INDIA

Sept. 1964

SEISMOLOGICAL BULLETIN

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

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

List of Seismograph Stations with their Instruments and Constants :

Station	Latitude °N	Longitude °E	Height (a.s.l.) (Metres)	Lithographic foundation	Instrument	Component	Period in secs	Static magnification	Damping ratio	Paper speed mm/min
Bokaro	23.47	85.53		Rock	Press-Ewing	Z	To=15 Tg=100			15
					-do-	N-S	To=15 Tg=100			15
					-do-	E-W	To=15 Tg=.94			15
					Sprengnether	E-W	To=Tg=3.3	5000	Critical	30
					Wood-Anderson	N-S	0.8 sec	940	Critical	30
					-do-	E-W	0.8 sec	950	-do-	30
Bombay	18.54	72.49		Deccan Trap	Milne-Shaw	N	12	250	20:1	8
					-do-	E	12	250	20:1	8
					Sprengnether	E	7.3	5000	Critical	30
					Benioff	Z				30 for Galvameter 60 for
Calcutta	22.32	88.20	(1) 7 Milne-Shaw (2) 6 Omori Ewing	Alluvium	Milne-Shaw	E	12.0	250	20:1	8
					Omori-Ewing	E	19.0	30		25.4
					-do-	N	16.0	32		25.4
					Sprengnether	N	To=Tg=7.0	1000	Critical	30
Chatra	26.50	87.10	161	Sand Stone	Benioff	Z	To=0.72 Tg=0.45			60
					Wood Anderson	N	0.8	1000	20:1	30
					-do-	E	0.8	1000	20:1	30
					Milne-Shaw	N	12.0	250	20:1	16
					-do-	E	12.0	250	20:1	16
					Wanner Accelerograph	Z,N,E	To=0.1 sec	50	10:1	600
Delhi	28.41	77.12	207	Massive Quartzite	Sprengnether	E	To=Tg=7.6	5000	Critical	30
					Wood Anderson	E	To=0.8	1000	-do-	30
					-do-	N	To=0.8	1000	-do-	30
					Milne-Shaw	N	To=12.0	250	20:1	8
					Benioff (S.P.)	Z	To=1.0 Tg=0.76	50000 for TE=1 sec	Critical -do-	60
					-do-	N	To=1.0 Tg=0.76	50000	-do-	60
					-do-	E	To=1.0 Tg=0.77	50000	-do-	60
					Sprengnether (LP)	Z	To=15 Tg=100	1500 for TE=15 sec	-do-	15
					-do-	N	-do- -do-	1500	-do-	15
					-do-	E	-do- -do-	1500	-do-	15
Dehra Dun	30.19	78.03	682	Gravel	Wilson-Lemison	Z	To=Tg=1.3			60
					Wood-Anderson	N	To=0.8	970	Critical	30
					-do-	E	To=0.8	1000	-do-	30
					Milne-Shaw	N	To=12.0	250	20:1	8
					Sprengnether	Z	To=15 Tg=100	1500 for TE=15 sec	Critical	30
Goa	15.29	73.49		Laterite	Sprengnether	Z	To=Tg=1.5		Critical	30
					-do-	E	To=Tg=1.4	5000	-do-	30
					-do-	N	To=Tg=1.5	5000	-do-	30
Hyderabad	17.26	78.27	536	Granite	Milne-Shaw	E	To=12	243.5	20:1	8
					-do-	N	To=12	250.2	20:1	8
Kodaikanal	10.14	77.28	2345	Rock	Benioff(S.P)	Z	To=1.0 Tg=0.75	100000 for TE=1 sec	Critical -do-	60
					-do-	N	To=1.0 Tg=0.75	100000	-do-	60
					-do-	E	To=1.0 Tg=0.75	100000	-do-	60
					Sprengnether (LP)	Z	To=15.0 Tg=100	1500 for TE=15 sec	Critical -do-	30
					-do-	N	-do- -do-	1500	-do-	30
					-do-	E	-do- -do-	1500	-do-	30
					Milne-Shaw	E-W	To=12.0	250	20:1	8
Madras	13.00	80.11	15	-	Sprengnether	Z	To=Tg=7.5		Critical	30
Poona	18.32	75.51	560	Deccan Trap	Benioff(S.P)	Z	To=1.0 Tg=0.75	50000 for TE=1 sec	Critical -do-	60
					-do-	N	-do- -do-	50000	-do-	60
					-do-	E	-do- -do-	50000	-do-	60
					Sprengnether(LP)	Z	To=15.0 Tg=100	3000 for TE=15 sec	Critical -do-	15
					-do-	N	-do- -do-	1500	-do-	15
					-do-	E	-do- -do-	1500	-do-	15
Port Blair	11.40	92.43		-	Milne-Shaw	Z	12.0	250	20:1	8
					Wood-Anderson	N	2.0	890	30:1	30
					-do-	E	0.8	810	70:1	30
					Benioff	Z	To=1.0 Tg=1.6			30
Sehore	23.10	77.05		-	Wood-Anderson	N	0.8	860	Critical	30
					-do-	E	0.8	950	-do-	30
Shillong	25.34	91.53	1600	Quartzite Sand Stone (Shillong Quartzite)	Benioff(S.P)	Z	To=1.0 Tg=0.75	200000 for TE=1 sec	Critical -do-	60
					-do-	N	-do- -do-	200000	-do-	60
					-do-	E	-do- -do-	200000	-do-	60
					Press-Ewing(LP)	Z	To=15 Tg=100	3000 for TE=15 sec	-do-	30
					-do-	N	-do- -do-	3000	-do-	30
					-do-	E	-do- -do-	3000	-do-	30
					Sprengnether	E	To=5.7 Tg=6.7	3600	Critical	30
					Milne-Shaw	N	To=12.0	250	20:1	8
					Wanner Accelerograph	Z,N,E	To=0.1	Nearly 50	10:1	600
Tocklai	26.45	94.46		Alluvium	Wood-Anderson	E-W	0.8	1000	Critical	60
Visakhapatnam	17.43	83.18		-	Sprengnether	E	To=Tg=7.0	5000	Critical	30
					Wood-Anderson	E	To=2.0	960	-do-	30
					-do-	N	To=0.8	960	-do-	30
					Electromagnetic(SP)	Z	To=Tg=1.65	6000	-do-	60

DATE	STN	PHASE	H.	M.	S.	△ KM

September, 1964.

01 NDI iP 07 29 20 RSW 580

01 Epc:- 27.2°N 92.3°E in India-China border region. h about 33 km (USCGS). -H= 13h 22m 36.6 s.Mag.5.7(CGS)

Epc:- 27.0°N 92.0°E in Bhutan. -H=13h 22m 36s (CSO Shillong).

SHL	iP	13	23	02	RN	
	Sg/Sn		23	22		
CHA	iP	13	23	47	R	470
	PPP		24	09		
	iS		24	37		
	SS		24	47		
CAL	eP	13	24	03		640
	iS		25	11		
VIS	iP	13	25	34	R	
DDI	eP	13	25	36		1360
	PP		25	45		
	PPP		25	53		
	LQ		27	47		
	iS		27	54		
	SS		28	09		
	SSS/LR		28	20		
	M		29	17		
NDI	iP / eP	13	25	43	E	1400
	iS		28	06		
	M		30	00		
	Mn		32			
SEH	iP	13	25	49		1520
	PP		25	57		
	PPP		26	07		
	LQ		28	18		
	iS		28	23		
	SS		28	41		
	LR		29	03		
	M		29	57		
PBA	iP	13	26	11	C	1665
	iS		28	59		
	SS		29	13		
MDR	eP	13	26	45		2050
	PP		27	01		
	PPP		27	11		
	eS		30	08		
	LQ		30	10		
	SS		30	31		
	SSS		30	45		
	LR		31	02		
	M		32	30		

01	GOA	iP	13	26	56.3	2030
		iS		30	18.3	
		SS		30	34.3	
		SSS		30	47.3	
		ScR		31	1.3	
		PcP		32	0.3	
		M		32	16.3	
		PeS		35	16.3	
		ScS		39	8.3	
	BOM	iP	13	27	07	2080
		PP			20	
		PPP			31	
		e		28	46	
		iS		30	34	
		LQ			39	
		SS		31	00	
		LR			40	
01	SHL	iP	13	45	39	160
		Sg/Sn		45	59	
01	SHL	iP	13	50	16	160
		Sg/Sn		50	36	
01	SHL	iP	13	54	11	160
		Sg/Sn		54	21	
	CHA	iP	13	55	09	400
		eS		55	53	
01	SHL	iP	14	07	28	160
		Pg		07	30	
		Sg/Sn		07	48	
	SHL	iP	14	08	22	160
		Pg		08	24	
		Sg/Sn		08	42	
01	SHL	iP	14	12	33	160
		Pg		12	35	
		Sg/Sn		12	53	
01	SHL	iP	14	25	55	160
		Pg		25	57	
		Sg/Sn		26	15	
01	SHL	iSg	14	28	32	
01	SHL	iP	14	30	21	160
		Pg		30	22	
		Sg/Sn		30	41	
01	SHL	iPg	14	51	53	20
		Sg		51	55	
01	SHL	iP	14	53	19	160
		Sg/Sn		53	39	

