

1937
 Complete
 Colaba, Bombay

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS.
			h.	m.	s.				
1937							μ	km.	
Jan. 4	N,E N	e e	23	7	42				Time uncertain due to congestion of lines.
5	E N,E N,E	iP iS F	0	5	46			(7200)	Slight. Distant. Deep focus? Epc : 40°S., 135°E., North-West New Guinea.
5	E N,E N,E	iP e eS	4	57	12			(7235)	Slight. Deep focus? Near Northwest New Guinea.
5	N,E E N,E N	e e i i	11	18	30				Slight. Deep? Epc : North Riu Kiu Islands (Chiufeng).
5	N,E N,E N,E	e e F	17	4	32				
5	N N,E N E N,E	eP S Mn Mn F	21	47	25			6020	Slight. Epc : 31°N., 132°E. South off Japan. O : 21h 38m 0s
7	N N,E N,E	iP eS F	6	22	24			6750	Slight. Epc : 35°8' N, 141°E. Japan. O : 6h 12m 15s
7	N,E N,E N,E N,E N,E N E N E	iP PP iS SS L Mn Mn F F	13	26	25			2955	Great. Epc : 35°N., 96.5 E. China. O : 13h 20m 42s 35°5' N., 97°5E. (U.S.C.G.S.) 36°1' N., 98°6E. (J.S.A.)
7	N,E N,E N N,E	e e Mn F	17	56					Aftershock of the previous great shock ?
12	N,E N,E N,E E N,E	e e e Mn F	5	49					Feeble. Near.
15	N,E N,E	e e	5	25	8				
16	E E N,E N,E N,E	eP(?) i S L (?) F	13	22	30			2480	Feeble. Felt strongly at Salona and Gauhati and feebly at Tezpur, Naya Dumka and Shillong.

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER. sec.	AMP. μ	Δ km.	REMARKS.
			h	m.	s.				
1937									
Jan. 16	N,E	e	19	28	10			Feeble, Near.	
	N,E	e		28	32				
	N	Mn		30	32				
	E	Mn		30	39				
	N,E	F		45					
19	N	Mn	13	49	25			Feeble, Distant.	
	E	Mn		50	30				
23	N,E	P	11	8	14		9220	Slight. Surface waves poor. Near Caroline Islands?	
	N,E	S		18	35				
	N,E	PS		19	26				
	E	SS		24	13				
	N	F	12	49					
	E	F	13	00					
25	N	eP	6	47	21		10400	Moderate.	
	E	iP						Epc : 10°6 S., 163°3 E. (J.S.A.)	
	N,E	iSKS		57	53			12°S., 164°E., (U.S.C.G.S.)	
	N,E	S		58	35				
	E	PS		59	30				
	N,E	SS(?)	7	6	0				
	N,E	L		22					
	N	Mn		37	00	16	17		
	E	Mn		37	4	15	12		
	N,E	F	10	6					
28	E	e	11	45	0			Feeble.	
	N	e		48	43				
	N,E	F	12	20					
29	E	iP	(?) 17	36	28		(7300)	Slight. In the region of Marianne Islands. (Chiufeng).	
	N	eP							
	N,E	e		36	43				
	N,E	iS		45	21				
	N,E	e		45	51				
	N,E	F	18	31					
Feb. 1	N,E	e	00	4					
	N,E	F		19					
1	N,E	e	9	25	50			Feeble.	
	N,E	e		35	58				
	N,E	F	10	29					
2	N,E	e	16	22					
	N,E	F	17	18					
5	N,E	e	11	54	28			Feeble.	
	N,E	e		58	9				
	N,E	F	12	24					
8	N,E	e	8	45				Feeble.	
	N,E	e		52					
	N,E	F	9	22					
12	N,E	P	5	4	50		6280	Slight.	
	E	PcP(?)		5	49				
	N,E	e		7	51				
	N,E	S		12	46				
	E	ScS		14	53				
	N,E	L		22					
	N,E	F							

