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JAN 1967



**GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT**

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DR. L. S. MATHUR
DIRECTOR GENERAL OF OBSERVATORIES.**

List of Seismograph stations with their Instruments and Constant

Station and abbreviation	Latitude ° N	Longitude ° E	Height a.s.l. Metres	Lithographic foundation	Instrument	Component	Period in secs.		V. max.	Damping Constant		Paper speed mm/mi
							To	Tg		h ₁	h ₂	
Bhakra BHK	31.25	76.25			Press-Ewing Electromagnetic (H)	Z	14.8	98	1500	1	1	30
						Z	1	1	5600	1	1	20
						N	1.01	1.17	5500	1	1	20
						E	1.02	1.15	5600	1	1	20
Bokaro BOK	23.47	85.53		Rock	Press-Ewing	Z	15	100	-	-	-	15
						N	15	100	-	-	-	15
						E	15	94	-	-	-	15
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Wood-Anderson	N	0.8	0.8	940	1	-	30
						E	0.8	0.8	950	1	-	30
Bombay BOM	18.54	72.49		Deccan Trap	Milne Shaw	N	12		250	0.7	-	8
						E	12		250	0.7	-	8
					Sprengnether	E	7.3	7.3	5000	-	1	30
					Benioff	Z	1.0	0.2	-	-	-	30
						Z	1.0	87.0	-	-	-	30
												30 for LP Galvanometer 60 for SP
Calcutta CAL	22.32	88.20	7	Milne Shaw Alluvium 6 Omori-Ewing	Milne Shaw	E	12		250	0.7	-	8
					Omori-Ewing	E	19		30	-	-	25.4
						N	15		32	-	-	25.4
					Sprengnether	N	7.0	7.0	1000	-	1	30
					Benioff	Z	0.72	0.45	-	-	-	60
					Wood-Anderson	N	0.8		1000	1	-	30
						E	0.8		1000	1	-	30
					Milne-Shaw	N	12		250	1	-	16
						E	12		250	1	-	16
Delhi NDI	28.41	77.12	207	Massive Quartzite	Wenner Accelerograph	ZNE	0.1		50	0.6	-	600
					Sprengnether	E	7.6	7.6	5000	-	1	30
					Wood-Anderson	E	0.8		1000	1	-	30
						N	0.8		1000	1	-	30
					Milne-Shaw	N	12		250	0.7	-	8
					Benioff (SP)	Z	1.0		50K for	-	1	60
						N	1.0		50K for TE=1	-	1	60
						E	1.0		50K for sec.	-	1	60
					Sprengnether (LP)	Z	15	100	1500 for	-	1	30
						N	15	100	1500 for TE=15	-	1	30
						E	15	100	1500 for sec.	-	1	30
Dehra Dun DDI	30.19	78.03	682	Gravel	Wilson-Lenison	Z	1.3	1.3	-	1	1	60
					Wood-Anderson	N	0.8		970	1	-	30
						Z	0.8		1000	1	-	30
					Milne-Shaw	N	12		250	0.7	-	8
					Sprengnether	Z	15	100	1500 for	-	1	30
									for TE=15 sec.	-	-	-
Goa GOA	15.29	73.49		Laterite	Sprengnether	Z	1.5	1.5	-	1	-	30
						E	7.4	7.4	5000	-	1	30
						N	7.5	7.5	5000	-	1	30
Hyderabad HYD	17.26	78.27	536	Granite	Milne-Shaw	E	12		250	0.7	-	8
Kodaikanal KOD	10.14	77.28	2345	Rock	Benioff (SP)	N	12		250	0.7	-	8
						Z	1.0	0.75	50K for	-	1	60
						N	1.0	0.75	50K for TE=1	-	1	60
						E	1.0	0.75	50K for sec.	-	1	60
					Sprengnether (LP)	Z	15	100	1500 for	-	1	30
						N	15	100	1500 for TE=15	-	1	30
						E	15	100	1500 for sec.	-	1	30
Madras MDR	13.00	80.11	15		Milne-Shaw	E	12		250	0.7	-	8
Poona POO	18.32	73.51	560	Deccan Trap	Sprengnether	E	7.4	7.4	-	1	-	30
					Benioff (SP)	Z	1.5	1.5	-	1	-	60
						Z	1.0	0.75	50K for	-	1	60
						N	1.0	0.75	50K for TE=1	-	1	60
						E	1.0	0.75	50K for sec.	-	1	60
					Sprengnether (LP)	Z	15	100	1500 for	-	1	30
						N	15	100	1500 for TE=15	-	1	30
						E	15	100	1500 for sec.	-	1	30
Port Blair PBA	11.40	92.43			Milne-Shaw	E	15	100	1500 for	-	1	30
					Wood-Anderson	N	15	100	1500 for sec.	-	1	30
						E	12		250	0.7	-	8
					Benioff	E	0.8		890	0.7	-	30
					Wood-Anderson	Z	1.2	1.5	840	0.8	-	30
						N	0.8		860	1	-	30
						E	0.8		950	1	-	30
					Benioff (SP)	Z	1	0.75	200K for	-	1	60
						N	1	0.75	200K for TE=1	-	1	60
						E	1	0.75	200K for sec.	-	1	60
					Press-Ewing (LP)	Z	15	100	3000 for	-	1	30
						N	15	100	3000 for TE=15	-	1	30
						E	15	100	3000 for sec.	-	1	30
					Sprengnether	E	6.7	6.7	2600	-	1	30
					Milne-Shaw	N	12		250	0.7	-	8
Tocklai TOC	26.45	94.46		Alluvium	Wenner Accelerograph	Z,N,E	0.1		Nearly 50	0.6	-	600
Trivandrum TRV	8.29	76.57		Decomposed Laterite	Wood-Anderson	E	0.8		1000	1	-	60
Visakhapatnam VIS	17.43	83.18			Sprengnether	E	7.1	7.1	2500	-	1	30
						E	7.0	7.0	5000	-	1	30
					Wood-Anderson	E	0.8		1000	1	-	30
						N	0.8		1000	1	-	30
					Electromagnetic (S.P.)	Z	1.65	1.65	6000	1	1	60

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DATE	STN	PHASE	H.	M.	S.	Deg.	DATE	STN	PHASE	H.	M.	S.	Deg.
01		Epc: 12.1°S, 166.2°E, Santa Cruz Islands. -H=00h 21m 06.6s (USCGS) Depth = 33 Kms. Mag. = 4.9 (CGS).					01		Epc: 12.°S, 166.0°E, Santa Cruz Islands. -H=04h 04m 06.5s (USCGS). Depth=33 Kms. Mag. = 4.5 (CGS).				
		SHL iP 00 33 24 CW							SHL iP 04 16 22 C				
		CHA iP 00 33 46 C					01		BHK e 04 30 08				
		KOD iP 00 34 11 C							e 05 00 00				
		i 34 23					01		BHK i 06 25 15				
		NDI iP 00 34 27							i 35 07				
01		Epc: 0.1°S, 125.8°E, Molucca Sea. -H=01h 05m 46s (USCGS). Depth = 33 Kms. Mag. = 4.7 (CGS).					01		Epc: 15.3°S, 173.6°W, Tonga Islands. -H=07h 05m 48.6s (USCGS). Depth = 33 Kms. Mag. = 6.0 (CGS), 6½-6¾ (PAS), 6.4 (BRK).				
		SHL iP 01 13 32 C							SHL iP 07 19 39 C				
01		NDI iP 01 30 13							P00 ePKP 07 24 35				
01		P00 eP 01 34 32							BOM e 07 25 33				
01		Epc: 10.7°N, 92.8°E, -H = 02h 59m 33.8s (USCGS). Depth = 60 Kms. Mag. = 5.2 (CGS).							MDR e 07 32 59				
		PBA iPg 02 59 49.6 CN 1.1					01		Epc: 12.1°S, 166.2°E, Santa Cruz Islands. -H=07h 45m 53.6s (USCGS). Depth = 33 Kms. Mag. = 4.7				
		iSg 03 00 03.6							SHL iP 07 58 11 SE				
		VIS iP 03 02 19							NDI eP 07 59 24				
		MDR eP 03 02 35 11.2							e 08 13 25				
		PP 02 44							SHL iP 08 14 04 C				
		PPP 02 52					01		Epc: 12.2°S, 166.1°E, Santa Cruz Islands. -H=08h 11m 12.8s (USCGS). Depth = 33 R. Mag. = 4.5 (CGS).				
		eS 04 42							SHL iP 08 23 27 D				
		SHL eP 03 02 46 15.5							NDI eP 08 47 35				
		iS 05 39							eS 48 39				
		KOD iP 03 03 15					01		DDI eP 08 48 01				
		CHA iP 03 03 28 D							SHL iP 08 51 48 CSW				
		P00 eP 03 04 06							P00 eP 08 52 02				
		NDI iP 03 04 38 CNE					01		TOC ePg 08 51 42 1.3				
		DDI iP 03 04 45.8 C							eSg 51 59				
01		MDR e 03 14 52							NDI i 08 54 41				
01		P00 eP 03 17 35							NDI e 09 29 24				
01		Epc: 11.9°S, 166.2°E, Santa Cruz Islands. -H=03h 13m 18.0s (USCGS). Depth = 33 Kms. Mag. = 4.6 (CGS).							e 29 51				
		SHL iP 03 25 33 DE					01		e 30 08				
		SHL iP 03 25 33 DE							SHL eP 11 38 19 2.2				
01		Epc: 7.6°N, 94.4°E, -H=03h 35m 42.9s (USCGS). Depth = 38 Kms. Mag. = 4.2 (CGS).											