DATE	STN	PHASE	H.	M.	S.		△ KM
				September, 1964.			
01	SHL	iP	15	01	51		160
		Pg		01	53		
		Sg/Sn		02	11		
01	SHL	iP	15	48	52		160
		Pg		48	54		
		Sg/Sn		49	12		
	CHA	iP	15	49	53	C	480
		iS		50	44		
01	SHL	iPg	15	57	46		20
		Sg		57	48		
01	SHL	iP	16	50	02		150
				50	21		
01	SHL	iP	17	09	22		160
		Pg		09	23		
		Sg/Sn		09	42		
01	SHL	iP	17	28	20		
	CHA	iP	17	28	33	R	
	NDI	eP	17	28	52	RSW	
01	SHL	iP	17	51	07		160
		Pg		51	08		
		Sg/Sn		51	27		
01	SHL	iP	18	06	53		160
		Sg/Sn		07	13		
01	CHA	iP	18	39	27	R	600
		iS		40	30		
	SHL	eP	18	40	10		
01	SHL	iP	19	40	05		160
		Pg		40	07		
		Sg/Sn		40	25		
01	CHA	i	19	42	01		
01	SHL	iP	21	05	48		160
		Pg		05	49		
		Sg/Sn		06	08		
01	NDI	eP	21	19	24		1370
		eS		21	43		
01	SHL	iP	22	25	03		
01	CHA	i	22	25	37		
01	SHL	iP	22	44	54		
02	SHL	iPg	17	18	57	C	110
		P		18	58		
		Sg		19	10		
02	NDI	iP	20	34	34	CE	
02	SHL	iP	23	20	29		
	CHA	iP	23	20	54		
		i		21	46		
03	CHA	iP	01	30	04		120
		iSg		30	18		
03	NDI	iP	01	33	32	RE	
03	CHA	iP	03	53	01		110
		iS		53	16		
03	SHL	iP	04	05	52	RN	160
		Pg		05	53		
		Sg/Sn		06	12		
	CHA	i	04	06	37		410
		iP		06	49		
		eS		07	34		
03	PBA	e	07	40	34		
03	NDI	iPn	08	43	19	CNW	200
		iPg		43	23		
		iSn		43	43		
03	SHL	iP	10	05	17		160
		Sg/Sn		05	37		
	CHA	eP	10	06	02		
		i		06	14		
		i		06	39		
03	SHL	iP	10	56	32		160
		Sg/Sn		56	52		
03	CHA	eP	10	57	31		
		eS		58	14		
		i		58	38		
03	CHA	e	11	43	23		
03	NDI	iP	20	31	02	N	1000
		iS		32	45		
04	NDI	iPg	03	03	00.8	CSW	40
		iSg		03	05.8		
04	DDI	e	03	03	47		
04	NDI	eP	09	56	31	C	
04	Epc:- 4.0°S 131.4°E West New Guinea region. h about 33 km. -H=10h 34m 13.1s(USCGS). Mag: 5½-5¾(Brk),5.9 (CGS).						

DATE	STN	PHASE	H.	M.	S.		△ KM
				September, 1964.			
04	PBA	iP	10	41	58	C	4600
		PP		43	45		
		PPP		44	07		
		eS		48	14		
		SSS		51	40		
		LR		53	03		
		M		56	44		
	SHL	iP	10	42	55	CNW	5280
		PP		44	43		
		PPP		45	30		
		PcS/ScP		48	14		
		S		49	50		
		SS		53	21		
		LR		56	04		
		M		59	06		
	CAL	eP	10	43	07		
	VIS	iP	10	43	26	RW	5740
		iS		50	47		
	MDR	iP	10	43	33	E	5950
		~~i~~		~~43~~	~~44~~		
		PP		45	38		
		PPP		46	47		
		iS		51	05		
		PS		51	11		
		PPS		51	19		
		i		51	26		
		e		52	28		
		ScS		53	19		
		SS		54	56		
		SSS/LQ		56	40		
		LR		59	12		
		M	11	03	41		
	NDI	iP	10	44	26	CNW	6740
		PcP		44	45		
		iS		52	42		
		PS		52	53		
		PPS		53	13		
		ScS		54	28		
		SS		56	48		
		i		58	04		
		LQ	11	00	42		
		M		07	08		
	DDI	eP	10	44	27		6800
		iS		52	46		
	BOM	iP	10	44	30		6810
		~~e~~		~~41~~			
		PP		46	49		
		PPP		48	17		
		eS		52	50		
		PS		53	07		
		PPS			13		
		SKS		54	13		
		e			36		
		SSS		59	37		
04	NDI	iPn	12	15	55	RNW	120
		iSn		16	13		
04	SHL	iP	14	54	06	R	160
		Pg		54	07		
		Sg/Sn		54	26		
04	PBA	eP	16	40	20		335
		PP		40	26		
		i		40	37		
		LQ		40	43		
		eS		40	57		
		SS		40	58		
		SSS		41	16		
04	NDI	iP	17	20	41	CSW	
04	NDI	iPg	19	46	05	CSE	50
		iSg		46	11		
05	Epc:- 5.8°S 154.0°E in Solomon Islands. h about 69 km (USCGS). -H= 02h 53m 50.6s.Mag.6.4(CGS).						
	Epc:- 5.0°S 153.0°E in Solomon Islands region. -H= 02h 53m 48s (CSO Shillong).						
	PBA	eP	03	04	17		7000
		~~i~~		~~07~~	~~09~~		
		PPP		08	05		
		iS		12	47		
		SS		16	34		
		LR		30	08		
	SHL	iP	03	04	46	C	7470
		PcP		05	16		
		PP		06	57		
		PcP/ScP		09	21		
		iS		13	40		
		SS		17	43		
		ScS		19	09		
		LQ		21	06		
		LR		24	52		
		M		27	30		
	CAL	iP	03	05	03		7770
		iS		14	12		
	GOA	i	03	05	09	E	
		i		15	22		
	CHA	iP	03	05	13	CW	8000
		PP		07	55		
		PPP		08	37		
		iS		14	37		
		PS		15	05		
		SS		19	16		
	BOK	iP	03	05	15	N	8030
		iS		14	38		

DATE	STN	PHASE	H.	M.	S.	△ KM

September, 1964.

05 BOK PPS 03 15 12
ScS 15 36
LR 26 50

VIS iP 03 05 20 CW 8155
iS 14 50
iSKS 15 03
iPS 15 22
iPPS 15 39

MDR iP 03 05 32 E 8360
PcP 05 43
~~e 06 08~~
PP 08 24
PPP 10 10
iS 15 11
ScS/PS 15 44
PPS 16 04
SS 20 03
SSS 23 17
LQ 25 14
LR 28 54
M 35 00

KOD iP 03 05 47 E 8610
iS 15 38

SEH eP 03 05 57 8635
iS 15 49

DDI iP 03 05 59 W 8935
~~eP 05 59~~
iS 16 05

DDI ScS 03 16 20
PS 16 57
SS 21 32
PKKP1 23 49
LQ 28 23

BOM iP 03 06 12 9220

05 NDI iPg 04 59 24.7 CSE 40
iSg 59 29.2

05 SHL eP 06 39 05

NDI iP 06 41 46 C

05 SHL eP 07 53 15 2040
S 56 38

05 SHL iP 23 00 09

06 NDI i 00 39 26

06 SHL iP 00 57 03

06 SHL iP 08 01 46 C

06 SHL eP 11 26 20

06 Epc:- 10.0°N 140.2°E in West Caroline Islands.
h about 33 km (USCGS).
-H= 18h 41m 01.8s.Mag.5.1(CGS).

SHL iP 18 49 42 RE 5370
iPP 51 34
iS 56 42

BOM iP 18 50 16 C

VIS iP 18 50 39 E 6230
eS 58 29

MDR eP 18 51 01 6445
~~e 51 30~~
PPP 54 34
eS 59 01

NDI eP 18 51 18 NW 6810
iS 59 38

06 Epc:- 7.1°N 93.7°E in Nicobar Islands region. h about 46 km.
-H=18h 57m 20.4s(USCGS).
Mag. 5.2 (CGS).

PBA iP 18 58 33 R 535
~~i 58 39~~
PP 58 46
~~i 58 49~~
eS 59 18
iS 59 31
i 59 49

VIS eP 19 00 47 W 1600
~~iP 00 47~~
iS 03 28

MDR eP 19 00 44 1480
PP 00 54
PPP 01 03
~~LQ 03 07~~
eS 03 14
SS 03 28
SSS 03 37
LR 03 43
M 04 49

SHL iP 19 01 32 RSE
i 05 48

CHA iP 19 01 58 R 300
i 02 41

NDI iP 19 02 56 NW 3410
i 07 59

06 SHL iP 20 44 20

06 CHA iP 20 44 49 R 90
iSg 44 57

DATE	STN	PHASE	H.	M.	S.	△ KM

September, 1964.

