHILLONG	Z	iPg	00 53 19	90	Slight, rarefaction
			eSg	53 29		
05	SHILLONG	Z	e	01 18 39		Slight, near
			i	19 21		
05	SHILLONG	Z	e	02 31 11		Slight, distant
05	SHILLONG	Z	e	03 09 35		Slight, distant
05	SHILLONG	Z	iP	04 56 41		Slight, distant Compression
05	SHILLONG	Z	iPg	11 26 24	250	Compression
		NE	ePg			Mag.≃4-4½.
		Z	Pn	26 26		
			Pg	26 29		
		PPP		26 37		
			Sg	26 59		
		SSS		27 14		
	CHATRA	Z	iP	11 27 23	1190	Slight
		ZNE	iS	29 25		
05	MADRAS	E	e	12 15 25		Feeble,
			e	15 35		
			e	15 46		
05	CHATRA	Z	i	13 39 23		Feeble, distant
	SHILLONG	Z	iP	13 59 53		
05	PORT BLAIR	E	iP	14 12 06		Slight
	SHILLONG	Z	iP	14 16 04		Slight, distant Rarefaction
	CHATRA	Z	i	14 16 30		Slight, distant
05	CHATRA	Z	iP	15 01 43	450	Feeble
			iS	02 32		
05	SHILLONG	Z	eP	16 04 45		Slight, distant
05	SHILLONG	Z	iP	17 38 15		Slight, distant Compression
05	SHILLONG	Z	ePg	18 15 57	130	Slight
			eSg	16 07		
05	SHILLONG	Z	ePg	20 21 00	130	Slight
			e	21 01		
			eSg	21 15		
05	PORT BLAIR	E	ePg	22 54 31	10	Slight
			iSg	54 33		

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DATE	STATION	COMPT	PHASE	G h	M m	T s	Δ km	REMARKS
06	PORT BLAIR	E	iP	00	16	55		Slight
	SHILLONG	Z	iP	00	19	52		Slight, distant Rarefaction
	CHATRA	Z	iP	00	20	18	2380	Slight
		E	iS		24	12		
06	SHILLONG	Z	e	00	35	06		Slight, near
			i		35	37		
06	Epc: 8°N, 85°W. Off Coast of Costa Rica H = 09h 11m 18s G M T. (U. S. C. G. S) Mag: 6½ - 6¾ (Pasadena)							
	AGRA	ZNE	ePKP	09	30	45		Moderate
	CHATRA	Z	iPKP	09	30	50		Slight
		NE	iPP		34	39		
	DEHRA DUN	NE	e	09	30	55		Slight, phases not clear
			i		34	44		
			i		35	41		
	SHILLONG	Z	iPKP 1½	09	30	56		Slight
		E	ePKP 1½					
		N	iPKP 2		31	11		
		E	ePKP 2		32	11		
			i		32	16		
			i		32	49		
			i		33	14		
	TOCKLAI	E	ePKP	09	30	59		Slight
	BOMBAY	NE	ePKP 1	09	31	08	1617.5	Slight
		N	e		32	10		
		NE	e		34	48		
		N	PP		35	03		
		NE	eSS		52	23		
		N	M	10	45	16		Per. 19 secs A = 4
	CALCUTTA	E	e	09	31	29		Slight, distant
			i		32	25		
			e		42	46		
	MADRAS	E	eP	09	31	35	2990	Slight
			PP		32	17		
			PPP		32	31		
			PcP		34	52		
			eS		36	11		
			Lr		38	28		
	KODAIKANAL	E	e	09	31	36		Tremor
	COLOMBO	E	L	10	30	05		
			M		36	10		Amp. = 0.6 mm
	HYDERABAD	N	M	10	30	11		Per. = 21 secs A = 13
		E	M		30	31		Per. = 18 secs A = 8
06	DEHRA DUN	NE	e	10	34	15		Tremor
06	SHILLONG	Z	eP	14	58	38		Slight, distant
06	CHATRA	Z	iPg	15	45	22	10	Feeble
			iSg		45	24		
06	SHILLONG	Z	e	18	17	43		Slight distant
06	SHILLONG	Z	e	19	32	03		Slight near
			i		32	27		
06	Epc: 5½°N, 82½°W South of Costa Rica H = 19h 15m 28s G M T. (U. S. C. G. Mag = 5 (Pasadena)							
	CHATRA	Z	iPKP	19	35	07		[illegible]nt
	SHILLONG	Z	iPKP	19	35	13		[illegible]t [illegible]ressions
	DEHRA DUN	NE	e	19	35	27		
			e		38	47		
	TOCKLAI	E	e	19	35	34		Slight
	BOMBAY	N	e	19	35	39		Slight
			e		37	01		
	COLOMBO	E	L	20	52	50		
			M		57	15		Amp. = 0.4 mm

DATE	STATION	COMPT	PHASE	G h	M m	T s	Δ km	REMARKS
06	SHILLONG	Z	iP	20	26	44		Slight, near Compression
			i		27	17		
06	SHILLONG	Z	iP	20	49	36		Slight, near Compression
			i		50	09		
06	SHILLONG	Z	iP	23	03	49		Slight, distant Rarefaction
07	SHILLONG	Z	eP	03	34	07		Slight, distant
07	SHILLONG	Z	e	05	52	55		Slight, near
07	SHILLONG	Z	eP	07	00	42		Slight, distant
07	SHILLONG	Z	iP	10	56	33		Slight, distant Rarefaction
07	VIZIANAGRAM	N	e	11	32	48		Slight, distant
07	PORT BLAIR	N	eP	12	58	19	280	Slight
			Pg		58	26		
			Sg		58	59		
	SHILLONG	Z	eP	12	59	13		Slight distant
07	SHILLONG	Z	eP	13	07	57		Slight, distant
07	SHILLONG	Z	e	15	14	31		Slight, distant
07	SHILLONG	Z	e	15	29	28		Slight, distant
07	SHILLONG	Z	eP	16	03	02		Feeble, local
			e		03	04		
07	SHILLONG	Z	iP	18	19	29		Slight near Compression
07	SHILLONG	Z	iP	18	37	49		Slight distant Rarefaction
07	SHILLONG	Z	[illegible]		50	13		Slight near
07	SHILLONG	Z	iP	19	28	29		Slight, distant Compression
07	SHILLONG	Z	iP	19	37	46		Slight, distant Compression
07	SHILLONG	Z	iP	20	40	40		Slight, distant Compression
08	Epc: 8°N, 94°E. Nicobar Island Region H = 00h 46m 25s G M T (Shillong)							
	PORT BLAIR	E	iP	00	47	36	510	Slight
			P*		47	46		
			PPP		47	50		
			Pg		47	55		
			Lg		48	16		
			iS		48	20		
			Sg		48	50		
	COLOMBO	E	P	00	49	53		
			L		53	46		
			M		56	13		Amp .0 6 mm
	VIZIANAGRAM	NE	iP	00	49	54		Slight First movement South and West
			i		52	26		
	MADRAS	E	iP	00	49	58	1540	Slight First movement West
			PP		50	05		
			PPP		50	13		
			Lq		52	23		
			iS		52	31		
			SS		52	51		
			Lr		53	07		
			M		54	10		
	CALCUTTA	NE	eP	00	50	13	18 30	Slight
		N	iS		53	15		
		E	iS		53	18		
	TOCKLAI	E	e	00	50			[illegible]t
			i		53			
	SHILLONG	ZNE	iP	00	50			[illegible]ght, compre
		E	iS		53	5		sion First
			i		54	18		movement North and West. Other phases not identifiable

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					June 1958			
08 Contd	CHATRA	Z	iP	00	50	52	2510	Slight
		E	iP		54	56		
	DEHRA DUN	NE	e	00	51	04		Feeble
			i		52	15		
			i		56	44		
	BOMBAY	E	eP	00	51	44		Slight
		NE	e		55	54		
	AGRA	ZNE	iP	00	51	51	2740	Slight,
		Z	PPP		52	45		compression
		ZNE	iS		56	11		First movement
			i?		55	27		North and West
		ZE	SS		57	27		
		ZNE	M	01	00	35		
08	CHATRA	Z	iP	02	04	52	3540	Slight
		ZE	iS		05	32		
	SHILLONG	Z	eP	02	05	02		Slight, near
			i		05	37		
			e		05	57		
08	SHILLONG	Z	iP	07	17	54		Slight, distant Rarefaction
08	SHILLONG	Z	iP	07	50	21		Slight, distant Compression
08	SHILLONG	ZE	iP	11	46	38	240	Rarefaction.
		E	Pg/PP		46	44		Mag. = 2½.
		N	i		46	50		
		E	S		47	06		
			S*		47	09		
			Sg		47	14		
		N	i		47	20		
		E	SSS		47	32		
	TOCKLAI	E	eP	11	46	43		Slight, near
			i		47	04		
08	SHILLONG	Z	iP	12	38	10		Slight, distant Compression
08	SHILLONG	Z	iP	17	44	16		Slight, near
			e		44	29		Rarefaction
08	SHILLONG	Z	iP	21	11	27		Slight, distant Rarefaction
08	TOCKLAI	E	e	21	29	31		Slight, near
			i		29	46		
	SHILLONG	Z	eP	21	29	58		Slight, near
			e		30	07		
			i		30	33		
			i		30	52		
08	SHILLONG	Z	iPg	23	21	56	120	Slight,
			eSg		22	10		Rarefaction
	DEHRA DUN	NE	e	23	23	24		Tremor
09	DEHRA DUN	NE	e	00	30	41		Tremor
09	PORT BLAIR	E	eP	07	08	11	610	Slight
			Pg		08	37		
			Lq		09	03		
			iS		09	15		
			SS		09	38		
			Sg		09	56		
09	MADRAS	E	e	07	10	32		Feeble
			e		11	35		
			e		12	13		
09	SHILLONG	Z	eP	07	11	09		Slight, distant
09	SHILLONG	Z	i	07	34	06		
09	SHILLONG	Z	iP	07	49	26		Slight, distant Compression
09	SHILLONG	Z	i	09	06	36		
09	SHILLONG	Z	iP	10	01	35		Slight, distant Rarefaction
09	SHILLONG	Z	iP	10	09	53		Slight, distant Compression
09	CHATRA	Z	iP	11	47	31	1080	Slight
		ZNE	iS		49	22		
09	SHILLONG	Z	iPg	12	17	01		Feeble, local Other phases not clear.
09	SHILLONG	Z	eP	16	10	57		Slight, distant
	CHATRA	Z	i	16	11	07		Feeble, distant
09	SHILLONG	Z	iP	16	26	12		Tremor, compression
09	CHATRA	Z	iPg	18	56	04	10	Feeble
			iSg		56	06		
09	CHATRA	Z	iP	19	22	22	640	Feeble
			iS		23	29		
09	SHILLONG	Z	e	19	52	28		Tremor
09	SHILLONG	Z	e	20	22	20		Slight, near
			i		22	42		
09	CHATRA	Z	iP	23	10	52	150	Feeble
			iS		11	13		
10	SHILLONG	Z	iP	00	21	19		Slight, distant Compression
10	SHILLONG	Z	iP	00	38	01		Slight, distant Compression
10	SHILLONG	Z	i	03	15	38		Tremor, Compression
10	Epc: 27½°N, 140°E. Bonin Island Region. - h about 500 km. -H = 04h 53m 35s G.M.T(U.S.C.G.S)							
	SHILLONG	ZE	iP	05	00	52		Slight. Rarefaction. First movement East. No other phase
	CHATRA	Z	iP	05	01	24		Slight
	DEHRA DUN	NE	eP	05	02	17		Tremor
10	SHILLONG	Z	iP	05	05	37		Slight, distant compression
10	SHILLONG	Z	iP	05	15	36		Slight, distant Compression
10	SHILLONG	Z	i	06	01	32		Slight, near
			e		01	40		
10	BOKARO	NE	e	06	15	38		Tremor
10	Epc: 30½°N, 51½°E. Western Iran - H = 07h 04m 02s G.M.T.(U.S.C.G.S)							
	BOMBAY	NE	eP	07	09	08	2490	Slight
			eS		13	10		
			Lq		13	30		
			SS		13	56		
			SSS		14	17		
	AGRA	ZE	iPð	07	09	16	2670	Slight, compression. First movement East.
		N	ePð					
			eS		13	31		
	DEHRA DUN	NE	eP	07	09	17	2590	Slight
			iS		13	28		
			SS		14	29		
			M		17	15		
	CHATRA	Z	iP	07	10	29	3940	Slight
		NE	iS		16	04		
	SHILLONG	Z	iPð	07	11	04		Slight, compression
		E	ePð					
		N	e		11	16		
		E	i		27	57		
10	CHATRA	Z	iP	08	32	20	140	Slight
			iS		32	38		
	SHILLONG	Z	eP	08	33	05		Slight, near
			i		34	06		
10	SHILLONG	Z	eP	10	10	00		Slight, near
			i		12	38		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					June 1958			
10	CHATRA	Z	iPg	15	29	14	120	Feeble
			iSg		29	30		
10	SHILLONG	Z	eP	20	16	37		Slight, distant
10	SHILLONG	Z	iP	20	41	10		Slight, distant Rarefaction
	SHILLONG	Z	iP	21	57	56		Slight, distant Compression
11	SHILLONG	Z	e	00	40	17		Slight, near
11	DEHRADUN	NE	e	01	41	00		Tremor
11	CHATRA	Z	iP	03	03	49	820	Feeble
			iS		08	14		
	DEHRA DUN	NE	e	03	04	05		Tremor
11	SHILLONG	Z	ePg	04	45	19	120	Slight
			iSg		45	34		
	CHATRA	Z	iPg	04	46	35	58	Feeble
			iSg		46	47		
11	TOCKLAI	E	eP	07	58	09		Slight
	SHILLONG	ZE	eP	07	58	28	1030	Slight
		E	iS	08	00	14		
		N	iS		00	15		
	CHATRA	Z	iP	07	59	29	1780	Slight
		ZNE	iS	08	02	27		
11	DEHRA DUN	NE	e	12	29	47		Tremor
11	SHILLONG	Z	e	13	22	43		Slight, near
11	SHILLONG	Z	iP	19	29	25		Slight, distant Rarefaction
11	SHILLONG	Z	e	20	41	11		Slight, near
			e		41	45		
12	SHILLONG	Z	iP	00	47	02		Slight, distant Rarefaction
12	SHILLONG	Z	iP	00	49	17		Slight, distant Compression
12	SHILLONG	Z	iPg	11	12	40		Slight, near Compression
			i		13	17		
12	CHATRA	Z	i	12	13	43		Feeble, distant
	SHILLONG	Z	eP	12	13	49		Slight, distant
12	CHATRA	Z	iPg	17	50	16	100	Feeble
			iSg		50	30		
12	SHILLONG	Z	iPg	19	02	03		Slight, near Rarefaction
			i		02	18		
	CHATRA	Z	e	19	03	14		Feeble
12	Epc: 53°N, 167°W. Fox Islands, Aleutian Islands - H = 20h 52m 57s G.M.T. (U.S.C.G.S)							
	TOCKLAI	E	eP	21	04	40		Slight
	SHILLONG	ZNE	iP	21	04	49	8500	Moderate, compression
		E	i		04	59		
		N	PcP		05	08		First movement
			PP		07	43		South and West
		NE	iS		14	34		
		E	i		14	40		
		N	ScS		14	45		
		E	i		14	54		
		N	PS		14	56		
			PPS		15	15		
		E	i		15	46		
		N	SS		19	43		
			i		32	05		
			Mn		33	05		Per. ≈ 22.5 secs
			Mn		40	--		Per. ≈ 18 secs
								μ ≈ 28
	CHATRA	Z	iP	21	05	00	8850	Slight
		NE	iS		15	02		
12 Contd.	DEHRA DUN	NE	eP	21	05	11	8850	Moderate
		N	iS		15	13		
			SSS		23	26		
			Lq		25	54		
			M		35	34		
	CALCUTTA	E	eP	21	05	13	9000	Moderate
			PP		08	33		
			iS		15	22		
	AGRA	ZNE	iP	21	05	23	9440	Moderate, compression. First
			iPcP		05	26		movement South
		Z	PP		08	37		and West
		NE	iS		15	40		
		ZNE	i		15	52		
		NE	PS		16	44		
			SS		21	52		
		ZNE	M		38	44		Per. ≈ 16 secs
								Amp. ≈ 22.0 mm
	HYDERABAD	N	iP	21	06	06	9840	Moderate
			PP		09	39		First
			PPP		11	24		movement
			e		15	54		South.
			iSKS		16	33		
			iS		16	51		
			PS		17	54		
			SS		22	00		
			SSS		25	36		
			Lr		32	21		
			M		39	33		Per. ≈ 21 secs
								μ ≈ 18
		E	M		40	06		Per. ≈ 18 secs
								μ ≈ 13
	BOMBAY	NE	eP	21	06	14	10130	Moderate
			PP		09	49		
		E	e		16	18		
		NE	eSKS		16	44		
		E	S		17	11		
		NE	PS		17	23		
			PPS		17	54		
		E	M		51	48		Per. ≈ 19 secs
								μ ≈ 5
		N	M		52	33		Per. ≈ 19 secs
								μ ≈ 23
	PORT BLAIR	E	iS	21	16	29		Slight
	COLOMBO	E	SKS	21	17	20		
			L		49	08		
			M		55	20		Amp. ≈ 0.6 mm
12	SHILLONG	Z	iP	21	39	07		Slight, distant Compression
12	SHILLONG	Z	iP	21	45	15		Slight, distant Compression
	CHATRA	Z	i	21	45	25		Feeble, distant
12	SHILLONG	Z	iP	22	29	56		Slight, distant Compression
13	SHILLONG	Z	ePg	03	07	50		Slight
			e		07	57		
13	SHILLONG	Z	ePg	06	01	29		Slight
			e		01	35		
13	SHILLONG	Z	e	08	39	18		Slight, distant
13	SHILLONG	Z	e	08	41	53		Slight, distant
13	SHILLONG	Z	iP	11	10	59		Slight, distant compression
13	SHILLONG	Z	e	13	05	38		Slight, distant
13	SHILLONG	Z	ePg	13	38	23	250	Slight
			eSg		38	53		
13	SHILLONG	Z	e	19	33	01		Slight, near
			i		33	15		
13	SHILLONG	Z	ePg	21	06	09	110	Slight
			eSg		06	22		
13	SHILLONG	Z	eP	21	21	31		Slight, distant
14	SHILLONG	Z	iP	06	18	59		Slight, distant Compression

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	△ km	REMARKS
					June 1958			
14	SHILLONG	Z	iP	08	20	04		Slight, distant Compression
14	SHILLONG	Z	e	08	38	16		Slight, near
14	SHILLONG	Z	iP	09	00	56		Slight, distant Rarefaction
14	SHILLONG	Z	e	09	24	55		Tremor
14	CHATRA	Z	iP	10	26	07	170	Slight
			iS		26	28		
	SHILLONG	Z	e	10	26	38		Slight, distant
14	SHILLONG	Z	e	10	47	22		Slight, distant
14	SHILLONG	Z	e	10	51	24		Slight, distant
14	SHILLONG	Z	e	12	18	39		Slight, distant
14	SHILLONG	Z	i	12	28	13		Slight, near
14	SHILLONG	Z	e	13	56	30		Slight
14	SHILLONG	Z	iP	13	56	59		Slight, distant Compression
14	SHILLONG	Z	eP	15	58	08		Slight, near
14	CHATRA	Z	iPg	16	33	02	70	Feeble
			iSg		33	11		
14	SHILLONG	Z	eP	16	59	40		Slight, distant
14	SHILLONG	Z	e	17	00	40		Slight, distant
14	SHILLONG	Z	i	17	10	38		Tremor
14	SHILLONG	Z	iP	17	41	15		Slight, distant Compression
14	CHATRA	Z	iPg	18	10	22	40	Feeble
			iSg		10	27		
	SHILLONG	Z	eP	18	10	27		Slight, distant
14	SHILLONG	Z	iP	18	40	58		Slight, distant Compression
	CHATRA	Z	i	18	41	23		Feeble, near
14	SHILLONG	Z	iP	18	45	03		Slight, distant Compression
14	SHILLONG	Z	e	20	31	31		Tremor
14	SHILLONG	Z	eP	20	59	06		Slight, distant Compression
14	SHILLONG	Z	e	21	15	06		Tremor
14	SHILLONG	Z	eP	21	40	20		Slight, distant
14	SHILLONG	Z	e	22	01	36		Tremor
15	SHILLONG	Z	iP	00	23	03		Slight, distant Compression
15	SHILLONG	Z	e	02	54	06		Tremor
15	SHILLONG	Z	e	03	03	34		Slight, distant
15	SHILLONG	Z	eP	03	09	29		Slight, distant
15	SHILLONG	Z	e	05	29	05		Slight, distant
15	SHILLONG	Z	i	08	32	33		Slight, distant
15	SHILLONG	Z	ePg	08	52	32	140	Slight
			iSg		52	49		
15	SHILLONG	Z	e	10	55	44		Slight, distant
15	SHILLONG	Z	iPg	11	19	56	290	Slight, compression
			iSg		20	30		
15	SHILLONG	Z	iP	11	43	30		Slight, distant Compression
15	SHILLONG	Z	e	11	48	58		Tremor
15	SHILLONG	Z	e	12	02	23		Tremor
15	SHILLONG	Z	e	12	36	09		Tremor
15	SHILLONG	Z	eP	15	07	14		Slight, distant
15	CHATRA	Z	iP	15	11	55	4930	Slight
		NE	iS		18	30		
15	AGRA	N	iP	15	19	37	6150	Feeble
			iS		27	21		
	BOMBAY	N	e	15	20	07		Slight
			e		28	12		
15	SHILLONG	Z	iP	15	18	43		Slight, distant Compression
15	SHILLONG	Z	eP	17	31	48		Slight, distant
15	SHILLONG	Z	iPg	20	02	53	110	Slight, compression
			eSg		03	06		
15	SHILLONG	Z	i	20	28	41		Slight, distant
15	SHILLONG	Z	e	20	34	17		Tremor
15	DEHRA DUN	NE	e	21	04	45		Tremor
15	SHILLONG	Z	i	21	43	16		Tremor
15	SHILLONG	Z	e	22	15	00		Tremor
16	SHILLONG	Z	iP	01	22	37		Slight, distant Compression
16	SHILLONG	Z	iP	04	18	08		Slight, distant Compression
16	SHILLONG	Z	iP	07	26	17		Slight, distant Compression
16	SHILLONG	Z	i	07	28	39		Slight, distant
16	CHATRA	Z	i	07	29	04		Feeble, near
16	PORT BLAIR	E	e	09	11	16		Slight
16	SHILLONG	Z	iP	09	13	21		Slight, distant Compression
15	SHILLONG	Z	iP	09	23	46		Slight, distant Compression
15	SHILLONG	Z	eP	10	42	58		Slight, distant
15	CHATRA	Z	iP	11	06	44	180	Feeble
			i		07	05		
	SHILLONG	Z	e	11	07	19		Slight
16	SHILLONG	Z	iP	11	08	02		Slight, distant
16	SHILLONG	Z	iP	14	51	26		Slight, distant Rarefaction
16	SHILLONG	Z	e	14	58	41		Slight, distant
16	SHILLONG	Z	i	18	47	21		Slight, distant Compression
16	SHILLONG	Z	eP	19	18	13		Slight, near
			i		19	01		
16	SHILLONG	Z	eP	19	24	53		Slight, distant
16	TOCKLAI	E	e	21	10	21		Slight, near
			i		10	48		
	SHILLONG	Z	iP	21	10	47	560	Slight, rarefaction
			Pg		11	09		
			i		11	39		
			SS		11	56		
		ZE	Se		12	00		
		Z	SSS		12	08		
		ZE	Sg		12	13		
	CHATRA	Z	iP	21	11	34	1320	Slight
			iS		13	49		
16	SHILLONG	Z	eP	23	32	28		Slight, distant
17	SHILLONG	Z	e	00	00	51		Slight, distant
17	SHILLONG	Z	iP	00	35	06		Slight, distant Rarefaction

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					June 1958			
17	SHILLONG	Z	e	08	21	35		Slight, distant
17	SHILLONG	Z	iP	11	35	45		Slight, distant Compression
17	SHILLONG	Z	ePg	14	10	58		Slight, local
			eSg		11	05		
17	SHILLONG	Z	iP	15	15	37		Slight, distant Rarefaction
17	CHATRA	Z	iP	15	16	10	150	Feeble
			iS		16	29		
17	CHATRA	Z	i	17	01	20		Feeble, distant
	SHILLONG	Z	eP	17	02	54		Slight, distant
17	SHILLONG	Z	e	18	30	08		Tremor
17	SHILLONG	Z	iP	18	40	35		Slight, distant Rarefaction
17	Epic: 25°N, 142½°E. Volcano Islands. -h about 60 km -H= 19h 06m 48s G.M.T(U.S.C.G.S)							
	TOCKLAI	E	iP	19	14	42		Slight, first movement West
	SHILLONG	ZE	iP	19	15	00		Slight, compression
		N	i(S)		21	37		
		E	i		21	40		First movement West.
	CHATRA	Z	iP	19	15	33		Slight
		E	i		17	41		
	DEHRA DUN	NE	eP	19	16	27		Tremor
17	SHILLONG	Z	e	21	05	03		Slight, distant
17	SHILLONG	Z	iP	21	51	44		Slight, distant Compression
18	SHILLONG	Z	e	03	03	40		Tremor
18	DEHRA DUN	NE	e	08	47	41		Feeble. Phases not clear
			i		49	07		
	SHILLONG	Z	iP	08	49	57		Slight, distant Rarefaction
18	SHILLONG	Z	i	15	15	52		Tremor
18	SHILLONG	Z	eP	16	26	22		Slight, distant
18	SHILLONG	Z	e	17	25	47		Slight, distant
19	SHILLONG	Z	e	02	38	47		Slight, near
19	SHILLONG	Z	ePg	03	33	31	210	Slight
			eSg		33	56		
19	Epic: 49½°N, 156°E. Kuzile Islands -H= 05h 18m 00s G.M.T.(U.S.C.G.S) Mags: 6¾ (Pasadena), 6-6¾ (Berkeley).							
	SHILLONG	Z	iP	05	27	28		Slight
		NE	ePg					rarefaction
			i		37	36		
		N	Mn		48	--		Per.=18.7 secs
								μ = 16.5
			Mn		53	--		Per.=15 secs
								μ = 7.2
	CHATRA	Z	iP	05	27	48		Slight
		NE	i		38	00		
	DEHRA DUN	NE	eP	05	28	15		Moderate
		N	e		33	26		
			i		38	19		
			e		43	24		
			e		49	17		
			e		54	03		
			M	06	00	50		
	HYDERABAD	E	eP	05	29	11	7510	Slight
			eS		38	08		
			PPS		38	50		
			SKS1		39	28		
			M		57	20		Per.=18 secs
								μ = 9
19	BOMBAY	NE	e	05	38	16		Moderate
			e		39	26		
		N	e		39	47		
			e		42	04		
		NE	e		51	32		
		N	M		57	28		Per.=23 secs
								μ=19
		E	M	06	03	37		Per.=19 secs
								μ =3
	COLOMBO	E	S	05	39	30		
			L	06	04	05		
			M		08	15		Amp.=0.2 mm
19	CHATRA	Z	iP	07	07	53	210	Slight
		ZNE	iS		08	18		
19	SHILLONG	Z	e	12	41	23		Slight, near
			i		41	29		
			i		41	58		
19	SHILLONG	Z	eP	13	46	43		Slight, distant
19	SHILLONG	Z	e	16	48	30		Slight, local
19	Epic: 52½°S, 140°E. South of Tasmania -H= 18h 02m 15s G.M.T.(U.S.C.G.S)							
	SHILLONG	Z	eP	18	15	10		Slight
	CHATRA	Z	i	18	15	31		Feeble
19	SHILLONG	Z	e	19	08	16		Slight, near
19	CHATRA	Z	iPg	19	09	08	20	Feeble
			iSg		09	10		
19	CHATRA	Z	iPg	19	09	32	40	Feeble
			iSg		09	37		
	SHILLONG	Z	e	19	09	59		Slight
19	SHILLONG	Z	e	23	43	53		Slight, near
			i		44	23		
20	SHILLONG	Z	e	00	02	53		Slight, local
20	SHILLONG	Z	eP	00	41	30		Slight, distant
20	SHILLONG	Z	i	00	45	15		Slight, distant
20	SHILLONG	Z	e	09	41	53		Slight, near
20	SHILLONG	Z	e	11	42	39		Slight, distant
20	SHILLONG	Z	i	19	23	51		Slight, distant
21	CHATRA	Z	iPg	06	02	25	20	Feeble
			iSg		02	27		
21	CHATRA	Z	iP	06	02	31	250	Feeble
			iS		03	00		
21	DEHRA DUN	NE	e	10	49	55		Feeble, phases not clear
			i		51	20		
	CHATRA	Z	i	10	51	47		Feeble, distant
	SHILLONG	Z	eP	10	52	27		Slight, distant
21	SHILLONG	Z	eP	15	38	32		Slight, distant
21	SHILLONG	Z	e	23	15	30		Slight, local
22	SHILLONG	Z	iP	05	06	18		Slight, distant Compression
22	SHILLONG	Z	eP	05	36	21		Slight, distant
22	SHILLONG	Z	e	09	48	36		Slight, local
22	SHILLONG	Z	e	11	03	16		Slight, near
22	SHILLONG	Z	eP	14	26	37		Slight, distant
22	SHILLONG	Z	i	14	31	58		Tremor
22	CHATRA	Z	iP	14	43	05	160	Feeble
			iS		43	25		
22	SHILLONG	Z	i	16	29	57		Slight, distant
22	SHILLONG	Z	e	17	17	02		Slight, near
			e		17	10		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	△ km	REMARKS
25	Epc: 3°S, 144½°E. North Coast of New Guinea - H = 09h 36m 30s G.M.T. (U.S.C.G.S) Mag= 6¼ - 6½ (Pasadena)							
	PORT BLAIR	N	eP	09	45	57	5320	Moderate
			PcP		47	17		
			ScP		50	59		
			eS		52	54		
	TOCKLAI	E	eP	09	46	31		Slight
	SHILLONG	ZE	iP	09	46	32		Moderate, compression
		N	iP		46	35		First movement
		E	iS		54	41		North and West
	CALCUTTA	E	iP	09	46	47	6580	Moderate
			PcP		47	36		First movement
			PP		48	54		East.
			iS		54	54		
			PPS		55	16		
	CHATRA	ZNE	iP	09	47	03	7220	Slight
		NE	i		55	45		
	BOKARO	NE	iP	09	47	07	7060	Moderate. Other phases unidentifiable due to overlapping of phases.
		N	iS		55	40		
	MADRAS	E	iP	09	47	23	7370	Moderate
			PcP		47	51		
			PP		49	53		
			PPP		51	21		
			PcS		52	02		
			iS		56	12		
			PS		56	32		
			PPS		56	55		
			ScS		57	12		
			SS	10	00	11		
			SSS		03	27		
			Lq		04	18		
			Lr		07	23		
			M		12	10		
	HYDERABAD	E	iP	09	47	39	7510	Moderate. First movement West
			PcP		48	00		
			PP		49	54		
			PPP		51	45		
			PcS		52	01		
			iS		56	36		
			PS		56	54		
			SKS		57	45		
			SS	10	00	57		
			Lq		05	22		
			Lr		08	39		
			M		14	12		Per.=21 secs A =19
	KODAIKANAL	E	iP	09	47	39	7620	Moderate. First movement East.
			PP		50	12		
			iS		56	42		
			PPS		57	24		
			SS	10	01	03		
			Lr		08	44		
			M		14	36		Per.=20 secs A =9.7
	AGRA	ZNE	iP	09	47	52	7960	Great. Compression. First movement North and West.
		ZE	iPcP		48	16		
		ZN	i?		48	26		
			iPP		50	32		
		ZE	iPPP		52	10		
		ZNE	iS		57	11		
			iPS		57	34		
		ZN	PPS		57	54		
		ZNE	SKS, ScS		58	10		
		N	i?		59	16		
			i?	10	00	50		
		ZE	i?		01	20		
		ZNE	iSS		01	50		
		Z	iSSS		04	54		
			Lq		06	30		
		ZE	i?		08	38		
		NE	Lr		09	28		
		ZNE	M		14	32		Per.=24 secs Amp.=92.0 mm
	DEHRA DUN	NE	eP	09	48	04	7930	Moderate
		N	PP		50	49		
			PPP		52	23		
			iS		57	22		
			SS	10	01	55		
25 Contd.	DEHRA DUN Contd.	N	SSS	10	04	24		
			Lq		06	08		
			Lr		10	09		
			M		15	46		
	BOMBAY	E	eP	09	48	15	8170	Moderate
		NE	PcP		48	22		
		E	PP		50	58		
		N	PP		51	18		
		NE	PPP		52	44		
			eS		57	45		
		E	SKS		57	57		
		NE	ScS		58	10		
			PS		58	23		
			PPS		58	40		
			SS	10	02	29		
			SSS		05	11		
		N	Lr		10	52		
			M		17	32		Per.=19 secs A =16
		E	M		21	32		Per.=23 secs A = 9
25	PORT BLAIR	N	iPg	12	06	51	50	Slight
			iSg		06	57		
25	SHILLONG	Z	iP	12	54	42		Slight, distant Compression
	CHATRA	Z	i	12	55	12		Feeble, distant
25	SHILLONG	Z	ePg	15	01	15	70	Slight
			iSg		01	23		
25	SHILLONG	Z	iP	15	04	31		Slight, distant Compression
25	SHILLONG	Z	iP	17	14	59		Slight, distant Rarefaction
25	SHILLONG	Z	ePg	18	29	56	100	Slight, locally felt. First movement East
		E	iPg					
			iSg		30	08		
	CHATRA	Z	iP	18	30	35	530	Slight
		ZNE	iS		31	31		
	TOCKLAI	E	e	18	32	03		Slight, near
			i		32	17		
25	SHILLONG	Z	iP	20	46	44		Slight, distant Compression
25	SHILLONG	Z	i	22	47	03		Tremor
25	SHILLONG	Z	iP	22	58	55		Slight, distant Compression
25	Epc: 52°N, 152½°E. Sea of Okhotsk - h about 450 km - H = 23h 24m 08s G.M.T. (U.S.C.G.S)							
	SHILLONG	Z	iP	23	32	34		Slight, rarefaction
	CHATRA	Z	i	23	32	51		Feeble
25	SHILLONG	Z	eP	23	58	29		Slight
	CHATRA	Z	i	23	58	43		Feeble
26	SHILLONG	Z	ePg	00	03	07		Slight, local
			i		03	08		
26	CHATRA	Z	iPg	01	57	50	70	Feeble
			iSg		58	00		
2	Epc: 54½°N, 159½°E. Kamchatka, Slightly deeper than normal. - H = 04h 38m 12s GMT Magnitude: 6¼ - 6½ (Pasadena)							
	SHILLONG	E	iP	04	47	41		Slight; Benioff not in operation
			i		56	42		
	CHATRA	Z	iP	04	48	08	3050	Slight
		NE	i		52	43		
	DEHRA DUN	NE	eP	04	48	28	6480	Feeble, phases not clear
			iS		56	30		
26	CHATRA	Z	iP	07	46	17	140	Slight
			iS		46	35		

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DATE	STATION	COMPT	PHASE	G.M.T. h. m. s.	Δ km	REMARKS
26	DEHRA DUN	NE	e	23 39 03		Feeble
			i	46 31		
27	SHILLONG	Z	e	04 06 31		Slight, distant
27	SHILLONG	Z	e	04 11 28		Slight, distant
27	SHILLONG	Z	e	06 03 50		Slight, distant
27	SHILLONG	Z	iP	06 07 28		Slight, distant Compression
27	SHILLONG	Z	i	07 00 05		Slight, distant
27	SHILLONG	Z	i	07 15 31		Tremor
27	SHILLONG	Z	iP	17 41 15		Slight, distant Compression
27	SHILLONG	Z	ePg	18 10 45		Slight, distant
27	CHATRA	Z	i	18 41 25		Feeble, near
27	CHATRA	Z	i	21 42 42		Feeble, distant
28	CHATRA	Z	i	01 31 39		Feeble, near
28	SHILLONG	Z	ePg	03 31 07	130	Slight
			eSg	31 22		
	CHATRA	Z	iP	03 31 47	450	Slight
			iS	32 36		
28	SHILLONG	Z	e	11 26 57		Slight, distant
28	SHILLONG	Z	ePg	11 46 42	220	Slight
			eSg	47 08		
28	SHILLONG	Z	eP	11 48 17		Slight, distant
28	SHILLONG	Z	e	13 26 13		Slight, near
			i	26 21		
			e	26 49		
	CHATRA	Z	i	13 28 30		Feeble, distant
28	DEHRA DUN	NE	e	16 45 49		Tremor
28	DEHRA DUN	NE	e	16 47 39		Tremor
28	SHILLONG	Z	iP	19 40 58		Slight, compression
	CHATRA	Z	i	19 41 23		Feeble
28	SHILLONG	Z	i	20 09 28		Tremor
28	CHATRA	Z	iP	20 21 00	430	Slight
		ZNE	iS	21 47		
	SHILLONG	Z	iP	20 21 33		Slight, distant Compression
28	CHATRA	Z	iPg	23 42 37	50	Feeble
			iSg	42 44		
28	CHATRA	Z	iPg	23 57 20	20	Feeble
			iSg	57 23		
29	SHILLONG	Z	e	05 51 42		Slight, distant
29	SHILLONG	Z	e	06 14 31		Slight, distant
29	SHILLONG	Z	i	07 12 51		Tremor
29	SHILLONG	Z	iP	09 44 55		Slight, rarefaction
	CHATRA	Z	i	09 45 33		Feeble
29	SHILLONG	Z	iP	10 28 07	780	Slight
			i	28 12		
		ZE	PP	28 15		
		Z	PPP	28 21		
			Ps	28 24		
		ZE	S	29 26		
		Z	i	29 34		
			SS	29 38		
			i	29 42		
			i	29 47		
	TOCKLAI	E	eP	10 28 11		Slight
	CHATRA	Z	iP	10 28 15	670	Slight
		E	iS	29 25		
29	SHILLONG	Z	e	16 33 32		Slight, near
			e	34 25		
29	SHILLONG	Z	iP	23 22 38		Slight, distant Compression
29	SHILLONG	Z	e	23 28 37		Slight, distant
30	SHILLONG	Z	iP	02 21 06		Slight, distant Compression
30	SHILLONG	Z	iP	02 23 57		Slight, distant Compression
30	SHILLONG	Z	iP	08 12 09		Slight, distant Rarefaction
30	DEHRA DUN	NE	e	08 49 32		Feeble
	CHATRA	Z	iP	08 51 37	5510	Slight
		NE	iS	58 45		
30	PORT BLAIR	E	eP	11 20 58	430	Slight
			Pg	21 15		
			Lg	21 43		
			S	21 55		
			Sg	22 20		
30	SHILLONG	Z	eP	16 52 46		Slight, distant
30	Epc: 31°N, 141½°E. - H: 18h 26m 20s					South of Honsu, Japan G.M.T. (U.S.C.G.S)
	TOCKLAI	E	eP	18 34 09		Slight
	SHILLONG	Z	iPg	18 34 26	3140	Slight, compression
		NE	ePg			
		NE	eS	41 07		
	CHATRA	Z	iP	18 34 55		Feeble
	BOKAPO	NE	eP	18 35 06		Phases not properly developed
	CALCUTTA	E	e	18 35 17		Slight
			e	41 59		
	DEHRA DUN	NE	eP	18 35 49		Slight
		N	e	39 10		
			i	43 41		
			e	47 39		
			e	49 38		
			Lr	52 33		
			M	57 10		
	AGRA	E	eP	18 35 52	6090	Moderate
			PcP	36 50		
			PP	37 55		
			PPP	39 01		
			eS	43 32		
			PPS	43 52		
			SS	47 04		
			SSS	49 00		
			Lg	49 17		
			Lr	52 13		
			M	57 21		Per. ± 15 secs Amp. ± 18.0 mm
	PORT BLAIR	E	i	18 43 37		Slight
	BOMBAY	N	e	18 44 21		Slight. Phases lost in microseism.
			e	46 41		
		NE	e	56 15		
		N	e	19 02 10		
			M	06 25		Per. ± 12 secs μ ± 3
30	TOCKLAI	E	e	19 56 15		Slight, distant
30	SHILLONG	Z	iP	21 56 27		Slight, distant

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Earthquake Reports
(Non Instrumental reports)

The following table contains a list of earthquakes that were reported by Voluntary Observers from various stations during the month of June 1958.

Place at which felt	Date	Time at which felt G.M.T.	Duration in secs	Intensity in E.F. scale	No.of shocks	Remarks
		h. m.				
SHILLONG	25	18 29	About 20	IV	One	
GAUHATI	25	18 28	10 - 15	IV	One	

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MICROSEISMIC TABULATION

Station: HOWRAH Component: Vertical June 1958

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
01	00	-	1.0	2.8
	06	-	0.8	2.9
	12	-	1.0	2.6
	18	-	1.1	3.5
			0.9	2.9
02	00	-	0.8	3.0
	06	-	-	-
	12	-	1.4	3.4
	18	-	1.3	3.2
03	00	-	0.9	3.2
	06	-	1.1	3.2
	12	-	2.0	3.8
	18	-	1.4	3.4
04	00	-	1.2	3.3
	06	-	1.7	3.3
	12	-	-	-
	18	-	1.4	3.0
05	00	-	1.1	3.3
	06	-	1.1	3.1
	12	-	1.4	3.0
	18	-	1.2	2.8
06	00	-	1.4	3.6
	06	-	1.6	2.9
	12	-	2.1	3.0
	18	-	1.7	3.1
07	00	-	1.1	3.4
	06	-	1.7	3.1
	12	-	1.9	3.9
			1.5	2.9
	18	-	1.3	2.9
08	00	-	1.8	4.3
			1.1	3.3
	06	-	2.5	4.8
			1.8	3.1
	12	-	-	-
	18	-	1.5	3.7
			1.3	2.7
09	01	-	1.4	3.8
	02	-	1.4	3.6
	03	-	1.2	3.7
	04	-	1.4	3.5
	05	-	1.5	3.5
	06	-	-	-
	07	-	1.8	3.9
	08 to 13 hrs. no record			
	14	-	1.1	3.5
	15	-	1.2	3.6
	16	-	1.4	3.4
	17	-	1.4	3.6
	18	-	-	-
	19	-	1.3	3.4
	20	-	1.9	3.4
	21	-	1.5	3.8
	22	-	1.2	4.0
	23	-	1.4	3.9
10	00	-	1.2	3.6
			0.9	2.7
	06	-	1.5	3.2
	12	-	1.7	3.4
	18	-	0.9	2.9
11	00	-	1.1	3.0
	06	-	2.2	3.5
	12	-	1.1	2.7
	18	-	1.1	3.0
12	00	-	1.2	3.2
	06	-	1.8	3.6
	12	-	1.5	2.9
	18	-	1.6	3.4
13	00	-	1.4	3.5
	06	-	1.5	3.6
	12	-	1.8	3.9
	18	-	1.4	2.4
14	00	-	1.3	3.4
	06	-	-	-
	12	-	1.4	2.8
	18	-	1.4	3.6
15	00	-	1.1	3.0
	06	-	1.4	3.2
	12	-	1.3	3.2
	18	-	1.2	4.5
16	00	-	1.6	4.0
			1.1	2.9
	06	-	1.3	3.4
	12	-	-	-
	18	-	1.0	3.0
17	01	-	1.0	3.0
	02	-	1.2	3.0
	03	-	1.3	3.1
	04	-	1.3	3.2
	05	-	1.4	3.2
	06	-	-	-
	07	-	2.3	3.1
	08	-	2.2	3.2
	09	-	1.8	3.1
	10	-	2.9	3.0
	11	-	2.4	3.0
	12	-	-	-
	13	-	2.1	2.9
	14	-	2.2	3.0
	15	-	1.8	3.1
	16	-	1.6	3.0
	17	-	1.5	3.2
	18	-	-	-
	19	-	1.3	3.1
	20	-	1.4	3.3
	21	-	1.1	3.5
	22	-	1.2	3.2
	23	-	1.6	3.0
18	01	-	2.1	2.9
	02	-	1.8	3.0
	03	-	1.8	3.3
	04	-	1.8	3.0
	05	-	1.8	3.2
	07	-	1.8	3.1
	08	-	1.8	3.3
	09	-	2.3	3.1
	10	-	2.5	3.1
	11	-	2.4	3.9
	12	-	-	-
	13	-	2.4	3.3
	14	-	2.2	3.2
	15	-	2.6	3.3
	16	-	2.4	3.2
	17	-	2.5	3.1
	18	-	-	-
	19	-	2.5	3.1
	20	-	2.6	3.3
	21	-	2.4	3.1
	22	-	1.8	3.2
	23	-	1.5	3.3
19	00	-	1.7	3.3
	06	-	2.9	3.4
	12	-	2.5	3.1
	18	-	1.9	3.2
20	00	-	2.0	3.0
	06	-	2.5	3.1
	12	-	2.2	3.0
	18	-	2.2	3.2
21	00	-	1.8	3.3
	06	-	2.1	2.7
	12	-	2.3	3.1
	18	-	2.3	3.9
			2.0	2.7
22	00	-	1.7	4.2
			1.2	3.2
	06	-	2.3	4.4
			2.0	3.3
	12	-	2.1	4.3
			1.5	3.5
	18	-	1.4	3.5
23	00	-	1.4	3.6
	06	-	1.5	3.5
	12	-	1.9	3.7
	18	-	1.8	3.4
24	01	-	1.8	4.0
	02	-	1.4	3.9
	03	-	1.8	3.8
	04	-	1.9	3.7
	05	-	-	-
	06	-	-	-
	07	-	1.5	3.8
	08	-	1.3	3.5
	09	-	1.4	3.9
	10	-	1.3	4.0
	11	-	1.6	4.0
	12	-	-	-
	13	-	1.6	4.2
	14	-	1.5	4.2
	15	-	1.4	3.9
	16	-	1.4	3.9
	17	-	1.5	3.8
	18	-	-	-
	19	-	1.1	3.7
	20	-	1.2	4.0
	21	-	1.5	3.9
	22	-	1.4	4.0
	23	-	1.3	4.0
25	00	-	1.3	4.0
	06	-	1.5	3.4
	12	-	1.9	4.0
	18	-	1.2	4.3
			0.9	3.2
26	00	-	1.1	3.6
	06	-	1.5	3.8
	12	-	1.0	3.8
	18	-	1.1	3.7
27	00	-	1.0	3.4
	06	-	1.0	3.3
	12	-	1.3	3.4
	18	-	1.4	3.9
28	00	-	1.3	3.1
			1.2	2.6
	06	-	1.5	3.4
	12	-	1.6	3.0
	18	-	1.0	3.6
29	00	-	1.4	3.3
	06	-	1.5	3.3
	12	-	1.5	3.2
	18	-	1.5	4.2
			1.3	3.5
30	00	-	1.0	3.0
	06	-	1.5	3.1
	12	-	1.5	2.9
	18	-	-	-

Component : N.S.