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DATE	STN	PHASE	H. M. S.	△ Deg.	DATE	STN	PHASE	H. M. S.	△ Deg.
03	SHL	eP iS	05 47 59 58 04	80.2	03	SHL	iP	11 43 45 D	
					03	EPC: 56.0°N, 34.4°W -H= 12h 02m 56.5s(USCGS) Depth = 33 Kms. Mag. = 4.9(CGS).			
	BOK	iP PP iS ScS SS	05 48 27 51 43 58 51 58 57 06 04 27	D 84.0		NDI	eP	12 14 54	
						SHL	iP	12 26 32 C	
	VIS	eP ePP PPP iSKS	05 48 39 51 58 53 53 59 09	89.5	03	Epc: 6.8°N, 73.0°W, -H= 17h 21m 41.6s(USCGS). Depth = 161 Kms. Mag. = 4.4 (CGS).			
						SHL	iPKP	17 41 00 D	
	KOD	iP iSKS	05 48 51 59 25	93.6	03	Epc: 11.3°S, 165.8°E, Santa Cruz Islands. -H=17h 46m 44.9s(USCGS). Depth = 33 Kms. Mag. = 4.8(CGS)			
	MDR	eP e	05 48 57 59 05			SHL	iP	17 58 27 DE	
	NDI	e	05 49 03		03	DDI	eP	18 46 15	
	P00	eP	05 49 09		03	NDI	e	18 46 34	
03	BOM	e e	05 52 53 52 50		03	Epc: 12.4°S, 166.4°E, Santa Cruz Islands. -H=21h 23m 22.5(USCGS). Mag. 5.4-5.8(BRK), 5.0(CGS). Depth = 33 Kms.			
03	CHA	e i	05 58 45 06 15 52			TOC	eP	21 35 34	
03	P00	e	06 01 50			SHL	iP	21 35 40 CNW	
03	Epc: 11.2°S, 165.5°E, Santa Cruz Island. -H=05h 52m 51.8s(USCGS). Depth = 33 Kms. Mag. = 5.3 (CGS).						CHA	iP	21 36 04 D
	SHL	iP	06 05 02 D			KOD	iP	21 36 33.3 C	
	NDI	eP	06 06 07			DDI	eP	21 36 42	
	P00	eP	06 06 19			P00	eP	21 36 48	
03	SHL	iPg iSg	07 04 37 04 47	SW 0.8		NDI	ePcP eSKS eS	21 36 49 21 47 02 47 43	
03	BOM	e	11 17 -			MDR	eSKS	21 47 07	
03	Epc: 11.2°S, 165.4°E, Santa Cruz Islands. -H=11h 05m 15.4s(USCGS)... Depth = 33 Kms. Mag. = 5.1-5.5 (BRK), 5.3(CGS).						BOM	eSKS	21 47 28
0	SHL	iP	11 17 28 D		03	SHL	iPg iSg	21 47 56 48 11	DSE 1.2
	BOK	eP	11 17 53		04	Epc: 3.6°S, 148.9°E, Bismark Sea. -H=02h 53m 28.1s(USCGS). Depth = 9 Kms. Mag. 4.9(CGS).			
03	MDR	e	11 28 32			SHL	iP	03 03 52 D	
03	EPC: 11.2°S, 165.4°E, Santa Cruz Islands. -H=11h 31m 34.4s(USCGS) Depth=33 Kms.Mag.=5.1(CGS).						KOD	iP	03 05 02.3 DSE
					04	NDI	e	03 16 44	
					04	EPC: 20.3°N, 120.0°E, Philippine Islands Region. -H=03h 41m 34.4s(USCGS). Depth= 33 Kms. Mag. = 5.6(CGS).			

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DATE	STN	PHASE	H. M. S.	△ Deg.	DATE	STN	PHASE	H. M. S.	△ Deg.	
04	SHL	iP	03 47 12	DSE	04	P00	eP iS	11 31 12 34 34	18.3	
	MDR	e e	03 49 02 55 03			KOD	iP iS	11 31 25 35 02.5	CSW 19.7	
	DDI	iP	03 49 03	C		BOM	eP PP e	11 31 28 31 39 35 48		
	NDI	eP	03 49 07		04	SHL	iP iS	12 03 53 04 14	DNE 1.5	
	KOD	iP	03 49 30	CSW	04	SHL	iP iS	12 09 47 10 08	DNW 1.5	
	P00	eP e	03 49 39 51 26		04	SHL	iP	15 05 13	DSW	
	BOM	eP eS	03 49 46 56 21	44.3	04	NDI	i	15 08 10		
	Epc: 38.6°N, 22.1°E, Greece -H=05h 58m 54.1s (USCGS). Eight persons injured, moderate property damage in PATRAS region Depth = 7 Kms. Mag. = 5.2(CGS).					04	EPC: 3.2°S, 142.2°E, Near North Coast of New Guinea. -H=16h 30m 28.0s(USCGS). Depth = 19 Kms. Mag. = 5.5 (CGS).			
	DDI	eP	06 07 19			SHL	iP	16 40 13	CW	
	NDI	iP	06 07 21	DNW		CHA	iP	16 40 44	C	
	P00	eP	05 07 41			KOD	iP	16 41 17	DSE	
	KOD	iP	06 08 42.6	DNW		DDI	iP	16 47 40	D	
	SHL	iP	06 08 55	C	04	NDI	i	16 41 40		
04	BOK	e	08 36 32		04	P00	eP	16 41 45		
04	Epc: 50.8°N, 157.1°E. Kurile Islands. -H=10h 17m 07.5s(USCGS). Depth = 50 Kms. Mag. = 4.9(CGS).					04	Epc: 33.6°N, 135.8°E, near S. Coast of Southern Honshu. -H=18h 00m 59s (USCGS). Depth = 416 Kms. Mag. = 4.3(CGS).			
	P00	iP	10 28 25.7	D		KOD	iP	18 10 12.2	C	
04	Epc: 23.4°N, 93.9°E, -H = 11h 26m 45.4s(USCGS). Depth = 58 Kms. Mag. = 5.4 (CGS).					04	SHL	iPg iSg	18 17 12 17 14	CNE 0.2
	SHL	iP iS SSS	11 27 30 28 01 28 21	CNW 2.5	04	BOM	e	18 24 45		
	TOC	eP i iS	11 27 42 27 59 28 20	3.1	04	SHL	iP eS	18 54 08 54 31	CNE 1.7	
	CHA	iP iS	11 28 28.2 29 46.6	6.7	04	Epc: 10.7°N, 62.5°W. -H=20h 15m 55.8s(USCGS). Depth = 74 Kms. Mag. = 5.3 (CGS).				
	BOK	iP	11 28 34	W		NDI	PKP	20 34 49.5		
	DDI	eP iS	11 30 22 33 08	14.7		KOD	iPKP	20 35 11	DN	
	NDI	iP PP iS SS	11 30 26.5 30 38 33 09 33 25	CSW 14.5	05	Epc: 48.1°N, 102.8°E, Mangolia. Felt at Ulan Bator, Mangolia and Irkutsk, USSR. -H = 00h 14m 40.4s(USCGS). Depth = 33 Kms. Mag. = 6.4(CGS), 7¼(Pas), 7.4-7.6(BRK), 7¼(Pal), 7¼-7½(CGS Surface Wave).				
	MDR	eP eS	11 30 42 33 43	16.3						

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DATE	STN	PHASE	H.	M.	S.	△ Deg.	DATE	STN	PHASE	H.	M.	S.	△ Deg.
06	SHL	iP	04	15	22	SE	06	SHL	iPg	17	49	26	DE 1.1
	P00	eP	04	16	57				iSg		49	40	
	NDI	iP	04	17	00.5	C	06	NDI	e	22	17	54	
		i		17	09				iP		17	45	
06	NDI	e	06	29	20		06	CHA	eP	22	19	45	
06	NDI	iP	06	30	58		06	DDI	eP	22	50	26	
06	NDI	iP	06	55	01.5	CSE	06	SHL	iPg	25	48	55	DW 0.6
		i		56	42				iSg		49	05	
06	MDR	e	06	56	32		07	Epc: 48.8°S, 112.7°E, South East Indian Rise. -H=00h 27m 25.2s(USCGS). Depth = 33 Kms. Mag. = 5.8(CGS).					
06	NDI	iSg	07	32	26			KOD	iP	00	38	14.8	
06	BOK	e	08	12	09			MDR	eP	00	38	29	
06	BOK	e	08	43	39			P00	eP	00	39	05	76.0
		e		43	43				eS		48	48	
06	Epc: 1.5°S, 126.6°E, Mollucca Sea. -H=10h 05m 05.8s(USCGS). Depth = 57 Kms. Mag. = 5.4(CGS).							SHL	iP	00	39	13	DE 76.4
									iS		48	58	
	SHL	iP	10	11	01	C		BOK	iP	00	39	14	76.6
	KOD	iP	10	11	58	CNE			eS		48	58	
	P00	eP	10	12	36			CHA	iP	00	39	26	C
	NDI	iP	10	12	39			NDI	iP	00	39	50.5	86.1
06	EPC: 21.8°N, 75.2°E. H=11h 41m 41s(New Delhi)								iSKS		50	09	
	BOM	iPn	11	42	32	D 3.0		eS		50	25		
		P*		42	36			PBA	i	00	47	44	
		PP		42	39			BOM	e	00	48	51	
		eSn		43	09		07	BOK	e	08	38	42	
P00	ePn	11	42	32	3.1		07	BOK	e	09	25	55	
	e		42	48			07	KOD	iPg	09	27	36	DN 2.0
	eSg		43	26					iSg		28	02.6	
SEH	e	11	42	55	3.2				iPg		27	37	
	i		43	12					iSg		28	02.5	
	i		43	15			07	KOD	eP	09	47	03	CE
NDI	ePn	11	43	25.5			07	KOD	iPg	10	05	54.8	DSW2.1
	i		44	40					iSg		06	02.8	
KOD	eP	11	44	29	CNE		07	SHL	iP	10	53	18	C
	i		46	44			07	SHL	eP	11	29	48	
SHL	iP	11	45	28	D		07	Epc: 12.5°S, 166.1°E, Santa Cruz Islands. -H=11h 35m 01s (USCGS). Depth = 33 Kms. Mag. 4.7(CGS).					
BHK	e	11	45	40				SHL	eP	11	45	17	
	i		46	33			07	NDI	e	11	54	42	
	i		46	36.8			07	Epc: 48.2°N, 102.8°E, Mangolia. -H=13h 03m 44.8s(USCGS). Depth = 33 Kms. Mag. = 5.0(CGS).					
	i		46	49									
MDR	e	11	46	04									
	e		46	12									
BOK	e	11	46	37									
06	DDI	iP	13	45	09	D							

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DATE	STN	PHASE	H.	M.	S.	△ Deg.	DATE	STN	PHASE	H.	M.	S.	△ Deg.	
07	SHL	iP	13	08	58	D	08	P00	eP	05	14	26		
	NDI	eP	13	09	33		08	KOD	iP	05	14	53.8	D	
07	Epc: 11.8°N, 142.7°E, South of Mariana Islands. -H=13h 34m 48.3s (USCGS). Depth = 36 Kms. Mag. = 5.1(CGS).							08	BOK	e	05	22	34	
	SHL	iP	13	43	41	CW		08	CHA	e	05	35	53	
	NDI	eP	13	45	14			08	BOM	e	05	42	-	
	KOD	iP	13	45	23	DSE		08	MDR	e	05	45	50	
	P00	iP	13	45	37	C			e		49	01		
07	CHA	iPg	16	33	21.4	D	08	Epc: 56.1°N, 162.8° near East Coast of Kamchatka. -H=06h 43m 32.3s(USCGS). Depth = 44 Kms. Mag. = 4.9(CGS).						
	Sg		33	38.4				SHL	iP	06	53	27	DW	
	Epc: 11.9°S, 166.1°E, Santa Cruz Islands. -H=16h 41m 03s(USCGS). Depth = 33 Kms. Mag. = 5.1(CGS).							DDI	eP	06	53	53		
	SHL	iP	16	53	19	CNE 81.4		NDI	eP	06	54	04		
		iS	17	03	30			P00	eP	06	55	06		
	CHA	iP	16	53	42	D	08	Epc: 56.2°N, 162.7°E, near East Coast of Kamchatka. -H=08h 31m 59.7s(USCGS). Depth = 24 Kms. Mag. = 4.9(CGS).						
	BOK	eP	16	53	43			SHL	iP	08	41	56	C	
	NDI	eP	16	54	22			P00	eP	08	43	35		
07	BOM	e	17	57	-			KOD	iP	08	44	05.4	RSW	
07	NDI	e	18	15	52			08	SHL	iP	09	41	46	CW
07	SHL	iP	18	16	29	CNE		08	Epc: 12.2°S, 166.5°E, Santa Cruz Island. -H=15h 27m 16.9s.(USCGS). Depth = 40 Kms. Mag. = 5.1(CGS).					
07	NDI	ePn	22	50	33.4	3.1		SHL	iP	15	39	34	CS	
		Pg		50	43.5			KOD	iP	15	40	21	D	
		iSn		51	10.7			P00	eP	15	40	45		
		eSg		51	21.4			Epc: 27.7°N, 54.5°E, Southern Iran.-H=01h 55m 13.6s(USCGS). Six injured, moderate damage at lav. Depth=17kms.Mag.5.3(CGS).						
07	SHL	eP	23	35	05	1.6		BOM	eP	01	59	35		
		iS		35	27			P00	eP	01	59	47		
08	NDI	i	02	33	50			NDI	eP	01	59	50	C 20.3	
08	NDI	e	02	36	49			eS		02	03	16		
08	NDI	e	03	19	54			KOD	iP	02	01	04.2	DSW	
08	NDI	e	03	20	13			SHL	iP	02	01	52	NW	
08	NDI	e	03	21	15			09	BOM	e	02	03	17	
08	NDI	e	03	22	09			09	SHL	iP	02	13	14	C
		e		23	11			09	BOK	e	08	18	19	
		e		23	21									
08	NDI	i	03	23	40									
		i		23	44									
		e		24	42									
08	DDI	eP	05	12	13									
08	SHL	iP	05	12	48	D								
08	NDI	ePKP	05	13	24	D								