07 SHL iP 04 03 13 R

07 NDI iP 04 04 07

07 Epc:- 15.7°N 53.3°E in Arabian Sea. h about 33 km.
-H=11h 27m 15s (USCGS).
Mag: 4.6 (CGS).

MDR eP? 11 32 41 2850
PPP 33 34
eSi 37 07
LQ 38 00
e 39 30
M 41 00

VIS eP 11 33 16 3190
eS 38 05

SHL eP 11 34 17 4110
PPP 35 52
i 39 34
S 40 03
M 45 04

07 NDI iP 15 54 23 CSE 990
~~i 54 25~~
iS 56 05
~~i 56 08~~

CHA eP 15 55 54
~~e 58 42~~

SHL iP 15 56 39 C

07 SHL iP 17 42 35 R 160
Pg 42 37
Sg/Sn 42 55

08 CHA i 05 08 24

SHL iP 05 09 02 R 310
P* 09 07
Sg 09 48

08 NDI i 05 11 51 RNW

08 SHL iP 08 02 00 C

CHA i 08 02 37

08 NDI iP 08 03 43 RNW

08 NDI i 09 10 55

08 NDI iP 10 56 23 CS

08 SHL iP/Pg 11 54 14 C 140
Sg 54 31

08 NDI i 11 59 44

08 NDI iP 11 59 47 CSW

08 SHL iP 12 40 26 C

08 NDI i 12 58 41

08 NDI iP 13 34 58 CSW

08 NDI i 13 42 07

08 SHL iP 13 48 07 C

NDI eP 13 49 33 CNW

08 SHL iP 20 30 09

09 CHA i 05 00 58

09 SHL iP 05 01 24 C

09 SHL iP 06 14 45 R

CHA e 06 15 18

NDI iP 06 16 14 CW

09 NDI eP 06 49 44

NDI iP 07 49 02 RW

09 NDI iP 08 29 06 CSW

09 SHL eP 10 02 44

09 NDI i 13 42 34

09 NDI ePg 15 11 57 90
eSg 12 08

09 NDI i 17 19 11

09 SHL iP 19 00 35 R 160
Pg 00 36
Sg/Sn 00 55

09 CHA i 21 40 56

09 SHL iP 22 27 16 R

09 SHL iP 23 57 20 C

CHA e 23 57 38

10 SHL eP 01 16 13 170
Sg 16 35

10 SHL iP 05 23 33 C 230
Sg 24 05

DATE	STN	PHASE	H.	M.	S.		△ KM
				September, 1964.			
10	CHA	ePg	08	21	52		70
		i		21	56		
		iSg		22	00		
		i		22	05		
10	SHL	iP	08	28	21	R	160
		Sg/Sn		28	41		
10	CHA	i	10	25	35		
10	NDI	iPg	17	07	50.8	CSE	40
10	NDI	iP	17	56	55	C	
10	VIS	eP	18	19	40		623
		iS		20	46		
	MDR	eP	18	19	48		120
		e		19	53		
		e		19	55		
		Sg		20	02		
10	NDI	eP	18	24	15		
10	SHL	iP	22	51	11	R	160
		Pg		51	12		
		Sg/Sn		51	31		
	SHL	iP	23	57	52	R	160
		Sg/Sn		58	12		
11	NDI	iP	04	43	16	CNE	
		i		43	18		
	VIS	iP	04	43	25	R	
11	SHL	iP	04	43	34	R	
11	DDI	eP	04	52	27		
		i		52	58		
11	NDI	iP	04	52	47		
		iS		53	37		
11	CHA	eP	04	53	38		
		i		55	04		
11	DDI	e	07	00	28		
11	CHA	iPg	07	46	37	C	140
		iSg		46	54		
11	NDI	iPg	14	29	02	CSE	40
		iSg		29	06		
11	SHL	iP	16	40	33	C	
11	CHA	iP	16	41	36	R	
		i		42	41		
11	CHA	iPg	18	54	21	C	120
		iSg		54	35		
11	SHL	iP	20	11	20		
11	SHL	eP	20	20	18		460
		Pg		20	38		
		S		21	08		
		S*		21	25		
11	SHL	iPg	20	50	18	R	70
		Sg		50	25		
12	NDI	iPg	02	25	53.5	CSE	70
		iSg		26	01.5		
12	NDI	iP	07	02	52	R	
12	SHL	iP	09	08	54		160
		Sn/Sg		09	14		
12	NDI	iPg	12	15	40.5	N	40
12	Epc:- 4.4°S 144.0°E near coast of New Guinea. h about 120 km. -H=12h 43m 19.0s (USCGS). Mag: 6½(Pas),6¼-6½(Brk),6.3(CGS)						
12	SHL	iP	12	53	06	CW	6410
		i		53	51		
		i		53	57		
		eS	13	01	04		
	CHA	eP	12	53	37		
		i	13	02	03		
		i		02	48		
	MDR	iP	12	54	22	E	7500
		e		54	51		
		i	13	02	54		
		eS		03	18		
		e		03	40		
	NDI	iP	12	54	31	C	7810
		PcP		54	57		
		iS	13	03	43		
		ScS		04	24		
		SS		08	18		
		m		12	40		
	DDI	eP	12	54	59		
		i	13	03	42		
		i		04	26		
12	SHL	eP	13	22	21		
12	SHL	iP	15	31	51	C	
12	SHL	iP	20	34	45	CSW	
	NDI	iP	20	35	46	CSW	
12	SHL	eP	21	11	38		290
		P*		11	41		
		Pg		11	46		

DATE	STN	PHASE	H.	M.	S.		△ KM
				September, 1964.			
12	SHL	iS	21	12	11		
		Sg		12	21		
12	Epc:- 49.1°S 164.2°E in Auckland Islands region. h about 33 km. -H= 22h 07m 03.2.s. Mag: 7½(Brk),6.9(CGS),7½(Pas)						
	PBA	iP	22	19	48	CW	9470
		eS		30	19		
		PS		31	11		
		PPS		31	41		
		SS		36	04		
		SSS		39	19		
		LQ		43	07		
		LR		47	07		
		M		54	30		
	MDR	eP	22	20	31		10630
		PP		24	25		
		PPP		26	28		
		SKS		31	08		
		SKKS		31	21		
		eS		31	46		
		PS		33	12		
		PPS		33	45		
		SS		38	18		
		SSS		42	07		
		LQ		47	12		
		LR		51	44		
	SHL	iP	22	20	38	CNW	10900
		PP		24	41		
		PPP		26	44		
		iS		32	03		
		PS		33	31		
		PPS		34	16		
		i		36	12		
		SS		38	46		
		M	23	00	42		
12	CHA	eP	22	21	02		
		PP		25	11		
		e		27	56		
	BOM	eP	22	21	1[illegible]		
		e		25	51		
	NDI	iP	22	21	26	CNW	12000
				24	43		
		PP		25	54		
		PPP		28	11		
		PS		35	23		
		PPS		36	20		
		SS		41	18		
		SSS		48	14		
	DDI	eP	22	21	32		
		PP		26	02		
		PS		35	36		
12	KOD	i	22	33	05		
		i		33	35		
13	NDI	iP	09	55	24	CS	990
		iS		57	06		
	SHL	iP	09	57	42	C	
13	SHL	eP	16	28	12		
13	NDI	eP	16	31	03	CNW	
13	SHL	eP	17	16	55		
		i		17	14		
		i		17	22		
13	SHL	eP	21	21	43		150
		Pg		21	45		
		Sg/Sn		22	03		
	CHA	iP	21	22	10		230
		iS		22	34		
13	NDI	eP	23	12	45	C	
14	SHL	iP/Pg	06	04	07		130
14	NDI	i	07	51	10		
14	CHA	e	10	29	57		
14	NDI	iP	10	30	10	CNE	
14	NDI	iP	12	34	28	CSW	
14	SHL	iP	13	03	54	R	
	CHA	iP	13	04	24	C	
14	NDI	iP	13	05	18	CNW	
14	NDI	iP	13	52	48	C	
14	NDI	eP	14	32	50	C	
14	NDI	eP	15	25	28	C	
	DDI	e	15	25	41		
	SHL	eP	15	27	35		
14	SHL	iP	16	27	05		210
		Pg		27	08		
		S		27	28		
		Sg		27	34		
14	CHA	eP	17	22	01		230
		iSg		22	34		
	SHL	iP	17	22	57	CE	710
		PP		23	04		
		iS		24	11		

September, 1964.

DATE	STN	PHASE	H.	M.	S.		△ KM
14	NDI	eP	17	23	06		600
		iS		24	09		
	DDI	e			S 17	24	47
14	SHL	iP	20	49	23	C	
14	NDI	iP	20	50	24	CSW	
15	NDI	eP	00	05	37	R	
15	NDI	i	00	47	05		
15	VIS	iP	01	29	13		1309
		iS		31	27		
15	SHL	iP	05	45	24	C	4120
		S		51	11		
15	VIS	eP	05	45	58	R	
	CHA	iP	05	46	00	R	
		i		47	41		
15	NDI	iP	05	47	03	RNE	5890
		eS		54	32		
15	MDR	e	05	52	50		
		e		56	37		
		e	06	05	45		
15	SHL	eP	06	15	21		
		i		15	36		
		i		16	29		
15	CHA	e	06	17	17		
15	NDI	iPg	09	17	41.5	CSE	30
		iSg		17	45.5		

15 Epc:- 8.9°N 93.1°E in Nicobar Islands region.
h about 37 km (USCGS).
-H= 15h 29m 32.2s.
Mag: 5½(Pal), 6.2 (CGS).

Epc:- 9.0°N 95.0°E in Andaman Islands region.
-H=15h 29m 40s (CSO Shillong).

PBA	iP	15	30	20	RSW	
	i		30	25		
VIS	iP	15	32	39		1368
	iS		34	58		
MDR	iP	15	32	44	E	1430
	e		34	55		
	e		35	04		
	e		36	30		

DATE	STN	PHASE	H.	M.	S.		△ KM
15	CAL	iP	15	33	00		1610
		e		35	29		
		eS		35	42		
	KOD	iP	15	33	13	W	1670
		PPP		33	29		
		iS		36	01		
		LR		36	40		
		M		37	52		
	SHL	iP	15	33	24	RSW	1740
		PP		33	36		
		PPP		33	44		
		i		33	54		
		iS		36	19		
	TOC	eP	15	33	45		
	CHA	iP	15	33	54	C	2200
		i		34	04		
		sP		35	00		
		iS		37	19		
		i?		37	30		
		i		37	50		
	SEH	iP	15	34	13		2335
		i		34	18		
		PP		34	33		
		PPP		34	43		
		i		35	32		
		LR		37	50		
		iS		37	58		
		i		38	55		
	BOM	i	15	34	29		2335
		PP		34	48		
		PPP		35	06		
		iS		38	19		
		LQ		38	34		
		SS		38	51		
		SSS		39	22		
		LR		39	34		
	NDI	iP	15	34	54	CNW	2780
		i		35	18		
		PP		35	38		
		PPP		36	38		
		iS		39	08		
		PcP		39	24		
		SS		40	08		
		SSS		40	36		
		i		41	28		
	DDI	iP	15	35	03	NW	2745
		PP		35	44		
		PPP		35	56		
		PcP		38	31		
		iS		39	23		
		LQ		40	13		
		SS		40	33		

September, 1964.

DATE	STN	PHASE	H.	M.	S.		△ KM
15	DDI	SSS	15	40	47		
		LR		41	28		
		PcS		42	00		
		M		43	38		
15	CHA	ePg	16	46	03		50
		iSg		46	07		
15	SHL	iP	18	47	28	C	
15	SHL	iP	19	21	48	CNW	250
		S		22	17		
15	CHA	eP	22	24	21		

16 Epc:- 10.9°N 93.1°E in Andaman Islands region. h about 47 km.
-H= 01h 26m 26.9s (USCGS).
Mag: 5.7 (CGS) .

Epc:- 11.0°N 94.0°E in Andaman Islands region.
-H= 01h 26m 20s (CSO Shillong).