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
01	00	-	2.3	2.9
	06	-	2.1	2.9
	12	-	2.3	2.7
	18	-	1.8	2.7
02	00	3	2.0	2.6
			2.1	3.3
	06	-	2.0	3.6
	12	-	1.9	3.3
	18	-	2.1	3.5
03	00	-	1.8	2.9
	06	-	2.3	3.8
			2.1	3.1
	12	-	2.1	3.8
			2.5	3.1
	18	-	2.0	3.2
			1.6	2.9
04	00	-	1.9	3.9
			2.7	3.0
	06	-	2.3	3.5
04 Contd.	12	-	2.3	3.9
			2.3	3.8
	18	-	2.3	3.3
			2.0	2.8
05	00	-	2.2	3.2
	06	-	2.7	3.8
			2.0	2.5
	12	-	2.4	4.1
			3.0	3.1
	18	-	2.6	2.8
06	00	-	2.4	3.8
	06	-	3.0	3.0
	12	-	2.1	3.8
	18	-	2.3	4.1
			2.5	3.2
07	00	-	1.9	3.5
	06	-	2.7	3.9
			2.1	2.5
	12	-	2.2	3.4
	18	-	2.7	3.0
08	00	-	2.4	3.3
	06	-	3.4	3.8
			3.1	3.1
	12	-	2.0	3.5
	18	-	2.4	4.0
			2.0	2.8
09	01	-	2.0	4.0
	02	-	2.4	4.1
	03	-	2.0	3.5
	04	-	1.9	3.3
	05	-	1.9	3.1
	06	-	-	-
	07	-	2.4	3.8
	08	-	4.3	4.9
	09	-	2.8	4.0
	10	-	2.3	3.6
	11	-	2.3	3.9
	12	-	-	-
	13	-	2.4	3.9
	14	-	2.6	4.1
	15	-	2.1	3.8
	16	-	2.7	3.8
	17	-	2.3	3.5
	18	-	-	-
	19	-	2.5	3.2
	20	-	2.6	4.1
	21	-	3.4	3.8
	22	-	2.4	3.3
	23	-	2.5	3.2
10	00	-	2.3	3.5
	06	-	2.7	3.7
	12	-	1.9	4.8
			3.1	3.1
	18	-	3.9	4.7
			2.2	2.9
11	00	-	1.9	3.7
			1.8	2.6
	06	-	2.6	2.9
	12	-	2.5	3.8
	18	-	2.0	2.8
12	00	-	2.7	3.2
	06	-	2.6	3.4
	12	-	2.1	2.8
	18	-	2.5	4.3
			2.2	3.4
13	00	-	2.5	4.0
			2.5	3.2
	06	-	2.5	3.6
	12	-	2.3	2.8
	18	-	2.4	2.3
14	00	-	1.8	2.7
	06	-	2.6	4.1
	12	-	3.9	4.7
			2.8	2.6
	18	-	2.8	4.0
			1.9	3.2

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs

Component: N.S. Station : HOWRAH June 1958

15	00	-	1.9	2.8
	06	-	2.3	3.9
	12	-	2.4	4.3
			2.1	3.5
	18	-	2.9	4.6
16	00	-	2.4	4.2
			1.7	2.9
	06	-	4.3	5.1
			3.4	4.2
	12	-	3.0	4.0
			2.2	3.0
	18	-	3.1	4.1
			2.4	2.9
17	00	-	-	-
	01	-	2.4	2.9
	02	-	2.8	3.0
	03	-	3.1	3.1
	04	-	2.1	3.1
	05	-	3.4	3.2
	06	-	-	-
	07	-	2.6	3.0
	08	-	2.7	3.1
	09	-	2.5	2.9
	10	-	2.4	2.9
	11	-	3.1	3.1
	12	-	-	-
	13	-	3.5	3.1
	14	-	3.5	3.0
	15	-	3.2	3.1
	16	-	3.5	3.2
	17	-	3.1	3.3
	18	-	-	-
	19	-	2.1	2.9
	20	-	3.2	2.8
	21	-	3.3	3.0
	22	-	3.1	3.3
	23	-	3.9	2.9
18	00	-	-	-
	01	-	3.8	2.9
	02	-	3.1	2.8
	03	-	3.8	2.9
	04	-	4.3	3.1
	05	-	3.8	2.9
	06	-	-	-
	07	-	3.4	3.0
	08	-	3.9	4.0
			3.8	2.9
	09	-	4.1	3.0
	10	-	4.2	3.1
	11	-	3.5	3.2
	12	-	-	-
	13	-	4.1	3.3
	14	-	4.5	3.2
	15	-	4.7	3.2
	16	-	4.3	3.1
	17	-	4.3	4.3
			3.1	2.8
	18	-	-	-
	19	-	3.9	2.6
			3.0	4.0
	20	-	4.5	3.2
	21	-	4.7	3.2
	22	-	3.8	2.9
	23	-	3.2	2.8
19	00	-	4.8	3.9
			3.1	2.8
	06	-	4.1	3.3
			4.1	2.5
	12	-	5.4	3.8
	18	-	5.4	4.0
			3.4	2.9
20	00	-	3.8	2.9
	06	-	4.1	2.8
	12	-	2.4	2.7
	18	-	3.0	2.8
21	00	-	3.3	3.0
	05	-	3.9	2.9
	12	-	3.4	3.8
			3.4	2.9
	18	-	3.9	4.0
			3.2	3.1
22	00	-	3.3	4.0
	06	-	2.8	3.8
	12	-	2.4	3.8
	18	-	2.5	3.4
23	00	-	2.5	3.8
	06	-	2.1	2.5
			3.3	3.6
	12	-	2.7	4.2
			2.4	3.2
	18	-	2.7	3.5
24	00	-	-	-
	01	-	3.6	4.1
	02	-	3.4	4.2
	03	-	2.6	3.5
			3.2	4.4
	04	-	3.5	4.0
	05	-	-	-
	06	-	-	-
	07	-	3.6	4.1
	08	-	2.9	4.0
	09	-	2.9	3.8
	10	-	3.2	4.4
			2.2	3.2
	11	-	2.9	3.8
	12	-	-	-
	13	-	3.7	4.0
	14	-	2.9	4.0
	15	-	3.4	3.8
	16	-	2.5	4.1
	17	-	2.3	3.9
	18	-	-	-
	19	-	2.7	3.8
	20	-	2.6	4.1
	21	-	2.4	3.9
	22	-	2.5	3.9
	23	-	2.7	4.0
25	00	-	2.5	3.9
	06	-	4.0	4.7
			3.2	3.5
	12	-	3.1	4.4
	18	-	2.5	4.4
			1.6	3.1
26	00	-	2.6	3.9
	06	-	2.2	3.2
	12	-	3.1	5.0
			2.5	3.9
	18	-	2.4	4.4
27	00	-	2.4	4.5
			2.2	3.0
	06	-	2.7	4.6
	12	-	2.3	2.9
	18	-	1.5	3.7
			1.8	2.8
28	00	-	3.4	4.2
			2.6	2.8
	06	-	2.7	3.7
	12	-	2.8	3.6
	18	-	2.3	4.1
29	00	-	2.2	3.4
			1.8	2.6
	06	-	2.2	3.4
	12	-	2.6	3.1
	18	-	3.8	4.8
			2.5	3.7
30	00	-	2.5	2.8
	06	-	4.2	4.4
			3.6	3.5
	12	-	4.5	2.9
	18	-	3.7	3.1

Component : E.W.

01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.7	2.9
02	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.0	3.6
03	00	-	1.9	3.5
	06	-	-	-
	12	-	-	-
	18	3	2.0	3.5
			1.7	2.8
04	00	-	1.7	3.4
	06	-	-	-
	12	-	-	-
	18	-	2.4	3.3
05	00	3	1.8	3.6
			2.9	2.8
	06	-	-	-
	12	-	-	-
	18	3	2.4	3.8
			1.8	2.7
06	00	3	2.5	4.2
			2.3	3.5
	06	-	-	-
	12	-	-	-
	18	3	2.4	4.3
			2.3	3.2
07	00	-	2.7	4.1
	06	-	-	-
	12	-	-	-
	18	-	1.8	3.1
08	00	-	1.5	3.6
	06	-	-	-
	12	-	2.1	4.5
			2.8	3.7
	18	-	1.7	4.3
			1.7	3.2
09	01	-	2.4	3.8
	02 to 15 hrs. no record			
	16	-	2.1	4.0
	17	-	2.3	3.9
	18	-	-	-
	19	3	1.7	2.9
			2.1	4.0
	20	-	2.3	3.9
	21	-	2.0	4.0
	22	-	2.8	4.2
	23	-	1.8	4.0
10	00	-	2.3	3.9
	06	-	-	-
	12	-	-	-
	18	-	2.1	3.5
			1.7	2.5
11	00	3	2.1	4.0
			2.0	3.1
	06	-	-	-
	12	-	-	-
	18	-	1.8	3.2
			2.3	4.1
12	00	-	2.1	3.0
	06	-	-	-
	12	-	-	-
	18	-	1.6	3.2
			2.3	4.1
13	00	-	1.5	4.1
	06	-	-	-
	12	-	-	-
	18	-	2.1	2.4
14	00	-	2.8	4.5
	06	-	-	-
	12	-	-	-
	18	-	2.4	3.5
15	00	-	2.3	4.5
			1.7	3.2
	06	-	-	-
	12	-	-	-
	18	-	2.6	4.4
16	00	-	1.5	3.2
	06	-	-	-
	12	-	-	-
	18	-	2.0	3.2
17	01	-	2.0	3.2
	02	-	2.6	3.0
	03	-	2.5	2.9
	04	-	3.4	3.3
	05	-	3.4	3.0
	06	-	-	-
	07	-	2.3	3.1
	08	-	2.5	2.9
	09	-	1.7	3.4
	10	-	3.0	3.1
	11	-	3.4	3.0
	12	-	-	-
	13	-	3.4	3.0
	14	-	3.2	2.9
	15	-	2.4	3.0
	16	-	2.3	3.9
	17	-	2.1	3.0
	18	-	-	-
	19	-	1.7	3.0
	20	-	3.0	3.1
	22	-	1.6	3.1
	23	-	2.5	2.9
18	01	-	2.1	4.0
	02	-	1.6	3.2
	03	-	2.6	3.3
	04	-	2.4	3.3
	05	-	1.7	3.4
	06	-	-	-
	07	-	2.7	3.0
	08	-	3.0	3.1
	09	-	3.3	3.5
	10	-	2.3	3.4
	11	-	3.0	3.9
	12	-	-	-
	13	-	2.4	3.0
	14	-	3.2	2.9
	15	-	3.4	3.0
	16	-	2.9	2.9
	17	-	3.2	2.9
	18	-	-	-
	19	-	3.9	2.8
	20	-	3.0	3.1
	21	-	2.3	3.4
	22	-	3.3	3.5
	23	-	2.3	3.1
19	00	-	3.0	3.1
	06	-	3.5	3.4
	12	-	3.8	3.4
	18	-	5.7	3.9
20	00	-	3.5	3.8
			3.2	2.9
	06	-	3.6	3.0
	12	-	3.7	4.0
			3.4	3.9
	18	-	3.4	3.5
21	00	-	4.2	4.1
	06	-	3.8	3.3
	12	-	3.8	3.4
	18	-	4.0	3.8
			2.0	2.8
22	00	-	4.5	5.3
			3.5	4.0
	06	-	1.7	3.0
	12	-	4.5	5.1
			3.6	4.1
	18	-	3.1	3.7
23	00	-	3.7	5.2
			2.2	3.3
	06	-	1.9	3.2
	12	-	3.1	3.7
	18	-	3.6	4.4
			2.4	3.6
24	01		3.6	4.5
	02	-	2.8	4.2
	03	-	2.6	4.1

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
Station : HOWRAH Compt. : E. W.				
24	04	-	2.4	4.2
Contd	05	-	-	-
	06	-	-	-
	07	-	2.5	4.1
	08	-	2.1	4.0
	09	-	3.0	4.1
	10	-	2.6	4.1
	11	-	1.8	4.0
	12	-	-	-
	13	-	2.7	4.1
	14	-	2.1	4.0
	15	-	2.2	4.4
	16	-	2.4	4.3
	17	-	2.8	4.2
	18	-	-	-
	19	-	2.4	4.3
	20	-	2.5	4.2
	21	-	2.2	4.0
	22	-	2.7	4.1
	23	-	1.8	4.0
25	00	-	2.1	4.0
	06	-	-	-
	12	-	3.5	4.4
	18	-	2.9	4.3
26	00	-	2.2	4.5
	06	-	2.8	3.9
	12	-	2.6	4.1
	18	-	2.4	4.3
27	00	-	2.8	3.9
	06	-	2.7	4.1
	12	-	2.8	4.2
	18	-	2.6	3.6
28	00	-	3.6	5.3
			2.6	3.0
	06	-	3.8	5.6
	12	-	3.3	5.2
	18	-	3.8	5.2
29	00	-	2.8	4.8
	06	-	4.0	5.7
			2.3	3.6
	12	-	2.5	3.4
	18	-	2.8	6.0
			2.5	3.8
30	00	-	2.8	3.8
			1.9	2.5
	06	-	2.7	3.5
	12	-	3.4	3.8
			2.6	2.9
	18	-	3.3	4.1
			2.9	3.1
Station: PORT BLAIR Compt. E.W.				
01	00	1	1.2	7.5
	06	1	0.8	7.5
	12	1	0.8	7.5
	18	1	1.3	7.5
02	00	-	-	-
	06	-	-	-
	12	3	-	-
	18	3	-	-
03	00	3	-	-
	06	3	-	-
	12	3	-	-
	18	3	-	-
04	00	3	-	-
	06	3	-	-
	12	-	-	-
	18	-	-	-
05	00	-	-	-
	06	3	-	-
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
Compt. : E.W. June 1958				
07	00	-	-	-
	06	3	-	-
	12	-	-	-
	18	-	-	-
08	00	-	-	-
	06	2	2.0	3.1
	12	2	2.0	3.0
	18	2	2.0	3.0
09	00	1	0.8	3.8
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	2	0.8	3.0
	13	2	1.2	3.3
	14	2	1.6	3.3
	15	2	1.6	3.8
	16	2	2.0	3.8
	17	2	2.0	3.8
	18	2	2.0	3.8
	19	2	2.0	3.8
	20	2	2.0	3.8
	21	2	0.8	3.8
	22	2	0.4	3.8
	23	2	0.7	3.8
10	00	-	-	-
	06	-	-	-
	12	3	2.0	3.0
			0.8	7.5
	18	3	2.0	3.0
			0.8	7.5
11	00	3	2.0	4.5
	06	-	-	-
	12	2	0.8	3.8
	18	2	0.8	3.8
12	00	2	0.8	3.8
	06	-	-	-
	12	2	1.8	3.7
	18	2	1.8	3.8
13	00	2	1.2	3.8
	06	-	-	-
	12	2	1.2	3.5
	18	2	1.2	3.5
14	00	2	0.8	3.4
	06	-	-	-
	12	3	0.8	3.8
	18	3	-	-
15	00	-	-	-
	06	1	1.2	5.0
	12	1	1.2	5.1
	18	1	3.2	5.0
16	00	1	3.6	5.0
	06	-	-	-
	12	1	1.6	5.0
	18	1	2.0	5.0
17	00	1	2.0	4.5
	01	1	2.0	4.5
	02	1	2.0	4.5
	03	1	2.0	4.5
	04	1	0.8	7.5
	05	1	0.8	7.5
	06	1	2.1	7.5
	07	1	2.9	7.5
	08	1	2.1	7.5
	09	1	1.7	7.5
	10	1	2.1	7.5
	11	1	2.1	7.5
	12	1	3.7	7.5
	13	1	1.7	7.5
	14	1	2.1	7.5
	15	1	2.1	7.5

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
Station : PORT BLAIR				
17	16	1	2.5	7.5
	17	1	2.9	7.5
	18	1	2.9	7.5
	19	1	4.2	7.5
	20	1	3.7	7.5
	21	1	2.9	7.5
	22	1	2.1	7.5
	23	1	2.1	7.5
18	00	1	2.1	7.5
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	1	3.7	7.5
	11	1	3.7	7.5
	12	1	3.3	7.5
	13	1	3.7	7.5
	14	1	2.1	7.5
	15	1	3.7	7.5
	16	1	3.3	7.5
	17	1	2.1	7.5
	18	1	2.1	7.5
	19	1	3.3	7.5
	20	1	2.9	7.5
	21	1	2.5	7.5
	22	1	1.7	7.5
	23	1	2.1	7.5
19	00	1	1.7	7.5
	01	1	1.7	7.5
	02	1	1.7	7.5
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	3	-	-
	12	3	Not measured.	
	13	3	due irregular	
	14	3	character.	
	15	3	-	-
	16	3	-	-
	17	3	-	-
	18	3	-	-
	19	3	-	-
	20	3	-	-
	21	3	-	-
	22	3	-	-
	23	3	-	-
20	00	3	-	-
	01	3	1.6	4.0
			1.3	7.5
	02	3	1.6	4.0
			1.3	7.5
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	3	0.8	4.0
			0.8	7.5
	10	3	0.8	3.8
			0.8	7.5
	11	3	0.8	7.5
	12	3	1.6	3.8
	13	3	1.6	3.8
	14	3	1.6	3.8
	15	3	1.6	3.8
	16	3	1.6	3.8
	17	3	1.6	3.8
	18	3	1.6	3.8
	19	3	1.6	3.8
	20	3	1.6	3.8
	21	1	1.6	3.8
	22	1	1.6	3.8
	23	1	0.8	3.8

DATE	HOUR	K	MEAN amplitude (Micron)	MEAN period in secs
Component : E.W.				
21	00	1	1.2	3.8
	01	1	1.2	3.8
	02	3	0.8	3.8
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	3	0.8	3.8
	09	3	0.8	3.8
	10	3	0.8	3.8
	11	3	0.8	3.8
	12	3	0.8	3.8
	13	3	0.8	3.8
	14	3	0.8	3.8
	15	3	0.8	3.8
	16	3	0.8	3.6
	17	3	0.8	3.0
	18	3	0.8	3.8
	19	3	0.8	3.8
	20	3	0.8	3.8
	21	3	0.8	3.8
	22	3	0.8	3.8
	23	3	0.8	3.8
22	00	3	1.2	3.8
	01	3	1.2	3.8
	02	3	1.2	3.8
	03	-	-	-
	04	3	0.8	3.8
	05	3	0.8	3.8
	06	3	0.0	3.8
	07	3	0.8	3.8
	08	3	0.8	3.8
	09	3	0.8	3.8
	10	3	0.8	3.8
	11	3	0.8	3.8
	12	1	0.8	3.7
	13	1	0.8	3.7
	14	1	0.8	3.7
	15	1	0.8	3.7
	16	1	0.8	3.7
	17	1	0.8	3.7
	18	1	0.8	3.7
	19	1	0.8	3.7
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
23	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	1	1.2	3.8
	11	1	1.2	3.8
	12	1	2.0	3.8
	13	1	0.8	3.8
	14	1	0.8	3.8
	15	1	2.0	3.7
	16	1	1.2	3.7
	17	1	1.2	3.7
	18	1	2.0	3.7
	19	1	3.2	3.8
	20	1	2.8	3.8
	21	1	2.8	3.8
	22	1	2.0	3.8
	23	1	2.4	3.8
24	00	1	2.8	3.8
	01	1	2.8	3.8
	02	1	2.8	3.8
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	1	2.0	3.8
	11	1	1.2	3.8
	12	1	2.0	3.8

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	GROUND Motion in (Micron)	MEAN period in secs
			Station : PORT BLAIR	
24	13	1	2.8	3.8
Contd.	14	1	2.0	3.8
	15	1	2.0	3.8
	16	1	1.5	3.8
	17	1	2.0	3.8
	18	1	2.0	3.8
	19	1	2.0	3.8
	20	1	2.8	3.8
	21	1	2.8	3.8
	22	1	2.8	3.8
	23	1	2.8	3.8
25	00	1	2.8	3.8
	01	1	2.0	3.8
	02	1	2.0	3.8
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	1	2.0	3.8
	14	1	2.0	3.8
	15	1	2.0	3.8
	16	1	2.0	3.8
	17	1	2.0	3.8
	18	1	2.0	4.0
	19	1	2.0	4.0
	20	1	2.0	4.0
	21	1	2.0	3.8
	22	1	2.0	3.8
	23	1	2.0	3.8
26	00	1	1.2	3.8
	01	1	1.2	3.8
	02	1	0.8	3.8
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
27	No record.			
28	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
			Component: E.W	
28	09	-	-	-
Contd.	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	1	0.8	7.5
	14	1	0.8	7.5
	15	1	0.8	7.5
	16	1	0.8	7.5
	17	1	1.3	7.5
	18	1	1.3	7.5
	19	1	1.7	7.5
	20	1	2.8	7.5
	21	-	-	-
	22	1	2.1	7.5
	23	1	2.1	7.5
29	00	1	2.1	7.5
	01	1	2.1	7.5
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	1	2.1	7.5
	09	1	2.1	7.5
	10	1	2.1	7.5
	11	1	2.1	7.5
	12	1	2.1	7.5
	13	1	2.5	7.5
	14	1	2.5	7.5
	15	1	1.7	7.5
	16	1	2.5	7.5
	17	1	2.1	7.5
	18	1	2.1	7.5
	19	1	2.1	7.5
	20	1	2.5	7.5
29	21	-	2.5	7.5
Contd.	22	1	2.1	7.5
	23	1	2.1	7.5
30	00	1	2.5	7.5
	01	1	2.1	7.5
	02	1	2.1	7.5
	03	1	1.7	7.5
	04	1	1.7	7.5
	05	1	1.7	7.5
	06	1	1.7	7.5
	07	1	1.3	7.5
	08	3	1.3	7.5
	09	1	1.3	7.5
	10	1	0.8	7.5
	11	1	0.8	7.5
	12	1	0.8	7.5
	13	1	0.8	7.5
	14	1	0.8	7.5
	15	1	0.8	7.5
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
			Station : MADRAS	
01	00	3	0.13	2.6
	03	3	0.4	2.5
	06	3	0.3	2.6
	12	3	0.3	2.5
	18	3	0.3	2.7
02	00	3	0.3	2.3
	03	3	0.4	2.4
	06	3	0.4	2.3
	12	3	0.4	2.5
	18	3	0.4	2.5
03	00	3	0.4	2.5
	03	3	0.5	2.7
	06	3	0.4	2.5
	12	3	0.4	2.5
	18	3	0.5	2.7
04	00	3	0.4	2.5
	03	3	0.4	2.5
	06	3	0.4	2.4
	12	3	0.4	2.6
	18	3	0.4	2.5
05	00	3	0.4	2.6
	03	-	-	-
	06	3	0.4	2.5
	12	3	0.4	2.7
	18	3	0.5	2.5
06	00	3	0.3	2.3
	03	3	0.5	2.6
	06	3	0.5	2.6
	12	3	0.4	2.5
	18	3	0.5	2.4
07	00	3	0.5	2.6
	03	3	0.5	2.6
	06	3	0.5	2.7
	12	3	0.7	2.7
	18	1	0.7	2.6
08	00	1	0.7	2.5
	03	3	0.7	2.6
	06	3	0.6	2.4
	12	3	0.5	2.5
	18	3	0.6	2.7
09	00	3	0.6	2.7
	01	3	0.6	2.8
	02	3	0.5	2.7
	03	3	0.6	2.8
	04	3	0.5	2.7
	05	3	0.6	2.8
	06	3	0.5	2.5
	07	3	0.5	2.5
	08	3	0.7	2.5
	09	3	0.6	2.5
	10	3	0.5	2.6
	11	3	0.6	2.8
	12	3	0.6	3.0
	13	3	0.8	3.0
	14	3	0.8	3.1
	15	3	0.9	3.5
	16	3	0.9	3.3
	17	3	0.9	3.4
	18	3	0.8	3.3
	19	3	0.8	3.1
	20	3	0.8	2.7
	21	3	0.7	2.9
	22	3	0.7	3.0
	23	3	0.5	2.6
10	00	3	0.6	2.8
	03	3	0.7	2.7
	06	3	0.5	2.7
	12	3	0.5	2.5
	18	3	0.5	2.5
11	00	3	0.5	2.6
	03	3	0.7	3.0
	06	3	0.6	3.0
	12	3	0.6	3.1
	18	3	0.6	3.0
			Component: E.W.	
12	00	3	0.6	2.8
	03	3	0.5	2.9
	06	3	0.5	2.8
	12	3	0.5	2.8
	18	3	0.6	2.8
13	00	3	0.5	2.9
	03	3	0.5	2.9
	06	3	0.6	2.9
	12	3	0.6	3.1
	18	3	0.8	4.0
14	00	3	0.6	3.2
	03	3	0.8	4.0
	06	3	0.8	3.8
	12	3	0.9	4.2
	18	3	0.9	4.2
15	00	3	0.8	3.8
	03	3	0.7	3.2
	06	3	0.4	3.0
	12	3	0.5	3.6
	18	3	0.4	3.3
16	00	3	0.4	3.0
	03	-	-	-
	06	3	0.5	3.3
	12	3	0.4	2.5
	18	1	0.6	4.0
17	00	3	0.5	4.4
	03	1	1.2	5.3
	06	1	1.1	5.0
	12	1	1.1	5.1
	18	1	1.0	5.1
18	00	1	1.0	5.0
	03	1	1.1	5.1
	06	1	1.0	5.2
	12	1	1.3	5.1
	18	1	1.3	5.0
19	00	1	1.1	4.6
	03	1	1.3	4.6
	06	1	1.5	5.8
	12	1	1.4	6.0
	18	1	1.5	6.1
20	00	1	1.0	4.6
	03	1	1.3	4.9
	06	1	1.1	4.0
	12	1	1.2	4.4
	18	1	1.4	5.3
21	00	1	1.2	4.9
	03	1	1.2	5.0
	06	1	1.3	5.4
	12	1	1.5	5.8
	18	3	1.1	4.8
22	00	3	0.8	4.2
	03	1	1.1	5.1
	06	1	1.4	5.2
	12	1	1.2	4.5
	18	1	1.0	5.3
23	00	3	0.7	3.7
	03	1	0.7	3.0
	06	1	0.7	2.8
	12	1	0.7	3.6
	18	1	0.7	3.2
24	00	1	0.7	3.8
	03	1	0.8	3.5
	06	1	1.2	4.0
	12	1	0.8	2.8
	18	1	0.7	3.3
25	00	1	0.6	3.0
	03	1	0.5	2.8
	06	3	0.6	2.9
	12	1	0.5	3.4
	18	3	0.4	2.8

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Station: MADRAS Compt. E. W.				
25	00	3	0.6	3.5
	03	3	0.5	2.5
	06	1	0.8	3.7
	12	3	0.8	4.3
	18	1	0.8	4.2
27	00	1	0.9	3.8
	03	1	0.8	3.9
	06	3	1.4	4.6
	12	1	1.1	4.8
	18	3	0.9	4.1
28	00	3	0.6	3.5
	03	1	1.2	4.7
	06	1	1.1	4.1
	12	1	1.4	4.7
	18	3	0.9	3.9
29	00	-	-	-
	03	-	-	-
	06	1	1.1	4.6
	12	1	1.1	4.6
	18	3	0.7	3.6
30	00	3	0.7	3.2
	03	1	1.1	4.1
	06	1	1.3	4.5
	12	1	1.1	5.1
	18	1	1.3	5.7
Station: BOMBAY Compt. E. W.				
01	00	3	0.8	3.5
			0.3	1.7
	06	3	0.9	3.0
			0.3	1.5
	12	3	0.7	3.1
			0.3	1.5
	18	3	0.8	2.8
			0.3	1.7
02	00	3	0.5	3.2
			0.3	1.6
	06	3	0.7	3.4
			0.1	1.7
	12	3	0.5	2.9
			0.1	1.4
	18	3	0.7	3.1
			0.3	1.5
03	00	3	0.6	3.2
			0.3	1.6
	06	3	0.8	2.8
			0.3	1.7
	12	3	0.5	3.2
			0.3	1.7
	18	3	0.7	2.8
			0.5	1.6
04	00	3	0.6	3.1
			0.3	1.6
	06	3	0.7	2.8
			0.3	1.5
	12	3	0.7	3.0
			0.3	1.6
	18	3	0.8	2.9
			1.0	1.7
05	00	3	0.9	3.1
			0.5	1.6
	06	-	-	-
	12	3	1.3	3.5
			0.5	1.9
	18	3	1.0	3.2
			0.7	1.7
06	00	3	1.1	3.3
			0.4	1.7
	06	3	1.1	3.4
			0.4	0.9
	12	3	1.2	3.3
			0.4	1.9
	18	2	1.1	3.4
07	00	2	1.1	3.1
	06	2	0.9	3.5

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Station: BOMBAY Compt. E. W.				
07 Contd.	12	2	1.0	3.6
	18	2	0.9	3.8
08	00	2	0.7	3.5
	06	2	1.1	3.7
	12	2	1.2	3.5
	18	2	1.1	3.9
09	00	2	1.1	4.0
	01	2	1.2	3.7
	02	2	1.1	3.7
	03	2	2.3	4.0
	04	2	1.1	4.0
	05	2	1.0	3.9
	06	2	1.1	3.5
	07	2	1.1	3.7
	08	2	1.1	3.7
	09	2	1.0	3.9
	10	2	1.3	4.2
	11	2	1.1	3.8
	12	2	1.1	3.7
	13	2	1.2	4.0
	14	2	1.0	4.1
	15	2	1.2	3.5
	16	2	1.0	3.7
	17	2	1.0	3.6
	18	2	0.9	3.9
	19	2	1.1	3.8
	20	2	0.9	3.9
	21	2	1.1	3.8
	22	2	1.1	4.3
	23	2	1.1	3.9
10	00	2	1.1	4.0
	06	3	1.3	3.4
			0.3	1.7
	12	3	1.1	3.3
			0.2	1.5
	18	2	1.3	3.5
11	00	2	1.1	3.8
	06	2	1.1	4.2
	12	2	1.1	3.9
	18	2	1.1	4.4
12	00	2	1.1	4.0
	06	2	1.1	4.2
	12	2	1.2	4.6
	18	2	1.1	4.0
13	00	2	1.1	4.1
	06	2	1.3	4.5
	12	2	1.3	4.2
	18	2	1.4	4.7
14	00	2	1.5	5.2
	06	2	1.3	4.6
	12	2	1.3	4.3
	18	2	1.4	4.5
15	00	2	1.3	4.0
	06	2	1.3	4.2
	12	2	1.5	3.4
	18	2	1.7	3.6
16	00	2	1.5	3.8
	06	-	-	-
	12	2	1.5	3.2
	18	2	1.5	3.9
17	00	2	1.9	4.4
	01	2	2.1	3.5
	02	2	1.9	3.5
	03	2	2.0	3.9
	04	2	2.1	3.3
	05	2	1.9	3.8
	06	2	2.1	3.6
	07	2	2.1	4.0
	08	2	1.9	3.5
	09	2	2.0	4.0
	10	2	1.9	3.8
	11	2	2.1	3.8
	12	2	2.2	3.7
	13	2	2.3	4.1
	14	2	1.9	3.9
	15	2	2.5	3.7
	16	2	2.3	3.3
	17	2	2.7	3.5

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Station : BOMBAY Compt. E. W.				
17 Contd.	18	2	2.5	3.5
	19	2	2.7	3.6
	20	2	2.7	3.8
	21	2	2.9	3.9
	22	2	2.7	3.6
	23	2	2.4	4.1
18	00	2	2.3	4.3
	01	2	2.5	3.7
	02	2	2.5	3.8
	03	2	2.3	3.8
	04	2	2.3	3.6
	05	2	2.7	3.8
	06	2	2.5	3.8
	07	2	2.7	3.7
	08	2	2.5	4.2
	09	2	2.5	4.5
	10	2	2.4	4.4
	11	2	2.7	4.4
	12	2	2.3	4.1
	13	2	2.7	4.1
	14	2	2.7	4.4
	15	2	2.5	4.2
	16	2	2.6	4.4
	17	2	2.8	4.3
	18	2	3.1	4.4
	19	2	3.3	4.1
	20	2	3.1	5.1
	21	2	3.1	4.4
	22	2	3.1	5.1
	23	2	2.9	3.8
19	00	2	3.1	4.7
	01	2	3.1	4.3
	02	2	3.0	4.5
	03	2	3.1	4.9
	04	2	2.9	4.7
	05	2	2.9	4.7
	06	-	-	-
	07	2	2.9	3.9
	08	2	2.8	3.9
	09	2	3.1	4.4
	10	2	3.2	3.8
	11	2	3.0	4.5
	12	2	2.4	3.8
	13	2	2.9	4.7
	14	2	2.7	5.0
	15	2	2.8	3.9
	16	2	2.5	4.4
	17	2	2.6	4.5
	18	2	3.3	4.5
	19	2	3.1	4.9
	20	2	3.1	4.5
	21	2	3.5	4.7
	22	2	3.0	4.2
	23	2	3.2	4.8
20	00	2	3.6	4.5
	01	2	2.9	4.6
	02	2	3.3	4.5
	03	2	3.3	4.8
	04	2	3.0	4.9
	05	2	3.0	4.9
	06	2	3.1	4.5
	07	2	3.3	5.0
	08	2	3.3	4.5
	09	2	3.3	4.1
	10	2	3.5	4.8
	11	2	3.3	4.5
	12	2	3.9	4.5
	13	2	3.4	4.2
	14	2	3.5	4.9
	15	2	3.3	5.0
	16	2	3.5	4.0
	17	2	3.1	4.4
	18	2	3.1	4.4
	19	2	3.1	4.9
	20	2	3.7	4.7
	21	2	3.0	4.8
	22	2	3.3	4.7
	23	2	3.3	4.5
21	00	2	3.4	5.3
	01	2	3.5	4.2
	02	2	3.2	5.5
	03	2	3.3	4.5
	04	2	3.5	4.6
	05	2	3.2	5.2

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Compt. E. W.				
21	05	2	3.2	4.5
Contd.	07	2	3.3	4.1
	08	2	3.5	4.3
	09	2	3.9	4.7
	10	2	3.8	4.1
	11	2	3.8	4.3
	12	2	3.9	4.8
	13	2	3.4	4.4
	14	2	3.5	4.8
	15	2	3.7	4.2
	16	2	3.1	4.9
	17	2	3.5	4.1
	18	2	3.3	4.7
	19	2	3.1	4.3
	20	2	3.3	4.4
	21	2	3.5	4.6
	22	2	3.1	4.9
	23	2	3.2	4.7
22	00	2	3.7	4.6
	01	2	3.3	4.8
	02	2	3.1	5.3
	03	2	3.1	4.8
	04	2	2.7	3.7
	05	2	2.9	4.7
	06	2	2.9	4.1
	07	2	2.8	4.1
	08	2	2.8	4.5
	09	2	3.1	4.2
	10	2	3.2	4.4
	11	2	3.0	4.7
	12	2	2.9	4.8
	13	2	3.1	4.6
	14	2	2.7	5.1
	15	2	2.8	4.2
	16	2	2.9	4.8
	17	2	2.9	4.3
	18	2	2.3	4.5
	19	2	2.7	3.8
	20	2	2.7	4.2
	21	2	2.8	4.2
	22	2	2.9	4.2
	23	2	2.9	3.9
23	00	2	2.5	4.3
	01	2	2.9	4.5
	02	2	2.5	5.1
	03	2	2.5	4.3
	04	2	2.7	4.3
	05	2	2.4	4.2
	06	2	2.7	4.4
	07	2	2.3	4.0
	08	2	2.5	3.8
	09	2	2.5	4.5
	10	2	3.0	4.1
	11	2	3.1	4.3
	12	2	2.6	3.7
	13	2	2.9	3.5
	14	2	2.7	3.7
	15	2	2.7	3.5
	16	2	2.8	3.9
	17	2	3.1	3.7
	18	2	3.1	3.5
	19	2	2.9	3.4
	20	2	2.9	3.4
	21	2	3.5	3.6
	22	2	3.3	4.2
	23	2	3.4	4.7
24	00	2	3.9	3.8
	01	2	3.7	4.1
	02	2	3.9	3.9
	03	2	3.5	4.0
	04	2	3.6	4.0
	05	-	-	-
	06	2	3.3	3.9
	07	2	3.5	3.5
	08	2	3.3	4.0
	09	2	2.7	3.7
	10	2	3.9	3.5
	11	2	3.3	3.7
	12	2	3.3	3.8
	13	2	3.3	3.9
	14	2	3.3	4.3
	15	2	3.3	3.6
	16	2	3.1	3.1
	17	2	2.5	3.5
	18	2	2.7	3.4

International Seismological Centre From the ISC collection scanned by SISMOS

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DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Station: BOMBAY			Compt. E. W	
24	19	2	2.3	3.3
Contd.	20	2	2.3	3.7
	21	2	2.7	3.4
	22	2	2.5	3.0
	23	2	2.4	3.7
25	00	2	2.5	3.2
	01	2	2.4	3.5
	02	2	2.3	3.2
	03	2	2.5	4.2
	04	2	2.3	3.2
	05	2	2.2	3.4
	06	2	2.1	3.9
	07	2	2.2	2.9
	08	2	2.1	3.0
	09	2	2.3	2.9
	10	-	-	-
	11	-	-	-
	12	2	2.3	3.5
	13	2	2.5	3.6
	14	2	2.5	3.3
	15	2	2.4	3.5
	16	2	2.3	3.5
	17	2	2.3	3.7
	18	2	2.1	3.1
	19	2	2.1	3.9
	20	2	2.0	3.4
	21	2	2.0	3.3
	22	2	1.9	3.2
	23	2	2.3	3.4
26	00	2	2.3	3.2
	01	2	2.4	3.5
	02	2	2.5	3.4
	03	2	2.3	3.4
	04	2	2.5	3.4
	05	2	2.5	3.5
	06	2	2.5	3.7
	07	2	2.2	3.0
	08	2	2.1	3.4
	09	2	2.1	3.0
	10	-	-	-
	11	2	2.5	3.6
	12	2	2.4	3.5
	13	2	2.2	3.7
	14	2	2.9	3.1
	15	2	2.1	4.0
	16	2	2.6	3.5
	17	2	2.3	3.4
	18	2	2.1	3.0
	19	2	2.5	3.8
	20	2	2.5	3.7
	21	2	2.2	3.8
	22	2	1.9	3.2
	23	2	2.1	3.8
27	00	2	2.3	3.3
	06	-	-	-
	12	2	2.6	3.0
	18	2	2.3	3.3
28	00	2	2.2	3.4
	06	2	2.8	3.1
	12	2	2.5	3.3
	18	2	2.7	3.1
29	00	2	2.3	3.1
	06	2	3.2	3.8
	12	2	2.7	3.1
	18	2	2.7	2.9
30	00	2	2.4	3.4
	06	2	3.0	3.5
	12	2	3.0	3.3
	18	2	2.9	3.4
Station:	COCHIN		Compt. N. S.	
02	06	1	3.48	1.5
	12	1	1.3	1.4
	18	1	1.8	1.4
03	00	1	0.0	-
	06	1	0.0	-
04	06	1	0.8	1.4
05	06	1	0.9	1.4
	12	1	1.97	1.4
	18	1	1.3	1.4
07	00	-	-	-
	06	1	0.0	-
08	06	1	0.9	1.4
09	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	0.0	-
	10	1	0.81	1.4
	11	1	1.0	1.4
10	06	1	1.3	1.4
11	06	1	0.8	1.4
12	06	1	0.8	1.4
13	06	1	0.8	1.4
14	06	1	0.8	1.4
15	06	1	3.5	1.4
16	06	1	2.97	1.4
17	04	1	3.93	1.4
	05	1	4.13	1.4
	06	1	3.38	1.4
	07	1	2.42	1.4
	08	1	2.35	1.4
	09	1	2.33	1.4
	10	1	2.0	1.4
	11	1	1.8	1.4
	12	1	1.8	1.4
	13	1	1.85	1.4
	14	1	2.0	1.4
	15	1	1.3	1.4
	16	1	2.4	1.4
	17	1	1.8	1.4
	18	1	1.97	1.4
	19	1	1.55	1.4
	20	1	1.3	1.4
	21	1	1.87	1.4
	22	1	0.9	1.4
	23	1	0.8	1.4
18	00	1	0.8	1.4
	01	1	1.0	1.4
	02	1	1.3	1.4
	03	1	1.0	1.4
	04	1	1.8	1.4
	05	1	2.62	1.4
	06	1	2.03	1.4
	07	1	2.13	1.4
	08	1	1.8	1.4
	09	1	2.15	1.4
	10	1	1.55	1.4
	11	1	2.87	1.4
	12	1	1.8	1.4
	13	1	1.55	1.4
	14	1	2.27	1.4
	15	1	1.97	1.4
	16	1	1.4	1.4
	17	1	1.55	1.4
	18	1	1.98	1.4
	19	1	1.63	1.4
	20	1	1.8	1.4
	21	1	1.9	1.4
	22	1	1.8	1.4
	23	1	2.07	1.4
19	00	1	1.85	1.4
	06	1	2.1	1.4
	12	1	1.85	1.4
	18	1	1.98	1.4
20	00	1	0.0	-
	06	1	0.0	-
	12	-	-	-
	18	-	-	-
21	00	-	-	-
	06	-	-	-
23	06	-	-	-
24	04	1	3.3	1.4
	05	-	-	-
	06	1	0.0	-
	07	-	-	-
	08	-	-	-
	09	1	0.0	-
	10	3	0.0	-
25	06	-	-	-
27	06	1	1.3	1.4
30	06	1	1.0	1.4
Component : E.W.				
02	06	1	1.32	1.4
	12	1	3.54	1.3
	18	1	3.78	1.4
03	00	1	0.0	-
	05	1	0.0	-
04	06	1	2.3	1.4
06	06	1	2.3	1.4
	12	1	3.3	1.4
	18	1	3.0	1.4
07	00	-	-	-
	06	1	0.0	-
08	06	1	3.7	1.4
09	04	3	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
	09	1	0.0	-
	10	1	0.8	1.4
	11	1	3.15	1.4
10	06	1	0.0	-
11	06	1	0.0	-
12	06	1	0.0	-
14	06	1	0.8	1.4
15	06	-	-	-
16	06	1	4.38	1.4
17	04	1	5.33	1.4
	05	1	5.03	1.4
	06	1	5.02	1.4
	07	1	5.43	1.4
	08	1	6.84	1.4
	09	1	5.8	1.4
	10	1	5.34	1.4
	11	1	4.67	1.4
	12	1	1.5	1.4
	13	1	2.13	1.4
	14	1	2.8	1.4
	15	1	3.28	1.4
	16	1	3.08	1.4
	17	1	3.57	1.4
	18	1	2.45	1.4
	19	1	2.3	1.4
	20	1	1.8	1.4
	21	1	1.3	1.4
	22	1	0.0	-
	23	1	0.0	-
18	00	1	0.0	-
	01	1	0.0	-
	02	1	0.0	-
	03	1	0.8	1.4
Station:	COCHIN		Component E W	
18	04	1	2.1	1.4
	05	1	2.8	1.4
Contd.	06	1	3.8	1.4
	07	1	5.68	1.4
	08	1	6.15	1.4
	09	1	4.13	1.4
	10	1	5.4	1.5
	11	1	5.42	1.4
	12	1	2.8	1.4
	13	1	2.0	1.4
	14	1	3.52	1.4
	15	1	3.28	1.4
	16	1	3.08	1.4
	17	1	3.57	1.4
	18	1	2.45	1.4
	19	1	2.8	1.4
	20	1	1.4	1.4
	21	1	0.8	1.4
	22	1	2.33	1.4
	23	1	1.5	1.4
19	00	1	3.1	1.5
	05	1	5.08	1.4
	12	1	4.53	1.6
	18	1	6.07	1.5
20	00	1	0.8	1.4
	06	1	4.9	1.4
	12	1	3.35	1.4
	18	1	2.83	1.4
21	00	1	1.8	1.4
	06	-	-	-
23	06	-	-	-
24	04	3	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
25	06	-	-	-
27	05	1	4.47	1.5
30	06	1	4.22	1.66
Component: Vertical				
02	05	1	5.38	1.4
	12	1	4.32	1.4
	18	1	4.08	1.4
03	00	1	0.0	-
	06	3	0.0	-
04	06	3	2.8	1.2
05	06	1	3.35	1.1
	12	-	-	-
	18	-	-	-
07	00	-	-	-
	06	3	0.0	-
08	06	1	6.4	1.4
09	04	3	0.0	-
	05	3	0.0	-
	06	3	0.0	-
	07	3	3.1	1.4
	08	1	3.22	1.4
	09	1	3.85	1.4
	10	1	5.63	1.4
	11	1	5.95	1.4
10	06	3	2.92	1.4
11	06	-	-	-
12	06	-	-	-

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Perion in secs
Station:	COCHIN		Compt.	Vertical
13	05	1	4.0	1.4
14	05	3	3.4	1.4
15	05	1	8.5	1.4
16	05	1	4.22	1.4
17	04	1	4.53	1.4
	05	1	5.87	1.4
	06	1	5.86	1.4
	07	1	4.8	1.4
	08	1	5.48	1.4
	09	1	4.7	1.4
	10	1	5.3	1.4
	11	1	3.48	1.4
	12	1	2.85	1.4
	13	1	3.5	1.4
	14	1	3.98	1.4
	15	1	4.25	1.4
	16	1	4.9	1.4
	17	1	5.25	1.4
	18	1	4.38	1.4
	19	1	3.5	1.4
	20	1	3.4	1.4
	21	1	1.97	1.4
	22	1	2.07	1.4
	23	1	2.15	1.4
18	00	1	1.8	1.4
	01	1	2.65	1.4
	02	1	2.58	1.4
	03	1	4.13	1.4
	04	1	3.23	1.4
	05	1	3.8	1.4
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	1	5.33	1.4
	10	1	5.5	1.4
	11	1	4.8	1.4
	12	1	2.75	1.4
	13	1	3.44	1.4
	14	1	3.05	1.4
	15	1	3.5	1.4
	16	1	3.11	1.4
	17	1	3.54	1.4
	18	1	3.8	1.4
	19	1	3.2	1.4
	20	1	2.75	1.4
	21	1	3.8	1.4
	22	1	3.55	1.4
	23	1	4.03	1.4
19	06	1	4.24	1.4
	08	1	5.08	1.4
	12	1	5.08	1.4
	18	1	3.85	1.4
20	00	1	2.3	1.1
	05	1	3.45	1.3
	12	1	3.84	1.4
	18	1	3.92	1.3
21	00	1	2.05	1.4
	06	-	-	-
23	06	-	-	-
24	04	1	2.37	1.2
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	3	0.0	-
	09	3	0.0	-
	10	3	2.55	1.2
25	06	-	-	-
27	06	-	-	-
30	06	1	0.0	-

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Station:	SHILLONG		Compt.	E.W.
01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
02	00	-	-	-
	06	3	0.18	4.5
	12	-	-	-
	18	-	-	-
03	00	2	0.12	5.0
	06	-	-	-
	12	-	-	-
	18	2	0.13	4.8
04	00	1	0.20	5.0
	06	1	0.18	5.0
	12	1	0.15	4.9
	18	1	0.32	5.5
05	00	1	0.22	5.5
	06	1	0.24	5.0
	12	-	-	-
	18	1	0.19	5.0
06	00	-	-	-
	06	-	-	-
	12	0,0	-	-
	18	0,0	-	-
07	00	-	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
08	00	0,0	-	-
	06	2	0.19	4.0
	12	-	-	-
	18	2	0.19	5.0
09	00	2	0.18	4.0
	01	0,0	-	-
	02	2	0.15	4.5
	03	0,0	-	-
	04	-	-	-
	05	2	0.24	4.5
	06	-	-	-
	07	2	0.12	4.5
	08	2	0.14	4.0
	10	-	-	-
	11	-	-	-
	12	2	0.14	4.2
	13	-	-	-
	14	-	-	-
	15	0,0	-	-
	16	0,0	-	-
	17	-	-	-
	18	-	-	-
	19	0,0	-	-
	20	0,0	-	-
	21	0,0	-	-
	22	0,0	-	-
	23	0,0	-	-
10	00	0,0	-	-
	06	-	-	-
	12	-	-	-
	18	0,0	-	-
11	00	0,0	-	-
	06	2	0.15	4.5
	12	2	0.24	4.8
	18	2	0.25	5.0
12	00	1	0.24	4.5
	06	-	-	-
	12	2	0.17	4.0
	18	2	0.19	4.4
13	00	2	0.20	4.2
	06	-	-	-
	12	-	-	-
	18	1	0.32	4.5

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Compt.	E.W.		Station:	SHILLONG
14	00	1	0.24	4.2
	06	1	0.35	5.0
	18	1	0.18	5.0
15	00	1	0.20	4.5
	06	1	0.18	4.5
	12	-	-	-
	18	-	-	-
16	00	1	0.22	4.5
	06	1	0.40	4.5
	12	1	0.24	4.5
	18	-	-	-
17	00	1	0.24	4.5
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	1	0.45	4.2
	21	1	0.40	4.5
	22	1	0.50	5.0
	23	-	-	-
18	00	1	0.32	4.5
	01	-	-	-
	02	-	-	-
	03	1	0.30	5.0
	04	1	0.32	5.0
	05	1	0.28	4.8
	06	1	0.24	5.0
	07	-	-	-
	08	1	0.35	4.0
	09	1	0.30	4.2
	10	1	-	-
	11	1	0.45	5.5
	12	1	0.30	4.5
	13	1	0.45	5.0
	14	1	0.30	5.0
	15	1	0.30	4.2
	16	-	-	-
	17	1	0.35	5.2
	18	-	-	-
	19	1	0.30	4.2
	20	-	-	-
	21	1	0.45	4.5
	22	-	-	-
	23	1	0.42	4.5
19	00	1	0.40	4.5
	06	-	-	-
	12	1	0.30	4.2
	18	1	0.45	4.5
20	00	1	0.15	4.0
	06	1	0.32	5.0
	12	1	0.24	4.5
	18	-	-	-
21	00	1	0.46	5.2
	06	-	-	-
	12	1	0.30	4.8
	18	1	0.14	5.0
22	00	1	0.25	5.4
	06	1	0.30	4.8
	12	-	-	-
	18	1	0.25	5.0