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17	BHK	iPKP	01 26 26.8		
	NDI	iPKP	01 26 27.5 SWS		
		ePP	28 41.5		
		i	28 45		
	DDI	iPKP	01 26 30.1 C		
		e	28 36		
	BOK	iPKP	01 26 39 D		
		i	30 34		
	CHA	iPKP	01 26 40 D		
		i	27 01		
		i	29 02		
	SHL	iPKP	01 26 46		
17	MDR	e	01 28 39		
17	NDI	i	01 37 10		
17	NDI	iPg	07 04 44 C	0.4	
		iSg	04 49		
17	BOK	e	08 15 51		
17	SHL	eP	09 24 40		
17	CHA	iP	09 25 35.3 C	6.4	
		S	26 49.3		
17	NDI	eP	09 27 34	14.6	
		eS	30 18		
17	BOK	e	09 40 53		
17	EPC: 38.3°N, 142.1°E, -H=11h 59m 31.5s(USCGS). Depth = 44 Kms. Mag. = 5.9(CGS).				
	SHL	iP	12 07 36	CSW	43.3
		PP	09 32		
		iS	14 04		
		PPS	14 14		
		SS	17 16		
	CHA	iP	12 08 02	CSW	46.9
		S	14 53		
	CAL	iP	12 08 12		47.5
		iS	15 07		
	BOK	iP	12 08 22	CSW	49.3
		PcP	09 43		
		PP	10 17		
		PPP	11 12		
		PcS=ScP	13 30		
		iS	15 28		
		PS	15 29		
		PPS	15 33		
		ScS	18 16		
		SS	18 59		
	PBA	iP	12 08 34		50.4
		eS	15 47		

17	DDI	iP	12 08 43	D	51.6
		PP	10 30		
		iS	16 04		
		SSS	21 00		
	BHK	eP	12 08 49		
	NDI	iP	12 08 52.5 SWC	53.5	
		i	09 09		
		PP	10 51		
		iS	16 25		
		ScS	18 22		
		i	21 00		
		SS	22 21		
	VIS	iP	12 09 00	DNE	55.0
		iPP	11 06		
		PPP	12 18		
		iS	16 41		
		eSS	20 26		
	HYD	iP	12 09 26		59.2
		PP	11 38		
		PPP	13 11		
		iS	17 33		
	MDR	iP	12 09 35	E	59.8
		PcP	10 24		
		PP	11 47		
		eS	17 46		
		PS	18 01		
		ScS	19 24		
	P00	iP	12 09 48	C	60.8
		PP	12 08		
		PPP	13 26		
		iS	18 05		
	BOM	iP	12 09 52	CSW	61.2
		PcP	10 34		
		PPP	13 36		
		iS	18 11		
	KOD	iP	12 10 02	CSW	65.3
		PP	12 26		
		PPP	13 56		
		iS	18 34		
		PS	18 54		
		PPS	19 05		
		ScS	19 43		
		SS	22 44		
17	EPC: 38.3°N, 142.1°E, -H=12h 26m 20.8s(USCGS). Depth = 37 Kms. Mag. 4.7(CGS).				
	SHL	iP	12 34 26		
	NDI	eP	12 35 43		
	P00	eP	12 36 38		
17	SHL	iP	17 22 21	DNE	
17	NDI	iSg	17 24 10		

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17	BOM	ePg	18 30 25	0.2	
		eSg	30 27		
17	NDI	iPg	18 33 53.5	0.2	
		Sg	33 56.7		
17	SHL	iP	18 34 09	DN	
17	SHL	iP	19 17 29	CS	
17	CHA	eP	19 17 37		
17	BOM	e	19 27 -		
17	SHL	iP	21 17 25	CSE	
	CHA	e	21 18 05		
17	KOD	iP	22 05 22	CNW	
	SHL	iP	22 05 35	DSW	
	CHA	iP	22 06 02	D	
	P00	eP	22 06 23		
	NDI	eP	22 06 55		
18	SHL	iP	00 56 07	DNW	1.7
		eS	56 30		
	CHA	iP	00 57 02	D	
		i	58 08		
	BOK	eP	00 59 14		
		i	59 54		
18	CHA	ePg	01 00 04		
		i	00 19		
		i	01 28		
	NDI	e	01 01 57		
18	NDI	ePn	01 13 17	4.2	
		Pg	13 34		
		Sn	14 07		
		Sg	14 26		
	DDI	eP	01 13 45		
		e	14 59		
18	P00	eP	01 17 17		
18	Epc: 48.9°N, 154.9°E, -H=04h 20m 52.9s(USCGS). Depth = 40 Kms. Mag. = 5.4(CGS).				
	SHL	iP	04 30 12		
	NDI	eP	04 31 04.5		
	P00	iP	04 32 06	D	
	KOD	iP	04 32 27.6	DNE	
18	Epc: 56.6°N, 120.8°E, -H=05h 34m 32.6s(USCGS). Depth = 11 Kms. Mag. = 6.1(CGS).				
	TOC	eP	05 41 35		

18	SHL	iP	05 41 47	DNE	37.7
		PP	43 16		
		iS	47 38		
		SS	50 11		
	CHA	iP	05 41 57	NE	38.4
		PP	43 28		
		S	47 53		
	BHK	eP	05 42 09		
	DDI	iP	05 42 09	D	38.6
		PP	43 46		
		eS	48 06		
		SSS	51 09		
	NDI	iP	05 42 21	DNE	40.7
		e	48 08		
		eS	48 32		
	BOK	eP	05 42 23	DNE	41.7
	CAL	iP	05 42 26	NE	41.7
		iS	48 44		
	SEH	iP	05 42 58	NE	47.5
		PPP	44 59		
		eS	49 53		
	VIS	iP	05 43 11	CNE	48.1
		iPP	45 01		
		iPPP	45 51		
		iS	50 11		
		PS	50 12		
	PBA	iP	05 43 27	DNE	50.0
		eS	50 38		
	HYD	iP	05 43 32		
		i	44 11		
		i	45 29		
	P00	iP	05 43 40.5	D	51.8
		PP	45 40		
		iS	51 02.5		
	BOM	iP	05 43 42	DNE	52.1
		ePP	45 44		
		eS	51 07		
	MDR	iP	05 43 56	DW	54.5
	KOD	iP	05 44 22.5	RNE	59.3
18	SHL	iP	06 30 27	CSW	
18	EPC: 52.5°N, 168.3°W, H=08h 18m 22.0s Depth = 37 Kms. Mag. 5.7(CGS).				
	SHL	iP	08 30 05	CSW	
	CHA	eP	08 30 17		
	DDI	iP	08 30 24	D	
	BHK	eP	08 30 27		
	BOK	i	08 30 31		

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22	SHL	eP	18 38 08	2.5		23	Epc: 7.1°S, 144.8°E, Near South Coast of New Guinea. -H=18h 34m 06s(USCGS), Depth = 17 Kms.	SHL	iP	18 44 20	CSW
		iS	38 39					NDI	e	18 45 42	
22	NDI	iP*	19 19 34	1.1	CNE	23	Epc: 19.9°N, 109.3°W, -H=20h 25m 38.3s(USCGS), Depth = 56 Kms. Mag. = 5.3(CGS)	NDI	ePKP	20 44 50	
		iSg	19 48.7	2.9	Mag.			MDR	ePKP	20 45 18	
22	Epc: 21.8°N, 121.8°E, -H=23h 08m 17.4s(USCGS), Depth = 63 Kms. Mag. = 4.9(CGS).	SHL	iP	23 14 01	DE			KOD	iPKP	20 45 36	DSW
		CHA	e	23 14 25				BOM	e	20 52 38	
22	Epc: 13.1°S, 168.3°E, New Hebrides Islands. -H=03h 09m 15s(USCGS), Depth = 81 Kms. Mag. = 4.5 (CGS).	SHL	iP	03 21 37	SE	23	SHL	iP	21 15 12	CNE	
23	NDI	e	05 44 05			23	BOM	e	21 32 -		
23	CHA	iPg	06 52 12			23	P00	iP*	21 50 45.5	1.1	
23	BOK	e	08 26 16					eS*	51 01		
23	BOK	e	08 30 06				BOM	ePn	21 50 55	1.7	
23	BOK	e	08 51 47					iSn	51 18		
23	BOK	e	09 22 58					Sg	51 20		
23	Epc: 0.7°N, 122.5°E, -H=09h 19, 58.4s(USCGS), Depth = 166 Kms. Mag. = 5.2(CGS).	SHL	iP	09 26 47	E	23	MDR	e	23 39 02		
		BOK	eP	09 27 16				e	39 03		
		MDR	iP	09 27 28		23	CHA	iPg	23 39 19.5	D	
			e	28 03				Sg	39 32.8	1.0	
		KOD	iP	09 27 45		23	P00	eP	23 41 53		
		P00	iP	09 28 24	D	24	SHL	iPg	01 12 34	CW	
		NDI	iP	09 43 26.7	C			iSg	12 46	0.9	
23	SHL	iP	11 28 11	2.8	CNW	24	SHL	iPg	01 19 08	CNW	
		iS	28 46					iSg	19 19	0.9	
		TOC	eP	11 28 23		24	Epc: 41.4°N, 141.9°E -H=03h 05m 39.0s(USCGS) Depth = 69 Kms. Mag. = 5.7(CGS).	TOC	eP	03 12 35	
		e	28 49					BOK	e	03 13 26	
23	NDI	e	17 12 52					SHL	iP	03 13 41	CSW
		e	13 25					iS	20 09	43.3	
		e	13 29					CHA	eP	03 14 06	46.3
		e	14 02					S	20 53		
23	P00	eP	18 04 27					DDI	eP	03 14 43	
		e	06 08					NDI	iP	03 14 58	CSW
23	KOD	iP	18 09 16.2	CS				eS	22 19	51.7	
								MDR	eP	03 15 43	60.3
								eS	23 58		