PBA	iP	01	26	44	CNE	
MDR	iP	01	29	24	E	1370
	PP		29	34		
	PPP		29	41		
	e		31	21		
	iS?		31	43		
	SS		31	58		
	LR		32	24		
	M		33	26		
CAL	iP	01	29	40		1500
	iS		32	12		
	M		33	02		
SHL	eP	01	29	51		1630
	PP		30	06		
	PPP		30	13		
	S		32	36		
	SS		32	50		
	SSS		33	00		
	LR		33	38		
	M		34	09		
KOD	e	01	30	00		
CHA	eP	01	30	23		
SEH	iP	01	30	48		
BOM	iP	01	31	10		2400
	PP		31	25		
	eS		35	05		
	LQ		35	18		
	SS		35	33		
	LR		36	12		
NDI	iP	01	31	32	CNW	2600
	PP		32	20		
	iS		35	42		
	i		36	10		
	i		37	30		
DDI	iP	01	31	39	NW	2680
	PP		32	15		
	PPP		32	28		
	PcP		35	13		
	iS		35	55		
	LQ		36	40		
	SS		36	59		
	SSS		37	14		
	LR		37	47		
	PcS		38	37		
	M		39	52		
16	PBA	i	01	54	56		
		i		55	03		
16	NDI	iP	02	03	05	CNE	
16	PBA	e	04	03	25		
16	PBA	e	04	10	03		
		i		10	14		
16	SHL	eP	05	30	46		
	CHA	e	05	31	10		
16	NDI	iPg	06	03	46.9	RN	30
				03	51.1		
16	CHA	iP	10	12	06	C	190
		iSg		12	29		
16	NDI	iP	10	32	30	CSW	
16	NDI	i	13	15	31		
16	NDI	iP	13	39	45	RSW	
16	PBA	e	14	37	23		
		i		37	29		
16	SHL	iP	15	27	25	C	330
		Pg		27	34		
		S		28	02		
16	NDI	iP	17	25	50	CN	
16	NDI	i	20	29	06		
16	NDI	i	20	29	11		
16	NDI	eP	22	39	09		630
		eS		40	16		
	DDI	eP	22	39	09		

DATE	STN	PHASE	H.	M.	S.	△ KM
September, 1964.						
16	CHA	eP	22	40	29	
16	SHL	iP	22	48	49	C 390
		S		49	32	
16	CHA	ePg	23	59	12	60
		eSg		59	19	
17	CHA	eP	03	40	27	
17	NDI	iPg	05	27	57.3	CSE 80
		eP*		27	58.1	
		iSg		28	06.4	
		eS*		28	08.0	
17	CHA	iPg	07	33	31	C 140
		iSg		33	48	
17	NDI	eP	08	00	47.5	R
		e		00	51.3	
		i		00	56.2	
		i		01	20.5	
		i		01	26.0	
17	NDI	iP	15	14	22	C
		i		14	29	
17	CHA	e	15	14	59	
17	SHL	iP	15	15	15	C
17	CHA	iP	17	39	01	C 380
		iS		39	43	
17	CHA	iPg	18	16	16	40
		iSg		16	21	
17	NDI	iPg	19	30	29.6	CSE 80
		P*		30	30.4	
		iSg		30	38.7	
		S*		30	40.3	
17	NDI	eP	19	41	16	990
		eS		42	58	
18	CHA	eP	00	17	37	
18	SHL	iP	00	18	08	C
18	NDI	eP	02	16	29	RW
18	CHA	iPg	02	17	10	C 100
				17	22	
18	NDI	iP	07	43	23	CS 990
		iS		45	05	
18	CHA	eP	07	44	44	
		i		47	36	
18	SHL	iP	07	45	28	R
18	CHA	iPg	08	27	15	R 150
		iSg		27	33	
18	SHL	iP	13	12	31	C
	CHA	eP	13	12	58	
18	NDI	iP	13	13	51	CNE
18	NDI	iP	13	25	12	C
18	SHL	iP	13	26	06	R
18	PBA	e	19	29	56	
		i		30	14	
18	NDI	iPg	21	20	04.0	CSW 30
		iSg		20	07.9	
19	NDI	iP	00	41	27	RNW 990
		iS		43	09	
	SHL	iP	00	43	43	R
19	NDI	eP	05	27	31	C
19	NDI	iP	05	50	15	CSE
		i		50	16	
	NDI	iP	05	51	55	
19	CHA	i	11	02	15	
19	NDI	i	11	04	40	
19	CHA	ePg	18	02	47	110
		eSg		03	00	
19	PBA	e	20	54	42	
		i		54	50	
20	SHL	eP	04	53	11	
	CHA	e	04	53	20	
20	NDI	eP	10	44	01	

20 Epc:- 30.0°N 138.1°E in south of Honshu,Japan. h about 454 km. -H=14h 36m 05.3s (USCGS). Mag: 4.9 (CGS).

SHL	iP	14	43	09	RNE	3960
	i		44	51		
	i		48	03		
	iS		48	45		
	i		52	17		
CHA	iP	14	43	40	R	4330
	i		45	12		
	iS		49	40		

DATE	STN	PHASE	H.	M.	S.	△ KM
September, 1964.						
20	NDI	iP	14	44	37	CNE
		i		45	39	
		i		48	50	
20	DDI	eP	14	51	14	
	NDI	iP	14	51	28	RNE
20	CHA	iP	16	54	30	290
		P*		54	34	
		iS		55	07	
20	SHL	eP	16	54	37	440
		S		55	25	
20	PBA	iPg	19	49	26	C 65
		iSg		49	34	
20	SHL	iP	20	02	47	R
20	SHL	iP	20	48	53	R
	CHA	i	20	49	33	
21	NDI	iP	03	18	09	CSW
21	NDI	eP	03	19	46	
21	SHL	iP	04	35	52	R
21	NDI	iP	04	40	45	RE
21	SHL	iP	05	46	24	CNW
	CHA	iP	05	46	58	R
	NDI	eP	05	47	53	C
		i		47	54	
21	NDI	eP	08	40	41	
21	CHA	e	11	57	51	
21	SHL	iP	12	14	22	R
21	SHL	iP	15	02	54	
21	SHL	iP	17	11	09	C
21	SHL	iPg	19	14	22	20
		Sg		14	24	
22	CHA	eP	08	20	09	240
		eS		20	37	
22	SHL	iP	08	21	04	C
	NDI	eP	08	21	05	680
		iS		22	16	
22	VIS	eP	08	24	11	345
		eS		24	49	
22	SHL	iP	09	16	14	C
	NDI	iP	09	17	18	C
22	NDI	iP	09	24	57	R
22	NDI	ePn	12	29	55	C 360
		P*		30	02	
		Pg		30	07	
		iSn		30	34	
		S*		30	41	
		Sg		30	46	
22	SHL	iP	12	31	26	R
22	SHL	iP	19	14	50	190
		Sg		15	14	
22	SHL	iP	19	52	02	
22	SHL	iP	20	55	27	R 160
		Sg/Sn		55	47	
23	SHL	iP	00	09	18	RSE
23	NDI	ePn	00	37	31	965
		eSn		39	11	
23	NDI	eP	01	26	31	
23	SHL	iP	05	11	42	C
	CHA	iP	05	11	52	C
	NDI	iP	05	12	09	CSW
	VIS	iP	05	12	42	9935
		iS		23	30	
23	SHL	iP	06	30	55	
23	NDI	eP	06	31	20	C
23	NDI	eP	09	31	55	
23	NDI	eP	11	54	15	CS
		i		54	17	
23	NDI	i	13	53	40	
23	SHL	iP	14	57	55	C
23	SHL	iP	15	00	20	C
23	SHL	iP	17	25	22	
23	NDI	eP	17	27	06	NE
23	SHL	iP	18	25	19	C
	CHA	iP	18	25	56	R 310
		iSg		26	42	

DATE	STN	PHASE	H.	M.	S.	△ KM

September, 1964.

23	SHL	iP	20	57	13	C	
23	NDI	iPg	21	01	21.2	CNE	17
		iSg		01	23.1		
23	SHL	iP	23	46	59	CSE	
23	CHA	iP	23	47	48	R	520
		i		48	00		
		i		48	15		
		iSg		48	51		
24	SHL	iPg	06	34	30	R	80
		Sg		34	41		
24	NDI	eP	07	47	13		
24	NDI	i	09	03	19		
24	SHL	iP	09	25	20	C	
24	NDI	eP	10	04	31	R	980
		eS		06	17		
24	NDI	iP	12	44	49	R	
24	SHL	iP	14	43	19	C	
24	SHL	iP	15	14	29	R	
24	SHL	iP	22	39	51	RS	220
		Sg		40	21		
24	SHL	iP	23	20	52	R	
24	SHL	iP	23	48	38		
25	SHL	iPg	01	14	46		80
		Sg		14	55		
25	SHL	iP	05	32	56	R	
25	TOC	ePg	07	36	41		200
		Sg		37	07		
	SHL	iP	07	37	09	C	
	CHA	i	07	39	32		
25	NDI	iPg	07	45	02.4	R	15
		iSg		45	04.1		
25	SHL	iP	13	07	06	C	
25	SHL	iP	15	53	11	RNE	
	CHA	e	15	53	26		
	NDI	eP	15	53	50	S	
25	SHL	iP	17	36	40	C	
	NDI	iP	17	37	05	R	
25	SHL	iPg/Pn	19	27	11	R	120
		Sg/Sn		27	25		

26 Epc:- 30.1°N 80.7°E in Tibet-India border. h about 50 km. -H=00h 46m 02.8s (USCGS). Mag: 6.2 (CGS).

Epc:- 29.0°N 80.0°E
-H= 00h 46m 05s (CSO Shillong).