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
Component:	E.W.			
23	00	1	0.24	5.2
	06	-	-	-
	12	1	0.14	5.7
	18	0,0	-	-
24	00	1	0.16	4.5
	01	1	0.17	4.5
	02	-	-	-
	03	0,0	-	-
	04	0,0	-	-
	05	-	-	-
	06	0,0	-	-
	07	0,0	-	-
	08	0,0	-	-
	09	0,0	-	-
	10	0,0	-	-
	11	0,0	-	-
	12	0,0	-	-
	13	0,0	-	-
	14	0,0	-	-
	15	0,0	-	-
	16	0,0	-	-
	17	0,0	-	-
	18	0,0	-	-
	19	0,0	-	-
	20	0,0	-	-
	21	1	0.28	4.5
	22	-	-	-
	23	1	0.25	4.5
25	00	1	0.30	4.5
	06	0,0	-	-
	12	-	-	-
	18	0,0	-	-
26	00	1	0.26	4.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
27	00	-	-	-
	06	1	0.26	4.5
	12	1	0.20	4.7
	18	1	0.28	4.7
28	00	1	0.30	4.5
	06	-	-	-
	12	0,0	-	-
	18	1	0.30	5.5
29	00	3	0.29	4.3
	06	-	-	-
	12	-	-	-
	18	3	0.28	4.5
30	00	3	0.26	5.0
	06	1	0.35	5.5
	12	-	-	-
	18	-	-	-

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

July 1958

Published under the direction of
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Director General of Observatories

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGI-TUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNI-FICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To ≃ Tg ≃ 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h ≃0.8	60
					Wood-Anderson	N	0.8	1000	h ≃0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To≃0.72 Tg≃0.45 secs.		Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To≃Tg≃72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To≃Tg≃1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h≃0 h≃0.8	30
					Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To ≃1.0	Tg ≃0.18	-	60
					Sprengnether	E	To ≃ Tg ≃ 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h ≃ 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h ≃ 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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JULY 1958

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	CHATRA	Z	iP	00 55 01	250	Feeble
			iS	55 31		
	SHILLONG	Z	iP	00 55 19		Near, slight
			i	57 08		
01	SHILLONG	Z	iP	01 00 35		Slight, distant Compression.
01	Epc: 51½°N, 176½°W, Andreanof Islands, Aleutian Islands. ! - H = 05h 53m 07s (U.S.C.G.S) Mag. 5 (Pasadena) Berkeley)					
	CHATRA	Z	iP	06 04 38		Feeble, distant
	SHILLONG	Z	i	05 05 27		Slight, distant Compression
01	SHILLONG	Z	iP	15 15 11		Slight, distant Compression
01	SHILLONG	Z	iP	19 41 56		Slight, near Rarefaction
	CHATRA	Z	iP	19 42 11	380	Feeble
			iS	42 53		
01	DEHRA DUN	NE	e	20 54 21		Tremor
01	SHILLONG	Z	i	22 00 33		Tremor
02	SHILLONG	Z	e	02 43 25		Slight
			i	43 38		
02	SHILLONG	Z	iP	04 33 02		Slight, distant
02	CHATRA	Z	iPg	12 41 50	90	Feeble
			iSg	42 02		
02	SHILLONG	Z	eP	13 20 07		Slight, distant
02	SHILLONG	Z	eP	20 14 48		
			i	15 15		
02	SHILLONG	Z	iP	22 20 52		Slight, distant
02	CHATRA	Z	iP	22 35 22	170	Slight
		ZE	iS	35 43		
	SHILLONG	Z	iP	22 35 01		Slight
			i	35 48		
02	SHILLONG	Z	iPg	22 51 09		Feeble, local phases not clear
03	SHILLONG	Z	iPg	04 04 55	80	Feeble, local
			iSg	05 04		
03	Epc: 18°S, 66°E. Mascarene Islands Region - H = 05h 45m 07s (U.S.C.G.S)					
	SHILLONG	Z	eP	05 54 03		Slight
	CHATRA	Z	iP	05 54 03	5650	Slight
		ZE	iS	06 01 19		
	BOMBAY	N	e	05 54 15		Very slight. Record lost in in Sprengnether
		NE	eS	57 49		
			e	58 17		
		N	e	06 03 08		Seismogram
	DEHRA DUN	NE	e'	05 54 26		Slight
		N	iS	06 01 16		
			SS	05 39		
			M	11 18		
	PORT BLAIR	E	eP	05 54 37	2720	Slight
			PPP	55 19		
			eS	58 56		
			Lq	06 01 01		
			M	02 03		Per. = 14 secs μ = 9
	COLOMBO	E	L	05 57 10		
			M	58 50		Amp. = 1.0 mm
	HYDERABAD	E	e	05 58 18		
			M	06 03 21		Per. = 12 secs μ = 7
03	SHILLONG	Z	iP	06 40 56		Slight, distant Rarefacrion
03	BOKARO	NE	e	07 07 59		Distant, tremor.
03	SHILLONG	Z	iP	07 46 45		Slight, distant Rarefaction
03	CHATRA	Z	iP	10 45 16	250	Feeble
			iS	45 45		
03	SHILLONG	Z	iP	12 56 08		Slight, distant
03	SHILLONG	Z	iP	16 49 51		Tremor
03	SHILLONG	Z	iPg	19 01 09	110	Feeble, local
			iSg	01 21		
03	SHILLONG	Z	e	19 20 12		Tremor
03	SHILLONG	Z	iP	19 37 34		Tremor
03	CHATRA	Z	iS	20 59 10	520	Feeble
			iS	21 00 15		
03	SHILLONG	Z	e	22 25 21		
			e	25 40		
04	SHILLONG	Z	iP	02 31 48		Slight, distant Rarefaction
	COLOMBO	E	L	02 33 --		
			M	37 20		Amp. = 1.0 mm
04	SHILLONG	Z	eP	10 41 01		Slight, distant
04	DEHRA DUN	NE	e	10 49 15		Tremor
04	TOCKLAI	E	eP	15 25 42		Slight, distant
04	SHILLONG	Z	iP	15 25 53		Distant, slight
04	Epc: 5°N, 125°E, Near South coast of Mindanao P.I. - H = 18h 34m 03s G.M.T. (U.S.C.G.S)					
	TOCKLAI	E	eP	18 41 08		Slight
	SHILLONG	ZNE	iP	18 41 18	4000	Slight, compression
		NE	PP	42 38		First movement
			PPP	42 57		North and West.
		E	PcP	43 53		
		NE	iS	45 57		
	CHATRA	Z	iP	18 41 55		Slight
		E	i	44 08		
	AGRA	ZE	iP	18 42 57	5360	Slight, compression
			i	43 09		First movement
			i	43 16		West, large micro-seisms.
			PP	45 08		
		ZNE	iS	49 56		
			PPS	50 25		
	DEHRA DUN	NE	eP	18 43 08		Slight, phases
			i	45 57		not identifiable
			iS	50 12		
			i	50 35		
04	SHILLONG	Z	e	22 55 05		Tremor
05	SHILLONG	Z	iP	01 22 55		Slight, distant Rarefaction
05	SHILLONG	Z	eP	02 40 38		Slight, distant
05	SHILLONG	Z	i	11 42 55		Slight
05	SHILLONG	Z	eP	11 57 09		Slight, distant
05	SHILLONG	Z	i	18 40 59		Tremor
05	SHILLONG	Z	iP	23 09 47		Slight, distant
06	SHILLONG	Z	iP	04 53 04		Slight, distant Compression
06	SHILLONG	Z	iP	05 38 03		Slight, distant Rarefaction
06	SHILLONG	Z	iPg	10 40 08	20	Feeble, local
			iSg	40 11		
06	SHILLONG	Z	iP	15 15 02		Slight, distant Compression
06	DEHRA DUN	NE	e	15 33 51		Tremor
06	SHILLONG	Z	i	15 48 32		Slight

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
06	SHILLONG	Z	i	18	54	01		Slight
06	SHILLONG	Z	e	19	54	39		Slight, distant
			e		55	32		
06	SHILLONG	Z	iPg	22	31	41	90	Feeble, local
			iSg		31	52		
07	Epc: 50½°N, 180°. Andreanof Island, Aleutian Islands - H = 05h 15m 04s G.M.T. (U.S.C.G.S).							
	SHILLONG	Z	iP	05	27	14		Slight
	CHATRA	Z	iP	05	27	30		Feeble
07	SHILLONG	ZE	iP	09	59	18	270	Feeble, near
			iS		59	49		Compression
	TOCKLAI	E	eP	09	59	35		Slight, near
07	CHATRA	Z	iP	11	13	44	1870	Slight
		E	iS		15	51		
	DEHRA DUN	NE	e	11	12	39		Feeble
			i		14	05		
	SHILLONG	Z	e	11	14	25		
07	SHILLONG	Z	iP	13	49	09		Slight, distant Rarefaction
07	DEHRA DUN	NE	e	14	00	45		Tremor
07	SHILLONG	Z	iP	14	29	52		Slight, distant
	CHATRA	Z	i	14	30	36		Feeble, near
07	SHILLONG	Z	iP	18	37	41	320	Slight, near
			iS		38	18		Compression
			Sg		38	28		
	CHATRA	Z	iP	18	40	02	240	Feeble
			iS		40	30		
07	SHILLONG	Z	iPg/P	19	25	03	130	Slight, near
			iSg/S		25	19		Compression
	CHATRA	Z	iP	19	25	44	380	Feeble
			iS		25	25		
07	SHILLONG	Z	eP	23	41	02		Slight, distant
08	SHILLONG	ZNE	iP	03	39	45	470	Compression
		Z	PP		39	53		Magnitude-4½
			PPP		39	59		
		ZE	iS		40	30		
		Z	SS		40	35		
		ZNE	iSg		40	47		
	TOCKLAI	E	e	03	39	51		Slight, near
			i		40	55		
	CHATRA	Z	iP	03	40	45	950	Moderate
		ZNE	iS		42	23		
08	PORT BLAIR	E	iP	04	47	06	120	Slight
			iSg		47	23		
08	SHILLONG	Z	iPg	05	58	18	70	Feeble, local
			iSg		58	26		
08	SHILLONG	Z	iP	06	30	39		Slight, distant
	CHATRA	Z	iP	06	31	04	210	Feeble
			iS		31	29		
08	Epc: 43°S, 41½°E. Indian Ocean. North east of Prince Edward Islands - H = 22h 48m 36s G.M.T.(U.S.C.G.S) Mag: 5 (Pasadena)							
	DEHRA DUN	NE	eP	23	00	56		Feeble
			iS		10	47		
	CHATRA	Z	iP	23	00	59		Slight
	SHILLONG	Z	i	23	00	59		Slight, rarefaction
	BOMBAY	N	eS	23	08	35		Very slight
	HYDERABAD	N	M	23	23	29		Per. =21 secs μ =13
09	DEHRA DUN	NE	e	07	25	38		Tremor
09	SHILLONG	Z	eP	10	56	10		Slight, distant
09	SHILLONG	Z	eP	11	18	15		Slight
	TOCKLAI	E	eP	11	18	18		Slight
09	SHILLONG	Z	e	14	27	45		Slight, distant
09	CHATRA	Z	iP	17	07	13	190	Slight
			iS		07	36		
09	SHILLONG	Z	e	17	37	42		Tremor
09	SHILLONG	Z	e	20	23	59		Tremor
09	SHILLONG	Z	iP	21	52	50		Slight, distant Compression
10	SHILLONG	Z	e	03	35	39		
10	Epc: 58½°N, 135°W. South eastern Alaska - H = 05h 15m 54s (U.S.C.G.S) Mag: 8.5 (Shillong), 8(Berkeley), 7¾ 8 (Pasadena). Several killed, moderate damage (U.S.C.G.S)							
	SHILLONG	ZNE	iP	06	28	40	9440	Compression.
		N	i		30	48		First movement
			i		31	59		South and West.
			iSKS		39	04		Phases
		E	eS		39	07		overlapped.
		N	eS		39	10		
			i		41	10		
			i		45	05		
			i		46	20		
		NE	M		58	00		Per. =27 secs μ =145
	TOCKLAI	E	eP	06	28	40	9450	Great
			PP		32	01		
			i		33	17		
			S		39	10		
	DEHRA DUN	NE	eP	06	28	43	9290	Great
		N	PP		32	49		
			PPP		34	24		
			iS		39	05		
			PS		40	29		
			SS		44	48		
			SSS		47	36		
			Lq		51	01		
			Lr		55	27		
			M	07	00	20		
	AGRA	Z	iP?	06	28	56	9330	Great, compression. First movement South and East. Overlapping of traces
		NE	eP?					
		ZN	PcP		29	03		
			i		29	08		
		Z	i?		29	36		
		ZN	i?		30	04		
		Z	i?		31	52		
		ZN	PP		32	32		
			i?		32	58		
		Z	i?		33	26		
		ZN	PPP		34	16		
			i?		35	52		
			i?		38	18		
			eS, SKS		39	20		
			ScS		39	32		
		Z	PS		40	36		
			PPS		41	00		
		N	i?		42	28		
			i?		43	24		
		Z	SS		45	19		
		N	i?		48	03		
		ZN	SSS		48	37		
		N	i?		49	25		
		Z	i?		51	01		
		N	i?		51	27		
		ZN	i?		58	39		
	CHATRA	Z	iP	06	28	57	9000	Moderate
		E	iS		39	06		
	BOKARO	NE	iP	06	29	06	9640	Great, first
		E	PP		32	30		movement South
			PPP		34	25		and West.
			iS		40	34		
			SSS		49	43		
			Lq		53	38		
			M	07	29	06		Per. =28 secs μ =1302
	MADRAS	E	eP	06	29	20	10180	Mag. =8.5
			PP		33	11		
			PPP		34	56		
			i		36	50		
			i		37	41		
			i		38	14		
			SKS		39	32		
			SKKS		39	56		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
10 Contd.	MADRAS Contd.	E	ScS	05	40	18		
			S		40	18		
			PS		41	44		
			PPS		42	20		
			SS		45	04		
	HYDERABAD	N	iP	05	29	48	10520	Great. First movement North
			PP		33	42		
			PPP		35	42		
			SKS1		40	31		
			iS		41	03		
			PPS		42	36		
			SS		46	37		
			SSS		50	42		
			Lr		58	55		
			M	07	07	38		Per.=22 secs H.=585
	PORT BLAIR	N	eP	05	29	50	10890	Very great
			PP		33	55		
			i		38	32		
			SKS		40	23		
	BOMBAY	NE	eP	06	29	50	11190	Great
			PP		34	04		
		E	PPP		35	54		
		N	e		38	16		
		NE	SKKS1		41	12		
			eS		41	25		
			PS		43	05		
		E	PPS		44	13		
		N	PPS		44	23		
		NE	SS		48	20		
		N	SSS		52	00		
		E	SSS		52	15		
			M	07	15	--		
	COLOMBO	E	P	05	31	35		
			S		42	25		
			L	07	01	10		
			M	--	--	--		
	KODAIKANAL	E	eP	06	34	58	9600	Great, distant
			eS		45	37		
			Lq		57	43		
			Lr	07	00	08		
			M		07	44		Per.=21 secs H.=162
	VIZIANAGRAM	N	S	05	40	52		Moderate, distant
			PS		42	12		
			PPS		42	46		
10	SHILLONG	Z	iP	08	10	47		Slight, distant compression
	CHATRA	Z	i	08	11	04		Slight, distant
	TOCKLAI	E	e	08	38	49		Slight, near
					39	28		
10	SHILLONG	ZE	iP	08	39	24	450	Near, Mag: = 5
		Z	PP		39	32		
			Pg		39	41		
			iS		40	11		
			SS		40	21		
			Sg		40	30		
	CHATRA	Z	iP	08	40	10	1304	Slight
		ZNE	iS		42	23		
10	SHILLONG	Z	i	10	29	07		Tremor
10	SHILLONG	Z	iP	12	39	16		Slight, distant
10	SHILLONG	Z	i	12	59	53		Slight
			i	13	00	07		
10	SHILLONG	Z	e	17	30	25		Slight
			e		30	38		
10	SHILLONG	Z	iP	17	57	58		Slight, distant rarefaction
10	SHILLONG	Z	i	19	54	11		Slight
			e		54	57		
10	SHILLONG	Z	e	22	16	17		Slight
11	SHILLONG	Z	iP	00	14	15		Slight, distant Compression
11	SHILLONG	Z	iP	00	31	00		Slight, distant rarefaction
11	SHILLONG	Z	iP	07	54	29		Slight, distant
	CHATRA	Z	i	07	54	43		Feeble, distant
11	SHILLONG	Z	iP	09	41	30		Slight, distant compression
	CHATRA	Z	i	09	42	04		Feeble, near.
11	SHILLONG	Z	eP	13	26	49		Slight, distant
11	SHILLONG	Z	eP	14	05	29		Slight, near
			i		05	43		
11	SHILLONG	Z	iPg	15	35	58	70	Feeble, local
			iSg		36	06		
	Epc: 21°S, 69°W. Northern Chile - H.=19h 10m 20s G.M.T.(U.S.C.G.S) Mag: 6¼(Berkeley) 6½(Pasadena).							
	SHILLONG	Z	iP	19	29	25		Slight, distant compressopm
			i		30	15		
	DEHRA DUN	NE	e	19	30	07		Tremor
	CHATRA	Z	i	19	30	22		Slight, distant
11	SHILLONG	Z	e	23	26	36		Slight
12	CHATRA	Z	i	03	41	42		Feeble, near
	SHILLONG	Z	iPg	04	32	51	70	Feeble, local
			iSg		32	59		
12	SHILLONG	Z	iP	18	18	09		Slight distant rarefaction
12	CHATRA	Z	iPg	20	19	14	130	Feeble
			iSg		19	31		
12	CHATRA	Z	iP	23	31	14	1790	Feeble
			iS		34	13		
12	CHATRA	Z	iP	23	49	03	380	Feeble
			iS		49	45		
13	DEHRA DUN	NE	e	01	29	32		Tremor
13	SHILLONG	Z	iP	05	23	13		Slight, distant compression
13	SHILLONG	Z	iP	08	22	53		Slight, distant compression
13	SHILLONG	Z	ePg	11	15	39	70	Feeble, local
			eSg		15	47		
13	SHILLONG	Z	iP	12	15	32		Slight, distant rarefaction
13	Epc: 24½°N, 94°E. India Burma Border - H.= 15h 28m 06s G.M.T.(U.S.C.G.S)							
	SHILLONG	ZNE	iP	15	28	43	1770	Slight, near
		NE	PP		28	49		
			PPP		28	54		
			iSg		29	07		
			SSS		29	27		
	TOCKLAI	E	e	15	28	48		Slight, near
			i		28	56		
			i		29	08		
			i		29	13		
			e		29	40		
			e		29	51		
			e		29	58		
			e		30	02		
	CHATRA	Z	iP	15	29	49	720	Slight
		ZNE	iS		31	04		
13	SHILLONG	Z	eP	16	21	50	420	Feeble, near
			eS		22	30		
13	SHILLONG	Z	eP	19	38	17		Feeble, near No other phases.
14	CHATRA	Z	iP	12	30	32	250	Feeble
			iS		31	01		
14	SHILLONG	Z	iP	15	33	43		Slight, distant compression
14	CHATRA	Z	iPg	18	13	03	120	Feeble
			iSg		13	19		
15	SHILLONG	Z	iP	01	10	12		Slight, distant
15	SHILLONG	Z	iP	05	37	04	230	Feeble
			iSg		37	33		
	CHATRA	Z	eP	05	38	03	790	Feeble
			iS		39	25		
15	CHATRA	Z	i	08	08	46		Feeble, distant
	SHILLONG	Z	i	08	09	15		Feeble
15	SHILLONG	Z	iPg	15	14	27	110	Feeble, near
			iSg		14	41		
15	SHILLONG	Z	iP	19	35	26		Slight, distant compression
15	DEHRA DUN	NE	e	21	43	34		Tremor
	SHILLONG	Z	eP	21	45	43		Slight, distant
16	SHILLONG	Z	eP	00	39	42		Slight, distant
16	SHILLONG	Z	iP	01	58	41		Slight, distant compression
16	SHILLONG	Z	eP	04	04	01		Slight, distant.

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					July 1958			
16	SHILLONG	Z	iPg	08	25	54	70	Feeble
			iSg		25	03		
16	SHILLONG	Z	e	11	27	12		Slight
16	SHILLONG	Z	ePP	17	05	38		Slight, distant
16	SHILLONG	Z	iP	18	37	40		Slight, distant Compression
17	CHATRA	Z	eP	03	42	11	760	Feeble
			iS		43	30		
	SHILLONG	Z	e	03	43	09		
17	CHATRA	Z	i	05	46	33		Slight, distant
	SHILLONG	Z	e	05	47	02		Slight
17	SHILLONG	Z	iP	06	36	30		Slight, distant
17	DEHRA DUN	NE	e	08	12	43		Tremor
17	DEHRA DUN	NE	e	08	23	54		Tremor
17	CHATRA	Z	eP	08	42	29	600	Feeble
			iS		43	32		
17	SHILLONG	Z	eP	11	00	31	270	Feeble, near
			iPg		00	37		
			eS		01	01		
			iSg		01	08		
17	SHILLONG	Z	iPg	16	42	12	110	Feeble, rarefaction
			iSg		42	25		
17	SHILLONG	Z	iP	19	13	31		Slight, distant rarefaction
17	SHILLONG	ZN	iP	19	13	37		Slight, distant (Record affected by phases due to previous shock).
	CHATRA	Z	i	19	13	52		Feeble, distant
17	SHILLONG	Z	iP	19	41	00		Slight, distant compression
	CHATRA	Z	i	19	41	15		Feeble, distant
17	SHILLONG	Z	iP	20	39	06		Slight, distant Compression.
17	Epc: 51°N, 177½°E ANdreanof Island. Aleutian Islands. - H = 21h (U.S.C.G.S) Mag: 6 (Berkeley).							
	SHILLONG	ZN	iP	21	10	46	7840	Moderate, distant
		N	iS		19	59		Compression. No other phase.
	TOCKLAI	E	e	21	10	56		Slight, distant
	CHATRA	Z	i	21	11	01		Feeble, distant
	DEHRA DUN	NE	e	21	11	11		Feeble
17	SHILLONG	Z	iP	21	21	41		Slight, distant compression
17	Epc: 25½°N, 124°E. Rynkyn Island Region. - H = 21h 38m 05s G.M.T. (U.S.C.G.S)							
	TOCKLAI	E	e	21	41	01		Slight, near
	SHILLONG	Z	eP	21	41	06		Slight, bear
			i		42	01		
17	SHILLONG	Z	e	23	11	01		Slight
18	Epc: 51°N, 176½°W. Andreanof Island, Aleutian Islands - H = 00h 39m 18s (U.S.C.G.S) Mag: 5¾ (Berkeley)							
	TOCKLAI	E	e	00	50	31		Slight, distant
	SHILLONG	ZN	iP	00	50	42	1900	Moderate, distant compression
		N	PP		53	22		
			iS		59	59		
			PPS	01	00	39		
			SS		05	18		
	CHATRA	Z	i	00	50	57		Slight, distant
	BOKARO	NE	eP	00	51	12	7930	Moderate, other phases unidentifiable.
			eS	01	01	30		
	BOMBAY	N	eP	00	52	38	10143	Slight
			SKS	01	03	03		
			eS		03	35		
	DEHRA DUN	NE	e	00	53	09		Tremor
18	SHILLONG	Z	eP	02	21	02		Slight, near
18	SHILLONG	Z	iP	02	35	28		Slight, distant compression
18	SHILLONG	Z	iP	07	38	04		Slight, distant compression
18	SHILLONG	Z	iP	18	26	32		Slight, distant rarefaction
18	SHILLONG	Z	iP	18	46	50		Slight, distant rarefaction
18	CHATRA	Z	i	18	47	33		Feeble, distant
18	SHILLONG	Z	eP	19	09	33		Slight, near
18	SHILLONG	Z	eP	20	12	34		Slight, near
			e		12	53		
			i		15	15		
18	TOCKLAI	E	e	21	43	34		Slight, distant
	SHILLONG	Z	iP	21	43	34		Slight, distant
18	SHILLONG	Z	iP	21	44	05		Slight, distant rarefaction
18	DEHRA DUN	NE	e	21	45	48		Feeble, phases
			e		51	41		not clear
18	CHATRA	Z	i	22	44	33		Slight, distant
19	Epc: 4°S, 138½°E. New Guinea. - h about 150 km. ca. - H = 05h 30m 19s G.M.T. (U.S.C.G.S)							
	TOCKLAI	Z	iP	06	39	25		Slight, distant East.
	SHILLONG	ZNE	iP	06	39	31	6030	Moderate, distant
		NE	i		40	08		rarefaction,
			i		40	23		first movement
			iS		45	57		South and East.
			i		48	01		
			i		49	04		Depth = 100 km. ca.
	CHATRA	Z	iP	06	40	05	6300	Slight
		E	iS		47	57		
	DEHRA DUN	NE	eP	06	41	05	7110	Slight
		N	PP		43	28		
			iS		49	41		
			SS		553	36		
			Lq		57	15		
			M	07	05	26		
	BOMBAY	N	e	06	49	58		Very slight
	HYDERABAD	E	i	06	48	51		
19	SHILLONG	Z	iP	15	05	41		Slight, distant compression
	CHATRA	Z	i	15	06	08		Feeble, distant
19	SHILLONG	Z	iP	17	34	43		Slight, distant compression
	CHATRA	Z	i	17	34	57		Feeble, distant
19	SHILLONG	Z	iP	17	45	24		Slight, distant Rarefaction
	CHATRA	Z	i	17	46	00		Feeble, distant
	DEHRA DUN	NE	e	17	47	11		Tremor
19	Epc: 0°, 129½°E. Spice Islands - H = 18h 16m 52s G.M.T. (U.S.C.G.S)							
	PORT BLAIR	N	iP	18	24	23	4550	Moderate. Depth
			pP		25	17		about 200 kms. ca.
			PP		25	55		
			iS		30	18		
			sS		31	46		
	TOCKLAI	E	iP	18	24	59		Slight, distant First movement East.
	SHILLONG	ZNE	iP	18	25	07	4960	Moderate,
		E	i		26	19		rarefaction. First
			i		27	05		movement South
		NE	iS		31	44		and East
		E	i		34	02		
	BOKARO	NE	iP	18	25	43	5520	Moderate. First
		E	pP		26	09		movement South
			PP		27	30		and East.
			PPP		28	20		Probable depth
			iS		32	46		100 km. ca.
			PPS		33	04		
			sS		33	33		
			Lq		37	20		
			Lr		39	41		
	CHATRA	ZE	iP	18	25	44	5720	Slight
		E	iS		33	04		
	KODAIKANAL	E	e	18	25	51		Tremor
	MADRAS	E	iP	18	25	58	5550	Moderate. First
			i		26	20		movement East.
			PcP		26	57		
			PP		27	55		
			PPP		28	59		
			ScP		30	49		
			iS		33	08		
			PS		33	15		
			PPS		33	23		
			ScS		35	22		
			SS		36	24		
			Lq		38	25		
			Lr		40	57		
			M		45	59		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					July 1958			
19 Contd.	COLOMBO	E	P	18	25	10		
			iS		33	20		
			L		45	00		
			M		51	20		Amp. = 0.7 mm
	HYDERABAD	E	iP	18	26	16	5830	Moderate. First movement East.
			PP		28	19		
			PPP		29	22		
			iS		33	42		
			PPS		34	01		
			ScS		35	44		
			SS		37	37		
			SSS		39	15		
			Lr		42	19		
			M		47	13		Per. = 23 secs A = 15
	DEHRA DUN	NE	eP	18	26	51	6310	Moderate
		N	PP		28	56		
			PPP		30	17		
			iS		34	44		
			SS		38	59		
			Lq		40	30		
			Lr		43	10		
			M		47	19		
	BOMBAY	E	eP	18	26	53	6570	Slight
			e		28	58		
		N	e		33	20		
		NE	eS		35	00		
		N	M		58	02		Per. = 15 secs A = 7
19	SHILLONG	Z	iP	19	43	51		Slight, distant compression
19	SHILLONG	Z	i	21	11	34		Slight
19	SHILLONG	Z	iP	22	22	21		Slight, distant Rarefaction
19	SHILLONG	Z	e	23	08	06		Slight
			i		08	09		
20	SHILLONG	Z	iP	03	25	16		Slight, distant Compression
20	SHILLONG	Z	eP	03	52	58		Slight, distant
20	SHILLONG	Z	e	10	56	50		Slight, distant
20	SHILLONG	Z	e	12	03	02		Slight, distant
20	SHILLONG	Z	e	17	54	16		Slight, local
20	SHILLONG	Z	eP	18	48	06		Slight, distant
20	SHILLONG	Z	e	18	51	10		Slight, distant
20	SHILLONG	Z	iP	19	36	16		Slight, distant compression
20	TOCKLAI	E	iP	20	39	59		Slight, distant Firstmmovement Fast.
	SHILLONG	Z	iP	20	40	24		Slight, near
			i		41	19		Compression.
	CHATRA	Z	iP	20	41	19		Feeble
			i		42	59		
20	SHILLONG	Z	eP	20	57	09		Slight, distant
21	SHILLONG	Z	e	00	15	39		Slight, near
21	SHILLONG	Z	eP	00	34	58		Slight, near
			i		35	31		
21	Epc: 44½°N, 147½°E. Kurile Islands. - H = 07h 24m 58s C.M.T. (U.S.C.G.S)							
	SHILLONG	ZE	iP	07	33	44		Slight, distant Compression
		N	eP					
		E	i		33	55		First movement
		NE	i		35	40		West.
		N	i		44	27		
	TOCKLAI	E	e	07	34	03		Slight, distant
	CHATRA	ZE	iP	07	34	08	5910	Slight
		E	iS		41	38		
	BOKARO	NE	eP	07	34	23	6020	Moderate. Other phases unidentifiable.
		N	iP		41	59		
	DEHRA DUN	NE	eP	07	34	39	6110	Slight
		N	PPP		37	42		
			iS		42	20		
			Lq		48	47		
			M		56	25		
	AGRA	ZNE	iP	07	34	52		Moderate,
		Z	i?		34	55		compression.
		ZNE	i?		35	08		First movement
		E	i?		35	28		South and West.
		Z	PcP		35	02		
			PP		37	08		
			PPP		38	15		
		ZNE	iS		42	47		
		ZN	PS		42	54		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
21 Contd.	AGRA Contd.	ZNE	PPS	07	43	04		
		NE	ScS		44	57		
			SS		47	01		
		ZNE	M	08	00	25		Per. = 20 secs Amp. = 29.0 mm
	HYDERABAD	E	eP	07	35	29	7220	Slight
			PP		38	22		
			iS		44	11		
			SKS		45	42		
			SS		48	32		
			M	08	01	53		Per. = 15 secs A = 4
	BOMBAY	N	eP	07	35	51	7910	Slight
			eS		45	08		
21	SHILLONG	Z	e	10	45	44		Slight, near
21	Epc: 51½°N, 178°W. Andreanof Islands, Aleutian Islands - H = 14h 37m 18s G.M.T. (U.S.C.G.S) Mag: 6¼ (Berkeley)							
	TOCKLAI	E	eP	14	48	20		Slight, distant
	SHILLONG	ZNE	iP	14	48	32	7730	Moderate, compression. First movement South and West.
		NE	iS		57	41		
		E	i		58	14		
	CHATRA	ZE	iP	14	48	49	8040	Slight
		E	iS		58	12		
	DEHRA DUN	NE	e(P)	14	49	00	8150	Slight
			i(S)		58	29		
	BOKARO	NE	iP	14	49	03	8310	Moderate. First movement South and West. Other phases unidentifiable.
		N	iS		58	40		
	AGRA	ZNE	iP	14	49	11	8420	Moderate, compression.
		N	PcP		49	25		
		Z	i?		49	55		First movement
			PP		51	59		South and West.
		ZNE	iS		58	53		
		N	i?		59	07		
		ZN	SKS		59	31		
		E	PPS		59	51		
		ZN	M	15	17	41		Per. = 20 secs Amp. = 16.5 mm
	HYDERABAD	E	eP	14	49	54	9280	Slight
			iS	15	00	16		
			PS		00	56		
			Lr		17	08		
			M		24	21		Per. = 18 secs A = 10
	BOMBAY	N	eP	14	50	02	9550	Slight
			eS	15	00	36		
21	SHILLONG	Z	eP	16	20	12		Slight, distant
21	SHILLONG	Z	iP	18	45	27		Slight, distant
		E	eP					Rarefaction
	CHATRA	Z	i	18	45	52		Feeble, distant
	SHILLONG	Z	e	22	29	16		Slight, Near
21	SHILLONG	Z	iP	05	20	03		Slight, distant Compression
	CHATRA	Z	i	05	20	18		Feeble, distant
22	CHATRA	Z	iPg	05	34	01	190	Feeble
			iSg		34	13		
22	SHILLONG	Z	ePg	11	11	16		Slight, near
			eSg		11	28		
22	SHILLONG	Z	e	17	33	56		Slight, distant
22	DEHRA DUN	NE	e	19	41	12		Tremor
22	SHILLONG	Z	iP	20	36	10		Slight, distant Compression
	CHATRA	Z	i	20	36	54		Feeble, distant
22	SHILLONG	Z	e	22	19	45		Slight, distant
22	CHATRA	Z	i	22	58	05		Feeble, distant
23	TOCKLAI	E	eP	02	29	02		Slight, near
			i		29	12		
			i		29	34		
	SHILLONG	Z	iP	02	29	32		Slight, near Compression
			i		29	45		
			i		29	53		
			i		30	17		
			i		30	23		
		ZE	i		30	46		
		E	i		31	09		
		Z	i		31	19		
	CHATRA	Z	i	02	30	21		Slight, distant
23	Epc: 31°N, 142°E. South of Honsu, Japan. - H = 10h 27m 19s G.M.T. (U.S.C.G.S)							

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					July 1958			
23 Contd.	SHILLONG	ZE	eP	10	35	30	4880	Slight
		N	i		37	44		
		E	i		37	46		
			S		42	02		
			i		45	33		
	CHATRAA	Z	iP	10	35	59	5410	Slight
		E	iS		43	01		
	MADRAS	E	e	10	35	53		Moderate.
			e		37	24		Phases uniden-
			i		41	19		tifiable due
			i		45	38		to microseisms.
	BOKARO	NE	eP	10	36	14	5520	Moderate
		E	PP		38	12		
			PPP		39	12		
			iS		43	29		
			PPS		43	55		
			SS		46	46		
			Lq		48	18		
			Lr		50	48		
			M		55	27		Per.=23 secs
								μ =29
	DEHRA DUN	NE	eP	10	36	51	5580	Slight
		N	PP		38	45		
			iS		44	09		
			SSS		48	53		
			Lr		51	45		
			M		55	24		
	HYDERABAD	E	eP	10	37	18	6500	Moderate
			PcP		37	54		
			PP		39	33		
			PPP		41	03		
			PcS		42	04		
			iS		45	27		
			PS		45	45		
			PPS		45	56		
			ScS		47	17		
			SS		49	21		
			SSS		52	10		
			Lr		55	00		
			M		59	55		Per.=15 secs
								μ = 5
	COLOMBO	E	e	10	38	--		Trace faint
			S		48	50		
			L	11	08	35		
			M		14	20		Amp.=0.5 mm
	BOMBAY	N	e	10	40	16		Slight
		E	e		47	36		
		NE	e		47	46		
		N	M	11	07	51		Per.=15 secs
								μ = 6
		E	M		09	--		
23	DEHRA DUN	NE	e	13	22	45		Feeble
	SHILLONG	Z	iP	13	26	27		Slight, distant
								Compression
	CHATRA	Z	iP	13	24	38	3760	Slight
		E	iS		30	00		
	HYDERABAD	E	M	13	29	47		Per.= 9 secs
								μ = 3
	MADRAS	E	i	13	32	18		
	SHILLONG	Z	iPg	15	45	51		Slight, near
		E	ePg					Rarefaction
		Z	i		45	31		
		E	i		46	36		
	CHATRA	Z	iP	15	46	39	990	Slight
		ZNE	iS		48	21		
23	SHILLONG	Z	e	16	23	36		Slight, local
24	SHILLONG	Z	iPg	03	51	57		Slight, near
			i		52	08		Rarefaction
24	SHILLONG	Z	e	10	52	25		Slight, near
24	SHILLONG	Z	e	12	55	41		Slight, near
			i		56	18		
24	SHILLONG	Z	iP	13	19	49		Slight, distant
								Compression
	CHATRA	Z	i	13	20	00		Feeble, distant
24	SHILLONG	Z	iPg	13	22	02		Slight,
			iSg		22	32		compression
24	CHATRA	Z	iP	13	23	03	290	Feeble
			iS		24	25		
24	CHATRA	Z	iP	15	22	02	190	Feeble
			iS		22	25		
24	SHILLONG	Z	eP	19	32	49		Slight
			i		33	51		
	TOCKLAI	E	eP	19	32	59		Slight
			i		33	08		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
24	SHILLONG	Z	e	22	43	15		Slight, near
25	SHILLONG	Z	eP	09	47	09		Slight, distant
25	CHATRA	Z	iP	17	12	01	150	Feeble
			iS		12	20		
	SHILLONG	Z	e	17	13	29		Slight, near
25	SHILLONG	Z	iP	17	58	07		Slight, distant
								Rarefaction
25	SHILLONG	Z	e	18	57	10		Slight, distant
25	CHATRA	Z	iP	22	49	44	190	Feeble
			iS		50	07		
26	SHILLONG	Z	eP	00	16	29		Slight,
			i		17	31		near
26	Epc: 40°S, 45½°E. South Indian Ocean. - H = 05h 13m 50s G.M.T.(U.S.C.G.S)							
	HYDERABAD	N	eP	06	24	34	6990	Moderate
			iS		33	04		
			PS		33	25		
			PPS		33	51		
		E	Lr		41	22		
			M		45	51		Per.=15 secs
								μ = 6
	BOMBAY	N	eP(?)	06	24	45	6670	Very slight
		NE	eS		32	57		
		N	M		54	24		Per.=13 secs
								μ = 2
	CHATRA	Z	iP	06	25	44	8710	Slight
		E	iS		35	40		
	SHILLONG	Z	eP	06	25	49		Slight, distant
26	SHILLONG	Z	e	12	21	56		Slight,
			i		22	15		near
26	CHATRA	Z	i	15	40	19		Feeble, distant
	SHILLONG	Z	e	15	41	55		Slight, distant
26	SHILLONG	Z	iP	16	00	13		Slight, distant
								Rarefaction
26	SHILLONG	Z	eP	17	01	5½		Slight, near
26	Epc: 13½°S, 69°W. Peru-Bolivia Border. -h about 650 km. - H = 17h 37m 09s G.M.T.(U.S.C.G.S) Mag: 7 - 7¼ (Pasadena), 7½ (Berkeley).							
	BOMBAY	NE	ePKP3	17	55	39	15370	Moderate.
			i		55	58		Very deep.
		E	PP		58	33		
		N	PP		58	42		
		E	PKS1		59	38		
		N	SKS1	18	03	01		
		E	SKS1		03	08		
			SKKS1		05	14		
			SKKKS1		05	46		
		N	PKKP1		07	42		
		E	PKKS1		09	08		
			PPS		10	03		
		N	PPS		10	31		
			SKKKS		13	09		
			eSS		16	41		
			SSP		17	57		
			SSS		22	45		
	DEHRA DUN	NE	e	17	55	46		Moderate
			i		57	14		
			i		58	59		
			i		59	45		
			i	18	00	41		
			i		01	54		
			i		05	14		
			i		17	17		
	COLOMBO	E	iP	17	55	50		
			S		--	--		
			L	18	59	20		
			M	20	12	10		Amp.=1.0 mm
	KODAIKANAL	E	iP	17	55	51	2310	Phases not clear
			iS		59	39		First movement
								West.
	HYDERABAD	E	PP	17	55	52	12380	Moderate
			PPP		58	23		
			SKS1	18	01	28		
			PS		05	21		
			PPS		06	19		
			PKKS1		08	56		
			i		09	40		
			SSP		12	04		
		N	i		17	34		
			Lq		23	01		
			Lr		29	57		
			M		39	23		Per.=24 secs
								μ =16
	MADRAS	E	eP	17	55	54	8360	Moderate
			PcP		56	06		
			PP		58	57		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					July 1958			
26 Contd.	MADRAS Contd.	E	PPP	18	00	39		
			eS		05	33		
			SKS		05	48		
			ScS		05	51		
			PS		06	15		
			PPS		06	37		
			SS		10	41		
			SSS		14	00		
			Lq		15	47		
			Lr		20	25		
	BOKARO	E	iP	17	55	59	2520	Moderate.
			PP		56	33		First movement
			PPP		56	46		West.
			iS	18	00	11		
			Lq		00	46		
			Lr		01	53		
			M		03	52		Per. = 15 secs
								μ = 32
	CHATRA	Z	iP	17	55	59	8890	Slight
		E	iS	18	06	03		
	SHILLONG	Z	iP	17	56	03		Moderate,
		NE	eP					distant.
		N	i		56	50		Compression
			i		58	57		
			i	18	00	27		
		E	i		00	34		
		N	i		05	31		
		E	i		06	23		
		N	i		09	42		
	VIZIANAGRAM	NE	eP	17	56	06		Slight, distant
	TOCKLAI	E	eP	17	56	07		Slight, distant
			i		58	31		
	PORT BLAIR	E	iP	17	56	09	9750	Great, deep.
			i		57	28		
			PP	18	00	47		
			iS		06	51		
			PS		07	55		
			i		09	07		
			i		10	54		
			SKKS2/Lq		20	14		
26	SHILLONG	ZE	eP	19	10	06		
		E	i		10	11		
	TOCKLAI	E	e	19	11	26		Slight, distant
26	SHILLONG	Z	iP	20	40	58		Slight, distant Compression
26	SHILLONG	Z	e	20	42	23		Slight, local
26	SHILLONG	Z	ePg	21	54	19		Slight, near
			iSg		54	36		
27	SHILLONG	Z	iP	03	30	47		Slight, distant Compression
27	SHILLONG	Z	ePg	08	50	53		Slight, near
			eSg		50	59		
27	SHILLONG	Z	eP	13	27	00		Slight, near
			i		27	15		
27	SHILLONG	Z	eP	14	07	37		Slight, near
27	SHILLONG	Z	eP	17	02	53		Slight, distant
27	Epc: 28½°S, 52°E. South Indian Ocean. - H = 17h 19m 03s G.M.T. (U.S.C.G.S)							
	BOMBAY	N	eP	17	27	48	5410	Very slight
			eS		34	50		
	CHATRA	Z	i	17	29	14		Feeble, distant
	DEHRA DUN	NE	e	17	29	16		Feeble
			i		37	28		
	SHILLONG	Z	iP	17	29	17		Slight, distant Rarefaction
	HYDERABAD	E	M	17	40	52		Per. = 15 secs
								μ = 4
28	SHILLONG	Z	iP	01	33	29		Slight, distant Rarefaction
28	SHILLONG	Z	eP	10	02	44		Slight, near
			i		02	49		
	CHATRA	Z	iP	10	03	34	990	Slight
		ZE	iS		05	16		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
28	SHILLONG	Z	iP	15	42	59		Slight, near
			i		43	38		Compression
28	SHILLONG	Z	e	17	37	30		Slight, distant
28	SHILLONG	Z	e	18	53	50		Slight, distant
28	SHILLONG	Z	eP	21	44	40		Slight, near
			e		44	42		
			i		44	51		
28	SHILLONG	Z	e	23	36	40		Slight, local
29	SHILLONG	Z	eP	04	46	04		Slight, near
			i		46	05		
			i		46	27		
29	SHILLONG	Z	e	05	44	27		Slight, distant
29	CHATRA	Z	iPg	09	42	34	130	Feeble
			iSg		42	51		
29	SHILLONG	ZP	iP	11	06	05		Slight, distant
			e		08	14		Rarefaction
29	SHILLONG	Z	eP	15	56	18		Slight, distant
29	SHILLONG	Z	e	20	53	22		Slight, local
30	Epc: 44½°N, 148½°E. Kurile Islands - H = 02h 47m 17s G.M.T. (U.S.C.G.S)							
	SHILLONG	Z	iP	02	56	09		Slight, distant Compression
	DEHRA DUN	NE	e	02	57	05		Feeble
			i	03	05	46		
	AGRA	ZNE	iP	03	05	11		Slight, rarefaction. First movement North and West. Per. = 18 secs Amp. = 4.5 mm
			M	--	--	--		
30	Epc: 2½°S, 140°E. New Guinea - H = 04h 44m 53s G.M.T. (U.S.C.G.S)							
	SHILLONG	Z	eP	04	54	21		Slight, distant
	DEHRA DUN	NE	e(P)	04	55	24	7310	Slight, phases
			i(P)					not clear
30	SHILLONG	Z	e	07	06	52		
30	SHILLONG	Z	iP	07	46	06		Slight, distant Compression
30	SHILLONG	Z	e	09	32	54		Slight, distant
30	SHILLONG	Z	i	15	30	10		Tremor
30	SHILLONG	Z	e	17	08	39		Slight, near
			i		09	08		
30	SHILLONG	Z	iP	20	25	55		Slight, distant Compression
30	SHILLONG	Z	eP	20	34	48		Slight, distant
31	SHILLONG	Z	e	01	08	02		Slight, near
31	SHILLONG	Z	iP	02	15	13		Slight, distant Compression
31	SHILLONG	Z	eP	10	30	22	110	Slight
			iS		30	36		
31	SHILLONG	Z	eP	10	59	17		Slight, distant
31	SHILLONG	Z	eP	15	57	28	530	Slight
			iS		58	25		

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Earthquake Reports
(Non Instrumental Reports)

The following table contains a list of earthquakes that were reported by Voluntary Observers from various stations during the month of July 1958.

Place at which felt	Date	Time at which felt G. M. T.	Duration in secs	Intensity in R.F. scale	No. of shocks	Remarks
		h. m.				
North Lakhimpur	23	15 50	about 7	V	1	
Shillong	27	14 09	1	IV	1	
Shillong	27	19 10	about 5	IV	1	
North Lakhimpur	28	10 03	about 2	V	1	

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MICROSEISMIC TABULATION

July 1958

Station: SHILLONG Compt.: E.W

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	-	0.20	-
	12	3	0.20	5.2
	18	3	0.24	5.7
02	00	3	0.25	5.0
	06	3	0.24	4.5
	12	-	-	-
	18	3	0.22	4.5
03	00	1	0.38	5.2
	03	-	-	-
	06	-	-	-
	09	1	0.48	6.5
	12	3	0.50	6.5
	18	1	0.48	5.5
	21	1	0.43	7.0
04	00	1	0.48	7.0
	03	1	0.50	7.0
	06	1	0.48	6.0
	09	1	0.60	6.5
	12	1	0.45	6.0
	15	1	0.45	6.5
	18	1	0.30	5.0
	21	1	0.30	6.0
05	00	1	0.30	6.0
	06	1	0.30	5.0
	12	1	0.30	6.0
	18	1	0.40	6.0
06	00	1	0.46	6.0
	06	-	-	-
	12	1	0.34	5.0
	18	1	0.30	5.5
07	00	-	-	-
	06	1	0.30	5.0
	12	-	-	-
	18	-	-	-
08	00	3	0.28	4.5
	06	3	0.28	5.0
	12	1	0.28	4.5
	18	1	0.30	4.7
09	00	1	0.30	5.5
	06	1	0.50	5.0
	12	1	0.50	5.0
	18	1	0.42	5.5
10	00	1	0.48	5.2
	06	-	-	-
	12	1	0.55	5.2
	18	1	0.50	5.0
11	00	1	0.42	5.0
	06	1	0.26	5.7
	12	1	0.30	5.0
	18	1	0.32	5.7
12	00	-	-	-
	06	-	-	-
	12	3	0.18	4.5
	18	1	0.42	5.5
13	00	1	0.42	5.2
	06	1	0.18	5.0
	12	-	-	-
	18	1	0.17	5.5
14	00	1	0.20	4.5
	06	1	0.24	4.5
	12	1	0.22	4.8
	18	1	0.24	5.0
15	00	1	0.26	5.0
	06	1	0.54	5.2
	12	1	0.55	5.0
	18	1	0.42	5.0
16	00	1	0.52	5.0
	01	1	0.46	5.0
	02	1	0.26	5.0
	03	1	0.30	4.5
	04	1	0.32	5.0
	05	1	0.30	5.0
16 Contd.	06	1	0.42	5.0
	07	1	0.35	5.0
	08	1	0.26	5.0
	09	1	0.28	5.2
	10	1	0.36	5.0
	11	-	-	-
	12	1	0.32	5.0
	13	-	-	-
	14	1	0.34	5.0
	15	1	0.20	4.7
	16	1	0.24	5.0
	17	1	0.36	5.0
	18	1	0.14	5.0
	19	1	0.20	5.0
	20	-	-	-
	21	1	0.26	5.2
	22	1	0.28	4.8
	23	1	0.28	5.0
17	00	1	0.36	5.0
	01	1	0.28	5.0
	02	-	-	-
	03	1	0.30	4.8
	04	1	0.30	5.0
	05	1	0.42	4.5
	06	1	0.40	5.0
	07	-	-	-
	08	1	0.44	4.8
	09	1	0.32	5.0
	10	1	0.32	5.2
	11	-	-	-
	12	1	0.30	5.0
	13	1	0.38	4.5
	14	1	0.30	5.0
	15	-	-	-
	16	1	0.32	4.5
	17	-	-	-
	18	1	0.38	5.0
	19	-	-	-
	20	1	0.30	5.0
	21	1	0.48	5.0
	22	1	0.36	4.6
	23	1	0.36	4.5
18	00	1	0.30	5.0
	06	1	0.24	5.0
	12	1	0.24	5.0
	18	-	-	-
19	00	1	0.22	4.7
	05	1	0.12	5.0
	12	1	0.18	5.0
	18	1	0.20	4.8
20	00	1	0.18	5.0
	06	1	0.12	5.0
	12	-	-	-
	18	1	0.20	5.0
21	00	1	0.24	4.9
	06	-	-	-
	12	1	0.22	5.0
	18	1	0.18	5.2
22	00	1	0.36	5.2
	06	-	-	-
	12	1	0.24	5.0
	18	1	0.22	4.8
23	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.20	5.0
24	00	1	0.19	4.9
	06	-	-	-
	12	-	-	-
	18	-	-	-
25	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
25	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
26	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
27	00	1	0.12	5.0
	01	1	0.12	4.5
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	1	0.12	5.0
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	1	0.24	5.0
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	3	0.12	5.2
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
28	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-

29 to 31 No record.