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24	P00	iP	03 15 51.5	C		24	SHL	iP	15 30 51	SE		
	BOM	eP	03 15 55	62.3		24	BOM	e	15 56 26			
			16 19					e	59 22			
		PP	18 17					e	16 02 04			
		SS	24 15				TOC	eP	20 23 21			
		i	24 32					e	23 27			
24	NDI	eP	04 56 40	8.4				i	24 23			
		iS	58 17				SHL	eP	20 23 44	2.9		
		i	05 00 02					iS	24 20			
24	BOK	e	08 07 13			24	SHL	iP	20 40 45	CNW		
24	BOK	e	08 34 26			25	SHL	iP	00 44 48	D		
24	BOK	e	08 50 17			25	BHK	e	00 47 51.3			
24	Epc: 0.6°N, 21.0°W -H=09h 29m 12.3s(USCGS), Depth = 33 Kms Mag. = 4.9(CGS)	BOM	eP	09 42 16				e	48 53.9			
			e	48 18								
			i	50 49		25	Epc: 29.0°N, 81.0°E -H=00h 47m 39s (New Delhi)	NDI	iPn	00 48 30		
		P00	eP	09 42 46	98.0				iPg	48 42		
			SKS	53 26					i	49 05		
		NDI	eP	09 43 03					i	50 04.8		
			e	45 06					iSn	50 07.8		
			i	55 23					iSg	50 21.0		
		KOD	eP	09 43 07	D	101.5		CHA	iP	00 49 11.2	6.2	
			iSKS	53 46				S	50 24.2			
			iS	54 38				SHL	iP	00 50 03	CNE	
		SHL	e	09 46 44				P00	eP	00 50 36		
			i	48 32				BOM	e	00 53 23		
		MDR	e	09 46 57					e	54 19		
			e	56 25								
			i	57 20								
		CHA	e	09 47 10			25	SHL	iPg	01 21 11	C	
		BOK	e	09 47 11					iSg	21 24	1.0	
		PBA	e	09 49 05								
			i	58 45								
		DDI	e	09 54 28			25	DDI	eP	01 48 20		
			i	10 15 02					e	48 57		
			i	20 25.7								
		HYD	e	09 56 27			25	Epc: 36.6°N, 71.6°E, -H= 01h 50m 19.4s (USCGS), Depth = 281 Kms. Mag. = 5.7 (CGS)	BHK	Pn	01 51 56.1	CSE
			i	10 10 55					P*	52 10.9	6.6	
24	Epc: 30.1°N, 104.1°E, -H=14h 45m 16.0s(USCGS) Depth = 33 Kms. Mag. = 5.4(CGS)	TOC	eP	14 47 31					i	52 16.5		
		SHL	iP	14 48 03	D	11.8			i	52 58.7		
			eS	50 24					i	53 06.5		
			SS	50 38					Sn	53 28.7		
		CHA	iP	14 48 50	C				S*	53 41.7		
		MDR	e	14 49 14					Sg	53 41.7		
			e	52 59								
		BOK	eP	14 49 18				DDI	iP	01 52 17.5	D	
		NDI	eP	14 50 24	23.8				eS	53 45.6	8.5	
			eS	54 37								
		KOD	iP	14 51 41	DE			NDI	iP	01 52 29	CSE	
24	Epc: 5.5°S, 152.9°E -H = 15 20m 03.9s(USCGS) Depth = 69 Kms. Mag. = 5.0(CGS).	SHL	iP	14 51 41	DE				i	53 57	9.2	
			iS	54 04					iS	54 04	N	
			PP	53 49					iP	01 53 30	14.3	
			i	54 42								
			iS	56 06								
			SSS	56 48								

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27 SHL ePg 19 58 15 1.2
iSg 58 31

28 Epc: 24.8°N, 121.8°E
Taiwan. -H=01h 40m 26.5s(USCGS)
Depth = 90 Kms. Mag. = 5.2(CGS)

SHL iP 01 46 04 CNW
CHA iP 01 46 41 D
NDI eP 01 47 53 C
KOD iP 01 48 33 DNE
P00 eP 01 48 35

28 NDI eP 02 53 24

28 SHL iP 02 56 20 D

28 Epc: 30.2°N, 69.5°E,
-H=02h 58m 33.7s(USCGS)
Depth = 39 Kms.
Mag. = 4.5(CGS).

NDI eP 03 00 15

28 CHA e 03 00 22

SHL eP 03 03 07

KOD iP 03 03 20

28 BOM e 03 04 -

28 SHL eP 03 49 48

28 P00 iP 05 22 40 D

28 NDI ePn 05 26 57
eSn 27 23

28 BOK e 07 19 12

28 BOK e 08 31 02

28 KOD iP 08 47 23 CSW

28 BOK e 08 51 16

28 NDI iPg 13 03 35 DN 0.27
iSg 03 38.5

Epc: 52.4°N, 169.5°W,
-H=13h 52m 58.3s(USCGS)
Depth = 47 Kms.

TOC eP 14 04 27

SHL iP 14 04 36 CSW 74.7
PP 07 35
PPP 09 18
iS 14 12
SSS 22 22

CHA iP 14 04 48 SW 77.0
S 14 33
i 35 16

28 BHK eP 14 04 59

BOK eP 14 05 03 79.2
PP 08 07
PPP 09 55
eS 15 03
PS 15 42
PPS 16 08
SS 20 08

CAL eP 14 05 04 SW
e 14 59

NDI iP 14 05 06.5 CSW 82.0
PP 08 08
PPP 10 09
e 11 38
eS 15 20
SKS 15 24
PS 16 10
SS 20 40

DDI iP 14 05 21 D
e 15 13

PBA iP 14 05 32 C 85.2
iPP 08 51
iPPP 10 49
iS 16 02

SEH iP 14 05 32 NE 85.2
eS 16 02

VIS iP 14 05 35 W 85.6
ePP 08 58
iS 16 07

HYD iP 14 05 52 S 88.2
PP 09 25
SKS 16 24
S 16 36

P00 iP 14 05 57 C
e 16 25
e 22 35

BOM eP 14 05 59 90.7
PP 09 37
PPP 11 36
SKS 16 30
SKKS 16 40
iS 16 54
e 18 02
PS 18 09
SSP 23 06
e 23 27
SSS 26 34

MDR eP 14 06 01 90.8
SKS 16 32
SKKS 16 42
iS 16 56
e 22 43



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28 KOD iP 14 06 21 DS 96.0
i 16 38
iSKS 17 03

28 Epc: 52.3°N, 169.5°W
-H=14h 05m 58.1s(USCGS)
Depth = 54 Kms.
Mag. = 5.0(CGS)

SHL iP 14 17 36 CW
NDI iP 14 18 06 CW

28 NDI iP 14 19 22 D

28 SHL iP 14 24 35 CNE

28 Epc: 52.4°N, 169.4°W,
-H=14h 23m 26.7s(USCGS)
Depth = 47 Kms.
Mag. = 5.2(CGS)

SHL iP 14 35 06 CSW
NDI iP 14 35 35.4 DE

28 EPC 52.5°N, 169.4°W
-H=14h 30m 24.2s(USCGS)
Depth = 33 Kms
Mag. = 4.9(CGS).

NDI iP 14 42 34.5 DE

28 Epc: 52.3°N, 169.3°W
-H=16h 31m 21.1s(USCGS)
Depth = 32 Kms
Mag. = 5.6(CGS)

SHL iP 16 43 02 CSW
CHA iP 16 43 13 C
BOK eP 16 43 29
NDI iP 16 43 32 DE
VIS iP 16 44 02
P00 iP 16 44 24 D
MDR eP 16 44 27
KOD iP 16 44 46 C

28 SHL iP 16 51 06 DNE

28 Epc: 52.3°N, 169.5°W
Fox Island Aleutian
Islands. -H=17h 19m 32.7s
(USCGS). Depth=41 Kms.
Mag. = 4.7(CGS).

SHL iP 17 31 13 CSW
NDI iP 17 31 43 CW
P00 eP 17 32 33
MDR e 17 32 49

28 KOD iP 17 33 07.8 D

28 Epc: 52.3°N, 169.4°W Fox
Islands. Aleutian Islands.
-H=17h 26m 32.8s(USCGS)
Depth = 33 Kms. Mag. = 4.3(CGS)

SHL iP 17 38 13 CSE
NDI eP 17 38 43
P00 eP 17 39 34

28 Epc: 52.4°N, 169.4°W
-H= 17h 42m 01.5s(USCGS)
Depth = 50 Kms. Mag. = 5.6(CGS).

TOC eP 17 53 31
SHL iP 17 53 39
CHA iP 17 53 50
NDI iP 17 54 09 C 80.3
iS 18 04 16
i 04 26
VIS iP 17 54 39
HYD iP 17 54 55 S
i 18 05 19
P00 eP 17 55 01
e 18 08 32
BOM eP 17 55 02 90.5
PP 58 38
SKS 18 05 31
e 05 51
eS 05 56
MDR eP 17 55 04 91.1
SKS 18 05 35
eS 05 58
KOD iP 17 55 24 DNE
28 SHL iPg 19 15 39 CNE 0.5
iSg 15 45
28 SHL iP 20 00 02 DSE 1.3
iS 00 20

28 Epc: 52.5°N, 169.4°W Fox
Islands Aleutian Islands.
-H=20h 48m 34.0s(USCGS)
Depth = 47 Kms. Mag. = 4.4(CGS)

SHL iP 21 00 13 CNE
NDI iP 21 00 42.3 DNE

28 Epc: 52.5°N, 169.5°W
-H=21h 02m 55.0(USCGS)
Depth = 33 Kms.
Mag. = 3.8(CGS).



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28 SHL iP 21 14 34
NDI iP 21 15 04 D

28 SHL iPg 22 13 46 DSW 0.9
iSg 13 57

28 SHL iPg 22 16 13 DNE 1.2
iSg 16 28

28 Epc: 55.0°N, 160.2°E
-H=22h 28m 01.2s(USCGS)
Depth = 113 Kms.
Mag. = 5.1(CGS).
SHL iP 22 37 35 SW

28 TOC eP 23 47 35

28 SHL eP 23 47 55

28 Epc: 52.5°N, 169.6°W
-H=23h 56m 34.2s(USCGS)
Depth = 33 Kms.
Mag. 4.6(CGS)
SHL iP 00 08 14 NE

29 Epc: 47.3°N, 14.3°E, Austria
-H=00h 12m 13.6s(USCGS)
Depth = 25 Kms.
Mag. = 4.6(CGS)
SHL iP 00 22 42 NW

29 NDI e 02 34 35

29 BOM e 03 26 -

29 EPC: 26.5°N, 53.3°E,
Southern Iran.
-H=03h 53m 58.8s(USCGS)
Depth = 42 Kms.
Mag. = 5.1(CGS)
BOM eP 03 58 08
e 58 16
eS 04 01 50
P00 eP 03 58 21
NDI iP 03 58 26
eS 04 02 22 18.7
DDI eP 03 58 36
KOD iP 03 59 37.2 DE
i 59 37.6
SHL iP 04 00 31