DDI	iPn	00	46	37	S 235
	PP		46	41	
	PPP		46	48	
	iSn		47	04	
	SS		47	15	
	SSS		47	29	
NDI	iPn	00	46	49	RNE 360
	iPg		47	00	
	iSn		47	28	
CHA	iP	00	47	38	C 700
	iS		48	51	
	S*		49	22	
	iSg		49	16	
SEH	iP	00	47	45	790
	PP		47	50	
	PPP		48	02	
	~~i~~		~~48~~	~~27~~	
	i		48	31	
	i		48	37	
	i		48	42	
	i		48	47	
	~~LQ~~		~~49~~	~~02~~	
	iS		49	07	
	LR		49	17	
	SS		49	19	
	M		49	50	
SHL	iP	00	48	33	CSE 1180
	PP		48	38	
	PPP		48	52	
	LQ		50	17	
	iS		50	27	
	LR		50	48	
	M		51	52	
VIS	eP	00	48	54	1280
	iS		51	05	
BOM	iP	00	49	05	1360
	PP		49	15	
	~~LQ~~		~~51~~	~~17~~	
	iS		51	23	
	SS		51	37	
	SSS		51	51	
	M		53	58	

DATE	STN	PHASE	H.	M.	S.	△ KM

September, 1964.

26	MDR	e	00	50	03		1640
		i		50	22		
		i		52	42		
		iS		52	49		
		SS		53	09		
		LR		53	25		
	PBA	eP	00	50	58		2400
		iS		54	54		
	KOD	iS	00	53	50		
		i		56	17		
26	NDI	iP	01	47	56	NE	320
		iPg		48	06		
		iSn		48	32		
		iSg		48	43		
26	CHA	iP	01	48	47	C	
26	NDI	i	01	53	15		
26	NDI	i	01	55	20		
26	NDI	iPn	02	53	53	C	360
		iPg		54	04		
		iSn		54	31		
		iSg		54	41		
26	NDI	ePn	03	19	37		280
		iSn		20	08		
26	NDI	iPn	03	33	04	CNW	270
		iSn		33	34		
26	NDI	iPn	06	40	03	CNW	280
		iSn		40	34		
26	SHL	iP	07	31	10	R	
	TOC	eP	07	31	20		
	CHA	e P	07	31	42		
26	NDI	ePn	09	24	45		250
		iSn		25	14		
26	NDI	iP	10	36	09	S	
26	SHL	iP	12	36	58		
26	NDI	iPn	14	33	24	CSW	220
		iSn		33	50		
26	NDI	ePn	14	57	27		360
		iPg		57	37		
		eSn		58	05		
		iSg		58	15		
26	NDI	ePn	16	51	51		360
		iPg		52	02		
		eSn		52	29		
26	SHL	eP	19	32	28		
26	NDI	i	20	13	13		
26	SHL	iP	23	06	07	CNW	
26	CHA	iP	23	06	36		
26	VIS	eP	23	06	46	C	
26	NDI	iP	23	07	26	RNE	
26	SHL	iP	23	59	43	R	
27	CHA	iP	00	00	47		330
		iS		01	36		
		S*		01	44		
27	SHL	iP	01	35	20	C	
27	SHL	iP	03	49	45	R	
	NDI	eP	03	50	49	RNE	
		i		50	51		
27	CHA	iPg	05	16	48		50
		iSg		16	53		
27	NDI	eP	05	50	25		
		i		50	54		
27	NDI	eP	07	10	01	RS	
27	SHL	iP	07	38	04	R	170
		Sg		38	26		
27	SHL	iP	08	01	27	R	
27	NDI	i	08	03	10		
27	SHL	iP	10	01	08	R	
27	NDI	iP	10	02	50	RE	
27	NDI	i	12	53	30		
27	SHL	iP	15	32	23	C	
27	SHL	iP	15	33	47	RNW	
		i		33	54		
		i		34	01		
27	SHL	iP	16	03	13	C	
27	NDI	iP	16	03	30	C	
		e		13	50		
27	DDI	i	16	13	42		
27	SHL	iP	21	14	47	C	
27	SHL	iP	22	12	20	C	

DATE	STN	PHASE	H.	M.	S.		△ KM
				September, 1964.			
28	NDI	eP	03	06	12		
28	NDI	eP	03	08	08		
28	SHL	iP/Pg	06	03	18	R	160
		Sg		03	37		
28	NDI	iPg	06	49	41.6	S	30
		iSg		49	45.2		
28	Epc:- 36.0°N 73.1°E . -H= 06h 51m 06s (New Delhi).						
	NDI	iP	06	53	10		920
		i		~~53~~	~~15~~		
		iS		54	45		
	DDI	eP	06	53	27		
		e		54	27		
	SEH	e	06	54	37		
		iS		56	45		
	CHA	iP	06	54	45	C	1700
		iS		57	35		
		i		57	44		
	SHL	iP	06	55	36	CE	
28	PBA	ePg	08	47	25		65
		iSg		47	33		
28	SHL	iPg	12	03	08	R	100
		Sg		03	19		
28	SHL	iP	13	35	27	RNE	
28	PBA	ePg	15	55	36		60
		iSg		55	43		
28	SHL	iP	16	33	51	C	
	NDI	iP	16	35	15	CSW	
28	SHL	eP	18	32	02		150
		Sg		32	20		
28	NDI	eP	18	42	49		
28	NDI	eP	21	33	40		
29	SHL	iP	00	09	40	C	
29	SHL	iP	00	14	33		
29	NDI	eP	13	56	54	R	
29	SHL	iP	14	14	08	R	
29	NDI	eP	14	18	55		
29	NDI	i	14	55	20		
		e		56	58		
29	NDI	eP	15	23	06		
29	SHL	iP	15	27	33		210
		Sg		28	02		
29	CHA	eP	18	11	51		
29	SHL	iP	21	52	30	RSE	
29	NDI	eP	21	53	58	CNW	
30	NDI	eP	04	48	06		
	SHL	eP	04	49	41		
30	SHL	iP	06	33	36		
30	PBA	eP	08	55	44		665
		eS		56	54		
		SSS		57	20		
		M		57	57		
30	SHL	iP	08	57	05		
		i		59	10		
		i	09	00	15		
30	VIS	eP	08	57	43		2357
		iS	09	01	35		
30	BOK	e	08	57	50		
		i	09	03	03		
		i		08	01		
30	CHA	e	08	58	08		
		e		58	32		
		e	09	00	56		
30	MDR	e	08	58	08		
		e	09	01	07		
30	CAL	e	08	58	56		
30	NDI	e	08	59	23		
30	NDI	iP	08	59	25	CNW	2490
		eS		03	27		
30	SHL	iP	10	44	01	C	
30	NDI	e	10	45	17		
30	SHL	eP	11	13	30		
30	NDI	eP	12	22	06		
		e		22	13		
30	SHL	eP	14	25	07		
30	SHL	iP	15	33	27		
30	SHL	eP	16	22	43		
30	SHL	iP	17	58	04		
		i		59	00		
		i		59	23		

A list of felt earthquake reports for the month of September, 1964.
(Non-Instrumental)

S.No.	Station	Date (GMT)	Time (GMT)	No of shocks	Duration (Secs.)	Intensity (R.F.Scale)	RKS.
1.	Shillong	1.9.64	13 25	One	About one minute.	IV	
2.	Shillong	1.9.64	13 45	One	About 5 secs.	IV	
3.	Lumding	1.9.64	13 25	One	5 secs.	V	
4.	Lumding	4.9.64	14 03	One	5 secs.	V	
5.	Shillong	6.9.64	00 55	One	2 secs.	IV	
6.	Nancowry	15.9.64	15 29	One	50 secs.	V	Sound like loud flapping of wings of birds coming from SSW.
7.	Shillong	21.9.64	15 05	One	3 secs.	V	
8.	Shillong	23.9.64	23 45	One	3 secs.	V	
9.	Shillong	26.9.64	00 00	One	3 secs.	V	
10.	Mukteswar	26.9.64	00 49	One	15 secs.	IV	Coming from North
11.	Nainital	26.9.64	00 45	One	15 secs.	IV	
12.	Dharchula	26.9.64	14 35 14 57 21 57	Three	1 sec.each.	IV	
13.	Dharchula	26.9.64	00 49	One	5 secs.	VII	

MICROSEISMIC TABULATION

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station : Shillong				September, 1964.					
01	00	3	0.3	4.0	03	00	...	-	-
	06	3	0.2	4.0		06	1	0.4	4.8
	12	1	0.2	4.0		12	1	0.3	4.6
	18	1	0.3	4.4		18	1	0.3	4.6
02	00	1	0.3	4.4					
	06	...	-	-	04	00	1	0.2	4.4
	12	...	-	-		06	1	0.2	4.2
	18	...	-	-		12	3	0.3	4.2
						18	3	0.3	4.4

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station : Shillong(Contd.)				September, 1964.					
05	00	3	0.3	4.2	17	00	3	0.4	4.0
	06	3	0.3	4.0		06	0,0	-	-
	12	3	0.3	4.0		12	0,0	-	-
	18	3	0.3	4.2		18	0,0	-	-
06	00	3	0.3	4.4	18	00	0,0	-	-
	06	3	0.4	4.2		06	3	0.4	3.6
	12	3	0.4	4.4		12	3	0.3	3.4
	18	3	0.4	4.4		18	3	0.3	3.4
07	00	3	0.4	4.2	19	00	3	0.3	3.4
	06	3	0.4	4.4		06	0,0	-	-
	12	3	0.4	4.6		12	0,0	-	-
	18	3	0.4	4.4		18	0,0	-	-
08	00	3	0.4	4.2	20	00	0,0	-	-
	06	3	0.4	4.0		06	0,0	-	-
	12	1	0.4	4.0		12	0,0	-	-
	18	1	0.4	4.0		18	0,0	-	-
09	00	1	0.4	3.8	21	00	0,0	-	-
	06	1	0.4	3.6		06	0,0	-	-
	12	1	0.4	3.6		12	0,0	-	-
	18	1	0.4	3.6		18	0,0	-	-
10	00	1	0.4	3.6	22	00	0,0	-	-
	06	1	0.3	3.4		06	2	0.4	4.4
	12	1	0.3	3.2		12	2	0.4	4.4
	18	1	0.3	3.2		18	2	0.4	4.4
11	00	1	0.3	3.2	23	00	2	0.4	4.4
	06	0,0	-	-		06	...	-	-
	12	0,0	-	-		12	2	0.4	4.2
	18	0,0	-	-		18	2	0.4	4.0
12	00	...	-	-	24	00	2	0.4	4.0
	06	...	-	-		06	2	0.4	4.0
	12	...	-	-		12	2	0.4	4.0
	18	...	-	-		18	2	0.4	4.0
13	00	...	-	-	25	00	2	0.4	4.0
	06	0,0	-	-		06	3	0.4	4.0
	12	0,0	-	-		12	3	0.4	4.2
	18	0,0	-	-		18	3	0.4	4.4
14	00	0,0	-	-	26	00	3	0.4	4.4
	06	3	0.3	3.8		06	...	-	-
	12	3	0.4	4.2		12	3	0.4	4.0
	18	3	0.4	4.2		18	3	0.4	4.0
15	00	3	0.4	4.4	27	00	3	0.4	4.2
	06	...	-	-		06	3	0.4	4.0
	12	3	0.4	4.2		12	1	0.4	4.0
	18	3	0.4	4.0		18	1	0.4	3.8
16	00	3	0.4	4.2	28	00	1	0.4	4.0
	06	3	0.4	4.2		06	1	0.4	4.2
	12	3	0.4	4.0		12	1	0.4	4.2
	18	3	0.4	4.0		18	1	0.4	4.2