Station: COCHIN Compt.: E.W.

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
01	06	1	5.7	1.5
02	06	1	3.13	1.62
03	06	1	2.7	1.5
05	06	1	2.6	1.5
07	06	1	0.0	-
08	06	1	0.8	1.4
10	06	1	0.0	-
11	06	1	0.0	-
12	06	1	0.0	-
13	-	-	-	-
14	06	1	0.0	-
15	06	1	2.1	1.4
16	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
	08	3	0.0	-
17	04	-	-	-
	05	-	-	-
	06	-	-	-
23	06	1	0.0	-
25	06	3	0.0	-
26	06	-	1.8	1.4
27	05	3	0.0	-
	06	3	0.0	-
	07	1	0.0	-
29	06	1	1.93	1.4
30	06	1	0.0	-

Component: Vertical

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
01	06	1	3.3	1.1
02	06	1	2.1	1.2
03	06	3	0.0	-

COCHIN Compt: Vertical

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
05	06	1	0.0	-
07	06	3	0.0	-
08	06	3	0.0	-
10	06	1	0.0	-
11	06	1	0.0	-
12	06	-	-	-
14	06	1	0.0	-
15	06	1	0.0	-
16	04	3	0.0	-
	05	-	-	-
	06	1	0.0	-
	07	1	0.0	-
	08	1	0.0	-
17	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
23	06	1	0.0	-
25	06	1	0.0	-
26	06	1	0.0	-
27	05	3	0.0	-
	06	3	0.0	-
	07	1	0.0	-
29	06	-	-	-
30	06	-	-	-

Component: N.S

DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
01	06	-	-	-
02	06	3	1.3	1.4
03	06	-	-	-
04	No record			
05	06	3	0.0	-
07	06	3	0.0	-
08	06	3	0.0	-
10	06	3	0.0	-
11	06	3	0.0	-
12	06	1	0.0	-
14	06	3	0.0	-
15	06	2	-	-
16	04	2	-	-
	05	2	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
17	04	-	-	-
	05	-	-	-
	06	-	-	-
21	06	-	-	-
23	06	-	-	-
25	06	-	-	-
26	06	-	-	-
27	05	-	-	-
	06	-	-	-
	07	-	-	-
29	06	-	-	-
30	06	-	-	-

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July 1958

DATE	HOUR GMT	K	MEAN amplitude in Mmm	MEAN Period in secs
Station: BOMBAY Compt.: E.W.				
01	00	(2)	2.7	3.3
	06	(2)	2.7	3.3
	12	(2)	2.5	3.9
	18	(2)	2.5	3.4
02	00	2	2.3	3.5
	06	2	2.5	3.0
	12	2	2.3	3.3
	18	2	2.3	3.8
03	00	2	2.5	3.7
	06	-	-	-
	12	2	2.7	3.5
	18	2	2.4	2.8
04	00	2	2.2	3.4
	06	2	2.7	2.8
	12	2	2.5	3.3
	18	2	2.7	2.6
05	00	2	2.3	2.9
	06	2	1.9	3.1
	12	2	2.0	2.7
	18	2	1.9	2.9
06	00	2	1.7	2.9
	06	2	1.7	2.7
	12	2	1.7	3.0
	18	2	1.5	2.8
07	00	2	1.9	2.7
	06	2	1.7	2.8
	12	2	1.4	2.8
	18	2	1.3	2.8
08	00	2	1.6	2.6
	06	2	1.1	2.5
	12	2	1.3	2.5
	18	2	1.3	2.5
09	00	2	1.4	2.5
	06	2	1.3	2.3
	12	2	1.8	2.5
	18	2	1.9	2.6
10	00	2	1.9	2.4
	06	-	-	-
	12	2	2.9	2.9
	18	2	2.9	2.7
11	00	2	3.1	2.6
	06	2	2.5	2.7
	12	2	2.5	2.4
	18	2	2.6	2.5
12	00	2	3.3	2.7
	06	2	2.9	2.7
	12	2	3.1	2.6
	18	2	2.3	2.4
13	00	2	2.4	2.5
	06	2	2.3	2.7
	12	2	2.3	2.3
	18	-	-	-
14	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
15	00	-	-	-
	06	-	-	-
	12	2	2.6	3.9
	18	-	-	-
16	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	2	2.4	4.1
	12	2	2.3	4.4
	13	2	2.1	3.6
Station: BOMBAY Compt.: E.W.				
16 Contd.	14	2	2.1	4.4
	15	2	2.1	3.5
	16	2	2.2	3.1
	17	2	2.3	3.9
	18	2	2.4	4.2
	19	2	2.5	3.6
	20	2	2.1	3.8
	21	2	1.9	3.5
	22	2	2.3	3.7
	23	2	2.3	3.5
17	00	(2)	2.1	3.5
	01	2	2.2	4.1
	02	2	2.1	4.1
	03	2	2.1	4.0
	04	2	2.4	3.4
	05	2	2.3	3.8
	06	2	2.8	3.2
	07	2	2.9	3.6
	08	2	3.1	3.6
	09	2	2.7	3.4
	10	2	3.3	3.5
	11	2	3.1	3.2
	12	2	3.2	3.6
	13	2	3.0	3.5
	14	2	3.1	3.2
	15	2	2.9	3.2
	16	2	3.1	2.9
	17	2	3.5	3.1
	18	2	3.3	2.9
	19	2	3.3	3.3
	20	2	3.1	3.2
	21	2	3.1	3.2
	22	2	3.6	3.4
	23	2	3.3	3.3
18	00	2	3.1	3.5
	06	2	3.1	3.2
	12	2	3.1	3.5
	18	2	3.1	3.4
19	00	2	3.2	3.7
	06	2	3.7	3.9
	12	2	3.4	3.5
	18	2	3.1	3.2
20	00	2	3.1	3.8
	06	2	3.1	3.4
	12	2	2.9	3.7
	18	2	2.7	3.6
21	00	2	2.5	3.2
	06	2	2.7	4.0
	12	2	2.4	3.9
	18	2	2.4	3.4
22	00	2	2.5	3.5
	06	2	2.7	4.2
	12	2	2.7	4.0
	18	2	2.4	3.6
23	00	2	2.7	4.0
	06	2	2.7	4.2
	12	2	2.3	4.1
	18	2	2.4	3.6
24	00	2	2.7	3.5
	06	2	2.4	3.8
	12	2	2.5	3.4
	18	2	2.2	3.8
25	00	2	2.0	3.7
	06	2	2.0	3.2
	12	2	2.2	2.9
	18	2	1.9	3.3
26	00	2	1.9	3.2
	06	2	1.9	3.6
	12	2	2.1	2.9
	18	-	-	-
27	00	(2)	1.7	3.5
	01	2	1.7	3.7
	02	2	1.9	3.8
	03	2	1.9	4.1
	04	2	1.9	3.9
	05	2	1.9	4.4
	06	2	2.1	4.0
27 Contd.	07	2	2.2	4.1
	08	2	2.1	4.0
	09	2	2.1	4.0
	10	2	2.0	3.6
	11	2	2.1	4.6
	12	2	1.9	3.9
	13	2	2.1	3.5
	14	2	2.0	3.6
	15	2	1.9	4.1
	16	2	2.1	3.6
	17	2	1.9	3.2
	18	2	1.9	4.3
	19	2	1.9	4.1
	20	2	2.1	3.6
	21	2	1.9	4.4
	22	2	1.7	4.0
	23	2	2.1	4.5
28	00	2	1.9	4.2
	06	2	1.9	3.7
	12	2	1.9	4.0
	18	2	1.7	3.0
29	00	2	1.5	3.8
	06	2	1.8	3.6
	12	2	1.9	3.8
	18	2	2.0	3.9
30	00	2	1.9	3.8
	06	2	2.1	3.9
	12	2	2.2	4.0
	18	2	1.9	3.3
31	00	2	1.9	3.8
	06	2	2.1	3.9
	12	2	1.9	3.5
	18	2	1.7	2.9
Station MADRAS Compt. E.W.				
01	00	1	1.4	4.6
	03	1	1.5	5.0
	06	1	1.7	5.5
	12	1	2.0	5.4
	18	1	2.2	5.9
02	00	1	2.1	6.1
	06	1	2.0	5.9
	12	1	2.4	6.0
	18	1	2.5	6.2
03	00	1	2.5	6.0
	03	1	2.6	6.3
	06	1	2.6	6.4
	12	1	2.6	6.4
	18	1	2.2	6.3
04	00	1	2.4	6.1
	03	1	2.2	6.0
	06	1	2.5	6.3
	12	1	2.2	6.1
	18	1	2.3	6.1
05	00	1	1.8	5.5
	03	1	1.9	5.3
	06	1	2.0	5.8
	12	1	1.7	5.0
	18	1	1.7	5.3
06	00	1	1.5	5.3
	03	1	1.6	4.9
	06	1	1.6	5.3
	12	1	1.6	5.0
	18	1	1.5	5.0
07	00	1	1.3	4.7
	03	1	1.4	4.7
	06	1	1.5	4.5
	12	1	1.5	4.8
	18	1	1.5	4.7
08	00	1	1.4	3.6
	03	1	1.4	4.0
	06	1	1.5	4.1
	12	1	1.6	4.1
	18	1	1.8	4.3
09	00	1	1.6	4.3
	03	1	1.9	4.5
Station: MADRAS Compt.: E.W.				
09	06	1	2.0	4.5
Contd.	12	1	1.9	4.5
	18	1	2.2	4.9
10	00	1	2.0	4.9
	03	1	2.1	5.1
	06	1	2.0	4.9
	12	1	2.1	5.0
	18	1	2.3	5.1
11	00	1	2.3	5.3
	03	1	2.5	5.2
	06	1	2.5	5.4
	12	1	2.3	5.2
	18	1	2.4	5.4
12	00	1	2.1	5.3
	03	1	2.1	5.0
	06	1	2.1	5.2
	12	1	2.0	5.3
	18	1	1.9	5.1
13	00	1	1.9	5.2
	03	1	1.9	5.2
	06	1	1.7	5.2
	12	1	1.6	5.4
	18	3	1.5	5.2
14	00	3	1.4	4.8
	03	3	0.7	3.2
	06	1	0.8	2.9
	12	1	1.0	2.8
	18	1	0.9	2.7
15	00	1	1.0	2.6
	03	3	1.1	3.0
	06	1	0.8	3.0
	12	1	1.0	3.0
			1.4	4.0
	18	1	0.9	2.7
		3	1.3	4.2
16	00	1	1.1	2.7
		3	1.2	4.0
	01	3	1.1	3.6
	02	3	1.1	3.6
	03	3	1.1	3.2
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	1	1.4	3.8
	10	1	1.3	4.1
	11	1	1.5	3.9
	12	1	1.5	4.1
	13	1	1.4	4.0
	14	1	1.4	4.2
	15	1	1.5	4.0
	16	1	1.5	4.1
	17	1	1.4	4.0
	18	1	1.5	4.1
	19	1	1.5	4.1
	20	1	1.4	4.0
	21	1	1.4	4.2
	22	3	1.3	3.9
	23	3	1.1	3.8
17	00	3	1.2	3.5
	01	3	1.1	3.3
	02	3	1.1	3.8
	03	3	1.2	3.8
	04	3	1.1	3.3
	05	3	1.2	3.8
	06	3	1.1	3.6
	07	3	1.3	3.8
	08	3	1.2	3.9
	09	3	1.1	3.9
	10	3	1.3	3.8
	11	3	1.4	4.2
	12	3	1.6	4.4
	13	3	1.5	4.4
	14	3	1.5	4.5
	15	3	1.5	4.6
	16	3	1.5	4.6
	17	3	1.6	4.5
	18	3	1.5	4.7
	19	3	1.5	4.5

International Seismological Centre From the ISC collection scanned by SISMOS

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DATE	HOUR GMT	K	MEAN amplitude in mm	MEAN Period in secs
17	20	3	1.6	4.5
Contd.	21	3	1.5	4.4
	22	3	1.5	4.4
	23	3	1.5	4.2
18	00	3	1.6	4.3
	03	3	1.5	4.3
	06	3	1.5	4.3
	12	1	1.5	4.8
	18	1	1.6	4.7
19	00	1	1.4	4.5
	03	1	1.5	4.6
	06	1	1.6	4.8
	12	1	1.6	4.5
	18	1	1.6	4.7
20	00	1	1.6	4.6
	03	1	1.6	4.6
	06	3	1.5	4.5
	12	1	1.6	4.5
	18	1	1.6	4.6
21	00	1	1.5	4.5
	03	1	1.5	4.6
	06	1	1.5	4.5
	12	1	1.5	4.7
	18	3	1.3	4.5
22	00	3	1.3	4.3
	03	1	1.3	4.4
	06	1	1.5	4.6
	12	1	1.4	4.4
	18	1	1.2	4.2
23	00	-	-	-
	03	1	1.3	4.1
	06	1	1.4	4.6
	12	1	1.2	4.5
	18	1	1.2	4.5
24	00	1	1.2	4.3
	03	1	0.9	4.4
	06	1	1.2	4.9
	12	1	1.0	4.4
	18	1	1.0	4.4
25	00	1	0.8	4.3
	03	1	0.9	4.2
	06	1	0.9	4.5
	12	1	0.9	4.4
	18	1	1.0	4.5
26	00	1	0.8	4.2
	03	1	0.9	4.5
	06	1	1.0	4.7
	12	1	1.1	5.0
	18	1	1.0	5.0
27	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	1	1.1	4.8
	06	1	1.0	4.6
	07	1	1.0	4.5
	08	1	1.0	4.9
	09	1	1.1	4.7
	10	1	1.1	4.8
	11	1	1.1	4.7
	12	1	1.0	4.7
	13	1	0.9	4.5
	14	1	1.1	4.8
	15	1	1.0	4.7
	16	1	1.1	4.5
	17	1	1.0	4.7
	18	1	1.0	4.4
	19	1	1.0	4.4
	20	1	0.9	4.5
	21	1	1.0	4.7
	22	1	1.0	4.8
	23	1	1.0	4.5
28	00	1	0.9	4.5
	03	1	0.8	4.4
	06	1	0.9	4.5
	12	1	1.0	4.4
	18	1	1.0	4.6
29	00	1	0.9	4.4
	03	1	0.9	4.4
	06	1	0.8	4.2

Station: MADRAS Compt: N.S.

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
29	12	1	0.8	4.0
Contd.	18	1	0.8	4.1
30	00	1	0.8	4.1
	03	3	1.0	4.5
	06	3	1.1	4.3
	12	3	1.1	4.3
	18	3	1.2	4.6
31	00	3	1.1	4.4
	03	1	1.1	5.0
	06	1	1.0	4.9
	12	1	1.1	5.0
	18	1	1.2	5.1

Station: HOWRAH Compt: N.S

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
01	00	-	3.5	3.2
	06	-	4.1	3.3
	12	(3)	4.3	3.2
			3.3	2.4
	18	-	4.1	3.3
02	00	-	3.1	3.0
	06	-	3.4	3.2
	12	(3)	4.3	4.3
			3.3	3.3
	18	-	2.8	3.5
03	00	-	3.8	3.3
	06	-	4.3	3.9
	12	(3)	3.0	3.7
			3.0	2.8
	18	-	3.4	3.5
04	00	-	3.0	3.0
	06	-	4.3	2.9
	12	-	3.0	3.0
	18	-	2.9	2.7
05	00	-	3.1	3.1
	06	-	2.0	2.9
	12	(3)	3.3	4.1
			3.3	2.9
	18	-	3.5	4.3
06	00	(3)	3.1	4.5
			3.0	3.6
	06	-	2.7	3.9
	12	-	2.5	3.9
	18	(3)	2.7	3.6
			1.7	2.7
07	00	-	2.9	4.1
	06	-	3.2	3.5
	12	-	3.6	4.3
	18	-	2.8	4.3
08	00	(3)	2.8	4.0
			3.9	3.2
	06	(3)	3.7	4.0
			2.4	2.5
	12	-	4.5	4.2
	18	(3)	4.4	4.3
			2.7	2.9
09	00	(3)	5.5	4.7
			4.4	3.4
	06	(3)	5.6	3.4
			3.3	2.5
	12	-	5.1	3.2
	18	-	4.5	2.8
10	00	-	5.0	3.2
	06	-	-	-
	12	-	5.8	3.9
	18	-	6.8	3.7
11	00	-	5.2	3.5
	06	(3)	5.5	4.3
			4.5	3.2
	12	(3)	5.8	4.2
			4.4	3.6
	18	-	3.8	3.7
12	00	-	4.0	3.6
	06	-	3.4	3.8

Station: HOWRAH Compt.: N.S.

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
12	12	(3)	4.9	5.2
Contd.			4.2	4.0
	18	(3)	3.8	4.5
			2.5	3.1
13	00	(3)	2.9	3.9
			2.3	2.6
	06	(3)	4.9	5.0
			3.7	3.4
	12	(3)	3.2	4.1
			2.8	3.0
	18	-	3.3	3.9
14	00	(3)	3.5	3.7
			3.9	2.7
	06	(3)	4.8	4.5
			3.5	3.5
	12	(3)	3.7	4.4
			3.3	3.3
	18	-	3.3	4.0
15	00	(3)	3.5	3.7
			3.9	5.0
	06	-	4.4	4.3
	12	-	3.7	4.1
	18	(3)	4.6	4.1
			3.2	2.7
16	01	-	3.5	2.5
	02	-	3.5	2.6
	03	-	3.8	2.9
	04	-	4.1	2.8
	05	-	3.3	3.0
	06	-	-	-
	07	-	4.4	3.4
	08	(3)	4.4	4.3
			2.7	2.4
	09	-	5.6	3.4
	10	(3)	5.4	4.0
			3.1	2.8
	11	(3)	4.5	4.3
			3.4	3.4
	12	-	-	-
	13	-	3.0	3.0
	14	-	4.3	2.9
	15	(3)	3.3	4.1
			3.3	2.9
	16	(3)	4.8	3.9
			3.1	2.8
	17	-	4.4	3.4
	18	-	-	-
	19	(3)	5.4	4.0
			4.2	2.8
	20	-	3.7	2.9
	21	-	4.5	3.1
	22	-	3.9	3.2
	23	(3)	5.4	3.9
			4.3	2.9
17	01	-	3.9	3.2
	02	-	3.2	3.0
	03	-	3.4	2.9
	04	-	3.0	2.8
	05	(3)	3.7	4.1
			4.2	3.0
	07	-	3.9	3.4
	08	-	3.9	3.4
	09	-	4.5	3.8
	10	-	4.4	3.5
	11	-	4.0	3.6
	13	-	4.4	3.6
	14	-	4.3	3.9
	15	-	4.2	3.6
	16	-	3.9	3.7
	17	-	4.0	3.6
	19	-	4.0	3.6
	20	-	3.9	3.7
	21	-	3.8	3.7
	22	(3)	3.7	3.9
			3.0	3.0
	23	-	4.0	3.5
18	00	-	4.0	3.8
			3.0	3.1
	06	-	4.3	4.0
	12	-	4.7	4.3
	18	-	3.8	4.2
19	00	-	4.0	4.4

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
19	06	-	4.0	4.0
Contd.	12	-	4.4	4.6
	18	-	4.2	3.6
20	00	(3)	3.6	4.2
			2.9	3.3
	06	-	4.1	3.4
	12	-	4.3	4.3
	18	(3)	3.3	4.3
			2.8	3.3
21	00	(3)	3.9	4.4
			3.4	3.2
	06	-	3.1	2.8
	12	(3)	3.7	4.3
			2.3	3.3
	18	-	2.4	2.5
22	00	-	3.8	4.1
	06	(3)	3.5	3.6
			2.8	2.7
	12	-	3.4	3.9
	18	(3)	4.9	4.7
			3.2	2.8
23	00	(1)	4.8	2.9
	06	(1)	4.1	2.9
	12	(3)	3.7	4.6
			3.4	2.9
	18	-	3.1	3.5
24	00	-	2.5	2.6
	06	(3)	3.2	3.1
			3.4	4.2
	12	-	3.0	3.4
	18	-	2.8	3.7
25	00	-	2.9	2.8
	06	-	3.5	3.6
	12	(3)	3.2	3.1
			3.5	4.0
	18	(3)	2.3	4.0
			1.9	3.0
26	00	-	2.9	2.9
	06	-	3.0	3.1
	12	-	2.8	3.0
	18	(3)	2.3	4.0
			1.8	3.2
27	01	-	2.1	3.1
	02	-	2.2	3.4
	03	-	2.1	2.9
	04	-	2.2	3.1
	05	-	2.4	3.4
	07	-	2.2	3.5
	08	-	2.1	3.5
	09	-	1.9	3.3
	10	-	2.5	3.2
	11	-	2.2	3.4
	13	-	2.4	3.3
	14	-	2.2	3.3
	15	-	2.4	3.4
	16	-	2.1	3.5
	17	-	2.6	3.6
	19	-	2.2	3.6
	20	-	2.5	3.2
	21	-	2.3	3.1
	22	-	2.1	3.0
	23	-	2.3	3.0
28	00	-	2.3	3.0
	06	-	3.6	3.4
	12	(3)	2.4	3.9
			2.2	2.6
	18	-	2.1	3.9
29	00	(3)	2.7	4.0
			1.9	2.8
	06	-	3.4	3.8
	12	-	3.5	4.0
	18	(3)	3.7	4.5
			2.2	3.5
30	00	(3)	2.1	2.6
			3.0	4.2
	06	-	3.3	3.7
	12	-	3.5	5.1

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DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
Component: N.S.			Station: HOWRAH	
30	18	(3)	3.0	3.8
Contd.			2.0	2.9
31	00	-	2.1	3.7
	06	-	2.1	3.0
	12	-	3.0	3.6
	18	-	2.6	3.6
Component: E.W.				
01	00	-	3.4	3.3
	06	-	3.7	3.6
	12	-	3.6	3.4
	18	-	4.4	3.3
02	00	-	3.8	3.1
	06	-	3.2	3.2
	12	(3)	3.9	4.8
			3.8	3.8
	18	-	3.2	3.1
03	00	(3)	2.6	3.9
			3.1	5.2
	06	-	3.5	4.8
	12	-	4.7	4.8
	18	(3)	3.5	5.4
			3.4	3.9
04	00	-	3.5	3.3
	06	-	3.2	2.9
	12	-	2.9	3.2
	18	-	2.9	3.5
05	00	-	2.8	3.2
	06	(3)	3.6	4.2
			1.7	3.4
	12	-	2.5	3.6
	18	(3)	3.2	4.5
			2.0	3.5
06	00	-	2.8	4.7
	06	-	1.9	3.7
	12	-	2.2	3.8
	18	-	2.3	3.6
07	00	-	2.4	4.1
	06	-	3.1	3.7
	12	-	2.5	3.1
	18	-	3.5	4.2
08	00	-	2.4	3.8
	06	-	3.2	3.7
	12	-	4.8	4.9
	18	-	3.1	4.2
09	00	-	4.4	4.7
	06	-	4.2	4.1
	12	-	3.9	3.0
	18	(3)	4.8	4.2
			3.4	3.0
10	00	(3)	6.1	4.5
			2.9	2.9
	06	-	-	-
	12	-	5.5	4.2
	18	(3)	4.8	4.7
			4.1	3.4
11	00	(3)	4.3	4.4
			3.2	3.0
	06	-	4.7	4.1
	12	-	4.2	4.2
	18	(3)	3.9	4.4
			2.8	3.4
12	00	-	4.0	4.1
	06	-	4.0	4.2
	12	-	3.5	4.8
	18	-	3.2	3.9
13	00	-	3.7	4.5
	06	(3)	5.6	4.7
			2.7	3.1
	12	-	3.2	3.9
	18	-	2.8	3.8
14	00	-	2.6	3.4
	06	-	3.0	3.8
	12	-	3.1	4.2
	18	-	4.1	4.7

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
Compt: E.W.				July 1958
15	00	(3)	3.5	4.4
			2.5	3.2
	06	(3)	3.5	4.4
			3.0	3.5
	12	-	3.8	4.2
	18	(3)	4.8	4.5
			3.6	3.4
16	01	-	3.4	2.4
	02	-	3.7	2.5
	03	-	3.7	2.6
	04	-	3.5	2.7
	05	-	3.4	2.8
	07	(3)	3.4	3.9
			3.5	2.7
	08	-	3.8	3.4
	09	-	3.3	3.5
	10	-	3.2	3.5
	11	-	3.0	3.4
	13	-	3.0	3.5
	14	-	2.5	3.6
	15	-	3.2	3.7
	16	-	3.0	3.4
	17	-	3.3	3.5
	19	-	3.1	3.5
	20	-	3.4	3.8
	21	-	3.2	3.7
	22	-	3.5	3.8
	23	-	3.4	3.8
17	01	-	3.4	3.8
	02	-	3.1	3.7
	03	-	3.5	3.8
	04	-	3.5	3.7
	05	-	3.2	3.5
	07	-	3.4	3.8
	08	-	3.5	3.8
	09	-	3.4	3.9
	10	-	3.9	4.0
	11	-	3.2	3.9
	13	-	3.5	3.8
	14	-	3.6	4.1
	15	-	3.3	3.9
	16	-	3.5	3.8
	17	-	3.2	3.7
	19	-	3.3	3.8
	20	-	3.1	3.8
	21	-	3.5	3.9
	22	-	3.4	3.9
	23	-	3.5	3.8
18	00	(3)	3.9	4.8
			2.7	3.5
	06	-	-	-
	12	-	3.3	4.2
	18	-	4.1	4.3
19	00	-	3.7	4.4
	06	-	-	-
	12	-	3.8	4.3
	18	(3)	3.0	4.0
			2.3	2.9
20	00	(3)	3.5	4.9
			3.4	3.9
	06	(3)	4.7	4.5
			2.5	3.0
	12	-	3.1	4.1
	18	-	3.7	4.5
21	00	-	3.8	4.5
	06	(3)	4.2	4.1
			2.3	3.3
	12	-	3.5	4.3
	18	-	2.5	3.0
22	00	-	3.3	4.4
	06	(3)	3.1	4.3
			2.3	2.8
	12	(3)	3.4	4.2
			2.0	3.1
	18	(3)	2.8	3.8
			2.5	2.5
23	00	(3)	5.3	4.1
			3.3	3.1
	06	(3)	3.6	3.8
			3.1	2.7
	12	(3)	3.5	4.4
			2.5	3.1
	18	-	3.0	4.4

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
Station: HOWRAH				
24	00	(3)	3.5	4.9
			2.9	3.5
	06	-	-	-
	12	-	2.6	4.0
			2.3	3.2
	18	-	2.7	4.1
25	00	-	2.8	3.8
	06	-	2.3	2.8
	12	-	2.5	3.8
	18	-	2.3	3.5
26	00	(3)	2.6	4.4
			2.2	3.3
	06	-	2.3	2.8
	12	-	2.5	3.8
	18	-	2.3	3.5
			2.4	3.7
27	01	-	2.2	3.8
	02	-	2.1	4.0
	03 to 12 No redord			
	13	-	2.1	3.0
	14	-	1.8	3.4
	15	-	2.1	3.5
	16	-	2.0	3.5
	17	-	1.5	3.5
	19	-	2.3	3.9
	20	-	2.0	4.0
	21	-	1.6	3.6
	22	-	1.8	3.4
	23	-	1.7	3.7
28	00	-	2.2	3.9
	06	-	-	-
	12	-	2.4	3.7
	18	-	2.4	3.9
29	00	-	2.1	3.6
	06	-	-	-
	12	-	-	-
	18	(3)	2.3	4.1
			1.6	3.1
30	00	-	1.9	2.4
	06	-	-	-
	12	-	-	-
	18	-	2.4	4.0
31	00	-	3.5	2.3
	06	-	-	-
	12	-	-	-
	18	-	2.2	3.3
Component: Vertical				
01	00	-	-	-
	06	-	1.8	3.1
	12	-	2.2	2.9
	18	-	1.6	3.0
02	00	-	1.8	3.1
	06	-	1.9	3.1
	12	-	1.9	3.7
	18	-	2.1	4.1
			1.9	3.4
03	00	(3)	2.0	4.0
			1.5	3.1
	06	-	1.4	3.5
	12	0..	-	-
	18	-	1.6	3.4
04	00	-	1.3	3.2
	06	0..	-	-
	12	-	1.6	3.5
	18	-	1.3	3.9
05	00	-	0.8	3.2
	06	-	1.0	3.3
	12	-	0.9	3.4
	18	-	0.7	3.1
06	00	-	1.0	3.9
	06	-	0.9	3.0
	12	-	0.5	3.4
	18	-	0.6	3.6
07	00	-	0.7	3.8
	06	-	1.1	3.5

DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
Component: Vertical				
12				
07	12	-	0.6	3.6
Contd.	18	-	0.8	3.5
08	00	-	1.4	3.7
	06	-	0.9	3.5
	12	-	1.3	3.7
	18	-	1.2	3.3
09	00	-	1.5	3.3
	06	-	2.1	3.5
			1.2	2.8
	12	-	2.7	3.3
	18	-	2.2	3.4
10	00	-	3.9	3.3
	06	-	3.7	3.7
	12	-	3.7	3.5
	18	-	2.1	3.6
11	00	-	4.0	3.8
	06	-	2.2	3.5
	12	-	1.7	3.5
	18	-	1.4	3.4
12	00	-	1.6	3.3
	06	-	1.5	3.4
	12	-	1.0	3.7
	18	-	0.8	4.0
13	00	-	1.1	3.3
	06	-	-	-
	12	-	0.9	3.7
	18	-	0.9	3.3
14	00	-	1.2	3.4
	06	-	1.7	3.8
	12	-	1.2	3.8
	18	-	1.9	3.8
15	00	-	2.0	3.5
	06	-	1.4	3.5
	12	-	2.0	3.4
	18	(3)	1.8	3.6
			1.5	2.5
16	01	-	2.3	3.4
	02	-	2.5	3.6
	03	-	3.3	3.7
	04	-	2.8	3.5
	05	-	2.3	3.4
	07	-	2.0	3.3
	08	-	2.4	3.4
	09	-	2.5	3.5
	10	-	2.7	3.5
	11	-	2.7	3.3
	12	-	-	-
	13	-	2.5	3.3
	14	-	2.4	3.4
	15	-	2.6	3.4
	16	-	2.5	3.2
	17	-	2.4	3.2
	18	-	2.4	3.1
	20	-	2.5	3.3
	21	-	2.5	3.2
	22	-	2.8	3.5
	23	-	2.9	3.5
17	01	-	3.1	3.7
	02	-	2.4	3.2
	03	-	2.5	3.3
	04	-	2.2	3.2
	05	-	2.1	3.3
	06	-	-	-
	07	-	2.1	3.4
	08	-	2.0	3.5
	09	-	1.9	3.6
	10	-	1.7	3.5
	11	-	1.8	3.7
	13	-	1.8	3.7
	14	-	1.8	3.6
	15	-	1.8	3.5
	16	-	1.9	3.5
	17	-	1.9	3.6
	19	-	1.8	3.7
	20	-	1.8	3.5
	21	-	2.0	3.4
	22	-	1.9	3.4
	23	-	1.9	3.6

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DATE	HOUR GMT	K	MEAN amplitude (Micron)	MEAN Period in secs
Station: HOWRAH Compt: Vertical				
18	00	-	.2 3	3.4
	06	-	2.4	4.0
	12	-	1 7	3.5
	18	-	2.1	3.8
19	00	-	1.5	3.6
	06	-	2.5	3.6
	12	-	1.4	3.8
	18	(3)	2.0	3.8
			1.2	2.8
20	00	-	2.0	3.4
	06	-	2.4	3.4
	12	-	1.9	3.5
	18	-	2.9	4.0
21	00	-	1.7	3.2
	06	-	2.5	3.7
	12	-	1.7	3.5
	18	-	2.3	3.7
22	00	-	1.8	3.2
	06	-	2.4	3.2
	12	-	2.1	3.6
	18	-	2.1	3.5
			1.1	2.6
23	00	-	4.2	3.5
	06	-	3.1	2.9
	12	-	1.6	3.2
	18	-	2.0	3.3
24	00	-	2.3	3.4
	06	-	1.8	3.4
	12	-	2.5	4.0
	18	-	2.0	3.3
25	00	-	2.1	3.8
	06	-	1.8	3.5
	12	-	1.8	3.8
	18	-	1.7	3.2
26	00	-	2.0	3.0
	06	-	1.6	3.5
	12	(3)	1.5	3.3
			1.1	2.5
	18	-	1.8	3.5
27	01	-	1.8	3.4
	02	-	1.7	3.5
	03	-	1.7	3.1
	04	-	1.6	3.2
	05	-	1.8	3.4
	07	-	1.7	3.5
	08	-	1.6	3.5
	09	-	1.6	3.5
	10	-	1.8	3.6
	11	-	1.9	3.6
	13	-	1.8	3.5
	14	-	1.8	3.5
	15	-	1.9	3.5
	15	-	1.9	3.4
	17	-	1.6	3.5
	19	-	1.6	3.4
	20	-	1.6	3.5
	21	-	1.7	3.5
	22	-	1.6	3.5
	23	-	1.7	3.4
28	00	-	1.7	3.6
			1.0	2.5
	06	-	1.7	3.5
	12	-	1.2	3.5
	18	-	1.8	3.6
29	00	-	1.4	3.5
	06	-	1.8	3.7
	12	-	1.5	3.5
	18	-	1.7	3.8
30	00	-	1.5	3.5
	06	-	1.5	3.5
	12	-	1.3	3.7
	18	-	1.6	3.7
31	00	-	1.2	3.3
	06	-	1.3	3.5
	12	-	1.2	3.8
	18	-	1.1	3.7

DATE	HOUR GMT	K	GROUND Motion in (Micron)	MEAN Period in secs
Station: PORT BLAIR Compt.: E.W.				
01	00	0	-	-
	06	1	0.4	4.5
	12	1	0.4	4.5
	18	1	0.4	4.5
02	00	1	0.4	4.5
	06	-	-	-
	12	1	0.4	4.5
	18	1	0.4	4.5
03	00	1	0.4	4.5
	06	-	-	-
	12	1	0.4	4.5
	18	1	0.4	4.5
04	00	1	0.4	4.5
	06	-	-	-
	12	-	-	-
	18	1	0.4	4.8
05	00	1	0.4	4.8
	06	-	-	-
	12	-	-	-
	18	1	0.4	4.5
06	00	1	0.4	4.5
	06	-	-	-
	12	-	0.8	4.2
	18	1	0.8	4.2
07	00	1	0.8	4.5
	06	-	-	-
	12	3	-	-
	18	3	-	-
08	00	3	-	-
	06	-	-	-
	12	1	1.2	4.5
	18	1	1.2	4.5
09	00	1	1.2	4.5
	06	-	-	-
	12	1	1.5	4.5
	18	1	1.5	4.5
10	00	1	1.5	4.5
	06	-	-	-
	12	3	-	-
	18	-	-	-
11	00	3	-	-
	06	3	-	-
	12	3	-	-
	18	1	1.3	7.5
12	00	1	1.3	7.5
	06	-	-	-
	12	-	-	-
	18	-	-	-
13	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.4	4.5
14	00	1	0.4	4.5
	06	-	-	-
	12	1	1.6	4.5
	18	1	1.5	4.5
15	00	1	1.5	4.5
	06	1	1.2	4.5
	12	1	1.5	4.5
	18	1	2.0	4.4
15	00	1	1.5	4.3
	01	1	1.5	4.3
	02	1	1.5	4.3
	03	-	-	-
	04	1	1.6	4.1
	05	1	1.5	4.1
	06	1	0.8	4.0
	07	1	1.5	4.3
	08	1	1.5	4.1
	09	1	1.5	4.1
	10	1	1.5	4.1
	11	1	1.5	4.1
	12	1	1.5	2.0
	13	1	2.4	4.4
	14	1	2.0	4.4
	15	1	2.0	4.4
	16	1	2.0	4.4
	17	1	2.0	4.3
	18	1	2.0	4.3

DATE	HOUR GMT	K	GROUND Motion in (Micron)	MEAN Period in secs
Station: PORT BLAIR Compt.: E.W.				
15 Contd.	19	1	2.0	4.3
	20	1	2.0	4.5
	21	1	2.0	4.5
	22	1	2.0	4.5
	23	1	2.0	4.5
17	00	1	1.6	4.3
	01	1	1.5	4.3
	02	1	1.2	4.3
	03	1	1.6	4.3
	04	1	1.6	4.3
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	1	1.2	4.4
	12	1	1.2	4.2
	13	1	1.2	4.2
	14	1	1.2	4.2
	15	1	1.2	4.2
	15	1	2.0	4.2
	17	2	1.6	4.3
	18	1	1.5	4.3
	19	1	2.0	4.3
	20	1	1.6	4.3
	21	1	1.6	4.5
	22	1	1.6	4.3
	23	1	1.6	4.5
18	00	1	1.6	4.5
	06	-	-	-
	12	1	1.2	4.1
	18	1	1.2	4.1
19	00	1	1.2	4.5
	06	-	-	-
	12	1	1.2	4.2
	18	1	1.2	4.2
20	00	1	1.2	4.3
	06	-	-	-
	12	1	1.2	4.5
	18	1	1.2	4.5
21	00	1	1.2	4.5
	06	-	-	-
	12	1	1.2	4.2
	18	1	1.5	4.2
22	00	1	1.5	4.2
	06	-	-	-
	12	1	1.6	4.2
	18	1	1.5	4.2
23	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	1.2	4.2
24	00	1	0.4	4.2
	06	-	-	-
	12	-	-	-
	18	-	-	-
25	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
27	00 to 23	No record.		
28	00	-	-	-
	06	1	0.4	4.0
	12	1	0.4	3.9
	18	1	0.4	3.9
29	00	1	0.4	3.9
	06	1	0.4	3.9
	12	1	0.4	3.9
	18	-	-	-

DATE	HOUR GMT	K	GROUND Motion in (Micron)	MEAN Period in secs
Station: PORT BLAIR Compt.: E.W.				
30	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
31	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

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Published under the direction of
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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGI-TUDE	HEIGHT n.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNI-FICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	15
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h =0.8	60
					Wood-Anderson	N	0.8	1000	h =0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	15
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72 Tg=0.45 secs.		Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0 h=0.8	30
					Wood-Anderson	E	0.8	1000	h = 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To =1.0	Tg =0.18	-	60
					Sprengnether	E	To = Tg = 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h = 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h = 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
01	PORT BLAIR	E	iP	03 08 32	310	Slight
			Pg	08 41		
			iS	09 08		
			Sg	09 15		
01	SHILLONG	Z	eP	03 10 30		Slight, distant
01	PORT BLAIR	N	eP	03 55 02	310	Slight
			Pg	55 12		
			iS	56 39		
			Sg	56 49		
01	SHILLONG	Z	eP	10 52 05	90	Slight
			iS	52 18		
01	Epc: 13½°N, 120½°E. Near south Coast of Luzon P.I. - H = 12h 28m 28s G.M.T. (U.S.C.G.S) - h about 150 km Felt: Manila (U.S.C.G.S)					
	SHILLONG	ZE	iP	12 34 23	3220	Slight, compression, first movement East.
		E	iS	39 14		
01	CHATRA	Z	iP	12 35 06		Feeble
01	SHILLONG	Z	iP	13 44 04	290	Slight, rarefaction
		ZE	i	44 36		
01	SHILLONG	Z	eP	17 48 29		Slight, distant
02	CHATRA	Z	i	10 51 34		Feeble, distant
02	SHILLONG	Z	eP	14 09 37		Slight, distant
	TOCKLAI	E	e	14 10 44		Slight, distant
02	SHILLONG	Z	i	14 31 18		Slight, distant
02	SHILLONG	Z	ePg	15 42 11	110	Feeble
			iSg	42 24		
02	SHILLONG	Z	ePg	17 21 27	90	Feeble
			eSg	21 37		
02	DEHRA DUN	NE	e	22 54 40		Tremor
03	SHILLONG	ZE	e	01 19 05		Slight, distant
		E	i	24 14		
			i	29 48		
		N	i	30 19		
	CHATRA	E	i	01 23 57		Slight
			i	29 15		
03	AGRA	NE	i	01 29 44		First movement East
			i	30 45		
		E	i	30 54		
			i	31 32		
03	SHILLONG	Z	iP	05 37 40		Slight, distant Compression
03	SHILLONG	Z	eP/Pg	13 37 57	180	Slight
			eS	38 17		
			eSg	38 19		
03	SHILLONG	Z	iP	15 14 57		Slight, distant Compression
03	SHILLONG	Z	ePg	23 33 14	40	Feeble
			eSg	33 22		
04	Epc: 6°S, 130°E. Band Sea. - h about 150 km - H = 04h 13m 19s G.M.T(U.S.C.G.S)					
	PORT BLAIR	E	eP	04 20 55	4240	Slight
			PcP	23 19		
			i	25 39		
			iS	25 49		
			ScS	30 35		
			Lr	30 57		
			M	33 56		
	SHILLONG	ZNE	iP	04 21 52	5170	Slight, compression, first movement South and East.
		E	iS	28 40		
		N	i	29 38		
		E	i	29 41		
04	BOKARO	E	i	04 33 33		Slight, other phases unidentifiable.
			iS	29 29		
04 Contd.	CHATRA	ZE	i	04 22 25		Slight
		E	iS	23 38		
	MADRAS	E	iP	04 22 26		Slight, first movement West.
			e	22 38		
			e	25 41		
			e	26 00		
			e	26 15		
			e	26 37		
	HYDERABAD	E	iP	04 22 47	5900	Slight, first movement West.
		N	PP	24 35		
		E	PPP	26 35		
		N	iS	30 17		
			PPS	31 06		
			ScS	32 19		
			SS	34 07		
			Lq	36 08		
			Lr	38 08		
		E	M	41 29		Per. ≈15 secs ⊥ = 3
		N	M	41 32		Per. ≈12 secs ⊥ = 3
04	BOMBAY	E	eP	04 23 24		Feeble
		e		25 43		
		NE	eS	31 30		
		E	e	32 17		
		N	e	32 35		
			e	34 12		
04	SHILLONG	Z	iPg	06 37 51	70	Feeble
			iSg	37 59		
04	SHILLONG	Z	iP	16 10 47		Slight, distant compression
04	SHILLONG	Z	iP	16 23 49		Slight, distant rarefaction
04	Epc: 37°N, 73°E. Pamir Region - H = 20h 48m 00s G.M.T.(Shillong) Felt: Srinagar					
	DEHRA DUN	NE	eP	20 49 58	830	Slight
		N	PP	50 05		
			iS	51 24		
			SS/Lr	51 35		
			SSS	51 45		
			Sg/M	52 07		
	AGRA	ZNE	iP	20 50 32	1130	Slight, rarefaction, first movement North and East.
			iS	52 28		
04	CHATRA	Z	iP	20 51 37	1770	Slight
		E	iS	54 34		
	SHILLONG	Z	eP	20 52 32		Slight
		ZE	e	52 33		
		N	e	56 13		
	TOCKLAI	E	eP	20 52 50		Slight
	VIZIANAGRAM	N	eP	20 52 58		Slight
04	SHILLONG	Z	ePg	23 40 46	130	Feeble
			eSg	41 01		
05	SHILLONG	Z	eP	02 57 25		Slight, distant
05	CHATRA	Z	i	03 58 28		Feeble, distant
	SHILLONG	Z	eP	03 59 12		Slight, distant
05	SHILLONG	Z	eP	11 59 48		Slight, distant
05	SHILLONG	Z	iP	16 32 57		Feeble, very distant rarefaction.
05	SHILLONG	Z	eP	17 08 02	260	Slight
			iS	08 39		
05	CHATRA	Z	iPg	21 57 02	110	Feeble
			iSg	57 17		
06	SHILLONG	Z	eP	03 47 17		Slight, distant
06	SHILLONG	Z	iP	04 02 23		Slight, distant, compression.