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS.	
			h.	m.	s.					
1937										
Feb.12	N,E	eP	5	39	22			3245	Slight.	
	N,E	iS		44	25				Epc : Gobi desert.	
	N,E	L		48						
	N	Mn		50	41	11	9			
	E	Mn		52	13	7	4			
	N,E	F		6	17					
13	E	e	11	6	44				Feeble.	
	N,E	e		10	4					
	E	F		30						
14	E	e	20	11						
15	E	e	1	31					Feeble.	
	N,E	e		39	14					
	E	F		56						
17	E	M	9	45					Feeble.	
19	N,E	i	10	58	30				Feeble.	
	E	i	11	03	41					
	E	i		04	15					
	E	F		21						
21	N,E	iP	7	13	34			7380	Great.	
	N,E	PcP		14	13				Epc : 45°2 N., 148°6 E. (J.S.A)	
	E	e		17	40					
	N,E	eS		22	30					
	N,E	PS		23	6					
	N,E	ScS		23	40					
	N,E	SS		27	23					
	N,E	L		35						
	N	Mn		43	45	19	127			
	E	Mn		46	47	16	132			
	N,E	F		Mixed up with the following aftershock.						
21	N,E	eP(?)	11	3	7				Feeble. aftershock of the	
	N,E	eS(?)		12	12				previous great shock.	
	N	F	12	6						
	E	F		23						
22	N,E	e	3	4	58				Feeble.	
	E	F		4	22					
22	E	e	4	50					Feeble.	
	E	F		5	43					
22	N,E	e	13	34	31				Feeble.	
	N,E	e		44	4					
	E	F		14	52					
23	E	iP	0	14	43			2765	Feeble.	
	N,E	iS		19	10				Epc : Near 26°5N, 98°5 E.,	
	N,E	F		Mixed up with the following shock.						North-East Frontier of Burma.

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G:M.T.			PER.	AMP.	△ km.	REMARKS.
			h.	m.	s.				
1937									
Feb. 23	N,E	iP	0	59	10			7555	Slight. △ from PP-P. After-shock of 21 ^d 7 ^h .?
	E	PP	1	1	32				
	E	i		3	33				
	N,E	eS(?)		8	18				
	E	i		12	14				
	E	F	3	19	-				
23	N,E	e	9	4	10				Slight.
	N	Mh		11	38				
	N,E	F		25	-				
23	N,E	e	14	2	38				Feeble.
	E	e		4	32				
	E	F		42	-				
	N	F		55	-				
25	N,E	e	0	59	-				Feeble.
	N,E	F	1	40	-				
25	N,E	e	20	2	-				Feeble.
	N,E	e		7	3				
	N,E	F		36	-				
26	N,E	e	4	54	-				Feeble.
	N,E	F	5	29	-				
27	N,E	e	1	25	58				
	E	F	2	21	-				
27	N,E	e	14	51	23				Feeble.
	N,E	e		59	38				
	N	F	15	30	-				
Mar. 4	N,E	e	7	36	-				Feeble.
	N,E	F	8	20	-				
9	N,E	e	8	21	17				Feeble, near.
	N,E	e		23	37				
	N,E	i		24	10				
	N,E	e		25	26				
	N,E	F		44	-				
9	N,E	c (P ₁)	15	59	56		16000	Slight. △ from (PPS-P ₁) Epc : 8°9 N., 83°8 W. H : 15h 40m 20s. (U.S.C.G.S.) Epc : 10°6 N., 83°4 W. (J.S.A.)	
	N	e	16	3	19				
	N	i		6	16				
	N,E	e (PPS)	16	0	-				
	N,E	L(?)	48	-	-				
	N,E	F	18	25	-				
9	N,E	e(P)	20	24	1		2245	P in minute eclipse. Slight. Epc : 29°0 N., 92°5 E.	
	N,E	e(S)		27	46				
	N,E	e		29	33				
	N,E	i		30	23				
	N,E	i		31	37				
	E	Mh		33	45				
	N	F		50	-				
	E	F	21	00	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS.
			h.	m.	s.				
1937									
Mar. 11	N,E	M	18	9	-				Seismic activity.
12	N	eP)(?)	9	28	18		5000		Slight.
	E	iP)							
	N,E	PPP	30	36					
	E	eS)	35	2					
	N	iS)							
	N,E	SS	37	48					
	N,E	ScS	38	18					
	N,E	L	42	-					
	N	Mn	47	27					
	E	F	11	14	-				
	N	F	11	36	-				
13	N,E	e	12	45	-				
	N,E	F	13	20	-				
14	N,E	iP ₁ '	12	15	29		15950		Slight.
	N,E	i	15	45					Epc : 23° S., 71° W.,
	E	e (SKKS)	25	21					O : 11h 56m 01s (J.S.A.).
	E	i	25	33					25° S, 70° W.
	N,E	e	29	16					O : 11h 55m 48s (U.S.C.G.S.).
	E	e(SS)	37	9					Minor damages reported
	N,E	L	59	-					Taltal, Chile.
	E	Mn	13	18	16	20	4		
	N,E	F	14	18	-				
15	N,E	eP(?)	6	3	0		4120(?)		P in minute eclipse.
	N,E	ePP	4	34					Slight, Epc : Sumatra.
	N,E	S(?)	8	55					
	N,E	F	55	-					
16	E	i(P)	15	54	00		5440		No record in N from
	E	i	54	42					14h 34m to 16h 24m. Slight.
	E	i (PP)	55	49					Epc : 18° N., 123° E. Felt
	E	L	16	8	-				in Northern Luzon and slight
	E	Mn	16	38		16	4		in Manila.
	E	F	45	-					
16	N	e)							
	E	i)P	22	40	45				Slight.
	N,E	iS	48	21					
	N,E	F	23	22	-				
19	N,E	iP ₁ '	18	31	31				Slight, very distant.
	N,E	i	31	52					
	N	e)							
	E	i)	35	12					
	N,E	e	53	40					
	E	Mn	19	29	-				
	N	Mn	30	-					
	E	F	19	54	-				
	N	F	20	12	-				