29 EPC: 48.0°N, 103.1°E,
Mangolia.
-H=07h 01m 34.7s(USCGS)
Depth = 33 kms.
Mag. = 4.8(CGS).
SHL iP 07 06 48 DNE

29 Epc: 26.5°N, 55.3°E
H=07h 12m 04.8s
Depth = 33 Kms.
Mag. 4.7(CGS)

CHA eP 07 15 23
P00 eP 07 16 27
i 17 32
e 21 34 31.3
NDI eP 07 16 33
eS 19 09 19.6
BOM iP 07 17 17 CE 22.3
PP 17 41
e 17 45
eS 21 19
MDR e 07 17 48
e 24 07
SHL eP 07 18 38
BOK e 07 19 03
KOD iP 07 19 15 DW
NDI e 07 54 46

29 Epc: 26.5°N, 55.2°E
Southern Iran.
-H=07h 56m 39.2s(USCGS)
Depth=38 Kms.
Mag. = 5.2(CGS).
BOM iP 08 00 50
P00 eP 08 01 02 19.7
eS 04 39
NDI eP 08 01 08 CE 20.8
eS 04 56
DDI eP 08 01 18
KOD eP 08 02 19 DNW
i 07 28
MDR eP 08 02 21
e 07 10
CHA e 08 02 48
e 08 04

SHL iP 08 03 12 D
29 SHL eP 09 53 53
29 EPC: 51.9°N, 177.2°E,
-H=12h 10m 27.4s(USCGS)
Depth = 99 Kms.
Mag. = 4.2
SHL iP 12 21 15 DNE
29 SHL eP 14 27 18 1.2
iS 27 35

29 Epc: 24.2°N, 123.6°E
-H=15h 41m 55.8s(USCGS)
Depth=33 Kms. Mag. 4.9(CGS)

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29 TOC eP 15 47 36
SHL iP 15 47 54 CSW
NDI eP 15 49 40

29 EPC: 15.2°N, 146.6°E,
Mariana Islands.
-H=16h 50m 57s(USCGS)
Depth = 33 Kms.
Mag. = 4.7(CGS)
SHL iP 17 00 02 CW
29 SHL iP 19 05 20 CNW
TOC eP 19 05 29
DDI eP 21 14 43
i 16 03
BHK e 21 14 48
i 15 33
NDI eP 21 15 04
CHA eP 21 16 07
i 18 21
SHL eP 21 16 57
29 NDI eP 23 54 36
30 SHL iPg 01 20 13 DSE 0.7
iSg 20 22
Epc: 41.0°N, 44.2°E Western
Caucasus.
-H=01h 20m 31.7s(USCGS)
Depth = 33 Kms
Mag. = 5.0(CGS).
NDI eP 01 26 35 DNW
eS 31 36
P00 eP 01 27 13
CHA iP 01 27 49 C
MDR eP 01 28 20
SHL iP 01 28 21
KOD iP 01 28 26.5
30 BOM e 01 33 27
e 42 12
30 NDI i 04 06 44.5
i 06 46
NDI e 05 33 35
30 NDI e 05 34 50
30 Epc: 25.7°N, 90.4°E
-H=07h 09m 30.1s(USCGS)
Depth = 33 Kms

30 SHL iPg 07 09 53 CNE 0.8
iSg 10 03
CHA iP 07 10 20.9 4.5
i 10 58.4
S 11 13.4
TOC ePn 07 10 39 4.1
eSn 11 28
30 BOK e 07 11 27
NDI eP 07 12 31 12.5
i 14 26
S 14 39
P00 eP 07 13 27
30 BOM eP 07 16 50 8.9
eS 18 32
S* 19 05
Sg 19 32
BOK e 08 12 33
30 BOK e 08 24 20
30 NDI eP 09 51 48 4.2
eS 52 39
30 NDI ePn 10 15 13 7.1
eSn 16 35
30 Epc: 39.3°N, 41.3°E Turkey
-H=12h 25m 00.6s(USCGS)
Depth = 33 Kms.
Mag. = 4.8(CGS)
NDI eP 12 31 22
P00 eP 12 31 53
SHL iP 12 33 09 CSE
30 NDI i 13 21 05
e 22 44
30 SHL eP 14 03 30 2.6
iS 04 03
30 Epc: 4.4°N, 126.1°E
-H=14h 19m 23.8s(USCGS)
Depth = 33 Kms.
Mag. = 5.2(CGS)
SHL iP 14 26 48 E
30 Epc: 26.2°N, 96.2°E. Burma.
-H=21h 05m 30.4s(USCGS)
Depth = 44 Kms
Mag. = 5.5(CGS).
SHL iPn 21 06 30 CSW 3.8
PP 06 36
PPP 06 43
iSn 07 11
SSS 07 36

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30 TOC e 21 07 04
 CHA iPn 21 07 27 8.0
 S 08 55.5
 iSS 09 13.1
 BOK iP 21 07 46 9.4
 PP 07 53
 LQ 09 20
 eS 09 29
 e 09 40
 SS 09 47
 SSS 09 53
 PcP 14 07
 VIS iP 21 08 54
 PBA iP 21 09 13
 i 10 16
 NDI iP 21 09 22.5 DE 16.7
 PP 09 35.5
 iS 12 19
 SS 12 38
 SEH eP 21 09 30 17.5
 PP 09 42
 eS 12 37
 SS 13 13
 PcP 14 09
 30 BHK e 21 09 54.2
 i 13 29.4
 30 MDR iP 21 10 00 E 19.9
 PP 10 20
 eS/LQ 13 29
 e 13 46
 SS 14 13
 P00 iP 21 10 23 C 22.1
 iS 14 23
 BOM iP 21 10 32 CW
 i 10 37
 PP 10 56
 PPP 11 06
 eS 14 29
 LQ 14 40
 SS 15 04
 KOD iP 21 10 41.5 DNE
 31 Epc: 5.7°S, 121.9°E,
 -H=00h 15m 58.2s(USCGS)
 Depth = 271 Kms. Mag.=4.2(CGS)
 SHL iP 00 23 30 SE
 P00 iP 00 24 40.5 D
 31 EPC: 47.9°N, 102.8°E
 Mongolia.-H=03h 35m 36.3s
 (USCGS).Depth=33R
 Mag.=4.9(CGS)
 SHL iP 03 40 49 DN

NDI NDI eP 03 41 23
 31 BOM e 03 56 01
 31 KOD iP 06 35 03.6
 e 35 04
 31 KOD iP 06 36 30.3
 i 36 30.5
 i 36 31 .0
 31 BOK e 07 53 21
 31 MDR e 07 56 08
 31 BOK e 08 13 58
 31 BOK e 08 27 41
 31 Epc: 2.0°S, 125.6°E
 -H=09h 57m 47.0s(USCGS)
 Depth = 33 Kms.
 Mag. = 5.0(CGS).
 SHL iP 10 05 43 DNE
 NDI eP 10 07 20 D
 31 SHL iPg 11 11 30 GSE
 iSg 11 43
 31 Epc: 13.8°N, 120.8°E
 -H=13h 24m 26.0s(USCGS)
 Depth = 197 Kms
 Mag. = 4.8(CGS).
 SHL iP 13 30 14 CNW
 KOD iP 13 32 04.6 DSW
 P00 iP 13 32 26.5 D
 31 EPC: 2.8°N, 84.4°W
 -H=13h 37m 34.3s(USCGS)
 DEPTH = 33 Kms.
 Mag. = 5.3(CGS)
 NDI ePKP 13 57 06
 SHL ePKP 13 57 20 D
 P00 iPKP 13 57 23.5 C
 MDR e 13 57 29
 e 57 36
 e 58 03
 31 SHL iP 15 51 24 DNE
 31 Epc: Epc: 42.8°N, 145.4°E
 Hokkaido Japan Region.
 -H=17h 43m 56.2s(USCGS)
 Depth = 44 Kms.
 Mag. = 5.1(CGS).
 SHL iP 17 52 23
 CHA iP 17 52 45 C
 NDI iP 17 33 30.5 CSW
 MDR e 17 54 22

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P00 eP 17 54 29
 KOD iP 17 54 48.2 D
 Epc: 26.5°N, 55.3°E,
 Southern Iran..
 -H=19h 00m 22.7s(USCGS)
 Depth = 16 Kms.
 Mag. = 5.2(CGS)
 BOM eP 19 04 36 19.5
 e 04 39
 e 05 06
 eS 08 10
 e 08 24
 Epc: 26.5°N, 55.3°E,
 -H=19h 00m 22.7s(USCGS)
 Depth = 16 Kms.
 Mag. = 5.2(CGS).
 P00 eP 19 04 48
 NDI eP 19 04 54
 KOD iP 19 06 04.8 DN
 MDR eP 19 06 08 27.0
 eS 10 57
 CHA eP 19 06 18.5
 SHL iP 19 07 14 CNW 4.2
 iS 08 04

31 TOC e 19 07 25
 31 CHA iP 19 08 06 8.0
 iS 09 38
 31 KOD iP 19 10 31 C
 31 MDR e 19 12 30
 31 P00 eP 19 13 57
 31 SHL iP 20 21 17 CSW
 31 Epc: 24.0°N, 121.6°E
 Taiwan.-H=20h 58m 13.9s
 (USCGS).Depth = 22 Kms
 Mag.=4.9 (CGS)
 NDI eP 21 05 48
 e 05 56
 31 SHL iP 21 30 57 DE
 31 SHL iP 22 12 39 DNE 1.2
 e 12 56
 31 NDI Pg 22 22 53 DS 0.35
 Sg 22 57.5
 31 NDI e 23 13 32
 e 14 15
 e 14 18
 e 14 20

List of felt earthquake report received from voluntary observers for the month of January 1967

No.	Station	Date in G.M.T.	Time in G.M.T. h m	No. of shocks	Duration in secs.	Intensity R.F. Scale	Remarks
	Shillong	13	02 00	1	30	V	
	Shillong	17	00 45	1	30	V	
	Quazi gund	25	01 55	2	30	V	Coming from West
	Srinagar	25	01 53	3	a few seconds each	V	NW to SW