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
06	SHILLONG	Z	iP	04	37	05		Slight, distant compression
06	CHATRA	Z	i	05	00	02		Feeble, distant
06	PORT BLAIR	E	ePg	09	13	12	70	Slight
			Sg		13	21		
06	SHILLONG	Z	e	10	05	20		Feeble, distant
			i		05	23		
06	SHILLONG	Z	eP	10	10	24		Slight, distant
			i		10	59		
06	SHILLONG	Z	iPg	18	22	29		Slight, locally felt, other phases not clear
06	CHATRA	Z	i	21	03	30		Slight, distant
06	TOCKLAI	E	e	21	23	00		Slight, distant
	SHILLONG	Z	iP	21	23	07		Slight, distant rarefaction
06	SHILLONG	Z	eP	21	38	33		Feeble, distant
06	SHILLONG	Z	iP	22	03	09		Slight, distant compression
06	SHILLONG	Z	eP	23	18	54		Slight, distant
			i		19	21		
07	CHATRA	Z	iPg	00	50	54	70	Feeble
			iSg		51	04		
07	DEHRA DUN	NE	e	09	38	26		Tremor
07	SHILLONG	Z	eP	10	03	24		Slight, near
07	SHILLONG	Z	eP	11	37	41		Slight, distant
07	SHILLONG	Z	eP	17	48	23		Feeble, near
			i		48	27		
07	PORT BLAIR	E	ePg	20	18	35	70	Slight
			iSg		18	44		
07	SHILLONG	Z	eP	20	23	45		Slight, distant
08	SHILLONG	Z	eP	00	46	23		Slight, distant
08	DEHRA DUN	NE	e	01	57	27		Tremor
08	DEHRA DUN	NE	e	03	11	27		Tremor
08	SHILLONG	Z	i	06	13	17		Slight, near
08	SHILLONG	Z	iP	09	45	35		Slight, near
			i		45	57		
08	TOCKLAI	E	eP	11	07	07		Slight, near
			i		07	11		
			i		07	37		
			i		07	55		
08	SHILLONG	Z	iP	11	07	28		Slight, near
			i		07	30		
			i		07	35		
			i		07	41		
			i		07	49		
			i		07	52		
		ZE	i		08	15		
		Z	i		08	24		
			i		08	54		
	CHATRA	Z	iP	11	08	14	890	Feeble
			iS		09	46		

08 Epc: 37.5°N, 73.8°E. Pamir Region.
- H = 12h 52m 03s G.M.T. (Shillong)
Felt : Srinagar, Gulmerg

DEHRA DUN	NE	eP	12	54	09	840	Slight
	N	PP		54	15		
		PPP		54	23		
		iS		55	36		
		SS/Lr		55	48		
		SSS		56	00		
		Sg,M		55	24		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
08 Contd.	AGRA	ZNE	iP	12	54	41	1150	Slight, rarefaction
		ZN	PP		54	53		first movement
		Z	i?		55	27		North and West.
			i?		55	35		
		N	i?		55	55		
		ZNE	iS		56	39		
		Z	SSS		57	19		
		ZNE	M		57	35		Per. ≈5.5 secs Amp. ≈16 mm
	CHATRA	Z	iP	12	55	53	1830	Slight
		ZE	iS		58	56		
	BOMBAY	N	eP	12	56	05	2070	Slight
		E	e		56	32		
		N	e		56	58		
		NE	e		59	20		
			eS		59	31		
08	BOKARO	E	eP	12	56	06	1930	Slight, other phases doubtful
			iS		59	19		
	HYDERABAD	N	iP	12	56	36	2140	Slight, first movement North
			PPP		57	36		
		NE	iS	13	00	08		
		E	SS		00	25		
			SSS		01	05		
		NE	Lr		01	14		
		N	M		02	18		Per. ≈ 7 secs μ ≈ 2
		E	M		02	21		Per. ≈ 6 secs μ ≈ 3
08	SHILLONG	Z	iP◊	12	56	36	2260	Slight, rarefaction
		E	eP◊					
		E	i		57	36		probably deep,
		NE	iS	13	00	20		phases not clear.
	VIZIANAGRAM	N	e	12	56	50		Slight, distant
	MADRAS	E	eP	12	57	59	2860	Slight
			PP		58	37		
			PcP	13	01	23		
			eS		02	26		
			Lq		03	08		
			SSS		03	44		
			Lr		04	24		
08	SHILLONG	Z	iP	21	20	51		Slight, distant compression
09	PORT BLAIR	E	iP	07	23	54	410	Slight
			P		24	01		
			Lq		24	34		
			S		24	39		
			Sg		24	53		
09	MADRAS	E	i	07	25	23		Appears to be near shock.
			i		25	28		
			e		25	40		
			e		25	49		
	SHILLONG	Z	iP	07	27	00		Slight, distant compression
	CHATRA	Z	i	07	27	26		Feeble, distant
09	HYDERABAD	N	M	13	39	07		Per. ≈18 secs μ ≈ 5
09	SHILLONG	Z	e	13	41	52		Slight, distant
09	SHILLONG	Z	iP	14	39	30		Feeble, near
09	SHILLONG	Z	iPg	20	23	27		Feeble, local other phases not clear
10	SHILLONG	Z	e	18	16	40		Slight, distant
10	SHILLONG	Z	eP	19	55	19		Feeble, near
			i		56	33		
10	SHILLONG	Z	iP	23	45	03		Slight, near
			i		45	38		
10	SHILLONG	Z	iP	23	50	03		Slight, distant nearcompression

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
11	SHILLONG	Z	iPg	00	07	18	110	Feeble, near
			iSg		07	31		
11	DEHRA DUN	NE	e	03	05	08		Tremor
11	SHILLONG	Z	ePg	05	59	45	40	Slight, near
			eSg		59	51		
11	SHILLONG	Z	iP	08	05	57		Slight, distant
11	DEHRA DUN	NE	e	09	17	37		Tremor
11	SHILLONG	Z	iPg	15	12	40	40	Feeble
			iSg		12	45		
11	SHILLONG	Z	eP	19	58	08		Slight, near
			i		58	30		
		E	i		58	35		
		N	i		59	51		
11	DEHRA DUN	NE	e	20	18	51		Tremor
11	COLOMBO	E	P	20	36	40		
			M		44	50		Approx. Amp. ~0.5 mm
11	SHILLONG	Z	iP	20	20	06		Slight, distant compression
11	SHILLONG	Z	P	20	32	28		Slight, distant
		E	i		37	30		Compression
11	SHILLONG	Z	e	22	33	51		Slight,
			i		34	06		near
			i		34	25		
11	SHILLONG	Z	iPg	23	52	23	100	Feeble,
			iSg		52	33		rarefaction
12	SHILLONG	Z	iP/Pg	00	12	39	130	Feeble
			iSg		12	55		rarefaction
12	SHILLONG	Z	eP	08	27	26		Slight, distant
12	DEHRA DUN	NE	e	10	33	19		Feeble
			e		34	43		
12	DEHRA DUN	NE	e	12	24	40		Feeble
			i		25	21		
	AGRA	ZNE	eP	12	24	55		Moderate
			iP		25	02		
			iP		25	08		
			iP		25	14		
		ZE	iP		25	34		Per. ~10 secs
		ZNE	Sg		25	50		Amp. ~28.5 mm
12	CHATRA	Z	iP	12	25	18		Slight
		E	i		27	00		
	BOKARO	E	eP	12	25	56		Slight, other
			i		26	50		phase not clearly developed
	SHILLONG	Z	iPẟ	12	26	12		Slight, near
		NE	ePẟ					rarefaction
		NE	i		27	53		
	VIZIANAGRAM	NE	e	12	28	47		Slight,
			i		29	57		
	BOMBAY	NE	e	12	29	18		Slight, tremor
		E	e e		30	44		
		NE	e		30	48		
			e		30	53		
		N	e		31	06		
12	MADRAS	E	eP?	12	30	35		Slight
			e		30	54		
			e		31	11		
			e		31	26		
			e		31	46		
	HYDERABAD	E	M	12	31	23		Per. ~ 9 secs
								μ ~ 3
		N	M		31	29		Per. ~ 9 secs
								μ ~ 5
	KODAIKANAL	E	e	12	33	54		Tremor
12	DEHRA DUN	NE	e	12	40	50		Feeble
			i		41	28		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
12	AGRA	ZNE	eP	12	40	59		Moderate
Contd.		ZE	i		41	11		
			i		41	19		
		E	i		41	29		
		ZNE	i		41	40		Per. ~11 secs
			Sg		41	54		Amp. ~11.0 mm
12	CHATRA	Z	iP	12	41	28		Slight
		E	i		43	11		
	SHILLONG	Z	ePẟ	12	42	22		Slight, first
		E	iPẟ					movement West
		E	i		44	06		
			i		45	10		
	VIZIANAGRAM	N	e	12	44	49		Slight
	BOMBAY	NE	e	12	46	45		Feeble
			e		46	59		
			e		47	05		
12	SHILLONG	Z	i	15	55	03		Slight, distant
					55	54		
12	DEHRA DUN	NE	e	15	58	40		Tremor
12	SHILLONG	Z	iP	17	01	02		Slight, distant compression
12	SHILLONG	Z	eP	18	44	23		Slight, distant
12	SHILLONG	Z	eP	19	12	51		Slight, distant
12	CHATRA	Z	i	19	13	30		Feeble, distant
12	Epc: 0, 126½°E. Molucca Passage. - H ~ 19h 25m 05s G.M.T. (U.S.C.G.S) 1°N, 126°E. -H~19h 25m 13s G.M.T. (Shillong)							
	PORT BLAIR	E	eP	19	32	04		Slight
			i		32	36		
			i		35			
			i		35	4-		Per. ~23 secs
			i		37	82		μ ~40
	SHILLONG	Z	ePẟ	19	32	58		Moderate, first
		E	iPẟ					movement East
		E	iS		39	01		
12	BOKARO	E	iP	19	33	32	4980	Moderate
			PP		35	17		
			PPP		35	58		
			eS		40	04		
			Lq		44	17		
			Lr		46	26		
			M		49	36		Per. ~31 secs
								μ ~90
	CHATRA	Z	iPẟ	19	33	34	5170	Slight
		E	ePẟ					
		E	iS		40	23		
	VIZIANAGRAM	N	eP	19	33	36		Slight
12	MADRAS	E	eP	19	33	41	5180	Moderate
			i		34	30		
			PcP		35	00		
			PP		35	39		
			PPP		35	27		
			ScP		38	42		
			iS		40	35		
			Ps		40	41		
			PPs		40	48		
			SS		43	52		
			Lq		45	02		
			Lr		47	32		
			M		51	19		
	HYDERABAD	E	eP	19	34	05	5520	Moderate
			PP		35	56		
			PPP		36	55		
			PcS		39	26		
			iS		41	14		
			PPs		41	49		
			ScS		44	00		
			SS		44	49		
		N	Lr		49	05		
		E	Lr		49	20		
		N	M		53	07		Per. ~18 secs
								μ ~17
		E	M		53	38		Per. ~22 secs
								μ ~25

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				August 1958				
12	AGRA	ZE	iP	19	34	26		Great, compression first movement West.
			PcP		35	23		
		E	PP		36	11		
		ZE	PPP		37	31		
		Z	i?		41	42		
		ZE	iS		41	54		
			PS		42	04		
			PPS		42	12		
			ScS		44	38		
		E	SS		45	50		
			Lq/SSS		47	34		
			Lr		49	34		
		ZE	M		52	22		Per. = 22 secs Amp. = 53.0 mm
	DEHRA DUN	NE	eP	19	34	42	5980	Moderate
		N	PPP		37	39		
			i(S)		42	16		
			SS		45	56		
			SSS		47	54		
			Lr		50	36		
			M		54	35		
12	BOMBAY	E	eP	19	34	43		Slight
			e		42	56		
		N	e		44	37		
		E	M		59	42		Per. = 21 secs μ = 5
		N	M	20	00	48		Per. = 19 secs μ = 7
	KODAIKANAL	E	eS	19	40	54		Tremor
12	SHILLONG	Z	eP	21	21	58		Slight, distant
			i		26	21		
12	CHATRA	Z	iP	21	38	20	500	Slight
		E	iS		39	13		
12	SHILLONG	Z	i	22	44	36		Slight, distant
12	SHILLONG	Z	iP	23	22	43		Slight, didtant rarefaction
13	SHILLONG	Z	eP	00	22	00		Slight, distant
13	SHILLONG	Z	e	01	05	30		Slight, distant
13	Epc: ½°N, 125°E. Molucca Passage. - H = 03h 50m 35s G.M.T.(U.S.C.G.S)							
	TOCKLAI	E	eP	03	58	15		Slight
	SHILLONG	Z	iP◊	03	58	23		Slight, compression
		E	eP◊					
		E	i	04	00	07		
			i		00	23		
			iS		04	29		
	CHATR A	Z	iP	03	59	03		Feeble
			i	04	00	42		
	AGRA	ZE	iP◊	03	59	53	5890	Very slight, compression
		N	eP◊					
		E	iS	04	07	22		first movement West
	COLOMBO	E	i	04	07	--		Trace lost
13	SHILLONG	ZNE	eP	06	18	28		Slight, distant
	TOCKLAI	E	e	06	19	21		Slight, distant
13	Epc: 36½°N, 66½°E. Northern Afganistan. - H = 07h 33m 29s G.M.T.(U.S.C.G.S)							
	DEHRA DUN	NE	eP	07	36	11	1200	Slight
		N	PP		36	25		
			iS		38	14		
			SSS		38	29		
			M		39	25		
	AGRA	ZNE	eP	07	36	37	1350	Moderate
		ZE	PPP		37	01		
		ZNE	iS		38	55		
		ZE	SSS		39	37		
		ZNE	M		40	21		Per. = 12.5 secs Amp. = 52 mm
13	BOMBAY	NE	e(P)	07	37	47		Feeble
		E	e		43	47		
		NE	e		44	13		
		N	M		46	09		Per. = 10 secs μ = 3
	CHATRA	Z	iP◊	07	38	05	2250	Slight
		E	eP◊					
			iS		41	49		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
13 Contd.	BOKARO	E	iP	07	38	16	2320	Slight, other phases unidentifiable
			iS		42	05		
13	HYDERABAD	N	iP	07	38	29	2310	Slight, first movement North
			PP		39	00		
		E	iS		42	17		
		NE	SSS		43	58		
		E	Lr		44	17		
		N	Lr		44	23		
		E	M		45	55		Per. = 15 secs μ = 7
		N	M		46	19		Per. = 12 secs μ = 5
	SHILLONG	ZNE	iP	07	38	45		Moderate, compression, first movement South & East
		E	iS		43	07		
	MADRAS	E	eS	07	43	32		Other phases not clear.
			e		46	31		
			i		47	27		
			e		47	52		
	TOCKLAI	E	e	07	44	30		Slight
13	SHILLONG	Z	iP	11	08	00		Slight, distant compression
13	CHATRA	Z	i	11	58	19		Feeble, distant
13	SHILLONG	Z	eP	14	01	39		Slight, near
			i		02	20		
			i		03	19		
	TOCKLAI	E	eP	14	01	42		Slight, near
13	DEHRA DUN	NE	e	17	09	44		Tremor
	SHILLONG	Z	iP	17	10	34		Slight, distant rarefaction
	TOCKLAI	E	iP	17	11	59		Slight, near
			i		12	40		
13	SHILLONG	ZNE	iP	17	13	28	320	Feeble
		Z	iSg		14	15		
	CHATRA	Z	iP	17	14	25	720	Feeble
			iS		15	41		
13	DEHRA DUN	NE	eP	17	34	55		Slight
13	CHATRA	Z	iP	17	36	41	2310	Slight
		E	iS		40	29		
	SHILLONG	Z	eP	17	37	30		Slight, distant
	BOKARO	E	eP	17	39	29	1520	Slight
			PPP		39	42		
			Lq		41	50		
			eS		42	03		
			SS		42	18		
			SSS/Lr		42	36		
			M		43	42		
13	BOMBAY	NE	e	17	39	36		Very slight
		N	M		43	--		
	HYDERABAD	E	eP	17	39	41	740	Slight
			eS		40	59		
			M		42	20		Per. = 9 secs μ = 4
		N	M		42	51		Per. = 9 secs μ = 5
	VIZIANAGRAM	N	e	17	40	24		Slight, distant
13	SHILLONG	Z	eP	17	42	38	280	Slight
			iS		43	10		
	TOCKLAI	E	eP	17	42	45		Slight, distant
	MADRAS	E	e	17	43	01		Phases not clear
			e		44	12		
13	Epc: 51°N, 177½°W. Andreanof Islands, Aleutian Islands - H = 20h 13m 00s G.M.T.(U.S.C.G.S)							
	SHILLONG	ZE	eP	20	24	18		Slight
	TOCKLAI	E	e(P)	20	24	23		Slight
	CHATRA	Z	iP	20	24	36		Feeble
	DEHRA DUN	NE	e	20	24	49	8290	Slight
			i		34	25		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
13 Contd.	AGRA	Z	i	20	25	01		Slight, rarefaction
13	SHILLONG	Z	eP	20	29	22		Slight
	TOCKLAI	E	eP	20	29	24		Slight
13	SHILLONG	Z	e	20	42	34		Slight, distant
13	SHILLONG	Z	iP	22	07	08		Slight, distant compression
14	SHILLONG	Z	e	07	18	00		Feeble, near
14	SHILLONG	Z	e	09	40	59		Feeble, near
14	Epc: 34½°N, 48°E. Iran. - H = 11h 27m 00s G.M.T.(U.S.C.G.S)							
	DEHRA DUN	NE	eP	11	32	38	2870	Slight
		N	iS		37	06		
			SS		38	08		
			SSS		38	24		
			M		41	10		
14	AGRA	ZE	eP	11	32	43	2990	Moderate
		ZNE	iS		37	19		
			i?		37	49		
			SSS		39	05		
			M		41	55		Per. =12 secs Amp. =28 mm
	CHATRA	Z	iP	11	33	55		Slight
		E	iS		40	08		
	SHILLONG	ZE	eP	11	34	28	4020	Slight, distant
		E	iS		40	08		
	COLOMBO	E	P	11	41	05		
			S(?)		43	50		
			L		50	50		
			M		56	20		Amp. =0.5 mm
	HYDERABAD	E	M	11	45	17		Per. =12 secs μ = 5
		N	M		45	38		Per. =12 secs μ = 5
14	Epc: 52°N, 175°W. Andreanof Islands, Aleutian Islands - H = 14h 55m 10s G.M.T.(U.S.C.G.S) Mag: 6½ (Pasadena), 6¼ - 6½ (Berkeley)							
	TOCKLAI	E	eP	15	06	25		Slight, distant
	SHILLONG	ZNE	iP	15	06	35	8000	Slight, distant
		NE	i		15	55		Compression. First movement West and South.
	CHATRA	ZE	iP	15	06	54	8930	Slight
		E	iS		17	00		
	DEHRA DUN	NE	eP	15	07	00	8400	Moderate
		N	PP		09	55		
			iS		15	41		
			PS		17	20		
			SS		21	39		
			SSS		24	37		
			Lq		25	09		
			M		35	24		
	BOKARO	E	iP	15	07	06	8500	Moderate, phases
			iS		15	56		unidentifiable due to overlapping
	AGRA	ZNE	iP	15	07	13		Moderate,
			PcP		07	33		compression
		Z	i?		10	47		First movement
		ZN	iS		17	07		South and West.
		N	SKS		17	27		
		ZNE	PS/ScS		17	43		
		NE	i?		18	23		
			i?		22	59		
		ZNE	M		37	31		Per. =19 secs Amp. =40.0 mm
	PORT BLAIR	E	iP	15	07	38	8980	Slight
			PP		10	42		
			PPP		12	58		
			i		17	45		
			S		18	05		
			SSS		26	49		
14	HYDERABAD	N	iP	15	07	55	9210	Slight, first
			PP		11	07		movement
			PPP		13	05		
			iS		18	14		
			ScS		18	35		
			PS		19	05		
			Lq		31	29		
			Lr		34	05		
		E	M		41	00		Per. =20 secs μ =15
		N	M		41	05		Per. =21 secs μ =16
14	COLOMBO	E	P	15	19	20		
			M		55	35		Amp. =0.5 mm
14	SHILLONG	ZE	iP	15	29	33		Slight, distant Compression
	AGRA	ZNE	iP	15	32	03		Very slight. First movement North & East. Compression.
14	SHILLONG	Z	iP	15	33	48		Slight, distant
			i		34	03		compression
14	SHILLONG	Z	i	23	07	04		Slight, distant
	AGRA	ZNE	eP	23	29	54		Slight
			i(S)		32	18		
	DEHRA DUN	NE	eP	23	29	59	1120	Slight
		N	iS		32	05		
			SS		32	17		
			SSS		32	27		
			Sg/M		33	26		
	CHATRA	Z	iP	23	31	37	2830	Slight
		E	iS		36	02		
	SHILLONG	Z	iP	23	32	17		Slight, distant Rarefaction
	TOCKLAI	E	e	23	33	37		Slight, distant
	BOKARO	E	iP	23	34	56		Slight. Very local other phases doubtful
15	SHILLONG	Z	e	02	37	33		Slight, distant
15	SHILLONG	Z	iP	05	40	10		Slight, near
			i		40	12		compression
			i		40	16		
			i		40	30		
15	DEHRA DUN	NE	e	15	01	04		Feeble
			i		01	43		
	CHATRA	Z	iP	16	01	37	950	Slight
		ZE	iS		03	15		
	SHILLONG	ZE	eP	16	02	32		Slight, near
		E	i		04	15		
	VIZIANAGRAM	N	eP	16	02	51		Slight, distant
	TOCKLAI	E	e	16	03	04		Slight, distant
	HYDERABAD	E	eP	16	05	05	910	Slight
			eS		06	39		
		N	M		07	51		Per. =11 secs μ = 5
		E	M		08	20		Per. = 8 secs μ = 2
	BOMBAY	N	e	16	05	28		Near, tremor
		NE	e		06	02		
		E	e		07	04		
15	Epc: 53°N, 160½°E. Near East Coast of Kamchatka. - h about 60 km . - H = 19h 55m 39s GMT (USCGS) Mag: 6¼ (Pasadena).							
	TOCKLAI	E	eP	20	05	14		Slight, distant
	SHILLONG	ZE	iP	20	05	26	6200	Moderate, distant
		N	ePD					First movement
		N	PcP		06	33		East.
			i		09	27		
		NE	iS		13	13		
		N	i		18	08		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
15 Contd. Contd.	SHILLONG	N	M	20	25	19		
			Mn		26	56		Per. ≈20 secs μ ≈90
			Mn		31	19		Per. ≈20 secs μ ≈100
	CHATRA	Z	iP	20	05	39	6430	Slight
		E	iS		13	38		
	DEHRA DUN	NE	eP	20	05	59	6960	Moderate
		N	PP		08	17		
			PPP		10	14		
			iS		14	27		
			SS		18	52		
			SSS		21	42		
			Lq		22	22		
			Lr		25	45		
			M		28	39		
	BOKARO	E	eP	20	06	00	6790	Moderate
			PcP		06	26		
			iS		14	19		
			M		30	45		Per. ≈26 secs μ ≈207
	PORT BLAIR	E	iP	20	06	34	7370	Moderate
			PP		09	08		
			iS		15	24		
			PS		15	45		
			i		16	56		
			SS		19	42		
			Lq		23	14		
			Lr		25	59		
			M		28	59		Per. ≈22 secs μ ≈ 86
	VIZIANAGRAM	N	iP	20	06	37		Slight, First movement South
	HYDERABAD	N	iP	20	06	57	7850	Moderate. First movement North
			PcP		07	04		
			PP		09	41		
		E	iS		16	11		
		NE	PS		16	39		
		N	PPS		17	05		
		NE	SS		21	23		
		N	Lq		25	02		
		E	Lr		28	26		
		N	Lr		28	51		
			M		33	11		Per. ≈24 secs μ ≈65
		E	M		33	36		Per. ≈23 secs μ ≈52
	BOMBAY	NE	eP	20	07	11	8000	Moderate
			eS		16	32		
		N	PS		17	04		
		E	PPS		17	16		
		N	PPS		17	34		
		NE	SS		22	03		
		N	M		41	24		Per. ≈23 secs μ ≈85
		E	M		43	10		Per. ≈19 secs μ ≈11
	MADRAS	E	iP	20	07	15	8010	Moderate. First movement East.
			PcP		07	32		
			PP		09	53		
			PPP		11	39		
			eS		16	38		
			SKS		16	59		
			PS		17	14		
	COLOMBO	E	P	20	07	50		
			S		17	35		
			L?		42	50		
			M		44	05		Amp. ≈2.0 mm
			M		46	35		Amp. ≈2.0 mm
15	SHILLONG	Z	iP	22	23	34		Slight, distant Rarefaction

15 Epc: 1½°N, 125° E. Celebes. - h about 200 km - H = 22h 29m 17s G.M.T.(U.S.C.G.S) Mag: 6¾ - 7 (Pasadena).

	PORT BLAIR	E	iP	22	35	45	3870	Great. Probable depth ≈220 km. ca.
			pP		35	29		
			PP		36	56		
			PcP		38	10		
			iS		41	15		
			sS		42	33		
			SS		43	35		
			SSS		43	47		
			ScS		46	15		
			M		48	15		

DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
15 Contd.	TOCKLAI	E	iP	22	36	27		Moderate. First movement West.
			i		38	10		
	SHILLONG	ZE	iP	22	36	38	4380	Moderate, compression.
		N	i		37	15		
		E	i		37	23		Probable depth ≈200 kms. ca.
		N	iS		42	20		
			i		43	35		
		E	i		44	38		
	BOKARO	E	iP	22	37	11		Great
			i		37	50		
			PP		39	07		
			(S)		44	24		
			SS		47	48		
			SSS/Lq		49	33		
			Lr		52	15		
			M		56	20		Per. ≈23 secs μ ≈146
	CHATRAA	ZE	iP	22	37	12		Slight
		E	i(S)		44	49		
	VIZIANAGRAM	NE	eP	22	37	13	5010	Moderate
		N	iS		43	53		
	COLOMBO	E	iP	22	37	20		
			S		43	50		
			L		--	--		
			M		58	50		Amp. ≈6.0 mm
	MADRAS	E	iP	22	37	25	5000	Moderate. First movement West. Depth ≈200 kms. ca.
			i		38	06		
			PcP		39	08		
			PP		39	16		
			PPP		40	03		
			ScP		42	46		
			eS		43	45		
			PS		43	53		
			PPS		44	00		
			SS		47	02		
			Lq		47	43		
			SSS		49	15		
			Lr		49	42		
			M		53	49		
	KODAIKANAL	E	iP	22	37	42		Moderate, phases unidentifiable. First movement West.
			e		38	32		
			e		40	21		
			e		44	29		
	HYDERABAD	NE	iP	22	37	44	5850	Great. First movement North and West.
			PcP		38	23		
		N	PP		39	29		
			PPP		41	08		
			PcS		42	23		
		E	iS		45	11		
		NE	PS		45	32		
		N	PPS		45	53		
			ScS		47	26		
			SS		49	04		
		NE	SSS		50	49		
		E	Lq		51	20		
		N	Lq		51	51		
		E	Lr		53	09		
		N	Lr		53	23		
		N	M		57	23		Per. ≈16 secs μ ≈32
		E	M		57	38		Per. ≈20 secs μ ≈57
	DEHRA DUN	NE	eP	22	38	19	5570	Moderate
		N	PP		39	55		
			PPP		41	07		
			iS		45	31		
			SS		47	38		
			SSS		49	11		
			Lr		51	59		
			M		55	49		
	BOMBAY	NE	eP	22	38	26	5590	Moderate, deep focus
		N	eP		39	09		
		E	iP					
		NE	PP		41	12		
			PPP		42	43		
			iS		46	34		
			PS		47	00		
			PPS		47	23		
		N	i		47	38		
			i		48	57		
		E	SS		51	12		
		N	SS		51	27		
			SSS		53	25		
			Lq		54	01		
			Lr		57	46		

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
15 Contd.	BOMBAY Contd.	E	M	23 03 23		Per. = 15 secs ⇊ = 6
		N	M	05 42		Per. = 19 secs ⇊ = 29
16	PORT BLAIR	N	iPg	06 20 02	120	Slight
			iSg	20 14		
16	SHILLONG	Z	e	07 25 35		Slight, distant
16	Epc: 51½°N, 175°W. Andreanof Island, Aleutian Islands. - H = 13h 17m 52s G.M.T.(U.S.C.G.S)					
	SHILLONG	ZE	iPδ	13 29 17		Slight, compression. First movement West.
		N	ePδ			
		NE	i(S)	48 35		
	TOCKLAI	E	e(P)	13 29 21		Slight
	CHATRA	Z	i	13 29 30		Slight
	DEHRA DUN	NE	eP	13 29 41		Slight
			i	39 07		
	AGRA	ZNE	iP	13 29 54		Moderate, compression. First movement South and West.
			e	30 10		
		Z	i	30 40		
		ZE	i	31 10		
			e	32 54		
		N	e	34 52		
			i	39 46		
		ZNE	e	40 10		
			e	40 25		
			M	14 00 46		Per. = 18 secs Amp. = 20 mm
	HYDERABAD	N	eP	13 30 33	9550	Slight
			eS	41 07		
			PS	42 05		
			PPS	42 27		
			SS	45 32		
			Lr	58 02		
			M	14 10 21		Per. = 18 secs ⇊ = 8
	BOMBAY	N	eP	13 30 46	10000	Slight
			SKKS1	41 20		
			eS	41 38		
			M	14 12 52		Per. = 9 secs ⇊ = 5
15	SHILLONG	Z	e	15 08 32		Slight, distant
15	DEHRA DUN	NE	e	17 14 09		Feeble
			i	19 30		
	SHILLONG	Z	eP	17 16 37		Slight, distant
16	Epc: 34½°N, 48°E. Iran. - H = 19h 13m 45s G.M.T.(U.S.C.G.S) Many killed, major damage (U.S.C.G.S).					
	DEHRA DUN	NE	eP	19 19 18	2820	Moderate
		N	PP	20 00		
			PPP	20 22		
			iS	23 43		
			SS	24 38		
			SSS	25 12		
			Lr	25 51		
			M	27 51		
	AGRA	ZNE	iP	19 19 25	2990	Great, rarefaction. First movement North and West. Light spots of Z and N thrown off.
		Z	i?	19 44		
			PPP	20 23		
		ZE	PcP	22 49		
			iS	24 01		
	BOMBAY	NE	eP	19 19 27	3070	Moderate
			e	19 50		
			PP	20 19		
		N	PPP	20 32		
			PcP	22 42		
		NE	eS	24 08		
			Lq	25 15		
			SS	25 38		
		N	Lr	25 53		
			M	28 59		Per. = 33 secs ⇊ = 327
		E	M	30 59		Per. = 23 secs ⇊ = 76
	HYDERABAD	NE	iP	19 20 16	3590	Great. First movement West and North.
		N	PP	21 21		
			PPP	21 47		
15 Contd.	HYDERABAD Contd.	N	PcP	19 23 15		
		NE	iS	25 30		
		N	SS	27 09		
		E	Lr	29 18		
		N	Lr	29 24		
			M	32 30		Per. = 21 secs ⇊ = 152
		E	M	33 00		Per. = 18 secs ⇊ = 100
	CHATRA	Z	iP	19 20 35	3910	Slight
		E	iS	26 08		
	BOKARO	E	iP	19 20 37	3900	Great
			PP	22 01		
			PPP	22 16		
			iS	26 10		
			Lq/SS	28 19		
			Lr	30 11		
			M	33 33		Per. = 19 secs ⇊ = 195
	VIZIANAGRAM	N	eP	19 20 43		Slight
	MADRAS	E	eP	19 20 51	4000	Moderate
			PP	22 17		
			PPP	22 40		
			PcP	22 53		
			iS	26 30		
			SS	29 11		
			Lq	29 24		
			SSS	29 45		
			Lr	31 12		
			M	34 21		
	KODAIKANAL	E	eP	19 20 56	4090	Moderate
			eS	25 40		
			SS	28 45		
			M	33 44		Per. = 16 secs ⇊ = 14
	SHILLONG	ZNE	iP	19 21 12	4290	Moderate,
		N	PP	22 42		rarefaction
		E	i	22 45		First movement
		N	PPP	23 08		West and North
		E	i	23 11		
		NE	iS	27 09		
		N	i	28 24		
			i	29 54		
			Lr	31 54		
			i	32 39		
			M	35 09		
			Mn	36 10		Per. = 20 secs ⇊ = 190
	COLOMBO	E	P	19 21 20		
			S	27 20		
			L	36 30		
			M	41 00		Amp. = 8.3 mm
	TOCKLAI	E	eP	19 21 25		Moderate
	PORT BLAIR	E	iP	19 22 13	5220	Moderate
			PP	23 03		
			PcS	27 37		
			S	29 05		
			SS	32 20		
			Lr	35 14		
			M	38 13		Per. = 15 secs ⇊ = 25
15	SHILLONG	Z	eP	19 54 05		Slight, distant
16	SHILLONG	Z	eP	22 32 34		Slight, distant
17	SHILLONG	Z	iP	03 58 23		Slight, distant Compression
17	SHILLONG	Z	eP	08 04 10		Slight, distant
17	SHILLONG	Z	iPg	08 11 00		Slight, near compression
			i	11 02		
			i	11 27		
	CHATRA	Z	iP	08 11 10	320	Slight
			Is	11 46		
17	Epc: 51½°N, 175°W. Andreanof Islands, Aleutian Islands. - H = 09h 08m 35s G.M.T.(U.S.C.G.S)					
	SHILLONG	Z	iP	09 20 00		Slight, compression
	CHATRA	Z	i	09 20 13		Feeble
	DEHRA DUN	NE	e	09 20 24		Feeble

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
17 Contd.	HYDERABAD	N	e	09	32	00		
			M	10	01	59		Per. = 15 secs μ = 4
		E	M		02	05		Per. = 18 secs μ = 5
17	SHILLONG	Z	e	09	29	18		Slight, distant
17	SHILLONG	Z	iP	11	02	05		Slight, distant rarefaction
17	SHILLONG	Z	eP	11	27	36		Slight, distant
17	SHILLONG	Z	e	11	50	29		Slight, distant
17	SHILLONG	Z	eP	12	31	43		Slight, distant
17	Epc: 3°S, 145½°E. Bismarck Sea - H = 18h 01m 05s G.M.T.(U.S.C.G.S)							
	TOCKLAI	E	eP	18	11	08		Slight
	SHILLONG	ZNE	eP	18	11	16		Slight
		N	i		19	30		
			i		19	34		
	CHATRA	Z	eP	18	11	48	7390	Slight
		E	iS		20	38		
	BOKARO	E	eP	18	11	53	7130	Moderate, other phases unidentifiable.
			eS		20	30		
	MADRAS	E	eP	18	12	05	7570	Slight
			PcP		12	22		
			eS		21	05		
			PS		21	35		
			SS		25	39		
			SSS		28	40		
			Lq		30	23		
	AGRA	ZNE	eP	18	12	34	8080	Slight
		ZE	PPP		16	58		
		NE	iS		21	59		
			PS		22	15		
		E	PPS		22	31		
		NE	SKS		22	43		
	DEHRA DUN	NE	eP	18	12	42	8180	Slight, other phases not clear
		N	PP		15	12		
			PPP		17	14		
			iS		22	12		
			SS		26	17		
	BOMBAY	E	e	18	13	23		Slight. Beginning lost in microseisms.
		N	e		16	34		
		NE	e		22	34		
	PORT BLAIR	E	e	18	15	33		Slight
			e		16	24		
			i		20	12		
17	SHILLONG	Z	e	18	16	32		Slight, distant
17	SHILLONG	Z	iP	19	24	48		Slight, distant Compression
18	SHILLONG	Z	e	00	48	13		Slight, distant
18	SHILLONG	Z	eP	04	32	25		Slight, distant
18	DEHRA DUN	NE	e	07	27	49		Tremor
18	SHILLONG	Z	iP	10	36	21		Slight, distant Compression
18	DEHRA DUN	NE	e	12	36	48		Tremor
	SHILLONG	Z	eP	12	37	39		Slight, distant
18	SHILLONG	Z	iP	15	25	32		Slight, distant compression
18	SHILLONG	Z	iP	15	28	43		Slight, distant Compression
18	SHILLONG	Z	eP	15	48	44		Slight, distant
18	DEHRA DUN	NE	e	19	02	09		Feeble, phases
			i		03	34		not clear
	CHATRA	Z	eP	19	02	40	4110	Slight
		E	iS		08	26		
18 Contd.	SHILLONG	Z	e	19	03	25		Tremor
	BOMBAY	N	e	19	06	11		Very slight, surface waves.
18	SHILLONG	Z	e	21	46	35		Tremor
19	CHATRA	Z	i	00	03	34		Feeble, distant
19	CHATRA	Z	iPg	00	50	51	130	Feeble
			iSg		51	08		
19	SHILLONG	Z	e	04	23	01		Feeble, near
			i		23	36		
19	SHILLONG	Z	eP	08	51	34		Slight, distant
19	CHATRA	Z	i	16	01	46		Feeble, distant
	SHILLONG	Z	iP	16	02	14		Slight, distant Compression
19	SHILLONG	Z	iP	16	17	42		Slight, distant. Rarefaction
	CHATRA	Z	i	16	18	01		Feeble distant
19	SHILLONG	Z	iP	16	39	23		Slight, distant Compression
19	SHILLONG	Z	eP	18	16	26		Slight, distant
	CHATRA	Z	iPg	18	17	07	100	Feeble
			iSg		17	20		
19	Epc: 1°S, 149½°E. New Ireland Island - H = 21h 48m 07s G.M.T.(U.S.C.G.S)							
	SHILLONG	ZE	eP	21	58	29	6800	Slight
		NE	iS	22	06	48		
	BOKARO	E	eP	21	59	05	7380	Slight, phases not
			iS	22	07	56		clearly developed
	CHATRA	Z	iP	21	59	05	7430	Slight
		E	iS	22	07	57		
	AGRA	ZE	iP	21	59	45	8200	Slight, compression. First
		ZNE	iS	22	09	17		movement West.
		NE	i?		09	33		
	DEHRA DUN	NE	e(P)	21	59	51	8280	Slight, other
			i(P)	22	09	25		phases not clear
	BOMBAY	N	e	22	09	58		Slight
			e		15	07		
19	SHILLONG	Z	eP	23	05	27		Slight, distant
20	SHILLONG	Z	e	00	12	48		Feeble, near
			i		13	39		
20	Epc: 14°S, 167°E. New Herbrides Islands - H = 03h 40m 07s G.M.T.(U.S.C.G.S) Mag: 6¼ - 6½ (Berkeley and Pasadena)							
	SHILLONG	Z	eP	03	52	35	5870	Moderate, phases
		NE	iSKS	04	02	57		not clear.
	PORT BLAIR	E	i	03	52	51		Slight
			i(S)	04	02	04		
	CHATRA	Z	e	03	53	03		Slight
	BOMBAY	E	e	03	56	59		Slight
		N	e		57	07		
		E	e	04	04	24		
			e		04	26		
		N	e		05	14		
	COLOMBO	E	e	04	00	--		Approximate time, Trace overlapping
	HYDERABAD	N	(S)	04	04	31		
		E	M		38	25		Per. = 12 secs μ = 3
		N	M		38	32		Per. = 11 secs μ = 3
20	SHILLONG	Z	eP	06	27	04		Slight, distant
20	Epc: 24°N, 122°E. Near East Coast of Formosa - H = 08h 46m 04s G.M.T.(USCGS)							

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
20 Contd.	SHILLONG	ZE	iP	08 51 57	3310	Moderate,
		E	e(S)	55 53		Compression
	CHATRA	Z	i(P)	08 52 42		Feeble
20	SHILLONG		eP	09 29 56		Slight, distant
20	SHILLONG		iPg	20 28 15	120	Feeble,
			iSg	28 29		compression
20	SHILLONG	Z	eP	21 51 58		Slight, distant
20	SHILLONG	Z	iPg	21 56 47	20	Feeble,
			iSg	56 50		rarefaction
20	Epc: Hindukush. - h about 250 km - H = 22h 25m 47s G.M.T.(U.S.C.G.S)					
	DEHRA DUN	NE	eP	22 28 13		Feeble
			i	31 37		
	CHATRA	Z	iP	22 30 00		Feeble
	SHILLONG	Z	iP	22 30 37		Slight, compression
20	SHILLONG	Z	iP	22 58 09		Slight, distant Rarefaction.
21	DEHRA DUN	NE	e	00 32 09		Tremor
21	SHILLONG	Z	P	00 32 19		Slight, distant
21	SHILLONG	Z	iPg	02 32 15		Slight, near
			i	32 40		Rarefaction
21	DEHRA DUN	NE	e	08 35 04		Tremor
21	SHILLONG	Z	iP	12 30 45		Slight, distant Compression
21	SHILLONG	Z	iP	12 01 56		Slight, distant
			i	03 37		Rarefaction
21	SHILLONG	Z	e	15 49 04		Slight, distant
21	SHILLONG	Z	iP	19 26 56		Slight, distant Rarefaction
21	Epc: 18°S, 176°W. Fiji Island Region. - h about 250 km - H = 20h. 59m 10s G.M.T.(U.S.C.G.S)					
	SHILLONG	Z	iP	21 12 31		Slight,
		E	eP			rarefaction
		E	iPP	15 42		
			i	22 47		
	CHATRA	Z	e	21 15 29		Feeble
	DEHRA DUN	NE	ePP	21 18 15		Feeble
			i	24 53		
			i	29 10		
21	SHILLONG	Z	iP	23 28 25		Slight, distant compression
21	SHILLONG	Z	iP	23 31 21		Slight, distant compression
22	SHILLONG	Z	eP	00 13 21		Slight, distant
22	SHILLONG	Z	e	03 43 27		Slight, distant
22	SHILLONG	Z	e	08 35 22		Slight, near
22	SHILLONG	Z	iPg	10 59 33		Slight, near compression
22	Epc: 51°N, 179½°W. Andreanof Islands, Aleutian Islands - H =20h 33m 40s G.M.T.(U.S.C.G.S)					
	CHATRA	Z	iP	20 45 05		Feeble
	SHILLONG	Z	iP	20 45 07		Slight, compression
22	SHILLONG	Z	e	21 32 27		Feeble, near
22	SHILLONG	Z	e	22 20 48		Feeble, near
22	SHILLONG	Z	iP	22 27 23		Slight, distant compression
22	SHILLONG	Z	e	23 38 41		Slight, distant

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
23	SHILLONG	Z	iP	03 45 05		Slight, distant
			e	50 43		Rarefaction
23	SHILLONG	Z	e	03 50 43		Slight, distant
23	SHILLONG	Z	iP	08 11 27		Slight, distant compression
23	SHILLONG	Z	eP	21 08 23		Slight, distant
24	SHILLONG	Z	e	03 55 57		Slight, distant
24	SHILLONG	Z	ePg	06 56 37		Slight, near
			e	56 44		
24	SHILLONG	Z	ePg	07 23 42		Slight, near
			i	23 55		
24	SHILLONG	Z	e	07 29 25		Slight, near
			e	29 59		
24	SHILLONG	Z	eP	08 09 57		Slight, distant
	DEHRA DUN	NE	e	08 12 43		Feeble
24	SHILLONG	Z	e	12 10 40		Slight, near
			e	10 47		
24	SHILLONG	Z	eP	15 25 43		Slight, distant
24	SHILLONG	ZE	iP	17 00 17		Slight, distant
			i	05 03		First movement
		Z	i	06 47		East.
	CHATRA	Z	iP	17 00 53	3510	Slight
		E	iS	06 08		
24	SHILLONG	Z	i	20 45 57		Slight, distant
25	SHILLONG	Z	e	04 12 12		Slight, distant
25	SHILLONG	Z	iPg	00 51 18		Slight, near
			i	51 28		Compression
			i	51 44		
25	SHILLONG	Z	e	04 32 51		Slight, distant
25	SHILLONG	Z	e	05 08 33		Slight, distant
25	SHILLONG	Z	eP	12 33 11		Slight, distant
25	SHILLONG	Z	eP	12 57 29		Slight, distant
25	SHILLONG	Z	iP	14 47 08		Slight, distant Rarefaction
25	SHILLONG	Z	i	14 53 13		Slight, distant
25	SHILLONG	Z	i	15 10 07		Tremor
25	SHILLONG	Z	iP	23 32 41		Slight, distant Compression
25	SHILLONG	Z	iP	23 44 07		Slight, distant Compression
25	SHILLONG	Z	eP	23 57 38		Slight, distant
27	BOKARO	NE	e	09 26 20		Slight, distant
		N	i	34 01		phases not clearly developed.
27	SHILLONG	Z	iP	12 18 48		Slight, distant Compression
	CHATRA	Z	i	13 19 02		Feeble, distant
27	Epc: 38°N, 20½°E. Near West Coast of Greece - H = 15h 15m 35s G.M.T.(U.S.C.G.S)					
	DEHRA DUN	NE	eP	15 25 13	5140	Slight
		N	PPP	27 57		
			iS	32 00		
			SS	35 05		
			SSS	36 15		
			Lr	38 14		
			M	42 01		
	AGRA	NE	eP	15 25 19	5370	Moderate
		N	PcS/ScP	30 47		
		NE	iS	32 19		
			PPS	32 28		
		N	ScS	35 08		
			SS	36 08		
		NE	M	42 40		Per. =25 secs Amp. =22 mm

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DATE	STATION	COMPT	PHASE	G. h	M. m	T. s	Δ km	REMARKS
27 Contd	MADRAS	E	e	15	25	25		
			e		27	04		
			e		31	41		
			eS		34	25		
	BOMBAY	NE	e	15	25	37		Slight, beginning uncertain.
			eS		32	25		
		N	eScS		35	17		
			eSS		36	15		
	CHATRA	Z	iP	15	26	13	5220	Slight
		E	iS		34	01		
	SHILLONG	Z	iP?	15	26	43		Moderate, rarefaction
		N	eP?					
	TOCKLAI	E	iP	15	26	49		Moderate. First movement West.
	PORT BLAIR	E	iS	15	36	39		Slight
	HYDERABAD	E	M	15	52	45		Per. 12 secs A 3
27	SHILLONG	Z	iP	16	12	44		Slight, distant compression.
27	SHILLONG	Z	ePg	19	37	05	100	Feeble
			eSg		37	17		
27	SHILLONG	Z	iP	19	51	55		Slight, distant Rarefaction
27	SHILLONG	Z	iP	20	13	21		Slight, distant Compression
27	SHILLONG	Z	iPg	23	09	42	90	Slight, rarefaction
			iSg		09	52		
28	SHILLONG	Z	e	08	35	45		Near
28	SHILLONG	Z	iP	12	27	30		Slight, distant Rarefaction
28	SHILLONG	Z	e	19	39	54		Slight, distant
29	CHATRA	Z	i	09	00	04		Feeble, distant
29	SHILLONG	EZ	iP	12	36	53		Slight, distant Rarefaction, First movement East.
	CHATRA	Z	i	12	37	19		Feeble, distant
29	DEHRA DUN	NE	e	12	48	34		Feeble
29	SHILLONG	Z	e	13	03	56		Slight, distant
29	SHILLONG	Z	e	13	36	05		Slight, distant
29	SHILLONG	Z	e	14	55	08		Slight, near
29	CHATRA	Z	iP	16	14	19	200	Feeble
			iS		14	43		
29	SHILLONG	Z	iP	16	44	25		Slight, distant Compression
29	SHILLONG	Z	e	17	11	58		Slight, distant
29	CHATRA	Z	iPg	18	41	42	20	Feeble
			iSg		41	45		
29	SHILLONG	Z	iP	22	31	04		Slight, distant Rarefaction
30	SHILLONG	Z	iP	01	54	58	280	Slight, compression
			P*		55	00		
			Pg/PP		55	05		
			PPP		55	12		
			S*		55	30		
			Sg		55	32		
	CHATRA	Z	iP	01	55	59	800	Slight
			iS		57	22		
30	SHILLONG	Z	iPg	06	24	45		Slight, near Rarefaction
			i		24	55		
30	CHATRA	Z	i	07	15	24		Feeble, distant
30	CHATRA	Z	i	07	17	01		Feeble near
30	SHILLONG	Z	e	07	45	53		
			i		46	57		
30	SHILLONG	Z	e	13	38	08		Slight, distant
30	SHILLONG	Z	ePg	17	35	04		Slight, near
			eSg		35	20		
30	SHILLONG	Z	i	20	54	20		Tremor
30	SHILLONG	Z	iP	23	39	20		Slight, distant Compression
31	MADRAS	E	e	00	06	28		Feeble, near
	CHATRA	Z	iP	00	07	23	720	Feeble
			iS		08	38		
31	SHILLONG	Z	iPg	04	08	08		Feeble, local Rarefaction
			i		08	09		
31	SHILLONG	Z	iPg	04	34	41		Feeble, local Rarefaction
			i		34	43		
			i		34	48		
			i		34	51		
			i		34	55		
			i		34	57		
31	SHILLONG	Z	eP	04	54	54	220	Slight
			i		55	04		
			S		55	20		
			Sg		55	23		
			SS		55	29		
			SSS		55	40		
31	SHILLONG	Z	eP	05	05	37		Slight, distant
31	Epc: 28½°N, 62°E. Iran-Pakistan border - H =09h 18m 15s G.M.T (U.S.C.G.S)							
	DEHRA DUN	NE	eP	09	21	42		Feeble
			eS		24	06		
			i		26	21		
	CHATRA	Z	iP	09	23	16		Feeble
			i		23	42		
	SHILLONG	Z	eP	09	23	56		Slight
31	CHATRA	Z	i	09	27	14		Feeble, distant
31	SHILLONG	Z	eP	12	05	53		Slight, distant
31	SHILLONG	Z	iP	15	06	52		Slight, distant Compression
31	SHILLONG	Z	iP	16	32	15		Slight, distant Compression

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s	Δ km	REMARKS
31	SHILLONG	Z	i	19 46 13		
31	SHILLONG	Z	iP	23 12 31		Slight distant Compression
	DEHRA DUN	NE	e	23 12 40		Feeble
			i	22 41		

Earthquake Reports
(Non Instrumental Reports)

The following table contains a list of earthquakes that were reported by Voluntary Observers from various stations during the month of August 1958.