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Shillong(Contd.)				September, 1964.					
29	00	1	0.4	4.0	06	12	3	0.5	4.6
	06	...	-	-			3	0.3	2.8
	12	1	0.4	4.0		18	3	0.5	5.1
	18	1	0.4	4.0			3	0.2	2.8
30	00	1	0.4	4.0	07	00	3	0.6	5.1
	06	1	0.4	4.0			3	0.3	2.8
	12	1	0.4	3.8		03	3	0.6	5.3
	18	1	0.4	4.0			3	0.3	2.8
						06	3	0.7	5.1
							3	0.3	2.9
Station: Madras.						12	...	Earthquake.	
01	00	3	0.8	4.8		18	3	0.7	5.3
		3	0.1	2.1			2	0.2	2.0
	03	2	0.8	4.8	08	00	3	0.7	5.4
	06	2	0.8	4.9			2	0.3	2.7
	12	2	0.8	5.0		03	3	0.7	5.3
	18	2	0.8	5.1			2	0.4	2.9
02	00	2	0.8	5.1		06	3	0.7	5.5
		3	0.1	1.9			2	0.3	2.9
	03	2	0.9	4.8		12	3	0.7	5.5
		3	0.2	2.6			2	0.4	3.0
	06	2	0.8	4.8		18	3	0.6	5.5
		3	0.1	2.5			2	0.4	2.7
	12	2	0.8	4.9	09	00	3	0.6	5.1
		3	0.1	2.5			2	0.4	2.9
	18	2	0.7	4.7		03	3	0.6	5.0
							2	0.5	2.8
03	00	2	0.7	4.7		06	3	0.6	5.3
		2	0.2	1.4			2	0.5	3.0
	03	2	0.7	4.8		12	3	0.6	5.0
		2	0.2	1.8			3	0.5	3.1
	06	2	0.7	4.7		18	3	0.6	5.0
		3	0.1	2.3			2	0.4	3.3
	12	2	0.7	4.6	10	00	3	0.5	5.1
	18	2	0.7	4.7			2	0.4	3.2
						03	3	0.5	5.3
04	00	2	0.7	4.8			2	0.4	3.0
	03	2	0.6	4.8		06	3	0.6	5.3
	06	2	0.6	4.7			2	0.4	3.2
	12	2	0.6	4.5		12	3	0.5	5.0
	18	2	0.6	4.7			2	0.4	3.0
							3	0.2	1.8
05	00	2	0.5	4.7		18	3	0.6	4.8
	03	2	0.5	4.7			2	0.3	3.0
	06	2	0.5	4.7					
	12	3	0.5	4.8	11	00	3	0.6	5.5
		3	0.1	2.4			2	0.3	2.6
	18	3	0.5	4.7		03	3	0.6	5.3
		3	0.2	2.7			3	0.4	2.8
						06	3	0.7	5.4
06	00	3	0.4	4.5			3	0.4	2.9
		3	0.2	2.7		12	3	0.7	5.3
	03	3	0.5	4.4			3	0.4	2.8
		3	0.2	2.5		18	3	0.7	5.2
	06	3	0.5	4.3			2	0.4	2.8
		3	0.2	2.5					

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Madras (Contd.)			September, 1964.	
12	00	3	0.7	5.3
		2	0.5	2.6
	03	3	0.7	5.2
		2	0.4	2.7
	06	3	0.7	5.1
		2	0.4	2.7
	12	3	0.7	4.9
		2	0.5	2.7
	18	3	0.7	5.1
		2	0.6	2.6
13	00	...	Earthquake.	
	03	3	0.6	4.9
		3	0.3	2.5
	06	3	0.7	4.6
		3	0.3	2.4
	12	3	0.7	4.5
		2	0.5	2.6
	18	3	0.6	4.5
		2	0.5	2.6
14	00	3	0.5	4.6
		2	0.3	2.3
	03	3	0.5	4.4
		2	0.3	2.3
	06	3	0.5	4.4
		2	0.3	2.2
	12	3	0.6	4.7
		2	0.5	2.5
	18	3	0.7	4.4
		2	0.4	2.4
15	00	3	0.7	4.7
		2	0.3	2.2
	03	3	0.7	4.3
		2	0.4	2.2
	06	3	0.7	4.3
		2	0.5	2.6
	12	3	0.8	4.2
		2	0.5	2.5
	18	2	0.7	4.4
		2	0.4	2.6
16	00	2	0.8	4.5
		3	0.3	2.3
	03	2	0.8	4.3
		3	0.3	2.4
	06	2	0.8	4.4
		3	0.3	2.4
	12	2	0.8	4.4
		3	0.3	2.4
	18	2	0.7	4.4
		3	0.2	2.4
17	00	2	0.8	4.4
		3	0.3	2.4
	03	2	0.8	4.2
		3	0.2	2.3
	06	2	0.7	4.3
		3	0.1	2.2
	12	2	0.8	4.4
17	12	3	0.1	2.2
	18	2	0.8	4.4
18	00	2	0.7	4.3
		3	0.1	2.1
	03	2	0.8	4.5
	06	2	0.8	4.4
		3	0.2	2.0
	12	2	0.8	4.5
		3	0.3	2.7
	18	2	0.7	4.5
		3	0.2	2.3
19	00	2	0.7	4.4
		3	0.2	2.1
	03	2	0.7	4.3
		3	0.3	2.7
	06	2	0.7	4.2
		2	0.4	2.9
	12	2	0.7	4.2
		2	0.3	2.9
	18	2	0.6	4.2
		2	0.4	2.8
20	00	2	0.6	4.2
		2	0.5	3.0
	03	2	0.7	4.3
		2	0.5	3.0
	06	2	0.7	4.2
		2	0.6	2.9
	12	2	0.7	4.3
		2	0.7	3.0
	18	2	0.7	4.0
		2	0.6	2.9
21	00	2	0.7	4.4
		2	0.5	3.0
	03	2	0.7	4.1
		2	0.6	3.0
	06	2	0.6	4.1
		2	0.5	2.8
	12	2	0.5	4.0
		2	0.5	3.0
	18	2	0.6	3.9
		2	0.4	2.8
22	00	2	0.6	4.1
		2	0.4	2.7
	03	2	0.6	4.1
		2	0.4	2.8
	06	2	0.6	4.0
		2	0.4	2.9
	12	2	0.7	4.0
		2	0.5	3.0
	18	2	0.6	3.9
		2	0.4	2.9
23	00	2	0.6	3.9
		2	0.4	2.8
	03	2	0.7	4.0
		2	0.5	3.0

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station : Madras(Contd.)			September, 1964.	
23	06	2	0.7	4.0
		2	0.6	3.0
	12	2	0.6	4.0
		2	0.5	3.0
	18	2	0.6	4.2
		2	0.5	2.8
24	00	2	0.6	4.0
		2	0.5	3.0
	03	2	0.7	3.9
		2	0.5	2.9
	06	2	0.7	3.9
		2	0.6	2.9
	12	2	0.6	3.8
		2	0.6	3.0
	18	2	0.6	4.0
		2	0.4	2.8
25	00	2	0.6	4.0
		2	0.5	2.8
	03	2	0.6	4.0
		2	0.5	2.9
	06	2	0.5	3.8
		2	0.4	2.8
	12	2	0.6	3.9
		2	0.4	3.0
	18	2	0.6	4.1
		2	0.3	2.8
26	00	2	0.5	4.0
		2	0.3	2.7
	03	3	0.4	4.1
		3	0.3	2.6
	06	3	0.5	3.9
		3	0.3	2.6
	12	2	0.5	4.0
		2	0.4	2.6
	18	2	0.5	3.9
		2	0.5	2.6
27	00	2	0.5	4.0
		2	0.5	2.6
	03	1	0.6	2.8
	06	1	0.7	2.8
	12	1	1.1	3.7
		1	1.1	2.9
	15	1	1.2	3.8
		1	1.2	3.1
	18	1	1.5	3.8
		1	1.4	3.1
	21	1	1.8	4.0
		1	1.6	3.1
28	00	1	2.3	4.1
		1	1.9	3.1
	03	1	2.9	4.0
		1	2.2	3.0
	06	1	4.1	4.1
	09	1	4.1	3.9
	12	1	4.1	4.1
	15	1	3.7	4.1
28	18	1	3.4	4.0
		1	3.1	4.0
29	00	1	2.8	3.9
	03	1	2.2	4.0
	06	1	1.8	4.2
	12	1	1.3	4.0
	18	2	0.9	4.0
30	00	2	0.7	3.9
	03	2	0.7	4.0
	06	2	0.6	3.8
	12	2	0.5	3.6
	18	2	0.6	3.7
Station: Calcutta.				
01	00 to 18		No record.	
02	00			
	06	3	0.4	3.6
	12	3	0.4	3.6
	18	3	0.4	3.6
03	00	3	0.4	3.6
	06	3	0.4	3.6
	12	3	0.4	3.6
	18	3	0.4	3.4
04	00	3	0.4	3.4
	06 to 18		No record.	
05	00 to 18		No record.	
06	00			
	06	3	0.5	3.4
	12	3	0.5	3.4
	18	3	0.4	3.4
07	00	3	0.4	3.4
	06	3	0.4	3.4
	12	3	0.4	3.4
	18	3	0.4	3.4
08	00	3	0.4	3.4
	06	3	0.4	3.2
	12	3	0.4	3.0
	18	3	0.4	3.0
09	00	3	0.4	2.6
	06	3	0.4	2.8
	12	3	0.4	2.8
	18	3	0.4	2.6
10	00	3	0.6	2.8
	06	3	0.6	2.2
	12	3	0.6	2.0
	18	0..	-	-