COLABA OBSERVATORY, BOMBAY.

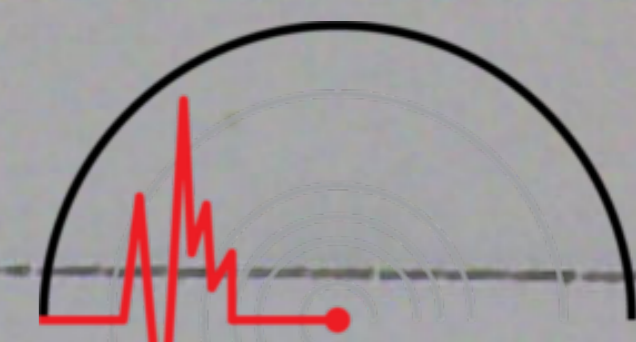
SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP. μ	Δ km.	REMARKS.
			h.	m.	s.				
1937									
Mar. 21	N,E	eP	16	16	45		2300	Slight.	
	N,E	i(pP)?	16	53				Epc : 26°6 N., 92°7 E. near	
	N	PPP	17	14				Tezpur, Assam.	
	N,E	iS	20	35				O : 16 ^h 12 ^m 5 ^s	
	N,E	i(sS?)	20	50				Felt at Dhubri, Sylhet, Bogra,	
	N	PcP	20	55				Jalpaiguri, Cherrapunji,	
	N,E	SS	21	6				Dibrugarh, Gauhati and Salona.	
	N,E	L	22	10					
	N	F	17	21	-				
	E	F	24	-					
Mar. 21	N,E	e	18	18	-			Feeble.	
	N,E	e	24	47					
	N,E	i	26	00					
	N,E	F	46	-					
23	N	e	19	39	44			Feeble.	
	N,E	e	48	7				Epc : 45°5 N. 143°E. (Chiufeng	
	E	F	20	37	-				
23	N	e	01	03	47			Feeble.	
	E	i							
	N,E	e	8	42					
26	N,E	eP	9	55	27		3535	Slight. °	
	N	PPP	56	32				Epc : 11.5 S., 64° E.	
	N,E	S	10	0	45?				
	N,E	L	4	40					
	N	Mn	9	27	11	5			
	E	Mn	9	33	11	4			
	N	F	11	22	-				
27	N,E	e	22	45	-				
	N,E	F	23	25	-				
29	N,E	e	7	59	-				
	N,E	e	8	9	15				
31	N,E	eP?	10	40	21		1920	Feeble. Epc : 28°5N., 88°5 E.	
	N,E	eS	43	40					
	N,E	L	45	16					
	N	Mn	47	24					
	E	Mn	47	44					
	N,E	F	11	24	-				
Apr. 3	N	M	1	42	37				
	E	M	43	15					
3	E	e	21	18	45			Feeble.	
	N,E	i	25	23					
	N,E	F	57	-					

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.