Place at which felt	Date	Time at which felt G.M.T.	Duration in secs	Intensity in R.F. scale	No. of shocks	Remarks
		h. m.				
SRINAGAR	04	20 45	20	IV	2	
SRINAGAR	08	12 52	15	V	1	
GULMARG	08	12 54	3	VI	1	
JORHAT	13	17 14	2	V	1	
NORTH LAKHIMPUR	13	17 14	3	V	1	
SRINAGAR	19	22 52	10	V	1	
MERCARA	30	20 45	3	VI	1	

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MICROSEISMIC TABULATION

August 1958

Station: BOMBAY Compt.: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	(2)	1.5	2.9
	06	(2)	1.3	3.3
	12	(2)	1.3	3.0
	18	(2)	1.1	2.7
02	00	2	1.3	3.6
	06	2	1.0	3.0
	12	2	1.1	2.6
	18	2	1.0	2.5
03	00	2	1.1	2.9
	06	2	1.0	2.8
	12	2	1.0	2.7
	18	2	1.0	2.7
04	00	2	0.9	3.1
	06	2	0.9	3.2
	12	2	1.0	3.1
	18	2	0.7	3.3
05	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
07	00	-	-	-
	01	(2)	1.0	2.7
	02	2	1.0	2.8
	03	2	0.9	2.8
	04	2	1.1	3.4
	05	2	1.1	3.2
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	2	1.9	5.1
	13	2	1.3	4.8
	14	2	1.5	4.4
	15	2	1.5	4.7
	16	2	1.6	4.7
	17	2	1.5	4.5
	18	2	1.4	4.5
	19	2	1.7	4.8
	20	2	1.7	4.6
	21	2	1.5	4.5
	22	2	1.7	4.4
	23	2	1.4	4.4
08	00	2	1.7	4.5
	06	2	1.7	4.3
	12	2	1.3	4.0
	18	2	1.3	4.5
09	00	2	1.4	4.4
	06	2	1.3	4.8
	12	2	1.5	4.5
	18	2	1.7	4.8
10	00	2	1.1	4.5
	06	2	1.3	4.4
	12	2	1.3	4.6
	18	2	1.3	4.8
11	00	2	1.3	4.9
	06	2	1.3	4.8
	12	2	1.6	4.5
	18	2	1.9	4.7
12	00	(2)	2.1	5.2
	01	1	1.9	4.9
	02	1	1.8	5.0
	03	1	1.7	5.0
	04	1	1.8	4.7
	05	1	2.1	4.8
	06	1	2.1	4.6
	07	1	2.1	4.9
	08	1	2.3	4.8
	09	1	2.1	4.8
	10	1	1.9	4.7
12 Contd.	11	1	2.0	4.8
	12	2	2.2	4.0
	13	2	2.1	4.5
	14	2	1.9	4.4
	15	2	2.1	3.9
	16	2	2.0	4.4
	17	3	2.1	4.3
			0.9	1.8
	18	3	1.9	3.9
			0.9	1.8
	19	3	1.9	4.0
			1.0	2.2
	20	-	-	-
	21	3	1.7	4.1
			0.7	1.8
	22	3	2.1	4.6
			0.9	2.0
	23	3	1.7	4.2
			0.9	2.0
13	00	3	1.7	4.0
			1.1	2.1
	06	2	1.5	2.8
	12	2	1.3	2.5
	18	2	1.3	2.8
14	No record			
15	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	2	2.2	4.4
	06	2	2.0	4.2
	07	2	1.9	4.1
	08	2	2.6	4.8
	09	2	2.1	4.3
	10	2	2.1	4.2
	11	2	2.5	4.6
	12	2	2.3	4.5
	13	2	2.2	4.3
	14	2	2.3	4.0
	15	2	2.2	3.9
	16	2	2.2	4.4
	17	2	2.5	4.3
	18	2	2.5	4.3
	19	2	2.5	4.3
	20	2	2.3	4.1
	21	-	-	-
	22	2	2.1	4.4
	23	-	-	-
16	00	-	-	-
	06	2	1.7	3.9
	12	2	2.1	4.3
	18	2	1.9	4.4
17	00	2	2.1	4.1
	06	2	1.9	4.2
	12	2	2.0	4.5
	18	2	1.5	4.5
18	00	2	1.7	3.7
	06	2	1.7	3.0
	12	2	1.7	3.4
	18	2	1.3	3.3
19	00	2	1.4	3.4
	06	2	1.5	3.2
	12	3	1.6	3.4
			0.3	1.5
	18	3	1.3	3.4
			0.5	1.7
20	00	3	1.5	3.5
			0.5	1.7
	06	3	1.1	3.4
			0.5	2.0
	12	3	1.4	3.8
			0.6	1.8
	18	3	1.5	3.6
			0.5	1.9
21	00	3	1.2	3.7
			0.6	1.7
21 Contd.	06	3	1.5	3.6
			0.5	2.0
	12	3	1.4	3.9
			0.7	1.8
	18	3	1.5	3.8
			0.3	1.7
22	00	3	1.5	3.7
			0.5	1.8
	06	3	1.3	3.9
			0.3	2.0
	12	3	1.5	3.4
			0.5	1.7
	18	3	1.3	3.5
			0.5	2.0
23	00	3	1.3	3.9
			0.3	1.7
	06	3	1.1	4.2
			0.3	1.8
	12	3	1.3	3.9
			0.5	1.8
	18	3	1.6	3.4
			0.5	1.7
24	00	3	1.9	3.1
			0.7	1.7
	06	3	1.5	3.0
			0.9	1.8
	12	3	1.1	3.1
			0.9	1.7
	18	-	-	-
25 to 27	No records.			
28	00	-	-	-
	06	2	1.5	4.3
	12	2	1.9	4.9
	18	2	1.5	4.3
29	00	2	1.4	4.6
	06	2	1.7	4.7
	12	2	1.5	4.5
	18	2	1.5	4.3
30	00	2	1.6	4.4
	06	1	1.7	4.2
	12	1	2.4	3.4
	18	-	-	-
31	00	-	-	-
	06	2	1.7	3.1
	12	2	1.5	3.6
	18	2	1.6	3.5

COCHIN. Compt.: Vertical

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
02	06	1	0.0	-
04	06	1	0.0	-
05	06	-	-	-
06	06	1	0.0	-
07	06	1	0.0	-
08	06	1	0.0	-
09	06	-	-	-
11	06	1	0.0	-
12	06	1	0.0	-
13	06	1	0.0	-
14	06	1	0.0	-
15	06	1	0.0	-
20	06	1	0.0	-
21	06	1	0.0	-
22	06	1	0.0	-
23	06	1	0.0	-
25	06	1	0.0	-
26	06	-	-	-
30	06	-	-	-

Station: COCHIN Compt. E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
02	06	1	1.0	1.5
04	06	1	1.88	1.6
05	06	1	1.55	1.5
06	06	1	0.8	1.4
07	06	1	3.07	1.7
08	06	1	0.8	1.4
09	06	1	1.95	1.6
11	06	1	1.9	1.4
12	06	1	3.45	1.4
13	06	1	2.8	1.5
14	06	1	1.8	1.4
16	06	1	0.8	1.4
18	-	-	-	-
20	06	1	2.15	1.5
21	06	1	1.8	1.4
22	06	3	1.3	1.4
23	06	3	1.9	1.4
25	06	1	1.4	1.5
26	06	1	1.0	1.4
30	06	1	2.8	1.5

Component: N.S.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
02	06	2	-	-
04	06	-	-	-
05	06	1	0.0	-
06	06	1	0.0	-
07	06	1	1.88	1.5
08	06	1	0.8	1.4
09	06	1	0.0	-
11	06	1	0.0	-
12	06	1	1.67	1.5
13	06	1	1.1	1.4
14	06	1	0.9	1.4
16	06	1	0.0	-
20	06	1	1.8	1.4
21	06	1	0.9	1.4
22	06	1	1.4	1.4
23	06	2	-	-
25	06	1	0.8	1.5
26	06	-	-	-
30	06	1	1.0	1.4

Station: MADRAS Compt: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	1	5.0	1.2
	03	1	5.0	1.3
	06	1	5.2	1.2
	12	1	5.1	1.1
	18	1	5.1	1.1

International Seismological Centre From the ISC collection scanned by SISMOS

Station: MADRAS Compt: E.W. August 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
02	00	1	1.0	5.2
	03	1	1.1	5.1
	06	1	1.1	5.2
	12	1	1.1	5.1
	18	1	1.0	5.2
03	00	1	0.9	5.2
	03	1	0.9	5.1
	06	1	1.0	5.2
	12	1	1.1	5.1
	18	1	1.0	5.1
04	00	1	1.1	5.4
	03	1	1.0	5.2
	06	1	1.0	5.3
	12	1	1.1	5.2
	18	1	1.0	5.1
05	00	1	1.0	5.0
	03	1	0.8	5.0
	06	1	1.0	5.0
	12	1	0.9	4.9
	18	1	0.7	4.5
06	00	3	0.6	4.7
	03	1	0.5	4.3
	06	1	0.6	4.3
	12	1	0.6	4.2
	18	1	0.7	4.1
07	00	1	0.9	4.3
	01	1	0.8	4.5
	02	1	0.9	4.6
	03	1	1.0	4.5
	04	1	0.9	4.5
	05	1	0.8	4.5
	06	1	0.8	4.5
	07	1	0.9	4.5
	08	1	0.8	4.6
	09	1	0.8	4.5
	10	1	1.0	4.6
	11	1	0.9	4.6
	12	1	0.9	4.7
	13	1	0.9	4.6
	14	1	0.9	4.6
	15	1	1.0	4.6
	16	1	0.9	4.6
	17	1	1.0	4.5
	18	1	1.0	4.6
	19	1	0.9	4.3
	20	1	0.9	4.5
	21	1	1.0	4.8
	22	1	1.0	4.7
	23	1	0.9	4.6
08	00	1	1.0	4.6
	03	1	0.9	4.5
	06	1	1.0	4.8
	12	1	0.9	4.8
	18	1	0.9	4.8
09	00	1	1.0	4.9
	03	1	1.0	4.8
	06	1	0.9	4.9
	12	1	1.0	5.0
		3	0.4	3.2
	18	3	0.9	4.7
		3	0.6	3.0
10	00	3	0.9	2.8
	03	3	1.1	4.7
		3	0.9	2.7
	06	3	0.8	2.8
	12	3	0.9	2.8
	18	3	1.0	4.0
11	00	3	1.1	4.7
	03	3	1.2	4.7
	06	3	1.3	5.0
	12	1	1.6	5.1
	18	1	1.9	5.5
	21	1	2.0	5.4
12	00	1	1.7	5.3
	01	1	1.7	5.3
	02	1	1.9	5.2
	03	1	2.2	5.3
	04	1	1.9	5.6
	05	1	1.8	5.5
	06	1	1.9	5.3
12 Contd	07	1	2.1	5.5
	08	1	2.3	5.6
	09	1	1.8	5.5
	10	1	1.9	5.4
	11	1	1.9	5.5
	12	1	1.8	5.5
	13	1	1.6	5.3
	14	1	1.8	5.4
	15	1	1.7	5.3
	16	1	1.6	5.6
	17	1	1.5	5.7
	18	1	1.5	5.6
	19	1	1.5	5.5
	20	-	-	-
	21	1	1.5	5.2
	22	3	1.4	5.3
	23	3	1.5	5.3
13	00	3	1.5	5.4
	03	-	-	-
	06	3	1.4	5.3
	12	1	1.4	5.1
	18	1	1.1	5.2
14	00	3	1.2	5.2
		1	0.3	2.6
	03	1	0.6	2.7
	06	1	0.6	2.9
	09	1	0.6	2.7
	12	1	0.6	2.6
	15	1	0.6	2.6
	18	1	0.7	2.7
15	00	1	0.7	2.8
	03	1	0.6	2.9
	06	1	0.6	2.9
	12	1	0.9	3.0
	15	1	0.8	3.1
	18	1	1.0	3.7
16	00	3	0.8	3.2
	03	1	0.8	3.0
		3	0.9	3.9
	06	1	0.9	3.1
		3	1.0	4.3
	12	1	0.9	3.1
		3	1.0	4.3
	18	1	0.7	2.9
		3	1.0	4.3
17	00	3	1.0	4.2
	03	1	1.1	4.3
	06	1	1.2	4.2
	12	1	0.9	4.0
	18	1	0.9	4.2
18	00	3	0.8	4.0
	03	3	0.9	4.2
	06	3	0.7	4.2
	12	3	1.0	4.2
	18	3	0.8	4.1
19	00	3	0.8	4.0
	03	3	0.7	3.9
	06	3	0.6	3.8
	12	3	0.7	4.0
	18	3	0.7	3.8
20	00	3	0.7	3.5
	03	1	0.8	3.3
	06	1	0.9	3.0
	12	1	0.9	3.1
	18	1	0.8	3.0
21	00	1	0.7	3.1
	03	1	0.7	3.2
	06	1	0.7	3.5
	12	1	0.8	3.7
	18	1	1.0	4.0
22	00	1	1.1	4.0
	03	1	1.1	4.2
	06	1	1.0	4.1
	12	1	1.0	4.1
	18	1	1.0	4.1
23	00	1	1.0	4.1
	03	-	-	-
	06	1	1.1	4.1
	12	1	1.0	4.2
	18	1	1.2	4.2
24	00	1	1.3	4.7
	03	1	1.3	4.9
	06	1	1.1	4.7
	12	1	1.2	4.8
	18	1	1.2	4.7
25	00	1	1.0	4.8
	03	1	1.4	4.9
	06	1	1.4	4.9
	12	1	1.2	5.0
	18	1	1.3	5.2
26	00	3	1.3	5.1
		1	0.4	2.5
	03	3	1.2	5.0
		1	0.5	2.6
	06	3	1.3	5.1
		1	0.7	2.8
	12	3	1.1	5.2
		1	0.7	2.8
	18	3	1.4	5.1
		1	0.7	2.8
27	00	3	1.3	5.0
		1	0.5	2.6
	03	3	1.4	5.1
		1	0.8	2.7
	06	3	1.4	5.3
		1	0.7	2.6
	12	3	1.3	5.2
		1	0.9	2.9
	18	3	1.3	5.1
		1	0.7	2.9
28	00	3	1.1	4.9
		3	0.7	2.8
	03	3	1.1	5.0
		1	0.7	2.8
	06	3	1.0	5.0
		1	0.6	2.8
	12	3	1.1	4.9
		1	0.8	2.7
	18	3	1.1	4.8
		1	0.8	2.6
29	00	3	0.9	4.9
		1	0.8	2.8
	03	3	0.9	4.8
		1	0.7	2.7
	06	3	0.9	4.8
		1	0.6	2.9
	12	3	1.0	4.9
		1	0.8	2.9
	18	3	1.0	4.6
		1	0.7	2.9
30	00	3	1.0	4.4
		3	0.6	3.0
	03	3	1.1	4.3
	06	3	1.2	4.6
	12	3	1.1	4.4
	18	3	1.2	4.1
31	00	3	1.1	4.1
	03	3	1.2	4.1
	06	3	1.0	4.1
	12	3	1.0	4.0
	18	3	0.9	4.0

Station: SHILLONG Compt.: E.W

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.24	4.5
02	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	1	0.22	5.0
04	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
05	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
07	00	1	0.12	4.2
	01	1	0.12	4.5
	02	1	0.18	4.2
	03	1	0.16	4.7
	04	1	0.18	5.0
	05	1	0.16	4.8
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	1	0.24	4.2
	12	1	0.18	4.2
	13	1	0.22	4.5
	14	1	0.24	5.0
	15	1	0.20	4.8
	16	-	-	-
	17	1	0.24	5.0
	18	1	0.20	4.8
	19	-	-	-
	20	-	-	-
	21	1	0.24	4.9
	22	1	0.18	4.5
	23	1	0.18	5.0
08	00	1	0.19	4.7
	06	1	0.22	4.7
	12	1	0.16	4.9
	18	1	0.24	5.0
09	00	-	-	-
	06	1	0.12	5.0
	12	1	0.16	4.9
	18	-	-	-
10	00	1	0.18	4.5
	06	-	-	-
	12	1	0.24	4.8
	18	1	0.20	5.0
11	00	1	0.18	5.0
	06	-	-	-
	12	-	-	-
	18	1	0.14	5.0
12	00	1	0.36	5.0
	01	1	0.30	6.0
	02	1	0.24	5.5
	03	-	-	-
	04	1	0.24	5.5
	05	1	0.30	6.0
	06	1	0.32	6.0
	07	1	0.42	5.7
	08	1	0.40	6.0
	09	-	-	-
	10	1	0.36	5.8
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	1	0.14	5.0
	16	-	-	-
	17	1	0.18	5.0
	18	1	0.20	5.5
	19	-	-	-
	20	-	-	-
	21	1	0.14	5.5
	22	-	-	-
	23	1	0.30	5.5
13	00	1	0.30	5.6
	06	-	-	-
	12	1	0.18	5.8
	18	-	-	-
14	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs

Station: SHILLONG Component: E.W. August 1958

14	06	-	-	-
Contd.	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	1	0.12	4.5
	21	-	-	-
	22	-	-	-
	23	-	-	-
15	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	1	0.12	4.5
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	1	0.12	4.5
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
16	00	-	-	-
	06	1	0.12	4.5
	12	-	-	-
	18	1	0.14	4.5
17	00	-	-	-
	06	1	0.18	4.6
	12	1	0.19	4.5
	18	1	0.16	4.5
18	00	1	0.12	4.4
	06	-	-	-
	12	-	-	-
	18	-	-	-
19	00	-	-	-
	06	1	0.18	5.5
	12	-	-	-
	18	-	-	-
20	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
21	00	-	-	-
	06	-	-	-
	12	1	0.18	4.8
	18	-	-	-
22	00	-	-	-
	06	-	-	-
	12	1	0.12	4.2
	18	1	0.12	4.5
23	00	1	0.12	4.2
	06	1	0.18	4.5
	12	1	0.14	4.5
	18	1	0.18	5.0
24	00	1	0.18	4.5
	06	1	0.16	4.5
	12	1	0.14	4.5
	18	1	0.12	4.5
25	00	1	0.18	4.6
	06	1	0.17	4.7
Contd.	12	-	-	-
	18	-	-	-
26	00	1	0.16	5.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
27	00	-	-	-
	06	1	0.14	4.5
	12	1	0.18	4.7
	18	1	0.18	4.8
28	00	1	0.16	4.5
	06	1	0.16	4.5
	12	-	-	-
	18	1	0.17	4.7
29	00	1	0.18	4.5
	06	1	0.18	4.5
	12	1	0.24	5.0
	18	1	0.12	4.5
30	00	1	0.14	4.5
	06	1	0.18	5.0
	12	1	0.20	4.8
	18	1	0.18	4.8
31	00	1	0.20	4.5
	06	1	0.17	4.5
	12	1	0.18	4.7
	18	1	0.24	5.0

Station: PORT BLAIR Compt: E.W.

01 to 07 No records.

08	00	3	-	-
	03	-	-	-
	06	3	-	-
	09	3	-	-
	12	3	-	-
	15	-	-	-
	18	3	-	-
	21	-	-	-
09	00	3	-	-
	03	-	-	-
	06	3	-	-
	12	3	-	-
	18	-	-	-
10	00	3	-	-
	06	3	1.19	6.0
			0.70	3.1
	12	3	1.21	6.0
			0.99	2.8
	18	3	1.10	5.1
			1.00	3.0
11	00	3	1.29	6.1
			0.90	2.8
	06	3	1.39	6.1
	12	3	1.61	6.1
	18	3	1.49	6.0
12	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	3	1.10	6.2
	04	3	1.00	6.4
	05	3	1.10	6.3
	06	3	1.10	5.2
	07	3	1.10	6.2
	08	3	1.11	5.3
	09	3	1.10	6.4
	10	3	1.10	5.2
	11	3	1.00	5.2
	12	3	1.10	5.3
			2.20	2.0
	13	3	1.10	6.1
			0.21	2.0
	14	3	0.40	2.0
	15	3	0.46	2.0
	16	3	0.48	2.0
	17	3	0.50	2.0
	18	3	0.50	2.0
	19	3	0.50	2.0
	20	-	-	-
	21	3	0.51	2.0

Station: PORT BLAIR Compt.: E.W.

12	22	3	0.51	2.0
Contd.	23	3	0.61	2.0
13	00	1	0.60	2.1
	06	1	0.80	2.1
	12	1	0.81	2.0
	18	1	0.90	2.0
14	00	1	1.23	2.6
	01	-	-	-
	02	1	1.75	2.0
	03	1	1.60	2.5
	04	1	1.55	2.5
	05	1	1.55	2.5
	06	1	1.53	2.5
	07	1	1.48	2.4
	08	1	1.51	2.5
	09	1	1.50	2.3
	10	1	1.48	2.3
	11	1	1.50	2.3
	12	1	1.51	2.5
	13	1	1.48	2.5
	14	1	1.51	2.6
	15	1	1.51	2.6
	16	1	1.60	2.6
	17	1	1.61	2.5
	18	1	1.62	2.5
	19	1	1.61	2.5
	20	1	1.60	2.5
	21	1	1.71	2.5
	22	1	1.68	2.5
	23	1	1.72	2.5
15	00	1	1.80	2.5
	01	1	2.10	2.8
	02	-	-	-
	03	1	2.10	2.5
	04	1	2.20	2.5
	05	1	2.10	2.6
	06	1	2.10	2.6
	07	1	2.20	2.6
	08	1	2.12	2.8
	09	1	2.11	2.8
	10	1	2.00	2.8
	11	1	2.10	2.8
	12	1	2.13	2.9
	13	1	2.20	2.9
	14	1	2.20	3.0
	15	1	2.30	2.9
	16	1	2.50	3.0
	17	1	2.50	3.0
	18	1	2.50	3.0
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
16	00	1	1.85	3.4
	06	1	2.11	3.4
	12	1	2.10	3.6
	18	1	2.21	4.1
17	00	1	2.21	4.1
	06	1	2.82	4.1
	12	1	2.63	4.1
	18	1	2.19	4.1
18	00	1	1.64	4.1
	06	1	1.19	4.1
	12	1	1.20	4.0
	18	1	1.08	4.0
19	00	1	1.10	4.1
	06	1	0.90	3.8
			2.10	7.8
	12	-	-	-
	18	-	-	-
20	00	-	-	-
	06	3	0.90	4.0
	12	3	2.11	7.8
			1.10	4.0
	18	3	2.14	7.8
			1.06	4.0
21	00	3	0.95	4.0
			2.10	8.0
	06	3	2.11	7.9
			1.20	4.0
	12	3	2.01	8.0
			1.25	4.0
	18	3	2.10	8.0
			1.40	4.0
22	00	3	2.10	8.0
			1.09	4.0
	06	1	1.71	4.0
	12	1	1.75	4.0
	18	1	1.33	4.0
23	00	1	1.25	4.0
	06	1	1.90	4.0
	12	1	1.24	4.0
	18	1	1.10	4.0
24	00	1	0.95	4.0
	06	1	1.11	3.0
	12	1	1.21	3.2
	18	1	1.64	3.6
25	00	1	1.43	3.3
	06	1	1.60	3.2
	12	1	1.60	3.2
	18	1	1.75	3.3
26	00	1	1.85	3.3
	06	1	1.95	3.3
	12	1	2.10	3.3
	18	1	2.23	3.3
27	00	1	2.10	3.0
	03	1	2.20	3.3
	06	1	2.20	3.4
	09	1	2.31	3.9
	12	1	2.68	3.8
	15	1	2.80	4.0
	18	1	2.87	4.0
	21	1	2.74	4.0
28	00	1	3.11	4.1
	03	1	3.32	4.0
	06	1	3.50	4.1
	09	1	3.61	4.1
	12	1	3.55	4.1
	15	1	3.75	4.2
	18	1	4.10	4.2
	21	-	-	-
29	00	-	-	-
	03	1	4.50	4.0
	05	1	4.63	4.1
	09	1	4.88	4.2
	12	1	4.92	4.2
	15	1	5.02	4.2
	18	1	5.40	4.2
	21	1	5.10	4.2
30	00	1	5.30	4.2
	03	-	-	-
	06	1	5.30	4.2
	09	1	5.20	4.1
	12	1	5.10	4.0
	15	1	5.02	4.2
	18	1	5.10	4.2
	21	1	5.01	4.1
31	00	1	4.98	4.1
	03	-	-	-
	06	-	-	-
	09	1	4.12	4.0
	12	1	4.22	4.0
	15	1	4.24	4.2
	18	1	4.21	4.2
	21	1	3.90	4.0

International Seismological Centre From the ISC collection scanned by SISMOS

Station: HOWRAH Component: E.W. August 1958 Station: HO

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	-	2.4	4.1
	06	-	-	-
	12	-	-	-
	18	-	2.5	3.3
02	00	-	2.3	3.9
	06	-	3.4	3.3
	12	-	3.4	3.5
	18	(3)	3.5	4.0
			2.5	3.0
03	00	-	2.4	3.5
	06	-	2.3	3.2
	12	-	2.2	3.5
	18	-	2.8	2.8
04	00	-	2.2	3.3
	06	-	-	-
	12	-	-	-
	18	-	2.2	2.8
05	00	-	1.5	2.7
	06	-	2.5	2.5
	12	-	-	-
	18	-	2.1	4.0
06	00	-	2.3	4.5
	06	-	-	-
	12	-	-	-
	18	-	2.0	4.4
07	15	-	2.0	4.5
	16	-	2.1	4.6
	17	-	1.9	4.5
	19	-	1.8	4.9
	20	-	1.7	4.8
	21	-	2.0	3.0
08	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.1	3.1
09	00	-	1.8	2.4
	06	-	-	-
	12	-	-	-
	18	-	2.2	4.4
10	00	-	2.8	4.7
	06	-	-	-
	12	-	-	-
	18	-	2.7	5.0
			1.4	3.8
11	00	-	2.3	4.2
	06	-	-	-
	12	-	2.8	4.4
	18	-	2.4	5.1
12	01	-	2.6	5.0
	02	-	2.7	5.1
	03	-	2.8	4.9
	04	-	3.0	5.1
	05	-	3.1	5.2
	07	-	3.0	5.2
	08	-	3.2	5.3
	14	-	2.8	5.2
	15	-	2.9	5.1
	16	-	2.8	5.0
	17	-	2.7	5.1
	19	-	2.8	5.0
	20	-	2.8	4.9
	21	-	2.9	5.0
	22	-	2.8	5.2
	23	-	2.9	5.1
13	00	-	2.5	5.1
	06	-	-	-
	12	-	3.5	5.0
	18	-	2.1	4.0
14	01	-	-	-
	17	-	1.8	3.4
	19	-	2.2	4.4
	20	-	2.5	4.0
			1.9	2.5
	21	-	2.4	4.2
	22	-	2.5	3.9
	23	-	2.3	4.0
15	00	-	-	-
	01	-	2.8	4.0
	02	-	2.5	3.7
	03	-	2.5	3.6
	04	-	2.6	3.7
	05	-	2.5	3.6
	07	-	2.6	3.7
	08	-	2.7	3.8
	09	-	2.6	3.6
	10	-	2.7	3.8
	11	-	2.4	3.6
	13	-	2.7	3.9
	14	(3)	2.9	5.0
			2.1	3.1
	15	-	2.4	3.0
	15	(3)	2.9	4.2
			2.1	3.1
	17	-	2.5	3.7
	19	-	2.9	4.0
	20	-	2.8	4.2
			2.4	3.2
	21	-	-	-
	22	-	2.6	3.8
	23	-	-	-
16	00	-	-	-
	06	-	3.5	4.1
	12	-	2.7	4.5
	18	-	3.3	4.2
17	00	-	2.6	3.2
	06	-	3.0	3.2
	12	(1)	3.2	3.4
	18	(1)	4.7	3.4
18	00	-	4.1	3.3
	06	-	3.5	2.9
	12	-	3.4	3.1
	18	-	3.4	3.4
19	00	-	3.2	3.3
	06	-	2.0	3.4
	12	-	1.5	3.1
	18	-	1.7	3.2
20	00	-	1.8	3.2
	06	-	-	-
	12	-	-	-
	18	-	2.5	4.0
21	00	-	2.1	4.0
	06	-	2.5	3.6
	12	-	-	-
	18	-	2.2	3.7
22	00	-	1.9	3.9
	06	-	-	-
	12	-	-	-
	18	-	1.7	4.2
23	00	-	2.1	3.5
	06	-	-	-
	12	-	-	-
	18	-	2.3	4.4
24	00	-	2.6	4.2
	06	-	-	-
	12	-	2.7	4.9
	18	-	2.5	4.4
25	00	-	2.7	4.4
	06	-	-	-
	12	-	-	-
	18	-	2.8	4.5
26	00	-	1.8	4.1
	06	-	-	-
	12	-	-	-
	18	-	2.2	3.3
27	00	-	2.5	3.4
	06	-	-	-
	12	-	-	-
	18	-	2.7	4.2
28	00	-	2.6	3.8
	06	-	-	-
	12	-	-	-
	18	-	3.1	3.6
29	00	-	2.9	3.2
	06	-	-	-
	12	-	2.9	2.9
	18	-	4.1	3.2
30	00	-	3.2	3.0
	06	-	3.4	3.3
	12	-	2.3	2.9
	18	(3)	3.6	4.4
			2.7	3.1
31	00	-	2.7	3.3
	06	-	4.3	4.3
			3.0	3.
	12	-	3.1	4.
			3.2	
	18	-	3.0	4

Component: VERT

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	-	1.4	
	06	-	2.8	
	12	-	2.1	
	18	-	1.8	
02	00	-	2.5	
	06	-	2.9	
	12	-	3.1	
	18	-	2.7	
03	00	-	1.9	
	06	-	2.5	
	12	-	1.4	
	18	-	-	
04	00	-	1.	
	06	-	1.	
	12	-	1.	
	18	-	1	
05	00	-		
	06	-		
	12	-		
	18	-		
06	00	-		
	06	-		
	12	-		
	18	-		
07	01	-		
	02			
	03			
	04			
	05			
	07			
	08			
	09			
	10			
	11			
	13			
	14			
	15			
	1			
	1			
	1			
08				
09				
10				

International Seismological Centre From the ISC collection scanned by SISMOS

Station: HOWRAH Comp.: Vertical August 1958

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
19	00	-	2.7	3.4
	06	-	2.3	3.2
	12	-	1.3	3.2
	18	-	1.2	3.2
20	00	-	1.1	3.1
	06	-	2.3	3.4
	12	-	1.2	3.3
	18	-	1.6	4.0
			1.4	3.4
21	00	-	1.3	3.6
	06	-	1.1	3.4
	12	-	1.2	3.6
	18	-	1.7	3.7
22	00	-	1.2	3.1
	06	-	1.6	3.9
	12	-	1.5	3.3
	18	-	1.2	4.3
			0.8	3.5
23	00	-	1.2	3.5
	06	-	0.9	3.6
	12	-	0.7	3.5
	18	-	1.1	3.5
24	00	-	1.2	3.5
	06	-	1.2	3.5
	12	-	2.3	3.6
	18	-	0.7	3.3
25	00	-	1.2	3.5
	06	-	1.0	3.5
	12	-	1.1	3.9
	18	-	0.7	3.4
26	00	-	0.9	3.5
	06	-	1.1	3.5
	12	-	1.1	3.9
	18	-	1.0	3.7
27	00	-	1.4	3.6
	06	-	1.1	3.8
	12	-	1.6	3.4
	18	-	1.1	3.5
28	00	-	1.5	3.4
	06	-	1.5	3.6
	12	-	2.4	3.7
	18	-	1.1	3.5
29	00	-	1.4	3.3
	06	-	1.5	2.9
	12	-	2.1	3.1
	18	-	2.9	3.1
30	00	-	3.5	3.2
	06	-	2.4	3.1
	12	(1)	2.8	3.5
	18	(1)	4.1	3.5
31	00	(1)	3.2	3.5
	06	-	5.2	3.4
	12	-	-	-
	18	-	-	-

Component: N.S.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
01	00	(3)	2.8	4.2
			2.7	3.0
	06	(3)	4.3	3.7
			3.4	2.8
	12	-	2.9	3.1
	18	-	2.8	3.1
02	00	-	2.9	3.2
	06	(3)	5.1	4.0
			4.3	3.1
	12	-	3.7	3.3
	18	-	3.0	3.2
03	00	-	2.9	3.3
	06	-	2.9	3.0
	12	-	2.6	3.2
	18	-	2.8	2.6
04	00	-	2.2	2.7
	06	(3)	2.8	3.3
			2.4	2.6
	12	-	2.2	3.0
	18	-	2.5	2.5
05	00	-	2.1	2.8
	06	-	3.1	2.5
	12	-	1.8	3.1
	18	-	1.4	2.7
06	00	(3)	1.9	4.7
			1.3	2.8
	06	-	1.4	3.2
	12	(3)	1.5	4.0
			1.2	2.2
	18	-	2.1	4.4
07	01	-	1.5	3.9
	02	-	1.7	4.0
	08	-	2.0	4.4
	09	-	2.0	4.3
	10	-	2.1	4.2
	11	-	1.9	4.3
	13	-	2.1	4.5
	14	-	2.2	4.3
	15	-	2.0	4.2
	16	-	2.4	4.4
	17	-	2.5	4.5
	19	-	2.1	4.4
			1.9	2.2
	20	-	1.8	2.4
	21	-	1.9	2.5
	22	-	1.8	2.5
	23	-	1.9	2.7
08	00	-	1.9	2.5
	06	-	2.1	2.7
	12	-	2.8	2.9
	18	-	2.2	2.8
09	00	-	2.1	2.5
	06	(3)	2.1	2.7
			2.5	4.5
10	00	(3)	2.3	3.9
			1.5	2.8
	06	-	1.9	4.5
	12	-	2.3	4.3
	18	(3)	2.2	4.4
			1.4	2.9
11	00	-	2.4	4.3
	06	-	3.0	4.8
	12	-	2.9	4.3
	18	-	3.2	5.3
12	01	-	2.9	4.4
	02	-	3.0	4.5
	03	-	3.5	5.0
	04	-	4.1	4.9
	05	-	4.0	5.1
	06	-	-	-

Component: N.S.

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
12	07	-	4.2	5.2
Contd.	08	-	3.5	4.2
	09	-	2.9	4.5
	10	-	3.0	4.0
	11	-	2.8	4.4
	12	-	-	-
	13	-	3.6	4.9
	14	-	3.2	4.6
	15	-	2.9	4.7
	16	-	2.7	4.6
	17	-	4.6	5.5
	18	-	-	-
	19	-	3.9	5.1
	20	-	3.7	4.9
	21	-	3.0	4.7
	22	-	2.9	4.8
	23	-	3.0	4.9
13	00	(3)	3.0	4.9
			2.2	3.6
	06	-	2.7	3.7
	12	-	2.2	3.4
	18	(3)	2.2	4.1
			2.0	3.1
14	01	-	2.0	3.3
	02	-	2.0	3.0
	03	-	2.4	3.2
	04	-	2.5	3.3
	05	-	2.7	3.6
	07	-	2.5	3.5
	08	-	2.6	3.9
	09	-	2.4	3.4
	10	-	2.8	3.6
	11	-	3.0	3.5
	13	-	2.1	3.0
	14	-	2.2	3.1
	15	-	2.4	3.3
	16	-	2.5	3.4
	17	-	2.4	3.5
	19	-	2.3	3.5
	20	-	1.9	2.8
			2.5	3.8
	21	-	2.7	3.9
	22	-	2.5	3.7
	23	-	2.4	3.5
15	01	-	2.5	3.2
	02	-	2.6	3.3
	03	-	2.8	3.8
	04	-	2.9	3.7
	05	-	2.8	3.4
	07	-	2.9	3.5
	08	-	3.0	3.6
	09	-	2.9	3.6
	10	-	3.0	3.7
	11	-	3.1	3.8
	13	-	3.1	3.9
	14	-	2.9	3.8
	15	-	3.1	3.7
	16	-	3.1	3.8
	17	-	3.0	3.9
	19	-	3.1	3.7
	20	-	3.2	3.8
	21	-	-	-
	22	-	3.2	3.9
	23	-	-	-
16	00	-	-	-
	06	-	3.4	3.9
	12	-	3.5	3.9
	18	-	3.7	3.9

Station: HOWRAH

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
17	00	(1)	3.6	3.4
	06	(1)	4.6	3.1
	12	(1)	5.5	3.5
	18	(1)	6.1	3.3
18	00	(1)	5.5	3.4
	06	-	4.2	3.3
	12	-	3.6	3.2
	18	-	4.1	3.1
19	00	-	3.6	3.1
	06	-	2.6	3.2
	12	-	2.3	3.2
	18	-	2.4	3.0
20	00	-	1.7	3.1
	06	-	2.5	3.2
	12	-	2.3	3.1
	18	-	2.7	3.4
21	00	-	2.3	3.9
	06	-	3.0	3.7
	12	-	3.3	3.7
	18	-	2.2	3.7
22	00	-	2.5	4.0
	06	-	2.3	3.4
	12	-	2.7	4.4
			2.9	3.5
	18	-	2.4	4.1
23	00	-	2.9	4.5
	06	-	2.6	4.2
	12	-	2.4	4.3
	18	-	2.7	4.5
24	00	-	2.9	4.5
	06	-	2.5	4.4
	12	-	2.4	3.8
			3.7	5.1
	18	-	3.3	4.3
25	00	-	2.9	4.3
	06	-	2.5	4.3
	12	-	3.0	4.0
	18	-	2.0	4.1
26	00	-	2.1	3.4
	06	-	2.5	3.6
	12	-	2.3	3.3
	18	-	2.2	3.5
27	00	-	2.7	3.3
	06	-	2.9	3.5
	12	-	2.6	3.6
	18	-	3.0	3.5
28	00	-	2.3	3.7
	06	-	3.4	3.6
	12	-	3.0	3.9
	18	-	2.5	2.9
29	00	-	3.7	4.0
			2.9	3.0
	06	-	3.6	3.3
	12	-	4.0	3.0
	18	-	5.1	3.0
30	00	-	3.4	3.1
	06	-	3.8	3.1
	12	-	2.5	2.9
	18	-	2.7	3.0
31	00	-	2.8	3.1
	06	-	3.4	4.0
			2.8	3.0
	12	-	3.5	4.0
	18	-	3.2	4.1

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GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

SEISMOLOGICAL BULLETIN

Sept, 1958

Published under the direction of
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Director General of Observatories

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List of Seismograph Stations with their Instruments and Constants

STATION	LATITUDE	LONGI-TUDE	HEIGHT a.s.l. (Metres)	LITHOGRAPHIC FOUNDATION	INSTRUMENT	COMPT.	PERIOD IN SECS.	STATIC MAGNI-FICATION	DAMPING RATIO	PAPER SPEED mm/min.
BOMBAY	18°54'N	72°49'E	6	Deccan Trap	Milne-Shaw	N	12	350	13:1	16
					Milne-Shaw	E	12	350	23:1	8
					Sprengnether	E	To = Tg = 7 secs			30
BOKARO	23°50'N	85°48'E	-	Rock	Milne-Shaw	N	12	250	20:1	16
					Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	E	0.8	950	h =0.8	60
					Wood-Anderson	N	0.8	1000	h =0.8	60
CALCUTTA	22°32'N	88°22'E	(1) 7(Milne-Shaw)		Milne-Shaw	E	12	250	20:1	8
			(2) 6(Omori-Ewing)		Wood-Anderson	N	2	870	Critical	30
					Omori-Ewing	N	16	32	-	25.4
				Alluvium	Omori-Ewing	E	21	30	-	25.4
CHATRA	26°50'N	87°10'E	161	Sand Stone	Milne-Shaw	E	12	250	20:1	16
					Wood-Anderson	N	1	1000	30:1	60
					Benioff	Z	To=0.72	Tg=0.45 secs.	Critical	60
					Wenner-Accelerograph	ZNE	-	-	-	-
COLOMBO	06°54'N	79°52'E	7	Beach Sand	Milne-Shaw	E	12	250	20:1	-
DEHRA DUN	30°19'N	78°02'E	682	Gravel	Wood-Anderson	N	0.8	950	Critical	60
					Wood-Anderson	E	0.8	850	Critical	60
					Milne-Shaw	N	12	250	20:1	8
					Milne-Shaw	E	12	250	20:1	8
HYDERABAD	17°26'N	78°27'E	536	Granite	Milne-Shaw	E	12	250	20:1	8
					Milne-Shaw	N	12	250	20:1	8
KODAIKANAL	10°14'N	77°28'E	2346	Rock	Milne-Shaw	E	10	250	20:1	8
MADRAS	13°00'N	80°11'E	15	-	Sprengnether	E	To=Tg=72 secs		Critical	30
NEW DELHI	28°35'N	77°12'E	207	Massive Quartzite						
POONA	18°32'N	73°51'E	560	Deccan Trap	Sprengnether	Z	To=Tg=1.6		Critical	30
					Wood-Anderson	E	4	1000	20:1	16
					Milne-Shaw	N	12	280	20:1	8
PORT BLAIR	11°49'N	92°43'E	-	-	Wood-Anderson	N	2	1000	20:1	30
					Wood-Anderson	E	0.8	1000	66:1	30
					Milne-Shaw	N	12	350	20:1	8
SHILLONG	25°34'N	91°53'E	1600	Quartzite Sand Stone (Shillong Quartzite)	Wood-Anderson	N	0.8	1000	h=0 h=0.8	30
					Wood-Anderson	E	0.8	1000	h = 0.8	30
					Milne-Shaw	N	12	250	20:1	8
					Benioff	Z	To =1.0	Tg =0.18	-	60
					Sprengnether	E	To = Tg = 6.5		Critical	30
					Wenner Accelerograph	ZNE	-	-	-	-
TOCKLAI	28°45'N	94°46'E	-	Alluvium	Wood-Anderson	E	0.8	970	h = 0.8	60
VIZIANAGRAM	18°07'N	83°27'E	-	-	Wood-Anderson	E	0.8	1000	h = 0.8	30
					Wood-Anderson	N	2	1000	20:1	30

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				September 1958				
01	SHILLONG	Z	iP	00	31	12	360	Slight, rarefaction
			S		32	12		
01	DEHRA DUN	NE	e	08	40	35		Tremor
	AGRA	N	eP	08	40	37		Slight, short period vibration
	SHILLONG	Z	iP	08	42	36		
01	DEHRA DUN	NE	e	08	49	07		Feeble
			i		49	23		
	AGRA	N	eP	08	49	43		Slight, near
01	SHILLONG	Z	eP	12	10	51		Slight, near
01	SHILLONG	Z	eP	13	25	30		Slight, distant
01	SHILLONG	Z	iP	15	27	48		Slight, distant compression
01	Epc: 38°N, 134½°E, Sea of Japan. - h about 400 km - H = 15h 29m 31s G.M.T. (U.S.C.G.S)							
	TOCKLAI	E		15	35	55		Slight, first movement East.
	SHILLONG	ZE	iP	15	36	16	3890	Slight, rarefaction phases not clear
			iS		41	31		
01	CHATRA	Z	iP	15	36	42	4030	Slight
		E	iS		42	23		
	DEHRA DUN	NE	eP	15	37	27		Feeble
			i(S)		43	43		
	AGRA	N	eP	15	37	36	4750	Slight
			iS		44	01		
01	SHILLONG	Z	eP	17	00	24	250	Slight
			P*		00	27		
			S		00	51		
			Sg		00	58		
			SSS		01	12		
	CHATRA	Z	iP	17	00	39	340	Feeble
			iS		01	17		
01	SHILLONG	Z	iP	17	14	40		Slight, distant compression
01	SHILLONG	Z	eP	19	01	38		Slight, distant
01	CHATRA	Z	iPg	19	56	32	130	Feeble
			iSg		56	49		
02	CHATRA	Z	i	01	23	05		Feeble, distant
02	SHILLONG	Z	iP	02	39	50		Slight, distant compression
02	SHILLONG	Z	iP	03	07	35		Slight, distant rarefaction
02	SHILLONG	Z	iP	03	18	08		Slight, distant compression
02	SHILLONG	Z	eP	05	13	38		Slight, near
			i		13	54		
02	Epc: 5½°S, 145½°E. Near North Coast of New Guinea - H = 14h 25m 37s G.M.T. (U.S.C.G.S)							
	SHILLONG	Z	ePδ	14	35	49	5510	Slight, probably deep phases not clear. First movement West.
		E	iPδ					
		E	iS		43	57		
	CHATRA	Z	iP	14	36	23		Slight
		E	i(S)		44	16		
02	DEHRA DUN	NE	eP	14	37	15	7980	Feeble
			iS		46	34		
02	SHILLONG	Z	e	20	26	23		Slight, distant
02	CHATRA	Z	iP	20	38	14	780	Feeble
			iS		39	35		
02	SHILLONG	Z	iP	21	37	13	300	Slight, rarefaction
			S		37	46		
02	SHILLONG	Z	eP	22	04	12		Slight, distant
02	CHATRA	Z	iP	22	20	46	720	Slight
			iS		22	01		
	SHILLONG	Z	iP	22	20	03		Slight, near compression
			i		20	43		
03	SHILLONG	Z	iP	23	07	15		Slight, near
03	[illegible]		iP	01	37	00	310	Slight
			Pg		37	08		
			iS		37	35		
	SHILLONG	Z	iP	01	40	01		Slight, distant Compression
	DEHRA DUN	NE	e	01	40	37		Feeble
			i		44	27		
03	Epc: 0°, 18°W [illegible] Ocean - H = 03h 45m 46s G.M.T. (U.S.C.G.S)							
	AGRA	Z	iP	03	57	50		Moderate, compressi[illegible]
			[illegible]	04	01	38		
			i		05	22		
			i		10	12		
			i		12	52		
			i		14	56		
		ZNE	M		36	39		Per. = 15 secs Amp. = 23 mm.
03	DEHRA DUN	NE	eP	03	57	55		Feeble
			[illegible]	04	01			
					05			
			i		10	08		
	SHILLONG	Z	e	04	01	53		Slight
	MADRAS	E	e	04	02	01		Slight
			e		10	51		
			e		35	43		
	CHATRA	Z	e	04	02	2[illegible]		Slight
		E	i		09	06		
	BOKARO	NE	e	04	02	36		Slight
03	BOMBAY	N	eS	04	08	28		Slight
			e		16	42		
			e		20	46		
			M		42	43		Per. = 18 secs μ = 3
	HYDERABAD	E	S	04	08	35		
			M		38	30		Per. = 18 secs μ = 7
03	SHILLONG	Z	e	04	37	32		
03	COLOMBO	E	P	05	30	--		Time approximate trace overlapping Amp. = 0.6 mm
			M		43	05		
03	Epc: 40½°N, 143°E. Off north east Coast of Honshu, Japan. - h about 60 km - H = 08h 10m 26s G.M.T. (U.S.C.G.S)							
	SHILLONG	ZNE	iP	08	18	38	4980	Moderate, compression, first movement South and West. Per. = 15 secs μ = 6
		NE	iS		25	16		
		N	Mn		39	--		
	CHATRA	Z	iP	08	19	05	5740	Slight
		E	iS		26	26		
03	DEHRA DUN	NE	eP	08	19	39	6040	Slight, other phases not clear
			iS		27	16		
	AGRA	ZN	iP	08	19	52	5150	Moderate, compression, first movement South
			i?		20	10		
		Z	PcP		20	50		
			PP		21	54		
		ZN	iS		27	35		
			PS		27	48		
		ZNE	M		43	03		Per. = 19 secs Amp. = 15.5 mm
	MADRAS	E	e	08	20	40		Slight
			e		29	22		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					September 1958			
03	BOMBAY	N	e	08	20	51		Slight
			M		50	41		Per. ≈14 secs μ ≈ 2
03	CHATRA	Z	iPg	10	45	42	90	Feeble
			iSg		45	54		
03	SHILLONG	Z	ePg	13	25	40	50	Feeble
			Sg		25	40		
03	SHILLONG	Z	iP	19	51	10		Slight, near compression
03	SHILLONG	Z	iP	20	57	10		Slight, distant rarefaction
03	SHILLONG	Z	ePg	23	00	26	220	Feeble
			Sg		00	28		
04	SHILLONG	Z	e	00	06	20		Tremor
04	CHATRA	Z	i	00	12	08		Feeble, distant
	SHILLONG	Z	iP	00	12	35		Slight, distant compression
04	SHILLONG	Z	iP	07	09	55		Slight, distant
04	SHILLONG	ZZ	e	09	22	16		Slight, near
			i		22	25		
04	SHILLONG	Z	iP	12	32	39		Slight, near
			i		32	52		
04	SHILLONG	Z	iP	16	48	22		Slight, distant compression
04	SHILLONG	Z	e	17	01	37		Slight, distant
04	Epc: 33½°S, 69½°W. Chile-Argentina border - H ≈ 21h 51m 08s G.M.T.(U.S.C.G.S) Mag: 6¾ - 7 (Pasadena), 6¾ (Berkeley) 3 killed and major property damage at Volean and San Jose (U.S.C.G.S)							
	PORT BLAIR	E	ePKP	22	10	51		
			e		15	16		
			e		17	36		
			i		20	36		
			i		30	06		
	MADRAS	E	ePKP	22	10	56		Phases could not be identified.
			e		14	57		
			e		20	45		
04	HYDERABAD	E	PKP1	22	10	59	14980	
			e		14	31		
			e		24	38		
			e		30	20		
			e		34	05		
			e		50	56		
			M	23	03	53		Per. ≈21 secs μ ≈ 30
	AGRA	ZN	ePKP1	22	11	00		Compression
		Z	iPKP2		11	27		
			e		12	34		
		ZN	PP		14	54		
		Z	PPP		18	00		
		ZN	i		18	46		
		Z	e		22	22		
		ZN	i		25	10		
		Z	e		29	38		
			i		32	22		
			i		45	00		
			i		58	44		
		ZN	M	23	02	51		Per. ≈18 secs Amp. ≈55.0 mm
04	BOMBAY	N	e	22	11	09		Distant
			e		30	01		
			M	23	09	41		Per. ≈19 secs μ ≈19
		E	M		10	21		Per. ≈24 secs μ ≈ 9
04	DEHRA DUN	NE	e	22	11	12		Phases not clear
			i		25	16		
			i		29	20		
			i		35	20		
			i		48	38		
	CHATRA	Z	iPKP	22	11	13		Slight
		E	i		19	32		
04	SHILLONG Contd.	Z	ePKP1	22	11	14		
		ZE	iPKP2		12	03		
		Z	i		13	17		
		E	i		13	21		
		ZE	i		16	01		
		N	i		17	41		
		E	i		18	11		
			i		18	38		
			i		20	45		
		N	i		23	03		
			i		23	11		
		E	i		23	36		
		N	i		26	03		
04	SHILLONG	N	i	22	27	59		
		E	i		31	29		
			i		36	05		
			i		37	02		
			i		37	23		
			i		37	42		
		N	Mn	23	24	--		Per. ≈18 secs μ ≈ 9
		E	Mn		35	--		Per. ≈19 secs μ ≈16
	BOKARO	NE	PKP	22	11	45		Moderate phases not clear
		E	e		12	54		
			e		15	20		
			e		18	28		
			M?	23	07	27		Per. ≈27 secs μ ≈30
04	COLOMBO	E	PKP	22	12	50		
			L		57	50		
			M	23	10	30		Amp. ≈1.6 mm
04	SHILLONG	Z	e	22	49	19		Slight, near
			i		50	16		
			i		53	39		
04	KODAIKANAL	E	e	23	00	22		Tremor
05	SHILLONG	Z	e	04	01	21		Tremor
05	SHILLONG	Z	i	11	47	25		Slight, near
05	Epc: 5°S, 102°E. Near Coast of Sumatra - H ≈ 13h 01m 55s G.M.T.(U.S.C.G.S)							
	MADRAS	E	eP	13	07	55	2990	Slight
			PPP		08	53		
			eS		12	31		
			Lq		13	29		
			Lr		14	52		
	SHILLONG	Z	iP	13	08	21		Slight, compression
		E	eP					
	CHATRA	Z	i	13	08	47		Feeble
	DEHRA DUN	NE	eP	13	09	45	4580	Feeble
			iS		16	01		
	COLOMBO	E	e	13	10	--		
			M		19	20		Amp. ≈0.4 mm
05	Epc: 5°S, 102°E. Near Coast of Sumatra - H ≈ 13h 08m 04s G.M.T.(U.S.C.G.S)							
	SHILLONG	Z	iP	13	14	30		Slight, compression
	CHATRA	Z	i	13	14	56		Feeble
05	Epc: 5°S, 101½°E. Near Coast of Sumatra - H ≈ 14h 14m 17s G.M.T.(U.S.C.G.S)							
	SHILLONG	Z	iP	14	20	47		Slight, compression
	CHATRA	Z	iP	14	21	11		Feeble
05	SHILLONG	Z	iP	14	32	01		Slight, distant rarefaction
05	DEHRA DUN	NE	e	15	26	31		Feeble
			i		27	44		
	CHATRA	Z	iP	15	26	37	1610	Slight
		E	iS		29	19		
	SHILLONG	Z	iP	15	27	34		Slight, distant compression