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Calcutta.(Contd.)			September, 1964.	
11	00	0..	-	-
	06	3	0.6	2.0
	12	3	0.6	2.0
	18	3	0.2	2.0
12	00	3	0.2	2.0
	06	3	0.4	2.0
	12	3	0.4	2.0
	18	3	0.2	2.0
13	00	3	0.2	2.0
	06	3	0.4	2.0
	12	3	0.4	2.0
	18	3	0.4	2.0
14	00	3	0.2	2.0
	06	3	0.4	2.0
	12	3	0.4	2.0
	18	3	0.2	2.0
15	00	3	0.2	2.0
	06 to 18	No record.		
16	00			
	06	3	0.4	4.0
	12	3	0.4	4.0
	18	3	0.4	4.0
17	00	3	0.4	4.0
	06	1	0.4	4.0
	12	1	0.4	4.0
	18	1	0.4	4.0
18	00	1	0.4	4.0
	06	1	0.6	4.0
	12	1	0.6	4.0
	18	1	0.6	4.0
19	00	1	0.6	4.0
	06	1	0.6	4.0
	12	1	0.6	4.0
	18	1	0.6	4.0
20	00	1	0.6	4.0
	06	1	0.5	4.0
	12	1	0.4	4.0
	18	1	0.4	4.0
21	00	1	0.6	4.0
	06	1	0.4	3.6
	12	1	0.4	3.6
	18	1	0.4	3.6
22	00	...	-	-
	06	1	0.6	3.4
	12	1	0.6	3.4
	18	1	0.6	3.4
23	00	1	0.6	3.2
	06	2	1.5	2.6
	09	2	1.5	2.5
	12	2	1.5	2.6
	15	2	1.5	2.6
	18	2	1.5	2.6
	21	2	1.2	2.6
24	00	2	1.0	2.6
	06	2	1.0	2.4
	12	2	1.0	2.4
	18	2	1.0	2.4
25	00	2	1.0	2.4
	06	2	1.0	2.4
	12	1	0.8	2.4
	18	1	0.6	2.4
26	00	1	0.6	2.4
	06	3	0.4	2.0
	12	3	0.4	2.0
	18	3	0.4	2.0
27	00	3	0.2	2.0
	06	3	0.2	2.0
	12	1	1.0	3.6
	18	1	1.0	3.6
28	00	1	1.0	3.6
	06	1	1.2	3.6
	12	1	1.0	3.6
	18	1	1.0	3.6
29	00	1	1.0	3.6
	06	1	0.8	3.6
	12	1	0.8	3.6
	18	1	0.6	3.6
30	00	1	0.6	3.6
	06 to 18	No record.		
Station: Bombay (Colaba).				
01	00	2	1.0	5.0
	06	-	-	-
	12	3	0.9	4.8
			0.2	2.0
	18	3	1.0	5.0
			1.0	4.0
			0.3	2.0
02	00	-	-	
	06	3	1.0	4.0
			0.2	2.0
	12	3	1.0	5.0
			0.3	1.7
			0.4	2.4
	18	3	1.0	4.9
			0.4	2.0

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Bombay(Colaba) (Contd.).			September, 1964.	
03	00	3	1.0	4.0
			0.7	2.8
			0.2	1.6
	06	3	1.0	3.8
			0.4	2.0
	12	3	1.0	4.0
			0.3	1.7
	18	3	1.1	4.6
			0.3	1.7
04	00	3	1.0	4.8
			0.3	1.6
	06	3	1.0	4.6
			0.2	2.0
	12	-	-	-
	18	3	0.8	4.5
			0.3	1.7
05	00	2	0.7	4.5
	06	3	0.7	4.1
			0.4	2.0
	12	3	0.5	4.0
			0.3	2.0
	18	3	0.7	4.1
			0.3	1.8
06	00	3	0.7	4.0
			0.3	1.8
	06	3	0.7	4.0
			0.3	1.9
	12	3	0.7	4.0
			0.3	1.5
			0.4	1.9
	18	3	0.7	4.0
			0.5	2.0
			0.3	1.6
07	00	3	0.7	3.9
			0.3	2.0
			0.3	1.5
	06	3	0.5	4.0
			0.3	1.6
	12	-	-	-
	18	3	0.3	1.8
			0.6	3.9
08	00	3	0.6	3.9
			0.4	2.2
	06	3	0.5	4.0
			0.2	2.0
	12	3	0.5	4.1
			0.3	2.0
	18	3	0.5	4.2
			0.2	1.6
09	00	3	0.6	4.0
			0.3	1.8
	06	3	0.7	4.1
			0.3	3.0
	12	3	0.5	2.0
			0.3	1.8
	18	3	0.2	1.0
10	00	3	0.6	4.0
			0.5	3.0
			0.3	2.0
	06	3	0.5	4.0
			0.3	2.0
	12	3	0.6	4.0
			0.2	1.6
	18	3	0.7	4.0
			0.4	2.0
11	00	3	0.4	3.0
			0.3	2.0
	06	3	0.4	4.0
			0.3	2.0
	12	3	0.5	4.0
			0.3	1.8
	18	3	0.5	4.0
			0.2	1.0
12	00	3	0.2	2.0
			0.4	3.0
	06	3	0.7	3.6
			0.3	2.0
	12	3	0.7	4.0
			0.2	1.6
	18	3	0.7	4.0
			0.4	2.0
13	00	-	-	-
	06	3	0.7	4.0
			0.3	1.6
	12	3	0.7	4.0
			0.3	2.0
			0.5	3.0
	18	3	0.7	4.0
			0.4	3.0
			0.3	2.0
14	00	-	-	-
	06	3	0.6	4.0
			0.2	1.6
	12	3	0.7	4.0
			0.2	2.0
			0.5	3.0
	18	3	0.7	4.1
			0.3	1.9
15	00	3	0.9	4.3
			0.4	2.0
			0.3	1.8
	06	3	0.9	4.0
			0.7	3.0
			0.3	2.0
	12	3	0.9	4.0
			0.7	3.0
			0.3	2.0

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Bombay(Colaba) (Contd.).				
15	18	3	1.0	4.0
			0.7	3.0
			0.3	2.0
16	00	3	1.0	4.0
			0.6	3.0
			0.4	2.0
	06	3	0.8	3.9
			0.3	2.0
	12	3	1.0	4.1
			0.5	3.0
			0.2	1.6
	18	3	1.0	4.0
			0.5	3.0
			0.3	2.0
17	00	3	1.1	4.1
			0.7	3.0
	06	3	1.1	3.0
			1.3	4.0
			0.4	2.0
	12	3	1.1	3.0
			0.5	2.0
	18	3	1.1	2.4
			0.6	2.0
18	00	3	1.0	3.0
			0.5	2.0
	03	3	1.1	3.8
			0.9	3.0
			0.5	2.0
	12	-	-	-
	18	3	1.0	3.0
			0.6	2.0
19	00	3	1.0	2.4
			0.5	0.8
	06 to 18	-	-	-
20	00	-	-	-
	06	3	1.1	3.0
			0.5	1.8
			0.4	1.5
	12	3	1.1	3.0
			0.7	2.0
	18	3	1.1	3.0
			0.5	2.0
			0.3	1.5
21	00	3	1.3	3.0
			0.6	2.2
	06	3	1.3	3.0
			0.5	1.8
	12	3	1.1	3.9
			0.6	3.0
			0.3	1.8
	18	3	1.1	3.0
			0.6	2.0
22	00	3	1.1	4.0
			0.4	2.0
	06	3	1.0	4.0
			0.5	2.0
	12	3	0.9	4.0
			0.5	2.1
	18	3	1.1	3.0
			0.5	2.0
23	00	3	1.0	3.0
			0.5	2.0
			0.3	1.8
	06	-	-	-
	12	3	0.6	3.0
			0.3	2.0
	18	3	0.9	3.0
			0.4	2.0
24	00	3	0.6	2.5
			0.9	3.0
	06	3	0.8	2.9
			0.4	2.0
	12	3	0.8	3.0
			0.7	2.0
	18	3	0.6	3.0
			0.3	1.6
25	00	3	0.5	3.0
			0.3	2.0
	06	3	0.6	2.4
			0.5	2.0
			0.3	1.5
	12	3	0.7	3.0
			0.5	2.5
			0.3	1.6
	18	3	0.7	3.0
			0.5	2.0
26	00	3	0.9	3.0
			0.6	2.5
	06	3	0.5	3.0
			0.2	1.6
	12	3	1.0	3.0
			0.4	2.0
	18	3	0.5	2.0
			0.6	3.0
27	00	-	-	-
	06	1	0.7	3.7
	09	1	0.6	3.6
	12	1	0.6	3.5
	15	1	0.5	3.2
	18	3	0.7	3.0
	21	1	0.5	2.0
			0.6	3.3
28	00	1	0.6	3.3
	03	1	1.0	3.5
	06	1	1.1	3.6

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Bombay(Colaba)(Contd.).				
28	09	1	1.1	4.0
	12	1	1.5	3.8
	15	1	1.1	3.6
	18	1	1.1	3.4
	21	1	1.0	3.2
29	00	1	0.8	2.7
	03	1	1.0	3.4
	06	3	0.9	3.5
			1.0	4.0
	12	1	0.5	3.0
	18	1	0.5	2.8
	21	1	0.6	2.8
30	00	1	1.0	2.8
	06	3	0.9	3.0
			0.4	2.0
	12	3	0.9	3.3
			0.4	2.0
	18	3	1.3	3.5
			1.0	3.0
	21	1	1.5	3.5

Station :Bokaro.