International
Seismological
Centre

DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	Δ	REMARKS.
			h.	m.	s.				
1937									
Apr. 5	N,E	iP	67	07	01			6780	Moderate. P in minute
	N	PP		9	20				eclipse. Surface waves
	N,E	iS		15	26				small.
	N,E	PS		15	51				Epc : 5° S., 130° E. near
	N	ScS		17	4				Banda Islands.
	N,E	SS		19	37				H : 6h 56m 53s.
	N	SSS		22	29				
	N,E	L		27	-				
	N,E	F	10	25	-				
5-6	N,E	e	23	49	26				Feeble.
	N	e		52	24				
	N,E	F	00	22	-				
7	N	M	14	16	7				Seismic activity.
	E	M		16	30				
7	N,E	iP	18	36	22			2720	Slight. Surface waves poor.
	N,E	iS		40	45				Epc : 36° N., 53° E. Persia
	N,E	L		45	-				
	N,E	F	19	24	-				
8	N,E	e	15	24	-				
	N,E	F	16	21	-				
9	N	M	11	26	47				Feeble.
	E	M		27	41				Seismic activity.
12	N,E	e	15	17	-				Feeble.
	N,E	F		32	-				Seismic activity.
14	N,E	e	21	27	-				Feeble.
	N	M		35	45				
	N	F		51	-				
	E	F		57	-				
15	N	M	19	28	38				Feeble.
	E	M		28	33				
15	N	e	20	18	-				
	N	F		51	-				
16	E	eP	3	15	48			12500	Moderate. P in minute
	N,E	P		16	00				eclipse. Δ from mean of
	N,E	e(pP?)		17	27				SKS-P and SS-P.
	N,E	e(sP?)		18	08				Epc : 22° 2' S., 179° 0' E.
	E	i		19	09				H : 03h 01m 34s.
	E	PP		20	28				Depth : 390 \pm km. (J.S.A.)
	N	PP		20	34				
	N,E	ipPP		22	15				
	N,E	i		22	37				
	N,E	iSKS		26	00				
	N,E	i		27	10				
	N,E	ipSKS?		28	00				
	N,E	iSKS		28	45				
	N,E	i		30	00				
	E	iPS		30	23				
	N,E	isSP		32	15				
	N,E	iSS		36	00				
	N,E	e		50	00				
	N,E	F		06	20				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△ km.	REMARKS.	
			h.	m.	s.					
1937										
Apr. 29	N,E	P	19	5	51			10360	Moderate.	
	N,E	ePP		9	32				△ from PP-P.	
	N,E	e		16	32				Epc : 53°8 N., 160°5 W.	
	N,E	S(?)		16	46				Depth : 40 + kms. (J.S.A.)	
	N,E	e		18	35				53°0 N., 161°W. (U.S.C.G.S.)	
	N,E	e(SS)		23	17				H : 18 ^h 52 ^m 40 ^s .	
	N	eL		36	-					
	E	eL		37	-					
	N	Mn		49	23	24	28			
	E	Mn		54	40	19	11			
N,E	F	Lost in following shock.								
29	N,E	e	20	28	22			5870		
	N,E	i		35	55					
	N,E	e		38	19					
	N,E	F	21	36	-					
30	E	eP(?)	19	36	06			1400	Slight.	
	E	eS		38	35				Epc : 29°N., 81°E. in Nepal.	
	E	i		39	15				H : 19 ^h 33 ^m 05 ^s .	
	E	Sg(?)		40	8					
	E	Mn		40	37					
	E	F	20	5	-					
	N	No record.								
30	E	e	20	9	30				Epc : Possibly in the	
	E	e		9	30				neighbourhood of the	
	E	e		10	28				preceding shock.	
	E	e		12	36					
	E	F		32	-					
	N	No record.								
May										
1-2	N,E	e	23	32	10				Feeble, distant.	
	N,E	e		55	-					
	N,E	F	0	37	-					
2	N,E	e	23	20	-				Feeble.	
	N,E	F	0	9	-					
4-5	N	No record								
			from	3	4					
			to	4	10					
			from	6	27					
			to	7	1					
		and from	8	28						
		to	2	30						
4-5	E	No record								
			from	5	0					
			to	5	20					
4	N	e	5	32	43				Slight.	
		e		59	-				Epc : 59°4 N., 152.9 W.	
		F	Lost in shifting.							
6	N,E	e	10	41	31				Feeble.	
	N,E	F	11	10	-					