MICROSEISMIC TABULATIONS

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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: Bombay (Colaba)					Station: Bombay (Colaba)				
01	00		Surface Waves		08	00	3	0.7	3.0
	06	2	0.3	2.6				0.3	2.0
	12	2	0.3	2.7		06		Surface waves	
	18	3	0.3	3.0		12	3	0.7	3.5
			0.2	1.8				0.4	3.0
02	00	2	0.3	2.8				0.5	2.2
	06	3	0.5	3.0		18	3	0.5	3.0
			0.2	1.9				0.2	2.0
	12	3	0.5	3.1	09	00	3	0.5	3.4
			0.2	2.0				0.3	2.6
	18	3	0.4	2.9				0.2	2.0
			0.2	2.0		06		Calibration	
03	00	3	0.7	3.2		12	3	0.5	3.5
			0.3	2.4				0.2	2.0
	06		Shock in progress			18	3	0.4	3.7
	12	3	0.5	3.2				0.2	2.0
			0.3	2.0	10	00	3	0.4	3.6
	18	3	0.5	3.0				0.2	2.0
			0.3	2.0		06	3	0.5	3.2
04	00	3	1.0	3.2				0.3	2.2
			0.3	2.6				0.2	1.8
	06	3	0.6	3.5		12	3	0.4	3.6
			0.4	2.8				0.3	2.0
	12	3	0.5	3.4		18	3	0.5	3.5
			0.3	2.0				0.3	2.6
	18	3	0.5	3.1				0.2	2.0
			0.3	2.3	11	00	3	0.5	3.5
05	00	3	0.5	4.0				0.5	3.0
			0.3	3.0				0.2	2.0
	06		Calibration			06	3	0.5	4.0
	12	3	0.3	4.0				0.4	2.7
			0.2	2.0		12		Surface waves	
	18	3	0.4	4.0		18	3	0.4	3.6
			0.2	2.0				0.2	1.6
06	00	3	0.5	4.4	12	00	3	0.4	2.8
			0.2	2.0				0.2	1.8
	06	3	0.5	4.4		06	3	0.6	3.1
			0.2	2.2				0.3	2.1
	12	3	0.7	4.5		12	3	0.6	3.7
			0.4	3.0				0.3	2.0
			0.2	2.0		18	3	0.3	2.7
	18	3	0.9	4.9				0.3	2.0
			0.5	3.0				0.2	1.6
			0.3	2.0	13	00	3	0.4	2.6
07	00	3	1.0	4.8				0.2	2.0
			0.3	2.0		06	3	0.5	2.9
	06	3	0.9	5.2				0.2	2.0
			0.5	3.0		12	3	0.4	3.0
			0.2	1.9				0.3	2.0
	12	3	0.5	3.0		18	3	0.4	3.1
			0.2	2.0				0.3	2.0
	18	3	0.5	3.0				0.2	1.8
			0.2	2.0	14	00	3	0.4	2.5
								0.2	1.8



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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Contd. Station: COLABA BOMBAY					Contd. Station: BOMBAY (COLABA)				
14	06	3	0.5	2.9	20	12	3	0.3	4.4
			0.3	2.3				0.2	2.0
	12	3	0.5	3.0		18	3	0.3	4.6
			0.3	2.2				0.2	2.0
	18	3	0.4	3.0	21	00	3	0.4	6.0
			0.3	2.2				0.3	3.0
15	00	3	0.4	3.0				0.2	2.0
			0.3	2.2		06	3	0.3	5.0
	06	3	0.3	2.2				0.2	2.1
			0.2	1.8		12	3	0.3	4.9
	12	3	0.3	2.9				0.2	2.0
			0.3	2.1		18	3	0.3	4.8
	18	3	0.3	2.7				0.3	2.0
			0.3	2.0	22	00	3	0.3	4.9
16	00	3	0.3	3.0				0.3	2.5
			0.2	2.1				0.2	2.1
	06	2	0.3	2.7		06	3	0.4	5.0
			0.3	2.8				0.3	2.0
	12	2	0.3	2.6		12	3	0.4	5.0
			0.3	2.6				0.3	2.1
17	00	3	0.3	4.7		18	3	0.4	4.8
			0.3	2.1				0.3	2.0
	06	3	0.3	4.7	23	00	3	0.4	5.7
			0.3	2.2				0.3	4.0
	12	3	0.3	4.4		06	3	0.5	5.9
			0.3	2.4				0.4	4.3
	18	3	0.3	4.5		12	3	0.4	4.2
			0.3	2.2				0.3	2.2
18	00	3	0.3	4.4		18	3	0.4	4.4
			0.3	2.1				0.2	2.2
	06		Shock in progress		24	00	3	0.5	5.1
	12	3	0.3	4.8				0.2	2.0
			0.3	2.6		06	3	0.4	5.0
	18	3	0.4	5.3				0.3	2.0
			0.3	4.0		12	2	0.3	2.1
			0.3	3.0		18	3	0.4	4.9
19	00	3	0.4	5.6				0.3	2.1
			0.3	4.0	25	00	3	0.4	5.0
			0.2	2.0				0.3	2.2
	06	3	0.3	5.0		06	3	0.4	5.0
			0.2	2.0				0.3	2.2
	12	3	0.3	5.1		12	3	0.4	5.1
			0.3	3.8				0.3	2.6
			0.2	2.0		18	3	0.4	5.1
	18	3	0.3	5.0				0.3	2.2
			0.3	4.0	26	00	3	0.4	5.0
			0.2	2.0				0.3	2.5
20	00	3	0.3	4.9		06	3	0.4	5.0
			0.3	4.0				0.4	2.8
			0.2	2.0				0.3	2.0
	06	3	0.3	4.3		12	3	0.3	5.5
			0.2	1.9				0.4	2.9
						18	3	0.3	5.3
								0.2	2.0

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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: BOMBAY (COLABA)					Station: BOMBARO				
27	00	3	0.3	0.2	05	00	3	0.8	4.0
	06	3	0.4	2.2		06	3	0.7	4.2
			0.2	1.5		12	3	0.6	4.3
	12	3	0.4	2.3		18	3	0.5	4.0
			0.2	1.6	06	00	3	0.5	3.4
	18	3	0.3	2.3		06	3	0.5	4.2
			0.2	1.5		12	3	0.7	3.5
28	00	3	0.3	2.5		18	3	0.5	3.8
			0.2	1.8	07	00	3	0.5	3.8
	06	3	0.4	5.0		06	...	-	-
			0.2	1.6		12	3	0.4	3.1
	12	3	0.4	2.0		18	3	0.4	3.1
	18	Shock in progress			08	00	3	0.4	3.0
29	00	2	0.4	2.7		06	3	0.5	3.2
	06	3	0.3	2.7		12	3	0.3	3.2
			0.2	2.0		18	3	0.3	3.3
	12	3	0.3	2.9	09	00	3	0.2	3.2
			0.2	2.0		06	3	0.2	4.0
	18	3	0.3	5.0		12	3	0.2	4.2
			0.3	2.1		18	3	0.2	4.1
30	00	3	0.3	5.0	10	00	3	0.3	4.7
			0.3	2.0		06	3	0.3	3.6
	06	3	0.3	5.0		12	3	0.3	3.4
			0.2	2.2		18	3	0.3	4.0
	12	3	0.3	5.1	11	00	3	0.3	3.8
			0.3	2.7		06	3	0.3	3.4
	18	3	0.3	5.0		12	...	-	-
			0.2	2.1		18	3	0.4	3.7
31	00	3	0.3	2.1	12	00	3	0.4	3.6
	06	3	0.3	4.8		06	...	-	-
			0.2	1.9		12	...	-	-
	12	3	0.3	4.7		18	...	-	-
			0.2	2.0	13	00	...	-	-
	18	3	0.3	5.5		06	3	0.2	3.5
			0.3	2.0		12	3	0.2	4.6
Station: BOKARO						18	3	0.2	4.2
01	00	...	-	-	14	00	3	0.2	4.3
	06	-	-	-		06	3	0.1	4.5
	12	-	-	-		12	3	0.2	4.6
	18	3	0.2	5.2		18	3	0.2	4.6
02	00	3	0.2	4.8	15	00	3	0.2	4.5
	06	...	-	-		06	3	0.2	5.0
	12	...	-	-		12	3	0.3	4.9
	18	3	0.2	4.5		18	3	0.3	5.0
03	00	3	0.3	4.5	16	00	3	0.2	5.0
	06	...	-	-		06	3	0.2	5.5
	12	...	-	-		12	3	0.2	5.6
	18	3	0.3	4.6		18	3	0.3	5.2
04	00	3	0.3	3.8	17	00	3	0.3	5.9
	06	3	0.5	3.6		06	3	0.3	5.5
	12	3	0.7	3.8		12	3	0.3	5.2
	18	3	0.7	4.5		18	3	0.3	5.1

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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: Bokaro					Station: Bokaro				
8	00	3	0.3	5.4	31	00	3	0.2	4.6
	06	...	-	-		06	3	0.2	5.3
	12	3	0.3	5.2		12	3	0.3	5.0
	18	3	0.3	5.5		18	...	-	-
9	00	3	0.3	5.2	Station: Calcutta (Alipore).				
	06	3	0.2	5.0	01	00	...	-	-
	12	3	0.3	5.4		06	3	0.5	4.2
	18	3	0.3	5.1		12	3	0.5	4.0
20	00	3	0.3	5.2		18	3	0.4	4.2
	06	3	0.4	5.8	02	00	3	0.5	4.0
	12	3	0.3	5.8		06	3	0.6	3.8
	18	3	0.4	6.0		12	3	0.5	4.0
21	00	3	0.4	6.5		18	3	0.5	4.2
	06	3	0.3	5.7	03	00	3	0.6	4.0
	12	3	0.3	5.5		06	3	1.5	4.0
	18	3	0.3	5.6		12	3	1.5	4.2
22	00	3	0.3	5.0		18	3	1.8	3.8
	06	3	0.3	4.9	04	00	3	2.1	4.0
	12	3	0.3	5.5		06	1	2.2	4.0
	18	3	0.2	5.1		12	1	2.1	3.8
23	00	3	0.2	5.2		18	1	3.0	3.8
	06	3	0.2	4.9	05	00	2	3.1	3.8
	12	3	0.3	5.4		06	2	3.2	4.1
	18	3	0.3	5.6		12	3	2.2	3.8
24	00	3	0.3	5.0		18	3	2.2	4.0
	06	3	0.2	4.8	06	00	3	1.6	4.0
	12	3	0.2	5.2		06	3	2.2	3.8
	18	3	0.2	5.4		12	3	2.0	3.6
25	00	3	0.3	5.2		18	3	1.8	4.0
	06	3	0.3	5.6	07	00	3	1.6	3.8
	12	3	0.3	5.5		06	1	2.2	3.0
	18	3	0.3	6.0		12	1	2.3	3.2
26	00	3	0.3	6.0		18	1	2.2	3.2
	06	3	0.3	5.6	08	00	1	2.1	3.0
	12	3	0.3	5.6		06	1	2.5	3.6
	18	3	0.3	5.6		12	3	1.6	3.2
27	00	3	0.2	5.2		18	3	0.7	3.0
	06	3	0.2	5.6	09	00	3	0.5	3.0
	12	3	0.2	4.0		06	3	0.4	3.4
	18	3	0.3	5.1		12	3	0.4	3.6
28	00	3	0.3	5.3		18	3	0.3	3.6
	06	3	0.2	4.8	10	00	3	0.4	3.8
	12	3	0.3	5.0		06	3	0.4	3.8
	18	...	-	-		12	3	0.5	3.6
29	00	3	0.3	5.4		18	3	0.6	4.0
	06	3	0.2	5.1	11	00	3	0.8	4.0
	12	3	0.2	4.6		06	3	1.0	3.6
	18	3	0.3	5.2		12	...	-	-
30	00	3	0.3	5.2		18	3	0.8	3.6
	06	3	0.3	5.2	12	00	3	1.0	4.0
	12	3	0.3	5.0					
	18	3	0.3	4.9					