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				September 1958		
05	SHILLONG	Z	iP	16 59 41		Slight, distant compression
05	SHILLONG	Z	i	17 53 14		Tremor
05	SHILLONG	Z	iP	18 08 45		Slight, distant compression
05	SHILLONG	Z	i	18 32 17		Feeble, local
05	SHILLONG	Z	iP	22 31 02		Slight, distant compression
06	SHILLONG	Z	iP	00 35 23		Slight, distant rarefaction
06	SHILLONG	Z	iP	06 01 17		Slight, near compression
			i	01 34		
06	CHATRA	Z	iPg	08 36 15	20	Feeble
			iSg	36 18		
06	SHILLONG	Z	eP	11 25 46	500	Slight
06	SHILLONG	Z	PP	11 25 53		
			P	25 55		
			Pg	26 06		
		ZE	S	26 39		
		Z	SSS	27 00		
			Sg	27 04		
	CHATRA	Z	iP	11 25 31	1390	Slight
		E	iS	28 52		
06	SHILLONG	Z	e	14 44 05		Tremor
06	SHILLONG	Z	e	17 24 07		Tremor
07	SHILLONG	Z	iP	03 06 35		Slight, distant compression
07	SHILLONG	Z	iP	04 54 42		Slight, distant rarefaction
07	SHILLONG	Z	e	08 36 34		Tremor
07	SHILLONG	Z	iP	10 13 33		Slight, distant rarefaction
07	SHILLONG	Z	i	12 59 30		Slight
07	SHILLONG	Z	e	17 33 42		Slight, local
			i	33 43		
		E	e	33 52		
			i	34 05		
07	SHILLONG	Z	e	19 52 06		Slight, near
			i	52 52		
07	SHILLONG	Z	iP	21 22 17		Slight, distant rarefaction
07	SHILLONG	Z	e	23 01 20		Tremor
08	Epc: 53½°N, 159°E. Near East Coast of Kamchatka, depth slightly greater than normal. - H = 05h 25m 37s G.M.T.(U.S.C.G.S)					
	SHILLONG	ZE	iP()	05 35 20		Slight, compression
		N	ePQ			
		N	i	39 08		first movement
			iS	43 27		South and West
	CHATRA	Z	iP	05 35 34	9130	Slight
		E	iS	45 49		
08	DEHRA DUN	NE	eP	05 35 55		Slight
			eS	44 29		
	AGRA	Z	iP	05 36 08		Slight, compression
			i?	37 52		
			i?	39 44		
			M	-- --		Per. = 19 secs Amp. = 10.0 mm
08	SHILLONG	Z	iP	09 27 28		Slight, near compression
			i	27 44		
08	CHATRA	Z	iPg	13 23 32	100	Feeble
			iSg	23 45		
08	SHILLONG	Z	e	13 27 24		Slight
08	SHILLONG	Z	iP	14 04 29		Slight, distant rarefaction
			i	09 52		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
08	Epc: 33½°N, 131½°E. Northern Kyushu, Japan - h about 50 km - H = 14h 53m 13s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	15 00 06		Slight, compression
			iS	06 09		
			i	07 43		
			i	08 09		
			i	10 12		
08	CHATRA	Z	iP	15 00 36		Feeble
	DEHRA DUN	NE	eS	15 08 04		Feeble
	AGRA	ZN	iS	15 08 21		Feeble, first movement North
			i	08 53		
			i	12 17		
08	SHILLONG	Z	i	19 41 59		Tremor
08	SHILLONG	Z	e	20 42 58		Slight, near
			i	43 11		
08	SHILLONG	Z	i	21 26 43		Slight
08	SHILLONG	Z	iP	22 45 02		Slight distant rarefaction
			i	45 49		
08	SHILLONG	Z	iP	23 49 00		Slight, near compression
			i	49 25		
09	SHILLONG	ZE	iP	00 43 38	310	Slight, first movement East
		E	iS	44 13		
09	TOCKLAI	E	eP	00 43 57		Slight, near
			i	44 16		
	CHATRA	Z	iP	00 44 36	840	Slight
		ZE	iS	46 03		
09	SHILLONG	Z	e	03 29 30		Slight, near
			i	29 43		
09	SHILLONG	Z	iP	04 15 45		Slight, compression
	CHATRA	Z	i	04 16 11		Feeble
09	CHATRA	Z	iPg	05 13 13	20	Feeble
			iSg	13 16		
09	SHILLONG	Z	e	08 39 29		Slight, near
			i	39 44		
09	SHILLONG	Z	i	08 16 02		Slight, near compression
			i	16 12		
09	SHILLONG	Z	e	10 11 58		Slight
09	SHILLONG	Z	iP	11 41 13		Slight, distant compression
09	SHILLONG	Z	i	14 56 10		Slight
09	SHILLONG	Z	i	15 21 07		Slight
09	SHILLONG	Z	ePg	19 13 50	90	Slight
			eSg	14 00		
09	SHILLONG	Z	e	20 40 21		Slight, distant
09	SHILLONG	Z	iP	22 34 05		Slight, distant compression
10	SHILLONG	Z	eP	03 56 56		Slight, distant
10	SHILLONG	Z	iP	04 05 25		Slight, distant rarefaction
10	SHILLONG	Z	iP	05 16 15		Slight, distant compression
10	SHILLONG	Z	e	08 05 06		Slight, near
			i	05 21		
10	SHILLONG	Z	ePg	09 43 52	70	Slight
			eSg	44 01		
10	SHILLONG	Z	e	12 12 23		Slight, near
			i	12 31		
10	SHILLONG	Z	iP	16 13 11		Slight, distant rarefaction
10	SHILLONG	Z	eP	17 40 14		Slight, distant

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					September 1958			
10	SHILLONG	Z	i	19	53	46		Slight, near compression
			i		53	53		
			i		54	05		
			i		54	09		
10	SHILLONG	Z	iP	21	40	23		Slight, distant compression
11	SHILLONG	Z	iP	00	10	46		Slight, distant rarefaction
11	SHILLONG	Z	iP	00	47	13		Slight, distant compression
11	SHILLONG	Z	i	01	19	47		
			i		20	34		
11	AGRA	ZN	eP	04	03	08		Slight, near
			M		--	--		Per. ≈10 secs Amp. ≈ 6 mm
	CHATRA	Z	iP	04	03	50	1160	Slight
		E	iS		05	49		
11	SHILLONG	Z	e	04	04	23		Slight, distant
			i		04	43		
11	SHILLONG	Z	iP	04	24	44		Slight, distant compression
11	DEHRA DUN	NE	e	04	40	29		Tremor
11	CHATRA	Z	i	04	41	44		Feeble, distant
11	DEHRA DUN	NE	e	07	01	15		Feeble
			i		10	08		
11	SHILLONG	Z	eP	07	02	01		Slight, distant
		E	i		05	44		
	CHATRA	Z	i	07	02	29		Slight, distant
		E	i		07	04		
	BOMBAY	N	e	07	15	00		Surface waves
11	DEHRA DUN	NE	e	10	42	42		Tremor
11	SHILLONG	Z	ePg	11	10	03	90	Feeble
			eSg		10	13		
11	SHILLONG	Z	e	13	46	37		Tremor
11	SHILLONG	Z	i	15	02	54		Slight
11	CHATRA	Z	iP	15	33	20	150	Feeble
			iS		33	39		
11	SHILLONG	Z	e	15	39	59		Slight
			i		41	00		
11	SHILLONG	Z	i	17	08	57		Slight
11	SHILLONG	Z	eP	17	25	14		Slight, distant
11	Epc: 7°N, 126½°E. Mindanao P.I. - H ≈18h 01m 45s G.M.T. (U.S.C.G.S)							
	SHILLONG	ZNE	iP	18	09	05	4270	Moderate, compression first movement North and West
		N	i		09	39		
		NE	PP		10	39		
			iS		14	48		
		Z	i		15	02		
		N	i		15	45		
		E	i		16	09		
		N	SS		16	53		
			SSS		17	42		
11	CHATRA	Z	iP	18	09	42	5040	Slight
		E	iS		16	23		
	BOKARO	NE	iP	18	09	45		Slight, phases not clearly developed.
	PORT BLAIR	E	PPP	18	10	10		Slight
			iS		14	14		
			Lq		14	44		
			Lr		16	15		
			M		17	34		
	AGRA	Z	iP	18	10	44	5240	Slight, compression
			iPcP		11	43		
			PP		12	39		
			S		18	33		
11	AGRA Contd.	Z	SS	18	21	53		
	Contd.		M		29	39		Per. ≈32 secs Amp. ≈7.5 mm
11	DEHRA DUN	NE	eP	18	10	50	5570	Slight, phases not clear
			i		12	56		
			iS		18	02		
			i		22	11		
	BOMBAY	N	eS	18	18	36		Slight
			e		22	51		
			e		25	03		
	HYDERABAD	E	M	18	25	47		Per. ≈22 secs Amp. ≈ 7
11	SHILLONG	Z	i	18	16	45		Slight, near
			i		17	01		
			i		17	06		
			i		18	03		
11	SHILLONG	Z	iP	20	49	59		Slight, distant compression
11	SHILLONG	Z	eP	21	58	00		Slight, distant
11	SHILLONG	Z	i	22	56	39		Feeble, local
11	SHILLONG	Z	iP	23	50	29		Slight, distant rarefaction
12	SHILLONG	ZE	eP	05	20	09	230	Slight, compression first movement West.
			iS		20	47		
12	CHATRA	Z	iP	05	21	05	890	Slight
			iS		22	37		
12	Epc: 42°S, 80°E Indian Ocean. - H ≈ 05h 37m 53s G.M.T (U.S.C.G.S)							
	SHILLONG	Z	eP	05	48	56		Slight
	DEHRA DUN	NE	ePPP	05	53	13		Slight, phases not clear
			i	05	03	25		
	PORT BLAIR	E	eS	05	55	03		Slight
			e		58	45		
			e	06	01	31		
12	BOMBAY	N	eS	05	56	29		Feeble
			M	06	10	59		Per. ≈14 secs Amp. ≈ 2
	HYDERABAD	N	M	06	07	04		Per. ≈21 secs Amp. ≈ 9
		E	M		07	07		Per. ≈15 secs Amp. ≈ 2
12	SHILLONG	Z	e	10	49	53		Slight, near
			e		50	20		
12	SHILLONG	Z	e	13	44	27		Slight, near
12	SHILLONG	Z	iP	13	52	31		Slight, distant compression
	CHATRA	Z	i	13	52	57		Feeble, distant
12	SHILLONG	Z	iP	14	10	43		Slight, distant compression
12	SHILLONG	Z	e	14	47	23		Tremor
12	SHILLONG	Z	e	15	02	47		Slight, near
			i		03	01		
12	SHILLONG	Z	e	19	20	59		Feeble, near
			i		21	14		
12	SHILLONG	Z	e	19	45	09		Feeble, near
			e		46	15		
12	SHILLONG	Z	iPg	20	24	57	100	Slight, rarefaction
			iSg		25	08		
12	SHILLONG	Z	i	22	02	05		Slight, distant
12	SHILLONG	Z	iP	22	16	52		Slight, distant
	CHATRA	Z	i	22	17	26		Feeble, distant
12	SHILLONG	Z	e	23	56	50		Tremor

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				September 1958		
13	SHILLONG	Z	i	00 04 12		Slight, near
			i	04 21		rarefaction
		E	i	04 23		
		ZE	i	05 16		
13	CHATRA	Z	iP	00 05 37	790	Feeble
			iS	07 09		
13	SHILLONG	Z	eP	02 44 18		Slight, distant
13	CHATRA	Z	iP	03 40 10	4670	Slight
		E	iS	46 30		
13	SHILLONG	Z	iP	04 39 34		Slight, distant rarefaction
13	CHATRA	Z	iP	05 36 59	160	Slight
		ZE	iS	37 19		
13	SHILLONG	Z	e	06 37 34		Slight, near
		ZE	i	38 21		
13	SHILLONG	Z	e	08 30 36		Slight, near
13	SHILLONG	Z	iP	17 57 30		Slight, distant
			i	57 33		rarefaction
			i	57 41		
		E	i	57 46		
13	SHILLONG	Z	i	17 57 51		
			i	57 54		
			i	58 07		
		NE	i	18 00 00		
			i	00 34		
		E	i	00 46		
		N	i	01 09		
		E	i	01 14		
			i	01 35		
		N	i	01 47		
13	BOMBAY	N	e	18 10 53		Surface waves
13	SHILLONG	Z	e	18 23 04		Tremor
13	SHILLONG	Z	e	20 46 48		Tremor
13	SHILLONG	Z	iP	22 52 45	120	Slight
			eS	53 07		rarefaction
13	DEHRA DUN	NE	e	22 56 05		Tremor
13	SHILLONG	Z	e	23 58 11		Tremor
14	SHILLONG	Z	iP	02 32 57		Slight, distant compression
14	SHILLONG	ZNE	iP	04 21 47		Slight, distant
		N	i	24 04		compression
			i	24 42		
		E	i	26 54		
			i	27 26		
14	BOMBAY	N	e	04 35 41		Surface waves
14	SHILLONG	Z	ePg	06 20 33	100	Feeble
			eSg	20 45		
14	PORT BLAIR	E	iP	08 43 33	150	Slight
			Sg	43 52		
14	SHILLONG	Z	iP	13 36 51		Slight, near compression
14	Epc: 56½°N, 120½°E. Stanovi Mountain Region, Siberia. - H ≈ 14h 21m 37s G.M.T.(U.S.C.G.S) 56°N, 124°E, - H ≈ 14h 21m 36s G.M.T.(Shillong) Mag: 5¼ - 6½ (Pasadena)					
	SHILLONG	ZNE	iP	14 28 56	4210	Rarefaction.
		N	PP	30 11		First movement
			PPP	30 34		North and East
		E	PcP	31 02		
			i	31 57		
		NE	iS	34 48		
		E	PcS	35 02		
		NE	SS	37 18		
		E	SSS	37 54		
			i	38 58		
			Lr	39 18		
		NE	M	42 10		Per. ≈11 secs
		N	Mn	43 --		μ ≈25
	CHATRA	Z	iP	14 29 03		
		E	i	36 01		
	DEHRA DUN	NE	eP	14 29 16	4280	
	Contd.	N	PP	30 54		
			iS	35 13		
			SSS	38 27		
			Lr	39 54		
			M	43 11		
	BOKARO	NE	iP	14 29 31	4810	First movement
			eS	35 59		North and East
			M	44 48		Per. ≈19 secs
						μ ≈41
	AGRA	E	ePQ	14 29 38	4580	First movement
		N	iPQ			North.
		N	i?	29 43		
			i?	29 59		
			PP	31 11		
			i?	33 35		
			i?	34 15		
			i?	35 11		
			iS	35 52		
			PS	35 56		
		NE	PPS	36 06		
			Lq	39 08		
			SSS	39 23		
			ScS	39 55		
		N	Lr	42 07		
		NE	i?	44 34		
			M	47 26		Per. ≈13 secs
						Amp. ≈24 mm
	PORT BLAIR	E	iP	14 30 35	5830	Slight
			PcP	31 37		
			eS	38 00		
			SS	41 52		
			Lq	43 32		
			Lr	45 22		
			M	49 22		
	HYDERABAD	NE	iP	14 30 39	5420	Moderate, first
		N	PP	32 27		movement North
			PcP	36 00		and East
			eS	37 42		
			PS	38 06		
			SS	41 21		
		E	Lr	45 06		
		N	Lr	45 24		
		E	M	48 57		Per. ≈18 secs
						μ ≈19
		N	M	49 09		Per. ≈17 secs
						μ ≈ 26
	COLOMBO	E	e	14 30 --		
			M	56 10		Amp. ≈0.6 mm
	MADRAS	E	eP	14 31 05	6090	
			PcP	31 53		
			eS	38 45		
			ScS	40 35		
			Lq	44 45		
			Lr	47 42		
14	SHILLONG	Z	iP	18 09 33		Slight, distant rarefaction
14	SHILLONG	Z	e	19 49 05		Tremor
14	SHILLONG	Z	iP	19 58 04		Slight, near
			i	58 47		compression
	CHATRA	Z	iP	20 00 06	170	Feeble
			iS	00 27		
14	Epc: 8½°S, 67°E. Chagos Archipelago Region - H ≈ 21h 31m 43s G.M.T.(U.S.C.G.S) 8°S, 68°E. - H ≈ 21h 31m 50s G.M.T.(Shillong)					
	COLOMBO	E	iP	21 36 10		
			S	40 00		
			L	40 30		
			M	45 15		Amp. ≈1.4 mm
	KODAIKANAL	E	eP	21 36 27		Tremor
	MADRAS	E	iP	21 37 08	2790	Moderate, first
			PP	37 45		movement East
			eS	41 31		
			Lq	42 28		
			Lr	43 34		
			M	45 34		
	HYDERABAD	NE	iP	21 37 36	3030	Slight, first
		N	PP	38 33		movement North
			PcP	40 27		and East
			iS	42 15		

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DATE	DTATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				September 1958		
14 Contd.	HYDERABAD Contd.	N	Lq	21 42 46		
			SS	43 19		
			Lr	43 54		
		E	Lr	44 21		
		N	M	45 36		Per. ≈15 secs μ ≈ 7
		E	M	45 46		Per. ≈15 secs μ ≈ 9
14	PORT BLAIR	E	eP	21 37 54	3870	Slight
			PP	38 18		
			i	41 45		
			eS	43 25		
			M	45 17		
	BOMBAY	N	e	21 37 --		
	BOKARO	E	e	21 38 05		Slight, phases
		N	e	44 40		not clear
14	AGRA	N	iP	21 38 54	4000	Moderate, first
			PP	40 13		movement South
			i?	42 01		
			iS	44 33		
			SS/Lq	46 36		
			SSS	47 04		
			Lr	48 12		
			i?	49 02		
			ScS	49 26		
			M	50 24		Per. ≈16 secs Amp. ≈29 mm
	DEHRA DUN	NE	eP	21 39 22	4370	Moderate
		N	PP	40 52		
			iS	45 24		
			SSS	48 36		
			Lr	50 33		
			M	52 40		
14	CHATRA	ZE	iP	21 39 23		Slight
		E	i(S)	45 53		
	SHILLONG	ZNE	iP	21 39 33	4450	Moderate,
		N	i	41 08		rarefaction,
		E	i	41 34		first movement
		NE	iS	45 40		South and West
		E	SS	48 34		
			SSS	49 02		
			Lr	50 32		
14	SHILLONG	Z	iP	21 51 52		Slight, distant rarefaction
15	SHILLONG	Z	eP	08 45 43	530	Slight
			eS	45 40		
15	SHILLONG	Z	iP	16 38 18		Slight, distant compression
15	SHILLONG	Z	ePg	18 11 35		Feeble, local
15	SHILLONG	Z	ePg	18 14 42	110	Slight
			eSg	14 56		
15	SHILLONG	Z	iP	19 12 09		Slight, distant compression

15 Epc: 2½°N, 120½°E. Celebes Sea. - h about 500 km
- H ≈19h 45m 40s G.M.T.(U.S.C.G.S)
3°N, 122°E. - h about 550 km
- H ≈19h 45m 50s G.M.T.(Shillong)
Mag: 6 - 6¼ (Pasadena).

	PORT BLAIR	E	iP	19 51 01	2580	Deep
			iPP	52 36		
			iS	55 10		
			SS	56 06		
			iSS	58 45		
			i	20 00 02		
	SHILLONG	ZNE	iP	19 52 02	3220	Compression,
		E	i	53 46		first movement
		N	i	53 54		North and West
			i	54 49		probably deep,
		E	i	54 57		phases not
			i	56 42		identifiable.
		NE	iS	56 53		
			i	57 22		
		N	i	58 05		
		E	i	58 36		
		NE	i	20 00 09		
		N	i	00 49		
		E	i	00 53		

DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
15	COLOMBO	E	(P)	19 52 20		
			(S)	57 20		
			M	20 01 20		Amp. ≈3.0 mm
	BOKARO	NE	iP	19 52 28	3700	First movement
		N	e	53 08		South and West
			pP	54 24		
		NE	iS	57 48		
		E	SS	58 54		
		NE	sS	20 01 18		
	CHATRA	Z	iP	19 52 32	3750	
		E	iS	57 56		
15	VIZIANAGRAM	NE	eP	19 52 33		
			iS	57 40		
	MADRAS	E	iP	19 52 44	3850	Moderate,
			PPP	54 27		first movement
			PcP	55 03		East
			i	57 20		
			iS	58 13		
			ScP	58 34		
			i	20 00 40		
			i	01 30		
			i	02 31		
15	KODAIKANAL	E	iP	19 52 57		First movement
			i	54 48		East, other
			i(S)	58 54		phases not
			i	20 01 54		clear
			i	02 24		
	HYDERABAD	NE	iP	19 53 03	4100	Moderate, first
		E	PP	54 53		movement East
			PPP	55 22		and South
		NE	iS	58 48		
		E	Ps	59 03		
			PPs	59 37		
			SS	20 01 46		
			Lq	02 03		
		N	Lr	03 11		
		E	Lr	03 52		
		N	M	05 52		Per. ≈12 secs μ ≈ 6
		E	M	06 18		Per. ≈12 secs μ ≈ 4
15	AGRA	NE	iP	19 53 30	4460	First movement
		Z	i?	54 04		North and East
		NE	PPP	55 24		
			i?	56 32		
		N	i?	58 04		
		E	i?	58 40		
		NE	iS	59 37		
		E	i?	20 00 07		
		NE	SS	02 08		
		E	SSS	03 16		
		N	Lr	04 25		
	DEHRA DUN	NE	eP	19 53 41	4530	
		N	PPP	55 36		
			iS	59 52		
			SS	20 02 17		
			SSS	02 59		
			Lr	04 26		
			M	07 23		
15	BOMBAY	NE	eP	19 53 45	4670	
		E	PPP	55 42		
		N	PPP	55 53		
		E	e	57 23		
		N	e	57 26		
		NE	iS	20 00 05		
			SS	02 19		
15	SHILLONG	Z	iPg	22 46 59	70	Feeble,
			iSg	47 08		rarefaction
15	CHATRA	Z	iPg	23 47 08	50	Feeble
			iSg	47 15		
16	SHILLONG	Z	iP	07 28 52		Slight, near compression
16	CHATRA	Z	iP	13 12 32	300	Feeble
			iS	13 06		

16 Epc: 34°N, 58°E. Eastern Iran
- H = 14h 22m 25s G.M.T.(Shillong)
Eastern Iran, - H ≈14h 22m 25s GMT(USCGS)

	AGRA	ZN	iP	14 26 39	1990	Compression. First
			PP	26 53		movement South

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
				September 1958				
16	AGRA	Z	i?	14	27	33		
Contd.	Contd.	ZNE	iS/Lq		29	57		
		Z	SSS/Lr		30	43		
		ZN	i?		31	51		
			i?		32	08		
			i?		32	32		
			M		33	28		Per. ≈13 secs Amp. ≈48 mm
16	BOMBAY	NE	eP	14	27	00	2210	Feeble
		E	eS		30	39		
		N	e		31	11		
	CHATRA	Z	iP	14	27	56		Slight
	SHILLONG	E	e	14	29	16		Slight, strong microseismic background.
			i		34	34		
			i		41	40		
	DEHRA DUN	NE	eS	14	29	33		Feeble, phases not clear
			i		31	11		
			i		31	34		
16	HYDERABAD	N	eS	14	32	03	2210	Slight
			e		35	42		
			e		36	41		
			M		37	56		Per. ≈ 9 secs
								⏚ ≈ 3
		E	M		38	03		Per. ≈11 secs
								⏚ ≈ 3
17	CHATRA	Z	iP	04	41	16	100	Slight
		ZE	iS		41	30		
	SHILLONG	Z	e	04	43	13		Slight, near
17	CHATRA	Z	iP	09	00	56	360	Slight
		ZE	iS		01	36		
	SHILLONG	Z	eP	09	01	47		Slight, near
			e		02	47		
17	SHILLONG	Z	iP	12	10	49		Slight
			e		11	48		
	CHATRA	Z	iP	12	11	42	1010	Feeble
			iS		13	25		
17	SHILLONG	Z	eP	14	44	54		Slight, near
			e		46	15		
17	SHILLONG	Z	e	18	32	25		Slight, near
			e		33	09		
17	SHILLONG	Z	eP	21	18	54		Slight, near
			i		18	59		
			i		20	07		
		E	i		20	48		
17	CHATRA	Z	iPg	21	19	22	40	Feeble
			iSg		19	28		
17	SHILLONG	Z	eP	23	32	23		Slight
			e		32	56		
	CHATRA	Z	i	23	33	03		Feeble
18	CHATRA	Z	i	03	41	06		Feeble, distant
18	SHILLONG	Z	iP	06	23	39		Slight, distant compression
18	SHILLONG	Z	eP	07	00	45		Slight, distant
18	DEHRA DUN	NE	e	15	09	25		Feeble
18	SHILLONG	Z	iP	15	36	00		Slight, distant compression
18	Epc: 36½°N, 71°E. Hindu Kush. - h about 150 km - H ≈20h 53m 02s G.M.T. (U.S.C.G.S)							
	DEHRA DUN	NE	eP	20	55	04	880	Slight
		N	PP		55	11		
			PPP		55	18		
			iS		56	35		
			SS		56	47		
			Lr		56	50		
			SSS		56	57		
			Sg/M		57	25		
18	AGRA	ZNE	iP	20	55	35	1110	Slight, rarefaction,
		N	i?		55	39		first movement
			i?		55	57		North and
		ZN	i?		56	13		West
		ZNE	iS		57	29		
	CHATRA	Z	i	20	56	50		Slight
		ZE	i	21	00	02		
	BOMBAY	NE	e	20	57	01		Slight
			e		57	39		
		E	e	21	00	04		
		N	e		00	09		
18	BOKARO	NE	i	20	57	03		Slight
		N	e		57	31		
			i	21	00	11		
			e		00	29		
			e		00	56		
	HYDERABAD	N	iP	20	57	29	2090	Slight, first movement
			PP		57	43		North
			PPP		58	10		
		E	iS	21	00	56		
			SS		01	38		
			SSS		01	54		
			Lr		02	16		
		N	M		03	13		Per. ≈ 7 secs
								⏚ ≈ 2
		E	M		03	20		Per. ≈ 6 secs
								⏚ ≈ 2
18	SHILLONG	Z	iP	20	57	36	2350	Slight, rarefaction
		N	eP					
		E	pP		58	08		First movement
		NE	sP		58	25		North.
			iS	21	01	17		
		E	sS		02	02		
			i		02	05		
			SSS		02	25		
	VIZIANAGRAM	N	eP	20	57	46		Slight, distant
	MADRAS	E	eP	20	58	30	2390	Slight
			PPP		59	05		
			PcP	21	02	14		
			eS		02	25		
			Lq		02	44		
			i		03	07		
			SSS		03	19		
			Lr		03	41		
			M		05	25		
18	SHILLONG	Z	iP	21	45	30		Slight, distant rarefaction
18	SHILLONG	Z	iP	23	16	01		Slight, distant rarefaction
18	SHILLONG	Z	e	23	49	46		Slight, near
19	SHILLONG	Z	i	02	42	03		Slight
19	SHILLONG	Z	iP	06	06	19	1090	Slight, compression
		E	i		08	04		
			iS		08	11		
			i		08	23		
			i		08	33		
	CHATRA	Z	iP	06	07	47	820	Slight.
		E	iS		09	12		
19	SHILLONG	ZE	iP	08	20	20		Slight, distant rarefaction, first movement East
	CHATRA	Z	i	08	20	550		Feeble, distant
19	SHILLONG	Z	e	08	25	48		Slight, near
19	SHILLONG	Z	iP	11	30	01		Slight, distant rarefaction
19	SHILLONG	Z	iP	17	30	26		Slight, distant compression
19	SHILLONG	Z	eP	17	44	16		Slight, distant
19	SHILLONG	Z	e	21	31	00		Slight, distant
19	SHILLONG	Z	e	22	07	45		Slight, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
20	Epc: 20½°N, 105°E. North Vietnam - H = 05h 17m 23s G.M.T. (U.S.C.G.S)					
	SHILLONG	ZE	eP	05 20 34		Slight
		Z	i	24 52		
			i	25 08		
			i	25 35		
	HYDERABAD	N	e	05 21 00		
		E	iS	27 33		
		N	Lr	33 44		
			M	36 27		Per. = 9 secs μ = 2
	CHATRA	Z	iP	05 21 32		Slight
		E	i	27 49		
20	AGRA	ZN	eP	05 22 55	2990	Slight
			eS	27 31		
20	SHILLONG	Z	iP	08 43 23		Slight, distant compression
20	Epc: Mekran Coast Region - H = 09h 08m 15s G.M.T. (Shillong)					
	BOMBAY	E	eP	09 10 41		Feeble
		NE	eS	12 40		
	AGRA	ZN	eP	09 11 37		Feeble
20	CHATRA	Z	iP	09 13 15		Feeble
	SHILLONG	Z	eP	09 14 02		Slight
	DEHRA DUN	NE	eS	09 14 14		Feeble
			i	17 52		
	BOKARO	NE	eS	09 16 42		Slight, phases not clearly developed.
20	SHILLONG	Z	e	16 00 44		Slight, distant
20	SHILLONG	Z	ePg	17 04 36		Feeble, local
20	Epc: 6½°S, 154½°E. Solomon Islands - H = 17h 09m 24s G.M.T. (U.S.C.G.S) 5°S, 155°E. - H = 17h 09m 33s G.M.T. (Shillong)					
	PORT BLAIR	E	iP	17 20 08	7000	Slight
			PcS	25 08		
			iS	28 38		
			SS	32 44		
	SHILLONG	ZNE	iP	17 20 35	7560	Moderate, compression, first movement North and West
		E	PcP	20 55		
			PP	23 02		
			PPP	24 42		
			PcS	24 58		
		NE	iS	29 34		
		Z	i	29 37		
		E	PS	30 03		
			PPS	30 14		
			SKS	30 20		
20	SHILLONG	Z	SS	17 34 01		
			i	37 02		
			M	47 34		
	CHATRA	Z	iP	17 21 00		Slight
		E	i	18 00 26		
	BOKARO	NE	iP	17 21 04	8090	Moderate, other phases doubtful First movement South and West
			iS	30 30		
	COLOMBO	E	P	17 21 20		
			M	31 50		Amp=0.5 mm
20	HYDERABAD	E	iP	17 21 33	8620	Slight, first movement West
			PcP	21 46		
			PP	24 37		
			PPP	26 07		
			iS	31 25		
			Ps	31 43		
			PPS	32 25		
			Lq	41 07		
			Lr	46 10		
			M	51 19		Per. = 18 secs μ = 4
20	AGRA	ZNE	iP	17 21 43	8850	Moderate, compression first movement North and West
		ZN	PcP	21 59		
			i?	22 59		
		Z	PP	25 22		
			PPP	26 57		
		ZNE	iS	31 45		
		ZN	SKS	32 01		
			PS	32 23		
			PPS	32 48		
			SS	36 48		
		N	Lq	43 36		
		ZN	M	53 28		Per. = 23 secs Amp. = 10 mm
20	DEHRA DUN	NE	eP	17 21 50	8890	Slight
		N	PPP	26 43		
			iS	31 54		
			SS	37 18		
			SSS	39 56		
			M	53 27		
	BOMBAY	NE	eP	17 22 01	9350	Slight
			iS	32 26		
			i	32 41		
20	SHILLONG	Z	i	17 48 45		Slight, distant
20	SHILLONG	Z	ePg	19 28 56	90	Feeble
			eSg	29 06		
20	SHILLONG	Z	e	21 27 58		Slight, distant
20	SHILLONG	Z	eP	23 06 32	130	Feeble
			iS	06 49		
20	SHILLONG	Z	e	23 27 26		Feeble, near
21	SHILLONG	Z	eP	05 53 19		Slight, distant
	CHATRA	Z	i	05 53 43		Feeble, distant
21	SHILLONG	Z	iP	07 39 09		Slight, distant rarefaction
21	SHILLONG	Z	eP	08 35 58		Slight, distant
21	SHILLONG	Z	ePg	11 49 28	110	Slight
			eSg	49 41		
21	SHILLING	Z	eP	15 46 05		Slight, distant
21	CHATRA	Z	i	16 25 17		Feeble, distant
21	SHILLONG	Z	i	16 25 54		Slight
	DEHRA DUN	NE	i	16 28 52		Feeble
21	SHILLONG	Z	ePg	16 47 54	110	Slight
			eSg	48 07		
21	SHILLONG	Z	iP	17 56 08		Slight, distant rarefaction
21	DEHRA DUN	NE	e	19 42 25		Tremor
21	SHILLONG	Z	iP	22 32 57		Slight, distant compression
21	SHILLONG	Z	iPg	23 31 09	100	Slight, compression
		E	iSg	31 21		
22	CHATRA	Z	iP	05 18 46	140	Slight
			iS	19 04		
22	SHILLONG	Z	iP	07 06 31		Slight, distant rarefaction
	CHATRA	Z	i	07 06 58		Feeble, distant
22	CHATRA	Z	i	07 08 54		Feeble, near
22	SHILLONG	Z	iP	07 17 16		Slight, distant compression
22	SHILLONG	Z	iP	08 44 47		Slight, distant rarefaction
	CHATRA	Z	i	08 45 17		Feeble, distant
	DEHRA DUN	NE	e	08 46 18		Feeble
			i	53 14		
22	SHILLONG	Z	eP	12 49 49		Slight, distant

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DATE	STATION	COMPT	PHASE	G. M. T. h. m. s.	Δ km	REMARKS
				September 1958		
22	SHILLONG	Z	eP	13 00 11		Slight
22	Epc: 33½°S, 177½°W. Kermadec Island Region - H = 19h 05m 05s G.M.T. (U.S.C.G.S) Mag: 5¾ (Pasadena, Berkeley)					
	PORT BLAIR	E	iP	19 19 12	10420	Moderate
			PP	23 14		
			SKS	29 14		
			iS	30 20		
			SS	36 48		
22	SHILLONG	Z	eP	19 19 47		Slight
			i	23 16		
		E	iPP	24 08		
			iSKS	30 24		
			i	30 44		
			i	31 03		
	CHATRA	Z	iPP	19 24 11		Slight
		E	iSKS	30 45		
	COLOMBO	E	PP	19 24 20		
			SKS	30 20		
			i	38 45		
			L	54 50		
			M	20 01 30		Amp. ≈1.0
22	AGRA	Z	e	19 24 21		Moderate
			iPP	25 37		
			i	26 45		
			PPP	28 15		
		N	SKS	31 11		
		Z	i	32 11		
		N	i	32 24		
		ZN	i	35 05		
		Z	i	35 21		
			i	35 49		
			i	37 09		
		ZN	i	37 53		
		Z	i	41 15		
			M	-- --		Per. ≈18 secs Amp. ≈14 mm
22	BOMBAY	E	e	19 24 30		Slight, distant
			ePP	25 39		
			e	26 16		
			ePPP	28 27		
		NE	eSKS	31 13		
		E	e	32 21		
		N	e	32 26		
		E	e	35 14		
			e	35 30		
		NE	e	36 37		
		N	e	40 57		
		E	i	41 33		
		N	M	20 18 11		Per. ≈17 secs μ ≈ 2
	MADRAS	E	ePP	19 24 32		Slight
			PPP	26 08		
			eSKS	30 43		
			e	33 38		
			Lq	33 54		
			M	39 24		
22	DEHRA DUN	NE	e	19 25 53		Slight, phases not clear
			iSKS	31 17		
			i	32 33		
	BOKARO	NE	e	19 27 08		Slight, other phases not clear
	KODAIKANAL	E	eSKS	19 30 42	8000	Slight, distant first movement East.
			e	35 03		
			e	40 03		
			M	59 45		Per. ≈24 secs μ ≈21
	HYDERABAD	N	M	20 10 55		Per. ≈15 secs μ ≈ 6
		E	M	13 25		Per. ≈18 secs μ ≈ 5
22	SHILLONG	Z	eP	19 35 37		Slight, distant
22	Epc: 42°N, 142°E. Hokkaido, Japan. - H = 20h 08m 40s G.M.T. (U.S.C.G.S)					
	SHILLONG	Z	iP	20 16 49		Slight compression
	CHATRA	Z	i	20 17 13		Feeble
23	CHATRA	Z	iP	11 22 01	570	Feeble
			iS	23 01		
23	CHATRA	Z	i	11 25 29		Feeble, distant
23	PORT BLAIR	N	iPg	12 54 36	80	Slight
			iSg	54 46		
23	DEHRA DUN	NE	e	14 02 01		Tremor
23	SHILLONG	Z	e	17 13 16		Slight, very distant
23	SHILLONG	Z	iPg	18 26 01	100	Slight, compression
			iSg	26 12		
	CHATRA	Z	iP	18 27 55	410	Feeble
			iS	28 39		
23	DEHRA DUN	NE	e	19 55 09		Tremor
24	Epc: 59½°N, 143½°W. Gulf of Alaska. - H = 03h 44m 14s G.M.T. (U.S.C.G.S) Mag: 5¼ (Berkeley, Pasadena)					
	SHILLONG	Z	iP	03 56 43	9690	Slight, rarefaction
		N	i	56 52		
			iS	04 07 22		
	CHATRA	Z	iP	03 56 49	9830	Slight
		E	iS	04 07 30		
24	AGRA	Z	iP	03 57 08	10130	Moderate, compression
			i?	57 36		
			i?	04 04 32		
		ZN	iSKS	07 41		
			S	08 05		
		Z	PS	09 30		
			PPS	10 02		
			SS	14 03		
		N	Lg	32 30 32		
		ZN	M	33 52		Per. ≈20 secs Amp. ≈14.5 mm
	DEHRA DUN	NE	e(P)	03 57 14		Slight, phases not clear
			i	04 07 24		
24	BOMBAY	N	eP	03 58 19		Slight
			e	04 01 49		
		E	e	05 14		
			e	07 52		
		NE	e	08 39		
			e	09 30		
		E	e	12 15		
			M	39 --		Per. ≈13 secs
		N	M	47 25		μ ≈ 2
24	BOKARO	NE	e	04 00 45		Slight, phases unidentifiable
			e	07 45		
24	PORT BLAIR	E	e	04 08 38		Slight
			e	09 15		
			e	17 03		
			e	17 16		
			e	20 59		
	KODAIKANAL	E	e	04 33 08		Tremor
	HYDERABAD	N	M	04 38 50		Per. ≈18 secs μ ≈ 7
		E	M	38 55		Per. ≈15 secs μ ≈ 6
24	SHILLONG	Z	iP	07 05 02		Slight, distant rarefaction
24	CHATRA	Z	iPg	07 18 04	820	Feeble
			iSg	18 15		
24	CHATRA	Z	iP	09 45 16	980	Slight
		E	iS	46 57		
24	SHILLONG	Z	i	14 13 08		Slight, distant
			i	13 54		
24	SHILLONG	Z	e	17 21 03		Slight, near
24	SHILLONG	Z	eP	17 37 29		Slight, distant
24	SHILLONG	Z	i	18 54 42		Slight, near
			i	54 55		
24	SHILLONG	Z	iPg	19 45 48		Slight, local.

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				September 1958		
24 Contd.	CHATRA	Z	iP	19 46 55	490	Feeble
			iS	47 47		
24	SHILLONG	Z	iP	20 50 36		Slight, near
			i	51 07		
24	SHILLONG	Z	iP	22 36 51		Slight, distant compression
25	SHILLONG	Z	e	01 09 30		Slight, distant
	CHATRA	Z	i	01 10 26		Slight, distant
25	SHILLONG	Z	e	01 15 19		Slight, near
25	Epc: 36½°N, 70°E. Hindu Kush. - h about 200 km - H =06h 54m 00s G.M.T.(U.S.C.G.S)					
	DEHRA DUN	NE	eP	06 56 11	1000	Slight
		N	PPP	56 24		
			i	57 48		
			eS	57 58		
			Lq	58 01		
			SSS	58 08		
			S	58 16		
			Sg/M	58 42		
25	AGRA	ZN	iP	06 56 40	1120	Slight, rarefaction. First movement North.
		Z	PP	56 48		
			PPP	57 12		
			i?	57 44		
		ZN	iS	58 42		
		Z	SS	58 56		
			SSS	59 12		
			i?	59 28		
	CHATRA	Z	iP	06 57 52	1920	Slight
		ZE	iS	07 01 04		
	BOMBAY	NE	eP	06 58 00	2050	Slight
			e	58 55		
		E	e	07 01 13		
		NE	eS?	01 24		
		E	e	03 32		
25	BOKARO	NE	eP	06 58 05	2000	Slight, other phases not clearly developed.
			iS	07 01 24		
	HYDERABAD	N	iP	06 58 24	2200	Slight, first movement North
			PPP	59 27		
			iS	07 02 02		
			Lr	03 05		
			M	04 43		Per. = 8 secs μ = 2
25	SHILLONG	ZE	iP	06 58 38	2410	Moderate, rarefaction. First movement West.
			sP	59 43		
			iS	07 02 19		
		E	sS	03 26		
	MADRAS	E	eP?	06 59 39	2950	Moderate
			PP	07 00 22		
			PcP	03 01		
			eS?	04 12		
			Lq	05 13		
			SS	05 26		
			SSS	05 44		
			Lr	06 30		
			M	08 41		
25	Epc: 9°N, 39½°W. Atlantic Ocean. - H = 07h 20m 02s G.M.T.(U.S.C.G.S) Mag: 6½ (Pasadena), 6¼ - 6½ (Berkeley).					
	AGRA	ZN	eP	07 38 30	8830	Moderate
			i?	39 26		
			iS	48 32		
		Z	SKS	48 44		
			ScS	48 55		
			PS	49 18		
		ZN	PPS	49 42		
		Z	i?	52 04		
			SS	53 20		
		ZN	i?	54 50		
		N	SSS	57 01		
			Lq	08 00 07		
			Lr	03 51		
		ZN	M	10 36		Per. = 23 secs Amp. = 35 mm
	DEHRA DUN	NE	e	07 38 44		Slight, phases not clear
			i	48 27		
25 Contd.	CHATRA	Z	i	07 38 47		Slight, distant
	SHILLONG	Z	eP	07 38 54		Slight, distant
		E	i	40 32		
		N	e	41 04		
25	BOMBAY	NE	e	07 38 55		Slight, distant
		E	e	41 17		
		N	e	46 41		
		NE	e	48 23		
		E	e	50 32		
		N	M	08 18 26		Per. = 18 secs μ = 5
		E	M	19 56		Per. = 21 secs μ = 4
	KODAIKANAL	E	eP	07 39 56	8490	Slight, distant first movement East.
			eS	49 41		
			Lq	08 00 20		
			M	10 32		Per. = 20 secs μ = 16
25	BOKARO	NE	e	07 40 09		Slight, distant other phases unidentifiable
		E	e	49 50		
	PORT BLAIR	E	iP	07 41 16	9700	Moderate
			PP	45 54		
			i	51 31		
			SKS/S	51 51		
			SS	58 43		
	COLOMBO	E	P	07 43 --		
			M	08 28 20		Amp. = 1.1 mm
25	HYDERABAD	N	Lr	08 02 53		
			M	13 01		Per. = 15 secs μ = 6
25	SHILLONG	Z	iP	10 11 40		Slight, distant rarefaction
25	SHILLONG	Z	eP	12 13 45		Slight, near
		E	i	13 55		
25	SHILLONG	Z	eP	19 25 31		Slight, near
25	SHILLONG	Z	eP	20 45 51		Slight, distant
25	SHILLONG	Z	iP	21 43 39	110	Slight, compression
			eS	44 03		
	CHATRA	Z	iP	21 44 10	390	Feeble
			iS	44 53		
25	SHILLONG	Z	eP	23 46 28		Slight, distant
26	SHILLONG	Z	iP	00 46 21		Slight, distant rarefaction
26	SHILLONG	Z	iP	01 46 31		Slight, distant rarefaction
26	SHILLONG	Z	iPg	03 58 39	100	Slight, rarefaction
			iSg	58 48		
26	SHILLONG	Z	iP	06 26 46		Slight, distant compression
26	SHILLONG	Z	e	07 30 17		Slight, distant
			i	30 19		
26	SHILLONG	Z	eP	11 43 06		Slight, distant
26	SHILLONG	Z	e	11 51 04		Slight, dnear
26	SHILLONG	Z	eP	18 21 59		Slight, distant
26	PORT BLAIR	E	iP	18 26 27	700	Slight
			P*	26 43		
			Pg	26 55		
			Lq	27 23		
			iS	27 40		
			S*	27 55		
			Sg	28 29		
26	SHILLONG	Z	e	18 28 29		Slight, distant
25	SHILLONG	Z	e	19 47 51		Slight
27	Epc: 9°S, 106°E. Off South Coast of Java - H =07h 36m 07s G.M.T.(U.S.C.G.S)					
	SHILLONG	ZE	e	07 43 17		Slight
		Z	i	43 18		

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DATE	STATION	COMPT	PHASE	G. h.	M. m.	T. s.	Δ km	REMARKS
					September 1958			
27	SHILLONG	Z	i	07	46	40		
Contd.	Contd.	E	i		48	55		
	PORT BLAIR	E	i	07	43	40		Slight
			i		45	38		
27	CHATRA	Z	i	07	43	--		Slight
	AGRA	ZN	iP	07	44	25	4850	Compression,
			i?		44	29		first movement
			i?		44	42		South
			iS		50	56		
		N	i?		51	22		
27	SHILLONG	Z	e	12	45	05		Slight, distant
27	SHILLONG	Z	e	14	12	17		TTremor
27	SHILLONG	Z	e	18	50	39		Tremor
27	SHILLONG	Z	e	19	05	57		Slight, distant
27	SHILLONG	Z	iPg	21	41	08		Slight, near
		E	i		41	17		
		Z	i		41	52		
		E	i		42	01		
27	CHATRA	Z	iP	21	42	34	950	Slight
			iS		44	16		
27	SHILLONG	Z	e	23	31	13		Slight, near
28	SHILLONG	Z	e	06	29	09		Slight
28	SHILLONG	ZE	e	10	17	58		Slight
		Z	i		18	42		
		E	i		18	57		
		Z	i		19	01		
		NE	i		19	05		
		N	i		19	11		
			i		19	32		
	CHATRA	Z	iP	10	18	48	1140	Slight
		E	iS		20	45		
28	SHILLONG	Z	iPg	13	31	29	100	Feeble,
			iSg		31	41		rarefaction
28	SHILLONG	Z	e	17	02	19		Slight
28	SHILLONG	Z	e	17	50	05		Slight
28	SHILLONG	Z	eP	18	46	39		Slight, near
28	SHILLONG	Z	iP	19	00	46		Slight, distant rarefaction
28	SHILLONG	Z	i	19	37	01		Slight
28	SHILLONG	Z	i	19	53	49		Slight
28	SHILLONG	Z	e	19	59	32		Slight
28	SHILLONG	Z	i	21	01	35		Slight, distant
29	SHILLONG	Z	iP	04	46	45	190	Slight,
			iS		47	07		compression
29	CHATRA	Z	iP	06	17	37	150	Slight
		ZE	iS		17	57		
29	SHILLONG	Z	iP	10	02	07		Slight, distant compression
29	SHILLONG	Z	iP	14	25	25		Slight, distant compression
	CHATRA	Z	i	14	25	52		Feeble, distant
29	SHILLONG	Z	iP	15	11	04	270	Slight,
		E	P*		11	05		compredsion
			Pg		11	10		
			PPP		11	19		
		NE	iS		11	34		
		E	Sg		11	41		
			SS		11	47		
			SSS		11	55		
			i		12	05		
	CHATRA	Z	iP	15	12	04	860	Slight
		ZE	iS		13	33		
29	SHILLONG	Z	eP	15	24	02		Slight, distant
29	SHILLONG	Z	e	15	42	15		Slight, near
			i		42	37		
30	CHATRA	Z	i	03	00	23		Feeble, distant
30	SHILLONG	Z	i	07	16	29		Slight
			i		16	35		
			i		16	41		
30	CHATRA	Z	i	07	17	05		Slight
	AGRA	ZN	eP	07	18	02	5890	Slight
			iS		25	31		
			i?		26	08		
		N	i?		28	00		
	DEHRA DUN	NE	e	07	18	12		Feeble, phases
			i		25	45		not clear
30	SHILLONG	Z	iP	07	32	25		Slight, compression
30	SHILLONG	Z	eP	07	40	34		Slight
30	SHILLONG	Z	eP	08	42	02		Slight, near
			Pg		42	04		
			PP		42	07		
			PPP		42	13		
			Sg		42	24		
30	CHATRA	Z	i	08	48	29		Feeble, near
30	SHILLONG	Z	eP	09	14	50		Slight
30	SHILLONG	Z	iP	14	20	08		Slight, compression
30	SHILLONG	Z	eP	16	26	42		Slight
30	SHILLONG	Z	i	17	18	10		Slight, near
			i		18	48		
30	SHILLONG	Z	iP	18	25	29		Slight, compression.