1 to 27 No record.

28	00	...	-	-
	06	...	-	-
	12	1	1.5	3.8
	18	1	0.9	4.0
29	00	3	0.7	3.8
	06	3	0.4	3.9
	12	3	0.4	4.1
	18	3	0.3	3.8
30	00	3	0.3	4.0
	06	3	0.2	3.2
	12	3	0.2	3.8
	18	3	0.3	4.0

Station: Visakhapatnam.

01	00	2	0.5	4.8
	06	2	0.5	4.8
	12	2	0.5	5.1
	18	2	0.4	4.5
02	00	2	0.5	5.2
	06	2	0.6	4.9
	12	2	0.6	4.8
	18	2	0.5	5.0
03	00	2	0.5	4.9
	06	2	0.5	4.5
03	12	2	0.6	4.6
	18	2	0.5	4.7
04	00	2	0.6	4.8
	06	2	0.6	4.7
	12	2	0.5	5.0
	18	2	0.4	4.5
05	00	2	0.4	4.6
	06	2	0.5	4.8
	12	2	0.4	4.8
	18	2	0.4	4.5
06	00	2	0.4	4.3
	06	2	0.4	4.2
	12	2	0.4	4.7
	18	2	0.3	3.8
07	00	2	0.3	4.1
	06	2	0.4	3.9
	12	Earthquake is in progress.		
	18	2	0.5	3.9
08	00	2	0.3	3.4
	06	2	0.5	4.2
	12	2	0.4	4.9
	18	2	0.5	4.9
09	00	2	0.3	3.0
	06	2	0.5	3.9
	12	2	0.4	4.3
	18	2	0.5	4.8
10	00	2	0.4	4.2
	06	2	0.5	4.1
	12	2	0.4	3.7
	18	2	0.5	4.6
11	00	2	0.5	4.8
	06	2	0.5	4.6
	12	2	0.5	4.2
	18	2	0.5	4.7
12	00	2	0.4	4.6
	06	2	0.5	5.2
	12	2	0.4	4.0
	18	2	0.5	5.0
13	00	Earthquake is in progress.		
	06	2	0.5	4.8
	12	2	0.4	4.3
	18	2	0.5	4.4
14	00	2	0.5	4.9
	06	2	0.5	4.6
	12	2	0.5	4.9
	18	2	0.5	5.2
15	00	2	0.4	4.0
	06	Earthquake in progress.		
	12	Thunder-0.3 storm in progress.		2.8

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station : Visakhapatnam(Contd.)			September, 1964.	
15	18	2	0.3	3.0
16	00	2	0.3	3.0
	06	2	0.6	4.4
	12	2	0.5	3.8
	18	2	0.6	4.1
17	00	2	0.3	3.1
	06	2	0.6	4.6
	12	2	0.6	4.4
	18	2	0.5	4.2
18	00	2	0.6	4.6
	06	1	0.6	4.4
	12	1	0.6	4.5
	18	3	0.6	4.6
19	00	3	0.5	3.6
	06	3	0.4	3.5
	12	3	0.5	4.2
	18	3	0.4	3.3
20	00	3	0.4	3.5
	06	1	0.8	3.4
	12	1	0.6	3.5
	18	3	0.6	4.1
21	00	3	0.4	4.0
	06	1	0.8	3.4
	12	1	0.6	3.7
	18	1	0.8	4.0
22	00	3	0.6	3.7
	06	1	0.8	3.6
	12	1	0.6	4.0
	18	1	0.6	3.9
23	00	1	0.5	4.4
	06	1	0.8	3.7
	12	1	0.8	4.3
	18	1	1.1	3.9
24	00	1	1.1	4.0
	06	1	1.0	3.7
	12	1	1.0	4.0
	18	1	1.0	4.3
25	00	1	0.9	3.9
	06	3	0.8	3.6
	12	3	0.7	3.7
	18	3	0.7	3.9
26	00	3	0.4	4.0
	06	3	0.6	3.9
	12	3	0.4	3.2
	18	3	0.5	3.6
27	00	1	0.9	3.1
	06	1	1.3	3.2
	12	1	2.2	3.1
	18	1	2.4	3.6
28	00	1	3.5	3.4
	06	1	4.0	3.7
	12	1	5.0	3.8
	18	1	5.0	3.7
29	00	1	2.3	3.7
	06	1	1.7	3.5
	12	1	1.6	3.6
	18	1	1.2	3.7
30	00	1	0.9	3.5
	06	2	0.7	3.5
	12	2	0.6	3.7
	18	2	0.6	3.6

Station: Goa. Component : Vertical.

c : Microseisms are not discernible.

e : Hourly time mark is not discernible.

01	00 to 18	0,0	-	-
02	00	e	-	-
	06	e	-	-
	12	0,0	-	-
	18	0,0	-	-
03	00	0,0	-	-
	06	e	-	-
	12	e	-	-
	18	e	-	-
04 to 06	00 to 18	e	-	-
07	00	e	-	-
	06	e	-	-
	12	0..	-	-
	18	0..	-	-
08	00 to 18	0..	-	-
09 to 11	00 to 18	0..	-	-
12 to 20	00 to 18	e	-	-
21	00	e	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
Station: Goa.(Contd.)			September,1964.	
22 to 26	00 to 18	0..	-	-
27	00	e		
	06	e	-	-
	12	e	-	-
	18	e	-	-
28	00	e	-	-
	06	e	-	-
	12	e	-	-
	18	e	-	-
29	00	e	-	-
30	-	-	-	-

Component: E-W.

01	00	3	0.1	1.0
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
02 to 03	00 to 18	0,0	-	-
04	00 to 06	0,0	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
05 to 30	00 to 18	0..	-	-

Component : N-S.

01	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
02	00 to 18	0,0	-	-
03	00	0,0	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
04	00	0..	-	-
	06	0..	-	-
	12	0..	-	-
	18	0..	-	-
05 to 30	00 to 18	0..	-	-

Station: Port Blair.

Date	Hour GMT	K	Mean amplitude in micron.	Mean period in sec.
01	00	3	0.4	3
	06	3	0.2	3
			0.2	7
	12	3	0.2	3
			0.4	7
	18	3	0.2	3
			0.4	7
02	00	3	0.2	3
			0.4	7
	06	3	0.2	3
			0.2	7
	12	3	0.2	3
			0.2	7
	18	3	0.2	3
			0.2	7
03	00	3	0.2	3
			0.2	7
	06	3	0.2	3
			0.2	7
	12	3	0.2	3
			0.2	7
	18	3	0.2	3
			0.2	7
04	00	3	0.2	3
			0.2	7
	06	3	0.4	7
	12	...	-	-
	18	3	0.4	7
05	00	3	0.4	3
			0.2	7
	06	3	0.2	7
	12	3	0.2	7
	18	3	0.2	7
06	00	3	0.2	7
	06	3	0.2	6
	12	...	-	-
	18	3	0.8	3
07	00	3	0.8	3
	06	3	0.4	3
	12	...	-	-
	18	3	0.4	3
08	00	3	0.4	3
	06	3	0.4	3
	12	3	0.4	3
			0.4	7
	18	3	0.4	3
			0.4	7
09	00	3	0.4	3
	06	3	0.2	3
	12	3	0.8	3
	18	3	0.8	3

Date	Hour GMT	K	Mean amplitude in micron.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in micron.	Mean period in sec.
Station: Port Blair (Contd.)					September, 1964.				
10	00	3	0.8	3	19	12	3	0.4	3
	06	3	0.4	3		18	3	0.4	3
	12	3	0.4	3					
			0.4	6	20	00	3	0.4	3
	18	3	0.4	3		06	3	0.8	3
						12	3	1.2	3
11	00	3	0.4	3		18	3	1.2	3
			0.4	7					
	06	3	0.4	3	21	00	3	1.2	3
	12	3	0.4	3		06	3	1.6	3
	18	3	0.4	3		12	3	1.2	3
						18	3	1.2	3
12	00	3	0.4	3					
	06	3	0.4	3	22	00	3	1.2	3
			0.8	7		06	3	1.2	3
	12	3	0.4	3		12	3	1.2	3
			0.8	7		18	3	1.2	3
	18	3	0.4	3					
			0.8	9	23	00	3	1.2	3
						06 to			
13	00	...	-	-		18	...	-	-
	06	3	0.4	3					
			2.0	9	24	00	...	-	-
	12	3	0.4	3		06	3	1.2	3
			2.0	9		12	...	-	-
	18	3	0.4	3		18	3	1.2	3
			2.0	8					
					25	00	3	0.8	3
14	00	3	0.2	3		06	3	0.8	3
			1.6	8		12	3	0.8	3
	06	3	0.2	3		18	3	0.8	3
			1.2	7					
	12	3	0.2	3	26	00	3	0.8	3
			0.8	7		06	3	1.2	3
	18	3	0.2	3		12	3	1.2	3
			0.8	7		18	3	1.6	3
					27	00	3	1.6	3
15	00	3	0.2	3		06	...	-	-
			0.8	7		12	3	1.6	3
	06	...	-	-		18	3	1.6	3
	12	3	0.4	7					
	18	...	-	-	28	00	3	1.6	3
						06 to			
16	00	3	0.2	3		18	...	-	-
	06	3	0.4	3					
	12	3	0.4	3	29	00	...	-	-
	18	3	0.4	3		06	3	1.2	3
						12	3	0.8	3
17	00	3	0.4	3				1.2	5
	06	3	0.4	3		18	3	0.8	3
			0.8	5				1.2	5
	12	3	0.8	5					
	18	3	0.8	5	30	00	3	0.8	3
								1.2	5
18	00	3	0.4	3		06	3	0.8	4
	06	3	0.2	3		12	3	0.8	3
	12	3	0.2	3		18	3	0.8	3
	18	3	0.2	3					
19	00	3	0.2	3					
	06	3	0.4	3					