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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: CALCUTTA (ALIPORE)					Station: CALCUTTA (ALIPORE)				
Contd.									
12	06	3	0.6	3.6	24	00	3	0.2	3.2
	12	3	0.5	3.4		06	3	0.3	3.4
	18	3	0.4	3.4		12	3	0.3	3.6
13	00	3	0.6	3.8		18	3	0.3	3.4
	06	3	0.3	4.2	25	00	3	0.4	4.0
	12	3	0.3	4.0		06	3	0.3	4.2
	18	3	0.3	3.6		12	3	0.2	4.4
14	00	3	0.2	4.0		18	3	0.2	4.4
	06	3	0.3	3.8	26	00	3	0.2	4.6
	12	3	0.2	3.6		06	3	0.3	4.0
	18	3	0.3	3.8		12	3	0.2	4.2
15	00	3	0.3	4.0		18	3	0.2	4.0
	06	3	0.2	4.2	27	00	3	0.3	4.2
	12	3	0.3	4.0		06	3	0.4	4.2
	18	3	0.3	3.8		12	3	0.3	4.2
16	00	3	0.3	4.2		18	3	0.2	4.0
	06	3	0.8	4.0	28	00	3	0.2	4.2
	12	3	0.6	4.2		06	3	0.3	4.0
	18	3	0.7	4.0		12	3	0.2	4.2
17	00	3	0.6	4.0		18		
	06	3	0.4	3.2	29	00	3	0.2	4.0
	12	3	0.3	3.0		06	3	0.2	4.0
	18	3	0.3	3.4		12	3	0.2	4.0
18	00	3	0.3	3.2		18	3	0.3	4.2
	06	...	0.4	3.2	30	00	3	0.2	4.2
	12	3	0.3	3.6		06	3	0.2	4.0
	18	3	0.3	3.8		12	3	0.3	4.0
19	00	3	0.3	4.0		18	3	0.4	4.2
	06	3	0.5	3.8	31	00	3	0.4	4.2
	12	3	0.4	3.6		06	3	0.2	3.8
	18	3	0.4	3.8		12	3	0.3	3.6
20	00	3	0.3	3.6		18	3	0.3	3.4
	06	3	0.4	4.2	Station: MADRAS				
	12	3	0.3	4.0	01	...		Earthquake	
	18	3	0.5	4.2	03	2	0.5	3.1	
21	00	3	0.4	4.0	06	2	0.5	3.0	
	06	3	0.4	3.8	12	2	0.5	3.0	
	12	3	0.3	3.6	18	2	0.6	3.0	
	18	3	0.3	3.4	02	00	2	0.6	3.0
22	00	3	0.3	3.6		03	2	0.6	3.0
	06	3	0.4	4.0		06	2	0.6	3.0
	12	3	0.3	3.8		12	2	0.6	3.0
	18	3	0.3	3.8		18	2	0.6	3.0
23	00	3	0.4	4.0	03	00	2	0.6	3.1
	06	3	0.3	3.8		03	2	0.6	3.1
	12	3	0.3	3.8		06	...	Earthquake	
	18	3	0.3	3.2		12	2	0.7	3.5
			0.3	3.0		18	2	0.8	4.1



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DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
Station: MADRAS					Station: MADRAS				
04	00	2	0.8	4.1	13	00	1	0.9	4.5
	03	2	0.9	4.1		03	1	0.9	4.5
	06	1	1.0	4.2		06	2	0.8	4.1
	12	1	0.9	4.3		12	2	0.8	4.1
	18	1	1.0	4.3		18	2	0.7	3.9
05	00	1	1.2	4.5	14	00	2	0.7	4.1
	03	1	1.0	4.5		03	2	0.6	4.1
	06	1	1.1	4.5		06	2	0.6	4.0
	09	1	1.2	4.5		12	2	0.5	3.7
	12	1	1.2	4.6		18	2	0.5	3.7
	15	1	1.1	4.7	15	00	2	0.4	3.7
	18	1	1.1	4.8		03	2	0.4	3.7
	21	1	1.1	4.8		06	2	0.4	3.2
06	00	1	1.1	4.9		12	2	0.4	3.1
	03	1	1.1	5.0		18	2	0.4	3.2
	06	1	1.1	5.0	16	00	2	0.5	3.4
	09	1	1.1	5.0		03	2	0.5	3.5
	12	1	1.1	5.0		06	2	0.5	3.2
	15	1	1.1	5.0		12	2	0.5	3.1
	18	1	1.3	5.3		18	2	0.4	3.1
	21	1	1.4	5.2	17	00	2	0.4	3.2
07	00	1	1.5	5.4		03	2	0.4	3.5
	03	1	1.6	5.4		06	2	0.4	3.5
	06	1	1.7	5.5		12	2	0.4	3.2
	09	1	1.8	5.4		18	2	0.4	3.2
	12	1	1.6	5.3	18	00	2	0.4	3.2
	15	1	1.5	5.3		03	2	0.3	3.2
	18	1	1.4	5.2		06	...	Earthquake	
	21	1	1.3	5.1		12	2	0.3	3.2
08	00	1	1.1	4.9		18	2	0.3	3.2
	03	1	1.1	4.8	19	00	2	0.3	3.1
	06	1	1.0	4.8		03	2	0.3	3.3
	12	2	0.7	4.3		06	2	0.3	3.4
	18	2	0.7	4.3		12	2	0.3	3.2
09	00	2	0.7	4.1		18	2	0.3	3.1
	03	2	0.6	4.1	20	00	2	0.3	3.1
	06	2	0.6	4.1		03	...	Earthquake	
	12	2	0.7	4.0		06	2	0.4	3.1
	18	2	0.7	4.1		12	2	0.3	3.1
10	00	2	0.8	4.1		18	2	0.3	3.1
	03	2	0.8	4.0	21	00	2	0.3	3.1
	06	2	0.8	4.0		03	2	0.3	3.1
	12	2	0.9	4.1		06	2	0.4	3.1
	18	1	1.0	4.2		12	2	0.4	3.1
11	00	1	1.1	4.1		18	2	0.4	3.1
	03	1	1.2	4.3	22	00	2	0.4	3.1
	06	1	1.2	4.3		03	2	0.3	3.0
	12	1	1.2	4.1		06	2	0.3	3.0
	18	1	1.2	4.2		12	2	0.3	3.1
12	00	1	1.3	4.6		18	2	0.3	3.0
	03	1	1.2	4.6	23	00	2	0.3	3.0
	06	1	1.3	4.8		03	2	0.3	3.1
	09	1	1.1	4.5		06	2	0.3	3.1
	12	1	1.1	4.5		12	2	0.3	3.1
	18	1	1.1	4.5		18	2	0.3	3.1

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DATE HOUR K MEAN MEAN DATE HOUR K MEAN MEAN
Amplitude Period GMT Amplitude Period
in mm in sec.

Station: SHILLONG

Station: SHILLONG

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
02	00	3	0.3	4.0	12	00	3	0.3	4.0
	06	3	0.3	3.8		06	3	0.2	3.8
	12	3	0.3	4.0		12	3	0.2	4.0
	18	3	0.4	4.2		18	3	0.3	4.0
03	00	3	0.3	4.0	13	00	3	0.4	4.0
	06	...	-	-		06	3	0.4	4.0
	12	3	0.4	5.0		12	3	0.3	3.8
	18	3	0.4	4.0		18	3	0.3	3.8
	21	3	0.4	4.2					
04	00	1	0.4	4.6	14	00	3	0.3	4.0
	03	1	0.3	3.6		06	3	0.3	4.0
	06	1	0.3	3.8		12	3	0.3	4.4
	09	1	0.4	4.0		18	3	0.3	4.0
	12	1	0.4	4.2	15	00	3	0.3	4.0
	15	1	0.5	4.0		06	3	0.4	4.4
	18	1	0.5	4.0		12	3	0.4	4.4
	21	1	0.5	4.0		18	3	0.4	5.0
05	00	1	0.5	4.0	16	00	3	0.4	5.0
	03	1	0.5	4.0		06	3	0.5	4.8
	06	1	0.5	4.0		12	3	0.5	4.0
	09	1	0.4	4.0		18	3	0.4	5.0
	12	1	0.4	3.8	17	00	3	0.4	5.0
	15	1	0.5	4.0		06	3	0.4	4.0
	18	1	0.4	3.8		12	3	0.3	4.0
	21	1	0.4	3.8		18	3	0.4	4.2
06	00	1	0.3	3.6	18	00	3	0.4	4.0
	03	1	0.4	4.0		06	...	-	-
	06	1	0.3	3.8		12	3	0.4	4.4
	09	1	0.4	4.0		18	3	0.4	4.2
	12	1	0.4	4.0	19	00	3	0.4	4.8
	15	1	0.4	4.2		06	...	-	-
	18	1	0.4	4.0		12	3	0.3	4.0
	21	1	0.3	3.8		18	3	0.4	4.2
07	00	1	0.3	3.8	20	00	3	0.3	4.0
	06	3	0.2	3.0		06	3	0.3	4.0
	12	3	0.2	3.0		12	3	0.2	4.4
	18	3	0.2	3.0		18	3	0.3	5.0
08	00	3	0.2	3.0	21	00	3	0.3	4.8
	06	3	0.3	3.8		06	3	0.3	4.8
	12	3	0.3	3.8		12	3	0.3	4.4
	18	3	0.3	4.0		18	3	0.3	4.4
09	00	3	0.3	4.0	22	00	3	0.2	4.0
	06	3	0.3	4.2		06	3	0.3	4.0
	12	3	0.3	4.0		12	3	0.3	4.4
	18	3	0.3	4.0		18	3	0.2	4.0
10	00	3	0.3	4.0	23	00	3	0.2	4.0
	06	3	0.3	4.0		06	3	0.2	4.0
	12	3	0.3	3.8		12	3	0.2	4.0
	18	3	0.3	3.8		18	3	0.2	4.0
11	00	3	0.3	3.8	24	00	3	0.2	3.8
	06	3	0.2	3.8		06	3	0.2	3.8
	12	3	0.2	4.0		12	3	0.1	3.6
	18	3	0.3	3.6		18	3	0.2	3.8

JANUARY 1967



DATE HOUR K MEAN MEAN DATE HOUR K MEAN MEAN
GMT Amplitude PERIOD GMT Amplitude Period
in mm in sec.