Earthquake Reports

(Non Instrumental Reports)

Following is the list of Earthquakes that were reported by Voluntary Observers from different stations during the month of September, 1958.

PLACE AT WHICH FELT	DATE GMT	TIME AT WHICH FELT h. m.	DURATION in secs.	INTENSITY in R.F. SCALE	NO. OF SHOCKS	REMARKS
SRINAGAR	18	21 58	50	VII	1	

International Seismological Centre From the ISC collection scanned by SISMOS

Station: SHILLONG Component: E.W. September 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	-	-	-
	06	1	0.18	4.8
	12	1	0.18	5.0
	18	1	0.20	5.0
02	00	1	0.16	4.5
	06	1	0.12	4.6
	12	1	0.12	4.5
	18	1	0.12	4.5
03	00	1	0.12	4.5
	06	1	0.12	4.7
	12	1	0.12	4.5
	18	1	0.12	4.6
04	00	1	0.18	5.0
	06	1	0.12	4.5
	12	1	0.18	5.0
	18	-	-	-
05	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	01	1	0.12	4.5
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	1	0.12	4.5
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	1	0.12	5.0
	11	1	0.16	5.2
	12	-	-	-
	13	1	0.14	5.0
	14	-	-	-
	15	-	-	-
	16	3	-	-
	17	3	-	-
	18	-	-	-
	19	3	-	-
	20	-	-	-
	21	-	-	-
	22	2	-	-
	23	-	-	-
07	00	2	-	-
	06	3	-	-
	12	3	-	-
	18	-	-	-
08	00	-	-	-
	06	-	-	-
	12	1	0.17	4.0
	18	1	0.18	3.5
09	00	1	0.18	4.2
	06	-	-	-
	12	1	0.30	4.5
	18	1	0.30	4.5
10	00	1	0.28	5.0
	06	1	0.28	5.0
	12	1	0.30	4.8
	18	1	0.24	5.0
11	00	1	0.26	4.5
	06	1	0.18	5.0
	12	1	0.12	4.5
	18	1	0.18	4.2
12	00	-	-	-
	06	-	-	-
	12	00	-	-
	18	00	-	-
13	00	1	0.28	5.0
	01	00	-	-
	02	-	-	-
	03	1	0.28	4.0
	04	1	0.28	3.8
	05	1	0.28	3.7
	06	1	0.26	3.5
	07	1	0.28	4.0
	08	1	0.26	4.5
	09	1	0.28	3.5
	10	1	0.30	3.8
Contd.	11	1	0.30	3.2
	12	1	0.28	3.5
	13	1	0.30	3.5
	14	1	0.28	3.5
	15	1	0.30	3.5
	16	1	0.38	4.0
	17	1	0.24	3.2
	18	-	-	-
	19	1	0.26	3.7
	20	-	-	-
	21	-	-	-
	22	1	0.24	3.5
	23	-	-	-
14	00	1	0.30	4.0
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	3	-	-
	07	3	-	-
	08	00	-	-
	09	00	-	-
	10	00	-	-
	11	00	-	-
	12	00	-	-
	13	2	0.18	5.0
	14	-	-	-
	15	-	-	-
	16	2	0.18	5.0
	17	2	0.18	5.0
	18	2	0.18	4.8
	19	00	-	-
	20	-	-	-
	21	3	-	-
	22	-	-	-
	23	3	-	-
15	00	00	-	-
	05	-	-	-
	12	00	-	-
	18	00	-	-
16	00	00	-	-
	06	1	0.14	4.0
	12	1	0.12	4.5
	18	00	-	-
17	00	00	-	-
	06	1	0.15	4.5
	12	00	-	-
	18	1	0.24	5.5
18	00	1	0.18	5.0
	06	00	-	-
	12	00	-	-
	18	1	0.20	4.5
19	00	00	-	-
	06	00	-	-
	12	00	-	-
	18	00	-	-
20	00	00	-	-
	01	00	-	-
	02	00	-	-
	03	00	-	-
	04	00	-	-
	05	00	-	-
	06	-	-	-
	07	00	-	-
	08	00	-	-
	09	00	-	-
	10	00	-	-
	11	00	-	-
	12	00	-	-
	13	1	0.18	4.5
	14	1	0.20	5.0
	15	00	-	-
	16	00	-	-
	17	-	-	-
	18	-	-	-
	19	00	-	-
	20	1	0.18	5.0
	21	1	0.20	5.0
	22	1	0.18	5.0
	23	00	-	-
21	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
22	00	00	-	-
	06	1	0.18	5.5
	12	00	-	-
	18	00	-	-
23	00	00	-	-
	06	1	0.18	5.0
	12	1	0.28	5.0
	18	1	0.30	5.0
24	00	1	0.18	4.5
	06	1	0.24	5.0
	12	1	0.30	4.5
	18	1	0.30	4.5
25	00	1	0.30	4.8
	06	1	0.30	4.5
	12	1	0.30	5.0
	18	1	0.32	4.5
26	00	1	0.32	4.5
	06	1	0.32	4.8
	12	1	0.36	5.5
	18	1	0.34	5.0
27	00	1	0.32	5.0
	06	1	0.20	5.0
	12	1	0.30	5.0
	18	1	0.18	5.0
28	00	1	0.24	5.0
	06	1	0.24	5.0
	12	1	0.20	5.0
	18	1	0.18	4.8
29	00	1	0.18	4.5
	06 to 18		No records.	
30			No records.	

Station: COCHIN Compt.: N.S.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	06	1	0.0	-
02	06	1	0.0	-
03	06	1	0.0	-
04	06	1	0.0	-
08	06	1	0.0	-
09	06	1	0.0	-
10	06	1	0.8	1.4
11	06	1	0.0	-
12	06	1	0.8	1.4
13	04	1	0.8	1.4
	05	1	0.9	1.4
	06	1	1.3	1.4
	07	1	0.8	1.4
15	06	1	0.8	1.4
16	06	3	0.0	-
17	06	1	0.0	-
18	06	1	0.0	-
19	06	1	0.0	-
20	04	1	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	1	0.0	-
21	06	1	0.0	-
22	06	1	0.0	-
23	06	1	0.0	-
24	06	1	0.0	-
25	-	-	-	-
26	06	1	0.0	-
29	06	1	0.0	-
30	06	1	0.0	-

Component: Vertical

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	06	1	0.0	-
02	06	1	0.0	-
03	06	1	0.0	-
04	06	1	0.0	-
08	06	-	-	-
09	06	-	-	-
10	06	-	-	-
11	06	-	-	-
12	06	-	-	-
23	06	1	0.0	-
24	06	1	0.0	-
25	06	1	0.0	-
26	06	1	0.0	-
27	-	-	-	-
29	06	1	0.0	-
30	06	1	0.0	-

Component: E.W.

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	06	1	0.0	-
02	06	1	0.0	-
03	06	3	0.0	-
04	06	1	0.8	1.4
08	06	1	0.8	1.4
09	06	1	0.0	-
10	06	1	1.2	1.4
11	06	1	0.0	-
12	06	1	0.8	1.4
13	04	3	1.3	1.5
	05	1	0.9	1.4
	06	1	1.0	1.5
	07	1	0.9	1.4
15	06	-	-	-
16	06	3	0.0	-
17	06	1	0.0	-
18	06	1	0.0	-
19	06	1	0.9	1.4
20	04	3	0.0	-
	05	1	0.0	-
	06	1	0.0	-
	07	3	0.0	-
21	06	1	0.0	-
22	06	1	0.0	-
23	06	1	0.0	-
24	06	1	0.0	-
25	-	-	-	-
26	06	1	0.0	-
29	06	1	0.0	-
30	06	1	0.0	-

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Station: COCHIN Compt: Vertical Component: E.W. September 1958

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
13	04	1	0.0	-
	05	3	0.0	-
	06	-	0.0	-
	07	-		
15	06	-		
16	06	3	0.0	-
17	06	-	-	-
18	06	1	0.0	-
19	06	1	0.0	-
20	04	1	0.0	-
	05	-	-	-
	06	-	-	-
	07	1	0.0	-
21	06	1	0.0	-
22	06	1	0.0	-
23	06	1	0.0	-
24	06	1	0.0	-
26	06	1	0.0	-
29	06	1	0.0	-
30	06	1	0.0	-

Station: PORT BLAIR Compt: E.W

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
01	00	1	3.60	4.2
	03	1	3.20	4.3
	06	1	3.10	4.3
	09	1	2.75	4.2
	12	1	2.51	4.2
	15	1	2.51	4.1
	18	1	2.25	4.1
	21	1	2.05	4.0
02	00	1	2.00	4.2
	06	1	1.50	4.0
	12	3	1.25	4.0
	18	3	1.12	3.8
03	00	3	1.11	3.5
	05	3	0.80	2.4
	12	3	0.75	2.4
			1.50	8.0
	18	3	1.00	2.4
			1.80	8.0
04	00	3	1.10	2.4
			2.00	8.0
	06	3	1.12	2.4
			1.50	8.0
	12	3	1.00	2.6
	18	3	1.12	2.7
05	00	-	-	-
	06	3	1.12	3.0
	12	3	1.12	3.0
	18	3	1.10	3.0
06	00	3	1.10	3.0
	01	3	1.00	3.0
	02	3	1.15	2.7
	03	3	1.10	2.7
	04	3	1.15	2.7
	05	3	1.20	2.7
	06	3	1.15	2.6
			2.10	8.0
	07	3	1.10	2.5
	08	3	1.32	2.4
	09	3	1.12	2.5
	10	3	1.12	2.6
	11	3	1.32	2.6
	12	3	1.50	3.0
	13	3	1.50	3.0
	14	3	1.50	3.0
	15	3	1.50	3.0
			2.00	8.0
	16	3	1.60	3.0
06	17	3	1.12	2.9
Contd.	18	3	1.12	2.9
	19	3	1.12	2.7
			1.50	8.0
	20	3	1.00	2.8
			1.50	8.0
	21	3	1.12	2.7
	22	3	1.50	3.0
	23	3	1.53	3.0
07	00	1	1.50	3.2
	03	1	1.50	3.2
	06	1	1.38	3.2
	09	1	1.75	3.2
	12	1	1.75	3.0
	15	1	1.75	3.1
	18	1	2.05	3.0
	21	1	2.15	3.2
08	00	1	2.25	3.6
	03	2	2.25	3.7
	06	2	2.50	3.8
	09	2	2.50	3.7
	12	2	2.50	3.7
	15	2	3.15	3.8
	18	2	3.22	3.8
	21	2	3.00	3.8
09	00	2	2.25	3.8
	03	2	2.50	4.0
	06	2	3.15	3.3
	09	2	3.00	4.0
	12	2	2.50	3.8
	15	2	2.62	3.9
	18	2	2.10	3.9
	21	2	2.10	3.9
10	00	2	2.00	3.7
	06	2	1.95	3.6
	09	2	1.95	3.5
	12	3	1.76	3.4
	18	3	1.25	3.4
11	00	3	1.10	3.3
	05	3	0.95	3.1
	12	3	0.74	3.0
	18	3	0.72	3.0
12	00	3	0.75	3.1
	06	-	-	-
	12	3	0.72	2.9
	18	3	1.00	3.1
13	00	3	0.75	3.1
	01	3	0.64	3.1
	02	3	0.85	3.2
	03	-	-	-
	04	3	1.10	3.2
	05	3	0.65	2.2
			1.10	3.2
	06	3	1.20	3.2
	07	3	1.10	3.2
	08	3	1.20	2.9
	09	3	1.10	3.1
	10	3	1.10	3.0
	11	3	1.05	2.9
	12	3	1.20	3.0
	13	3	1.25	3.1
	14	3	1.05	3.0
	15	3	1.05	3.1
	16	3	1.10	3.0
	17	3	1.00	3.1
	18	3	1.10	3.0
	19	3	1.05	3.0
	20	3	1.10	3.0
	21	3	1.05	3.1
	22	3	1.00	3.0
	23	3	1.05	3.1
14	00	3	0.85	3.0
	01	3	1.00	3.0
	02	3	0.95	3.0
	03	3	0.97	3.1
	04	3	0.85	3.1
	05	3	0.79	3.0
	06	3	0.76	3.0
	07	3	0.76	3.0
	08	3	0.78	3.0
	09	3	0.76	3.0
	10	3	0.75	3.0
14	11	3	0.75	3.0
Contd.	12	3	0.66	3.0
	13	-	-	-
	14	-	-	-
	15	3	0.55	3.0
	16	3	0.85	3.0
	17	-	-	-
	18	3	0.45	3.0
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
15	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	3	1.05	8.0
	04	3	0.95	8.0
	05	3	0.95	8.0
	06	3	0.95	8.0
	07	3	0.95	8.0
	08	3	0.95	8.0
	09	3	0.95	8.0
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	3	2.20	3.0
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
16	00 to 23	No records		
17	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-
	12	-	-	-
	13	3	0.26	2.3
	14	3	0.27	2.3
	15	3	0.27	3.3
	16	3	0.28	2.3
	17	3	0.35	2.3
	18	3	0.35	2.3
	19	-	-	-
	20	3	0.35	2.3
	21	3	0.45	2.3
	22	3	0.45	2.3
	23	3	0.45	2.3
18	00	3	0.30	2.3
	01	3	0.50	2.3
	02	3	0.50	2.3
	03	3	0.50	2.3
	04	-	-	-
	05	3	0.52	2.3
	06	3	0.60	2.6
	07	3	0.80	2.6
	08	3	0.65	2.6
	09	3	0.65	2.6
	10	3	0.68	2.6
	11	3	0.68	2.6
	12	1	0.72	2.8
	13	1	0.72	2.8
	14	1	0.72	2.8
	15	1	0.72	2.8
	16	1	0.72	2.8
	17	1	0.75	2.8
	18	1	0.85	2.8
	19	1	0.90	2.8
	20	1	0.90	2.8
	21	1	0.90	2.8
	22	1	0.90	2.8
	23	1	0.95	2.8

Station: PORT BLAIR Component: E.W

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
19	00	1	1.00	2.8
	01	1	1.15	2.9
	02	1	1.20	2.8
	03	1	1.15	2.9
	04	1	1.15	2.9
	05	1	1.15	2.8
	06	1	1.15	3.0
	07	1	1.15	3.0
	08	1	1.20	3.0
	09	1	1.20	3.0
	10	1	1.10	3.0
	11	1	1.10	3.0
	12	1	1.10	2.8
	13	1	1.10	2.8
	14	1	1.00	2.8
	15	1	1.00	2.8
	16	1	1.10	2.8
	17	1	1.10	2.9
	18	1	1.10	2.9
	19	1	1.20	2.8
	20	1	1.20	3.0
	21	1	1.20	3.0
	22	1	1.20	3.0
	23	1	1.20	2.9
20	00	1	1.20	2.8
	01	1	1.20	2.8
	02	1	1.20	2.8
	03	1	1.20	2.8
	04	1	1.30	2.9
	05	1	1.30	2.9
	06	1	1.30	2.9
	07	1	1.20	3.0
	08	1	1.10	3.0
	09	1	1.10	3.0
	10	1	1.10	3.0
	11	-	-	-
	12 to 23	No records		
21	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	1	1.10	2.9
	04	1	1.10	2.9
	05	1	1.05	2.9
	06	1	1.00	3.0
	07	1	1.00	3.0
	08	1	1.10	3.0
	09	1	1.05	3.0
	10	1	1.05	3.0
	11	1	1.00	3.0
	12	1	1.00	3.0
	13	1	1.10	3.0
	14	1	1.10	2.9
	15	1	1.10	2.9
	16	1	1.00	2.9
	17	1	0.95	2.9
	18	1	1.00	2.9
	19	1	0.95	2.9
	20	1	0.85	2.9
	21	1	0.75	2.9
	22	1	0.65	3.0
	23	1	0.65	2.9
22	00	1	0.65	2.9
	01	1	0.65	2.9
	02	1	0.65	3.0
	03	-	-	-
	04	1	0.50	2.9
	05	1	0.60	2.9
	06	1	0.60	2.9
	07	1	0.50	2.9
	08	1	0.50	2.9
	09	1	0.50	2.9
	10	1	0.48	3.0
	11	1	0.50	3.0
	12	1	0.50	2.9
	13	1	0.45	2.9
	14	1	0.50	2.9
	15	1	0.45	2.9
	16	1	0.45	2.9
	17	1	0.50	2.9
	18	1	0.50	2.9
	19	-	-	-
	20	-	-	-
	21	1	0.45	2.9
	22	1	0.35	2.9
	23	1	0.35	2.9
23	00	1	0.35	2.9

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station PORT BLAIR Compt : E.W.				
23	06	1	3.50	2.9
Contd.	12	-	-	-
	18	-	-	-
24	00	-	-	-
	06	-	-	-
	12	1	0.48	2.9
	18	1	0.48	2.9
25	00	1	0.48	2.9
	06	1	0.55	2.9
	12	1	0.55	2.9
	18	1	0.55	2.9
26	00	1	0.60	2.9
	06	1	0.60	2.9
	12	1	0.70	2.9
	18	-	-	-
27	00	-	-	-
	06	-	-	-
	12	1	0.80	2.9
	18	1	1.10	2.9
28	00	1	1.25	2.9
	06	1	1.25	2.9
	12	1	1.20	2.9
	18	-	-	-
29	00	-	-	-
	06	1	1.05	2.9
	12	1	0.90	2.9
	18	1	0.80	2.9
30	00	1	0.80	2.9
	06	1	0.80	2.9
	12	1	0.70	2.9
	18	1	0.55	2.9
Station: BOMBAY Compt : E.W.				
01	00	(2)	1.4	3.5
	06	(2)	1.8	3.6
	12	-	-	-
	18	(2)	1.7	3.6
02	00	2	1.7	3.6
	06	2	1.7	3.6
	12	2	1.9	3.4
	18	2	1.8	3.5
03	00	2	1.9	3.5
	06	2	1.9	4.4
	12	2	1.8	3.5
	18	2	1.5	3.7
04	00	2	1.5	3.8
	06	2	1.3	4.2
	12	2	1.3	4.1
	18	2	1.3	3.7
05	00	2	1.5	3.5
	06	2	1.3	3.4
	12	-	-	-
	18	-	-	-
06	00	-	-	-
	01	1	1.3	2.8
	02	1	2.2	2.9
	03	1	1.1	3.0
	04	1	1.2	3.1
	05	1	1.1	3.3
	06	1	1.3	2.9
	07	1	1.3	2.8
	08	1	1.1	2.6
	09	1	1.2	2.6
	10	1	1.3	2.8
	11	1	1.3	2.7
	12	1	1.1	2.6
	13	1	1.3	2.7
	14	1	1.1	2.5
	15	1	1.1	2.7
	16	1	1.1	2.4
	17	1	1.1	2.9
	18	1	1.1	2.8
	19	1	1.1	2.7
	20	1	1.3	3.0
	21	1	1.1	2.6
	22	1	1.4	2.9
	23	1	1.3	3.2

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY Compt.: E.W.				
07	00	(1)	1.3	2.8
	03	(1)	1.3	3.1
	06	(1)	1.5	3.2
	09	(1)	1.5	3.0
	12	(1)	1.3	2.9
	15	(1)	1.5	2.5
	18	(1)	1.4	2.5
	21	(1)	1.3	2.5
08	00	1	1.6	3.0
	03	1	1.7	3.2
	06	-	-	-
	09	1	1.5	3.0
	12	-	-	-
	15	1	1.8	2.7
	18	1	1.6	2.7
	21	1	1.7	2.7
09	00	1	1.9	2.8
	03	1	2.0	2.8
	06	-	-	-
	09	-	-	-
	12	1	2.1	2.7
	15	1	1.9	2.6
	18	1	1.5	2.5
	21	1	1.5	2.5
10	00	1	1.5	2.6
	03	1	2.3	4.3
	06	1	1.5	2.9
	09	1	1.7	2.6
	12	1	1.9	2.4
	15	1	1.9	2.6
	18	1	1.9	2.5
	21	1	1.8	2.4
11	00	1	1.9	2.5
	03	1	2.1	2.9
	06	1	2.1	2.8
	09	1	2.4	2.5
	12	1	2.5	2.3
	15	1	2.4	2.5
	18	1	2.5	2.6
	21	1	2.3	2.4
12	00	1	2.1	2.3
	03	1	2.3	2.6
	06	1	2.2	2.5
	12	1	2.5	2.0
	15	1	2.3	1.9
	18	1	2.4	1.8
	21	1	2.2	1.9
13	00	(1)	2.5	2.1
	01	1	2.7	2.2
	02	1	2.7	2.1
	03	1	2.3	2.1
	04	1	2.8	2.0
	05	1	2.3	2.0
	06	1	2.5	2.1
	07	1	2.3	1.9
	08	1	2.0	2.1
	09	1	2.3	2.0
	10	1	2.1	2.0
	11	1	1.9	1.9
	12	1	2.2	2.0
	13	1	2.3	2.1
	14	1	2.2	2.1
	15	1	2.3	2.1
	16	1	2.5	2.2
	17	1	2.3	2.2
	18	1	2.1	2.2
	19	1	2.4	2.1
	20	1	2.1	2.2
	21	1	1.7	2.1
	22	1	1.9	2.2
	23	1	1.9	2.1
14	00	(1)	1.9	2.1
	01	1	1.8	2.1
	02	1	2.0	2.3
	03	1	2.0	2.3
	04	1	1.9	2.2
	05	1	2.0	2.3
	06	1	1.9	2.2
	07	1	1.9	2.2
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	-	-	-

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
September 1958 Station: BOMBAY Compt: E.W.				
14	12	-	-	-
Contd.	13	-	-	-
	14	-	-	-
	15	-	-	-
	16	-	-	-
	17	-	-	-
	18	-	-	-
	19	-	-	-
	20	-	-	-
	21	-	-	-
	22	-	-	-
	23	-	-	-
15	00	-	-	-
	01	-	-	-
	02	-	-	-
	03	-	-	-
	04	-	-	-
	05	-	-	-
	06	-	-	-
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	2	1.7	4.1
	12	2	1.7	4.3
	13	2	1.8	4.0
	14	2	1.8	4.3
	15	2	1.5	4.2
	16	2	1.5	4.0
	17	2	1.5	3.8
	18	2	1.5	4.1
	19	2	1.5	4.1
	20	-	-	-
	21	-	-	-
	22	2	1.5	4.2
	23	2	1.5	4.0
16	00	(2)	1.5	4.4
	01	2	1.5	4.0
	02	2	1.3	4.2
	03	2	1.3	4.1
	04	2	1.4	4.0
	05	2	1.5	4.2
	06	2	1.3	4.0
	07	2	1.5	4.3
	08	2	1.4	4.1
	09	2	1.3	3.8
	10	2	1.3	3.7
	11	2	1.5	4.0
	12	-	-	-
	13	2	1.3	4.2
	14	2	1.1	3.8
	15	2	1.1	4.0
	16	2	1.1	4.2
	17	2	1.1	3.9
	18	2	1.1	3.8
	19	2	1.1	4.0
	20	2	1.3	3.9
	21	2	2.2	4.0
	22	2	1.3	3.9
	23	2	1.1	3.9
17	00	(2)	1.1	3.6
	01	2	1.0	4.0
	02	2	1.0	3.7
	03	2	1.1	3.9
	04	2	0.9	3.9
	05	2	0.9	3.9
	06	2	0.9	3.8
	07	2	0.9	3.9
	08	2	0.9	4.1
	09	2	0.9	3.9
	10	2	1.1	4.1
	11	2	1.0	3.8
	12	2	1.1	4.0
	13	2	1.3	4.0
	14	2	0.9	4.1
	15	2	0.9	4.0
	16	2	0.8	3.8
	17	2	0.9	3.9
	18	2	0.8	3.8
	19	2	1.0	3.8
	20	2	0.9	3.8
	21	2	0.9	3.7
	22	2	0.9	3.7
	23	2	0.9	3.8
18	00	(2)	0.8	3.7
	01	2	0.7	3.8

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
18	02	2	0.8	3.3
Contd.	03	2	1.3	3.5
	04	2	0.9	3.3
	05	2	0.7	3.5
	06	2	0.9	3.3
	07	2	0.8	3.6
	08	2	0.7	3.1
	09	2	0.8	3.3
	10	2	0.7	3.3
	11	2	0.8	3.5
	12	2	0.9	3.4
	13	2	0.9	3.4
	14	2	0.7	3.4
	15	2	0.7	3.5
	16	2	0.7	3.7
	17	2	0.7	3.1
	18	2	0.7	3.5
	19	2	0.7	3.6
	20	2	0.7	3.7
	21	-	-	-
	22	2	0.9	3.5
	23	2	0.7	3.2
19	00	(2)	0.7	3.5
	01	2	0.6	3.8
	02	2	0.6	3.7
	03	2	0.7	3.8
	04	2	0.7	3.9
	05	-	-	-
	06	2	0.7	3.9
	07	2	0.7	3.8
	08	2	0.7	3.9
	09	2	0.7	3.5
	10	2	0.7	3.7
	11	2	0.7	3.8
	12	2	0.7	4.0
	13	2	0.8	3.7
	14	2	0.7	3.7
	15	2	0.7	3.6
	16	2	0.7	3.8
	17	2	0.7	4.0
	18	2	0.7	3.7
	19	2	0.8	3.9
	20	2	0.7	3.8
	21	2	0.7	3.9
	22	2	0.9	3.9
	23	2	0.7	3.2
20	00	(2)	0.7	3.2
	01	2	0.5	3.3
	02	2	0.7	3.5
	03	2	0.5	3.7
	04	2	0.6	3.2
	05	2	0.6	3.0
	06	2	0.7	3.5
	07	2	0.5	3.2
	08	2	0.6	3.3
	09	2	0.6	3.5
	10	2	0.6	3.8
	11	2	0.6	3.3
	12	2	0.8	3.8
	13	2	0.6	3.8
	14	2	0.7	3.6
	15	2	0.7	3.6
	16	2	0.5	3.2
	17	2	0.7	3.6
	18	2	0.5	3.2
	19	2	0.6	3.6
	20	2	0.5	3.6
	21	2	0.5	3.6
	22	2	0.5	3.6
	23	2	0.7	3.5
21	00	(2)	0.5	3.5
	01	2	0.5	3.6
	02	2	0.5	3.4
	03	-	-	-
	04	2	0.3	3.2
	05	-	-	-
	06	2	0.4	3.6
	07	2	0.4	3.5
	08	2	0.4	3.2
	09	-	-	-
	10	2	0.3	3.4
	11	2	0.4	3.4
	12	2	0.3	2.8
	13	2	0.3	3.2
	14	2	0.3	2.7
	15	2	0.4	3.0
	16	2	0.3	2.9

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DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: BOMBAY Compt.: E.W.				
21	17	2	0.3	2.8
Contd.	18	2	0.3	2.3
	19	2	0.3	3.5
	20	2	0.3	2.8
	21	2	0.3	3.0
	22	2	0.3	2.9
	23	2	0.3	3.1
22	00	(2)	0.3	2.9
	01	2	0.2	2.6
	02	2	0.5	3.0
	03	-	-	-
	04	2	0.4	3.6
	05	2	0.4	3.7
	06	2	0.4	3.8
	07	2	0.3	3.8
	08	2	0.3	3.6
	09	2	0.4	3.8
	10	2	0.4	3.9
	11	2	0.3	4.1
	12	2	0.3	3.9
	13	2	0.5	3.7
	14	2	0.3	3.9
	15	2	0.4	3.9
	16	2	0.4	3.7
	17	2	0.3	3.9
	18	2	0.3	4.0
	19	2	0.4	3.9
	20	-	-	-
	21	-	-	-
	22	2	0.3	3.8
	23	2	0.4	4.0
23	00	2	0.4	4.1
	05	2	0.5	4.0
	12	2	0.4	4.0
	18	2	0.5	3.8
24	00	2	0.4	4.1
	06	2	0.6	2.8
	12	2	0.6	2.4
	18	2	0.5	2.5
25	00	2	0.7	2.4
	06	2	0.7	2.7
	12	2	0.7	2.4
	18	2	0.9	2.8
26	00	2	0.9	2.8
	06	2	0.8	2.7
	12	2	0.8	2.8
	18	2	0.8	2.9
27	00	2	0.9	2.7
	06	2	0.9	2.8
	12	2	0.7	2.6
	18	2	0.7	2.8
28	00	2	0.7	2.7
	06	2	0.7	2.7
	12	2	0.8	2.8
	18	2	0.7	2.7
29	00	2	1.1	2.2
	06	2	0.7	2.9
	12	2	0.7	2.8
	18	2	0.7	2.8
30	00	-	-	-
	03	-	-	-
	06	1	0.7	2.7
	09	1	0.7	2.7
	12	1	0.7	2.9
	15	1	0.7	3.1
	18	1	0.7	3.0
	21	1	0.7	3.0
Station: MADRAS Compt. E.W.				
01	00	3	0.8	3.9
	03	3	0.9	4.2
	06	3	1.0	4.0
	12	3	0.8	4.0
	18	3	0.9	3.9
02	00	3	0.8	4.1
	03	3	0.9	4.1
	06	3	0.8	4.1
	12	3	0.9	4.1
	18	3	0.8	4.3
03	00	3	0.7	4.2
	03	1	0.8	4.5
	06	3	0.8	4.5
	12	3	1.0	4.8
	18	3	0.9	4.7
04	00	3	0.8	4.9
	03	3	0.7	4.7
	06	3	0.6	4.6
	12	3	0.6	4.8
	18	3	0.6	4.6
05	00	3	0.5	4.5
	03	3	0.5	4.3
	06	3	0.5	4.3
	12	3	0.4	4.3
	18	3	0.4	4.3
06	00	3	0.5	4.6
	03	3	0.2	2.2
	06	3	0.1	1.8
	12	3	0.2	2.1
	18	3	0.2	2.3
07	00	1	0.2	2.1
	01	1	0.3	2.2
	02	1	0.3	2.3
	03	1	0.3	2.3
	04	1	0.3	2.3
	05	1	0.3	2.3
	06	1	0.4	2.3
	07	1	0.5	2.4
	08	1	0.7	2.7
	09	1	0.8	2.7
	10	1	0.8	2.5
	11	1	0.9	2.7
	12	1	0.9	2.7
	13	1	0.8	2.8
	14	1	0.9	2.8
	15	1	0.9	2.9
	16	1	0.9	2.8
	17	1	0.9	2.9
	18	1	0.9	2.9
	19	1	0.8	3.0
	20	1	0.7	2.9
	21	1	0.7	3.0
	22	1	0.7	2.8
	23	1	0.7	2.8
08	00	1	0.7	2.8
	03	1	0.6	2.5
	06	1	0.6	2.5
	12	1	0.7	2.7
	18	3	0.8	3.0
09	00	3	0.6	3.1
		3	0.7	4.0
	03	3	0.5	2.7
	06	3	0.5	2.7
	12	3	0.6	2.6
	18	3	0.7	2.9
		3	0.7	4.0
10	00	1	0.8	4.2
	03	3	0.7	4.1
	06	3	0.7	4.1
	12	1	0.8	4.3
	18	1	0.8	4.1
11	00	1	0.8	4.5
	03	3	0.9	4.0
	06	3	0.9	4.1
	12	1	1.0	4.2
	18	1	1.0	4.2
12	00	1	1.0	4.4
	01	1	0.9	4.4
	02	1	0.9	4.2
	03	1	0.9	4.4
	04	1	0.9	4.3
	05	1	0.8	4.5
	06	1	0.9	4.5
	07	1	1.0	4.5
	08	1	1.0	4.6
	09	1	1.0	4.6
	10	1	1.0	4.5
	11	1	1.0	4.4
	12	1	0.9	4.4
	13	1	1.0	4.4
	14	1	0.9	4.4

DATE	HOUR GMT	K	MEAN Amplitude in mm	MEAN Period in secs
Station: MADRAS September 1958				
12.	15	1	1.0	4.2
	16	1	0.9	4.4
	17	1	0.9	4.3
	18	1	0.9	4.4
	19	1	0.9	4.5
	20	1	0.9	4.6
	21	1	1.0	4.2
	22	1	1.0	4.5
	23	1	0.9	4.4
13	00	1	0.8	4.2
	01	1	0.8	4.4
	02	1	1.0	4.4
	03	1	0.9	4.7
	04	1	0.9	4.3
	05	1	0.9	4.5
	06	1	1.0	4.4
	07	1	0.9	4.3
	08	1	0.8	4.5
	09	1	0.9	4.4
	10	1	0.9	4.3
	11	1	0.9	4.1
	12	1	0.9	4.4
	13	1	0.9	4.3
	14	1	0.8	4.6
	15	1	0.8	4.3
	16	1	0.8	4.5
	17	1	0.8	4.3
	18	1	0.9	4.5
	19	1	0.9	4.4
	20	1	0.8	4.4
	21	1	0.9	4.5
	22	1	0.9	4.3
	23	1	0.9	4.2
14	00	1	0.9	4.4
	01	1	0.9	4.3
	02	1	0.8	4.0
	03	1	0.8	4.3
	04	1	0.8	4.2
	05	1	0.9	4.3
	06	1	0.9	4.2
	07	1	0.9	4.3
	08	1	0.9	4.4
	09	1	0.9	4.1
	10	1	0.8	4.2
	11	1	0.8	4.2
	12	1	0.9	4.2
	13	1	0.8	4.2
	14	1	0.7	4.2
	15	-	-	-
	16	1	0.7	4.2
	17	1	0.7	4.1
	18	1	0.7	4.1
	19	1	0.7	4.1
	20	1	0.7	4.1
	21	1	0.7	4.4
	22	1	0.7	4.3
	23	1	0.7	4.2
15	00	1	0.7	4.3
	01	1	0.6	4.0
	02	1	0.6	4.1
	03	1	1.0	4.1
	04	1	0.9	4.2
	05	1	0.7	4.2
	06	1	0.7	4.2
	07	1	0.7	4.1
	08	1	0.8	4.1
	09	1	0.8	4.2
	10	1	0.8	4.2
	11	1	0.9	4.2
	12	1	0.7	4.2
	13	1	0.7	4.2
	14	1	0.7	4.2
	15	1	0.8	4.2
	16	1	0.7	4.5
	17	1	0.7	4.3
	18	1	0.7	4.2
	19	1	0.7	4.3
	20	-	-	-
	21	1	0.7	4.2
	22	1	0.7	4.2
	23	1	0.6	4.1
16	00	1	0.7	4.2
	01	1	0.5	4.2
	02	1	0.7	4.2
	03	1	0.7	4.4
	04	1	0.7	4.3
Station MADRAS Compt.: E.W.				
16	05	1	0.7	4.5
Contd.	06	1	0.7	4.3
	07	-	-	-
	08	-	-	-
	09	-	-	-
	10	-	-	-
	11	3	0.5	4.1
	12	3	0.4	4.1
	13	3	0.5	4.1
	14	3	0.5	4.1
	15	3	0.5	4.3
	16	3	0.5	4.3
	17	3	0.5	4.3
	18	3	0.5	4.3
17	00	3	0.4	4.1
	03	3	0.4	4.2
	06	3	0.5	4.0
	12	3	0.5	4.3
	18	3	0.4	4.3
18	00	3	0.3	4.1
	03	3	0.3	4.1
	06	3	0.3	4.3
	12	3	0.3	3.9
	18	3	0.3	4.1
19	00	3	0.2	3.8
	03	3	0.3	3.9
	06	3	0.3	4.0
	12	3	0.3	3.5
	18	3	0.3	4.1
20	00	3	0.3	3.9
		3	0.1	2.3
	03	3	0.1	2.3
	06	3	0.1	2.2
	12	3	0.1	2.2
	18	3	0.2	2.2
21	00	3	0.1	2.3
	03	3	0.1	2.3
	06	3	0.2	2.4
	12	3	0.3	2.5
	18	3	0.2	2.4
22	00	3	0.2	2.4
	03	3	0.3	2.6
	06	3	0.2	2.5
	12	3	0.2	2.4
	18	3	0.2	2.4
23	00	3	0.2	2.4
	03	3	0.1	2.3
	06	3	0.2	2.3
	12	3	0.2	2.2
	18	3	0.2	2.4
24	00	3	0.2	2.4
	03	3	0.2	2.3
	06	3	0.3	2.3
	12	3	0.3	2.3
	18	3	0.2	2.3
25	00	3	0.2	2.4
	03	3	0.3	2.3
	06	1	0.3	2.5
	12	1	0.4	2.7
	18	3	0.3	2.4
26	00	3	0.2	2.3
	03	3	0.2	2.2
	06	3	0.2	2.3
	12	3	0.2	2.6
	18	3	0.2	2.5
27	00	3	0.2	2.7
	03	3	0.2	2.5
	06	3	0.2	2.7
	12	3	0.2	2.6
	18	3	0.2	2.5
28	00	3	0.2	2.5
	03	3	0.2	2.5
	06	3	0.2	2.7
	12	3	0.2	2.5
	18	3	0.2	2.5
29	00	3	0.2	2.7
	03	3	0.2	2.5

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DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
Station: MADRAS Compt: E.W.				
29	06	3	0.2	2.5
Contd.	12	3	0.3	2.4
	18	3	0.4	2.6
30	00	1	0.6	2.6
	03	1	1.1	2.5
	06	1	1.3	2.6
	12	1	0.7	2.6
	18	1	0.4	2.6
Station: HOWRAH Compt.: E.W.				
01	00	-	3.2	3.7
	06	-	4.0	4.4
	12	-	2.0	2.8
	18	-	3.2	3.9
02	00	(3)	2.0	4.5
			2.2	3.4
	06	-	3.5	4.0
	12	-	2.8	3.8
	18	-	3.5	3.6
03	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.6	4.2
04		No records		
05	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.3	3.8
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	2.1	3.4
07		No records		
08	03	-	5.1	3.1
	09	-	4.7	3.0
	15	-	5.0	3.2
	18	-	-	-
	21	-	8.7	3.3
09	03	-	6.5	3.4
	09	-	5.3	3.0
	15	-	-	-
	21	-	-	-
10	00	-	3.2	3.4
	06	-	3.4	3.4
	12	-	2.5	3.2
	18	-	2.3	3.9
11	00	-	2.9	3.9
	06	-	-	-
	12	-	-	-
	18	-	2.1	3.7
12	00	-	-	-
	06	-	-	-
	12	-	4.0	3.4
	18	-	4.4	3.2
13	01	(1)	7.0	3.2
	02	(1)	7.3	3.3
	16	(1)	6.9	3.0
	17	(1)	7.1	3.1
	19	(1)	6.9	3.0
	20	(1)	6.6	3.1
	21	(1)	5.4	3.0
14	01	(1)	4.5	2.9
	02	(1)	4.6	2.9
	04	(1)	3.5	2.9
	05	-	3.5	3.0
	07	-	3.5	3.0
	08	-	3.1	3.1
	09	-	2.7	3.0
	10	-	2.4	2.9
	11	-	2.1	2.9
	13	-	2.1	2.8
	14	-	2.2	2.9
	15	-	-	-
	16	-	2.4	2.9

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
Station: HOWRAH Compt.: E.W.				
14	17	-	2.2	3.0
Contd.	19	-	1.9	2.9
	20	-	2.3	2.9
	21	-	2.6	3.0
	22	-	2.6	3.1
	23	-	2.2	3.0
15	00	-	2.6	3.1
	06	-	3.2	3.7
	12	-	3.3	3.2
	18	-	3.2	3.2
16	00	-	3.0	3.2
	06	-	3.6	3.3
	12	-	-	-
	18	-	2.0	8.1
			2.0	2.4
17	00	-	2.6	3.1
	06	-	1.4	3.1
	12	-	-	-
	18	-	1.4	3.3
18	00	-	2.0	3.2
	06	-	-	-
	12	-	-	-
	18	-	1.6	3.9
21	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.4	2.9
22	00	-	1.6	3.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
23	00	-	1.9	3.0
	06	-	-	-
	12	-	-	-
	18	-	-	-
28	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.5	3.2
29	00	-	1.5	3.2
	06	-	2.7	3.0
	12	-	2.4	3.1
	18	-	2.8	3.0
30	00	-	2.5	3.3
	06	-	1.9	3.1
	12	-	1.5	2.5
	18	-	1.5	2.9
Component: N.S.				
01	00	-	2.5	4.0
	06	-	3.8	3.5
	12	-	3.7	3.7
	18	-	3.4	3.8
02	00	-	3.4	3.8
	06	-	3.3	3.5
	12	-	2.4	3.8
	18	-	2.1	3.7
03	00	-	2.0	4.0
	06	-	1.9	4.1
	12	-	2.0	4.3
	18	-	1.7	4.3
04	00	-	2.0	4.0
	06	-	2.3	3.8
	12	-	2.9	4.4
	18	-	1.7	3.6
05	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	1.8	3.2
06	00	-	1.6	3.3
	06	-	1.5	3.0
	12	-	2.0	4.1
	18	-	2.1	3.2

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
September 1958 Compt.: N.S.				
07	03	-	-	-
	09	-	-	-
	15	-	-	-
	21	-	1.5	2.6
08	03	-	4.9	3.1
	09	-	4.7	2.8
	15	-	6.8	3.2
	21	-	-	-
09	00	-	-	-
	03	-	7.1	3.3
	09	-	5.6	3.1
	15	-	4.4	3.1
	21	-	-	-
10	00	(1)	4.2	3.0
	06	(1)	4.2	3.3
	12	-	2.8	3.3
	18	-	3.0	3.7
11	00	-	2.6	3.8
	06	-	2.6	3.8
	12	-	2.3	3.8
	18	-	2.3	4.1
12	00	-	-	-
	06	(1)	2.8	3.6
	12	(1)	5.4	3.3
	18	(1)	6.1	3.5
13		No records		
14	01	(1)	6.9	2.9
	02	(1)	6.6	3.0
	04		5.8	2.9
	05	-	5.8	2.9
	07	-	5.1	3.0
	08	-	4.6	2.9
	09	-	4.3	2.9
	10	-	4.0	3.0
	11	-	4.0	3.0
	13	-	3.8	3.0
	14	-	3.7	2.9
	15	-	-	-
	16	-	3.8	3.0
	17	-	3.7	3.0
	19	-	3.6	3.1
	20	-	3.5	3.1
	21	-	3.5	3.1
	22	-	3.4	3.3
	23	-	3.5	3.3
15	00	-	3.3	3.3
	06	-	3.8	3.3
	12	-	3.4	3.5
	18	-	3.5	2.9
16	00	-	4.7	3.6
	06	-	3.3	3.1
	12	(3)	2.4	3.6
		-	2.4	2.5
	18	-	2.5	2.7
17	00	-	2.2	3.1
	06	-	3.3	2.8
	12	-	2.0	3.2
	18	-	1.5	3.1
18	00	-	1.9	3.3
	06	-	2.5	2.8
	12	-	1.4	3.4
	18	-	1.4	3.7
19	00	-	1.7	3.4
	06	-	1.5	3.1
	12	-	1.8	4.0
	18	-	1.2	3.5
			1.0	2.6
20	01 to 17		No records	
	19	-	0.9	2.7
	20	(3)	1.1	4.0
			0.9	3.0
	21	-	1.1	3.7
	22	-	1.1	4.0
	23	-	-	-
21	00	-	1.2	3.5
	06	-	1.9	4.7

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
Station: HOWRAH				
21	12	-	1.3	2.6
Contd.	18	-	1.3	2.7
22	00	-	1.7	3.0
	06	-	1.5	3.0
	12	-	2.2	2.9
	18	-	1.6	2.9
23	00	-	1.7	3.1
	06	-	2.0	2.8
	12	-	1.8	2.8
	18	-	1.6	3.0
24	00	-	1.6	3.0
	06	-	-	-
	12	-	1.7	3.1
	18	(3)	1.9	4.3
			1.2	2.4
25	00	-	1.8	4.0
	06	-	-	-
	12	-	-	-
	18	-	1.6	3.8
26	00	-	1.6	3.8
	06	-	-	-
	12	-	-	-
	18	-	1.1	3.2
27	00	-	1.4	4.0
	06	-	-	-
	12	-	-	-
	18	-	1.5	4.0
28	00	-	1.4	3.7
	06	-	-	-
	12	-	0.9	2.6
	18	-	1.5	3.0
29	00	-	3.1	3.4
	06	-	2.3	2.9
	12	-	2.5	3.1
	18	-	2.9	3.1
30	00	-	2.9	3.0
	06	-	3.7	3.2
	12	-	2.2	3.0
	18	-	2.1	2.8
Component: Vertical				
01 to 05			No records	
06	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.9	3.1
07	00	-	0.8	3.0
	06	-	-	-
	12	-	-	-
	18	-	0.9	3.4
08	03	(1)	3.3	3.0
	09	(3)	2.8	2.9
			4.2	3.9
	15	(1)	3.5	3.0
	21	(1)	5.5	3.1
			1.4	2.9
09	03	(1)	3.8	2.7
	09	(1)	3.1	3.2
	15	(1)	2.9	3.1
	21	-	1.4	2.9
10	00	-	1.2	2.9
	06	-	2.0	3.0
	12	-	1.1	2.9
	18	-	1.2	3.5
11	00	-	1.0	3.3
	06	-	-	-
	12	-	-	-
	18	-	0.9	3.2
12	03	-	-	-
	09	-	2.1	3.2
	15	(1)	3.2	3.6
	21	(1)	3.3	3.4

International Seismological Centre From the ISC collection scanned by SISMOS

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
[illegible]	[illegible] HOWRAH			
[illegible]	01	(1)	5.0	3.2
	02	(1)	4.9	3.1
	03	(1)	5.3	3.1
	05	(1)	6.0	3.1
	07	(1)	5.9	3.1
	08	(1)	5.8	3.1
	10	(1)	5.[illegible]	3.1
	11	(1)	4.7	3.0
	12 to 23		No records	
14	01	-	3.5	3.0
	02	-	3.6	3.0
	03	-	-	-
	04	-	3.4	2.9
	05	-	3.6	3.0
	07	-	3.6	2.9
	08	-	3.5	3.0
	10	-	2.9	3.1
	11	-	2.8	3.1
	13	-	2.3	3.0
	14	-	2.2	2.9
	15	-	1.9	2.8
	17	-	2.9	2.9
	19	-	1.9	3.0
	20	-	1.8	2.9
	21	-	1.7	3.0
	22	-	1.5	3.0
	23	-	1.6	3.1
15	00	-	1.5	3.1
	06	-	1.5	2.8
	12	-	1.7	3.3
	18	-	1.9	3.1

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
			September 1958	
15	00	-	2.0	3.2
	06	-	1.5	3.0
	12	-	-	-
	18	-	0.9	2.7
17	00	-	0.9	2.8
	06	-	1.1	2.9
	12	-	-	-
	18	-	1.2	3.0
18	00	-	0.8	2.9
	06	-	-	-
	12	-	-	-
	18	-	-	-
19	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
20	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	-	-
21	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.7	2.8
22	00	-	0.7	2.8
	06	-	-	-
	12	-	-	-

DATE	HOUR GMT	K	MEAN Amplitude (Micron)	MEAN Period in secs
			Component: Vertical	
22	18	-	0.8	2.9
Contd.				
23	00	-	0.8	2.9
	06	-	-	-
	12	-	-	-
	18	-	0.9	3.2
24	00	-	0.8	2.9
	06	-	-	-
	12	-	-	-
	18	-	-	-
25 to 27			No records.	
28	00	-	-	-
	06	-	-	-
	12	-	-	-
	18	-	0.8	2.9
29	00	-	1.1	3.2
	06	-	-	-
	12	-	2.0	3.1
	18	-	1.8	3.1
30	00	(3)	3.1	3.1
			2.9	2.4
	06	-	1.7	3.0
	12	-	1.5	2.9
	18	-	1.4	2.8