Station: SHILLONG

DATE	HOUR	K	MEAN Amplitude in mm	MEAN PERIOD in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN PERIOD in sec.
25	00	3	0.2	4.0	07	00	2	0.8	6.0
	06	...	-	-		06	2	0.7	5.4
	12	3	0.3	5.0		12	2	0.9	5.0
	18	3	0.4	5.0		18	2	0.9	5.6
26	00	3	0.4	4.4	08	00	2	0.7	6.0
	06	3	0.2	4.8		06	...	-	-
	12	3	0.3	4.4		12	2	0.4	5.0
	18	3	0.3	4.4		18	2	0.5	3.8
27	00	3	0.3	4.8	09	00	2	0.7	4.0
	06	3	0.2	4.2		06	2	0.7	4.0
	12	3	0.3	4.2		12	2	0.7	4.0
	18	3	0.3	3.8		18	2	0.7	4.0
28	00	3	0.3	3.8	10	00	2	0.7	4.0
	06	3	0.3	4.0		06	2	0.7	4.0
	12	3	0.3	4.0		12	2	0.7	4.0
	18	3	0.3	4.0		18	2	0.5	4.0
29	00	3	0.3	4.0	11	00	2	0.4	4.0
	06	3	0.3	4.8		06	2	0.5	4.0
	12	3	0.3	4.0		12	...	-	-
	18	3	0.4	4.6		18	2	0.5	4.0
30	00	3	0.3	4.4	12	00	2	0.5	4.0
	06	3	0.3	4.6		06	2	0.4	4.0
	12	3	0.3	4.0		12	2	0.5	4.2
	18	3	0.4	4.0		18	2	0.5	4.0
31	00	3	0.3	4.0	13	00	2	0.5	4.0
	06	3	0.3	4.0		06	2	0.5	4.4
	12	3	0.3	4.2		12	2	0.5	4.0
	18	3	0.3	4.0		18	2	0.7	4.0

Station: TRIVANDRUM

DATE	HOUR	K	MEAN Amplitude in mm	MEAN PERIOD in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN PERIOD in sec.
01	00	2	0.3	3.3	14	00	2	0.9	4.6
	06	2	0.3	3.3		06	2	0.9	4.4
	12	2	0.3	3.3		12	2	0.7	3.8
	18	2	0.3	3.6		18	2	0.6	4.2
02	00	2	0.3	3.3	15	00	2	0.5	4.0
	06	2	0.3	3.3		06	Power Failure	-	-
	12	2	0.3	3.3		12	2	0.3	4.0
	18	2	0.3	3.3		18	0,0	-	-
03	00	2	0.3	3.0	16	00	2	0.3	4.0
	06	...	-	-		06	2	0.3	3.4
	12	2	0.3	3.0		12	2	0.3	3.3
	18	2	0.3	3.0		18	2	0.3	3.3
04	00	2	0.5	4.0	17	00	2	0.3	3.6
	06	2	0.5	4.0		06	2	0.3	3.3
	12	2	0.5	4.6		12	0,0	-	-
	18	2	0.6	4.0		18	2	0.4	3.0
05	00	2	0.7	4.0	18	00	2	0.3	3.0
	06	2	0.7	4.0		06	...	-	-
	12	2	0.5	4.0		12	2	0.4	3.3
	18	2	0.7	5.0		18	2	0.4	3.3
06	00	2	0.8	5.6	19	00	2	0.5	3.3
	06	2	0.9	6.0		06	2	0.5	3.3
	12	2	0.9	5.6		12	2	0.4	3.3
	18	2	1.0	6.0		18	2	0.4	3.3

JANUARY 1967

DATE HOUR K MEAN MEAN
GMT Amplitude Period
in mm in sec.

Station: TRIVANDRUM

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
20	00	2	0.3	3.3
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
21	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	2	0.4	3.3
22	00	2	0.5	3.3
	06	2	0.3	3.3
23 to 28	00 to 18	0,0	-	-
29	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	2	0.7	3.0
30	00	2	0.4	3.0
	06	0,0	-	-
	12	0,0	-	-
	18	2	0.3	3.2
31	00	2	0.3	3.2
	06	0,0	-	-
	12	0,0	-	-
	18	2	0.4	3.2

Station: GOA (COMPONENT E-W)

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
01	00	3	0.7	3.8
	06	3	0.5	3.0
	12	3	0.4	3.0
	18	3	0.4	3.0
02	00	3	0.5	3.0
	06	3	0.4	3.0
	12	3	0.6	3.2
	18	3	0.6	3.2
03	00	3	0.7	3.2
	06	...	-	-
	12	3	0.4	3.0
	18	3	0.5	2.8
04	00	3	0.8	3.6
	06	3	0.5	2.6
	12	3	0.9	3.4
	18	3	0.8	3.6
05	00	...	-	-
	06	3	1.1	4.0
	12	3	0.5	3.0
	18	3	0.5	3.0
06	00	3	0.6	3.0
	06	3	1.0	3.8
	12	3	1.0	4.0
	18	3	1.2	2.0

Station: GOA (Component E-W)

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
07	00	3	1.0	3.6
	06	3	0.8	3.6
	12	3	1.1	4.0
	18	3	0.8	3.2
08	00	3	0.6	3.0
	06	...	-	-
	12	3	0.5	2.6
	18	3	0.8	2.6
09	00	3	0.9	3.8
	06	3	0.5	2.8
	12	3	0.8	3.2
	18	3	0.5	2.4
10	00	3	0.5	2.6
	06	3	0.5	3.0
	12	3	0.5	2.6
	18	3	0.5	2.6
11	00	3	0.5	2.6
	06	3	0.5	2.8
	12	...	-	-
	18	3	1.0	4.0
12	00	3	1.2	3.4
	06	3	0.7	3.4
	12	3	0.2	2.6
	18	3	0.5	2.0
13	00	3	0.6	2.0
	06	3	0.8	3.4
	12	...	-	-
	18	3	0.6	3.0
14	00	3	0.5	3.0
	06	3	0.8	4.0
	12	3	0.8	3.8
	18	...	-	-
15	00	3	0.7	3.8
	06	3	0.5	3.2
	12	3	0.5	3.0
	18	3	0.4	3.0
16	00	3	0.5	3.0
	06	3	0.5	3.0
	12	3	0.4	2.6
	18	3	0.5	3.2
17	00	3	0.5	3.8
	06	3	0.5	3.4
	12	3	0.4	3.2
	18	3	0.5	3.0
18	00	3	0.6	3.0
	06	...	-	-
	12	3	0.6	2.8
	18	3	0.4	2.6
19	00	3	0.5	3.0
	06	3	0.6	2.8
	12	3	0.7	3.0
	18	3	0.4	3.0

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DATE HOUR K MEAN MEAN
GMT Amplitude Period
in mm in sec.

Station: GOA (Component E-W)

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
20	00	3	0.4	2.6
	06	3	0.5	3.0
	12	3	0.7	3.0
	18	3	0.7	3.0
21	00	3	0.5	3.2
	06	...	-	-
	12	3	0.3	1.4
	18	3	0.3	1.2
22	00	3	0.2	1.2
	06	...	-	-
	12	3	0.1	1.0
	18	0,0	-	-
23	00	0,0	-	-
	06	3	0.2	1.2
	12	3	0.1	1.0
	18	3	0.1	1.0
24	00	0,0	-	-
	06	3	0.3	2.0
	12	3	0.1	1.0
	18	3	0.1	1.0
25	00	0,0	-	-
	06	0,0	-	-
	12	3	0.2	1.2
	18	3	0.3	1.6
26	00	3	0.2	1.4
	06	0,0	-	-
	12	3	0.1	1.0
	18	0,0	-	-
27	00	3	0.1	1.0
	06	...	-	-
	12	...	-	-
	18	3	0.2	1.6
28	00	3	0.2	1.5
	06	3	0.1	1.6
	12	3	0.2	1.8
	18	3	0.2	1.5
29	00	...	-	-
	06	...	-	-
	12	...	-	-
	18	...	-	-
30	00	3	0.1	1.0
	06	...	-	-
	12	...	-	-
	18	...	-	-
31	00	...	-	-
	06	...	-	-
	12	3	0.2	2.6
	18	3	0.2	2.4

Station: VISAKHAPATNAM

DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
01	00	A 00	-	-
	06	2	0.5	3.4
	12	2	0.5	3.1
	18	2	0.5	3.1
02	00	00	-	-
	06	1	0.2	2.6
	12	1	0.2	2.4
	18	1	0.3	2.7
03	00	1	0.3	2.8
	06	B....	-	-
	12	1	0.6	3.3
	18	1	0.7	3.4
04	00	1	0.3	3.6
	06	1	0.7	4.0
	12	1	0.8	4.0
	18	1	0.9	4.0
05	00	1	1.1	3.9
	06	1	1.2	4.0
	12	1	1.1	4.0
	18	1	1.1	3.8
06	00	1	1.1	3.7
	06	1	1.1	4.0
	12	1	1.2	4.1
	18	1	1.2	4.2
07	00	C....	-	-
	06	1	1.1	3.9
	12	1	0.8	3.4
	18	1	0.8	3.4
08	00	1	0.6	3.3
	06	1	0.5	3.2
	12	1	0.5	3.5
	18	1	0.5	3.5
09	00	2	0.5	3.3
	06	2	0.5	3.1
	12	2	0.5	3.2
	18	2	0.5	3.1
10	00	2	0.5	2.9
	06	00	-	-
	12	00	-	-
	18	1	0.5	3.4
11	00	1	0.6	3.5
	06	1	0.9	3.3
	12	B....	-	-
	18	1	1.0	3.2
12	00	1	0.8	3.5
	06	1	0.8	3.1
	12	1	0.6	2.9
	18	1	0.6	2.9

JANUARY



DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.	DATE	HOUR	K	MEAN Amplitude in mm	MEAN Period in sec.
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Station: VISAKHAPATNAM

Station: VISAKHAPATNAM

13	00	1	0.5	2.8
	06	2	0.5	3.1
	12	2	0.5	3.2
	18	2	0.4	3.1
14	00	2	0.4	3.0
	06	00	-	-
	12	00	-	-
	18	00	-	-
15	00	00	-	-
	06	00	-	-
	12	00	-	-
	18	00	-	-
16	00	00	-	-
	06	00	-	-
	12	00	-	-
	18	00	-	-
17	00	00	-	-
	06	2	0.5	3.4
	12	2	0.5	3.6
	18	2	0.5	3.7
18	00	00	-	-
	06	B....	-	-
	12	2	0.5	3.5
	18	00	-	-
19	00	00	-	-
	06	2	0.5	3.4
	12	2	0.5	3.7
	18	2	0.5	3.5
20	00	00	-	-
	06	2	0.6	3.6
	12	2	0.6	3.6
	18	2	0.5	3.6
21	00	00	-	-
	06	2	0.5	3.8
	12	2	0.5	3.3
	18	2	0.4	3.0
22	00	00	-	-
	06	2	0.4	3.1
	12	2	0.4	3.0
	18	2	0.4	2.8

23	00	00	-	-
	06	2	0.4	2.8
	12	2	0.4	2.9
	18	2	0.4	2.5
24	00	00	-	-
	06	2	0.3	2.5
	12	2	0.3	2.6
	18	00	-	-
25	00	00	-	-
	06	2	0.4	3.6
	12	B....	-	-
	18	00	-	-
26	00	00	-	-
	06	2	0.5	4.2
	12	00	-	-
	18	00	-	-
27	00	00	-	-
	06	2	0.4	4.6
	12	2	0.4	4.7
	18	00	-	-
28	00	00	-	-
	06	2	0.4	4.2
	12	2	0.4	3.4
	18	B....	-	-
29	00	00	-	-
	06	B....	-	-
	12	2	0.4	4.9
	18	2	0.4	4.9
30	00	00	-	-
	06	2	0.4	4.9
	12	2	0.4	4.9
	18	2	0.4	4.9
31	00	00	-	-
	06	2	0.4	5.0
	12	2	0.4	5.1
	18	2	0.4	5.0

A = Microseisms not measurable
 B = Earthquake in progress
 C = No record due to power failure.