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS
			h.	m.	s.				
1937 May 9	E	No record from 3 0 to 4 0 and from 4 27 to 9 26							
9	N,E	i(P)	14	57	44				Slight. Epc : 48° 0' N., 150° 5' E, near Kurile Islands. H : 14h 46 ^m 46 ^s .
	N,E	i(S)	15	6	51				
	N,E	e		7	50				
	E	e		11	0				
	E	e		14	-				
	N,E	F	16	40	-				
10	E	e	15	11	0				
	E	e		46	7				
	E	(i)		48	55				
11	E	No record from 3 23 to 39							
12	N,E	i(P?)	2	56	20				7890 Slight. Deep focus. Epc : 3° S, 142° 5' E. Depth : 150 km. (Chiufeng).
	N,E	e		57	17				
	N,E	e		58	15				
	N,E	i(S?)	3	5	40				
	N,E	e		6	18				
	N,E	F	4	10	-				
12.	N,E	eP	13	14	45				3350 Slight. Epc : 0°, 96° E. West of Sumatra.
	N,E	iS		19	50				
	N,E	e		22	30				
	N,E	F	15	22	-				
15	N,E	e	7	59	-				Feeble.
	N,E	F	9	15	-				
16	N,E	e	12	3	-				Feeble.
	N,E	F	13	40	-				
20	N,E	e	12	52	-				Feeble; surface waves ?
	N,E	F	13	40	-				
27	E	e	4	54	-				Feeble.
	N	e	5	9	-				
	E	M	5	16	30				
	E	F	5	44	-				
28	N,E	iP	20	5	49				(6230) Slight. Deep focus. Surface waves very poor.
	N,E	i		8	32				
	N,E	iS	13	43				Sharp maximum movement.	
	N	e		16	57				
	E	i		17	05				
	N,E	F	21	26	-				
29	E	No record from 3 0 to 10 0							
	N	No record from 4 10 to 7 52							

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				AMP.	Δ	REMARKS.
			h.	m.	s.	sec.			
1937									
May 30	E	No record from 2 52 to 4 33							
31	N,E	P	5	37	26		1400	Slight. Δ from P-O. Epc : 29°3' N., 81°0' E. Western border of Nepal. O : 5h 34 ^m 30s.	
	N,E	S (?)		39	42				
	N,E	e		40	24				
	N,E	i		41	6				
	N,E	e		42	22				
	N,E	F	6	7	-				
31	E	e	15	44	23			Slight. Deep focus. Epc : 2°5' S., 159°5' E. (Chiufeng).	
	N,E	i		54	36			Sharp maximum.	
	N,E	F	17	10	-				
June 1	E	e	15	0	0				
	N	e		08	-				
	N	F		19	-				
	E	F		40	-				
7	N	e	3	51	-				
	N	e		56	-				
	N,E	F	4	33	-				
12	N,E	No record from 15 19 to 16 26							
21- 22	N,E	iP'	15	32	50		16500	Moderate. Δ from SS-P' Epc : 8°S, 80° W. (U.S.C.G.S.) Epc : 6°8' S, 79°9' W. H : 15h 13 ^m 17s. Depth : 50+ km. Felt along the western coast of Peru. Some damage to coastal cities particularly Trujillo, 300 miles N-W of Lima. Also felt in Lima. (J.S.A.).	
	N,E	PP		36	22				
	N,E	i		43	20				
	E	i		46	28				
	N,E	i		47	15				
	E	e		48	25				
	E	e		49	50				
	N,E	SS		55	35				
	N,E	SSS	16	01	27				
	N	eL		18	-				
	E	eL		20	30				
	E	e		26	-				
	E	Mn		43	30	19	120		
	N	Mn		43	30	19	116		
	N	F	17	39	-				
	E	F	18	29	-				
30	E	e	14	17	-			Feeble.	
	E	F	15	16	-				
July 1	N,E	iP	11	55	36		2955	Moderate. Epc : 7°5' N, 98° E. North of Sumatra. H : 11h 49 ^m 55 ^s .	
	N,E	PP		56	13				
	N,E	PPP		56	28				
	N,E	e		58	29				
	N,E	PcP		59	11			In minute mark.	
	N,E	iS	12	00	16				
	N,E	SS		01	11				
	N,E	L		03	17				
	N,E	ScS		06	23				
	E	Mn		07	-	16	26		
	N,E	F	14	26	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	Δ	REMARKS.
			h.	m.	s.				
1937									
July 2	E	e(P)	2	50	48		11370	Slight.	Δ from PP-P.
	N,E	i(PP)		54	53				
	N,E	i	3	00	14				
	E	M	34	-		23	16		
	N,E	F	Lost in microseisms.						
4	E	e(P)	6	8	34		10710	Slight.	Δ from PS-P.
	E	i		9	22				
	N,E	e(PP)		12	21				
	N,E	e		14	-	Lost in minute gap.			
	E	e		15	38				
	E	(SKS)		19	00				
	E	(SKKS)		19	36				
	N,E	PS		21	6	(In minute mark)			
	E	PPS		21	38				
	N,E	e		36	07				
	N,E	e	7	03	24				
	N,E	e		11	23				
	E	Mn		27	-	30	26		(Three shocks superposed).
	N,E	F	9	40	-				
10-11	N	No record from 8 20 to 3 40							
	E	No record from 10 0 to 4 1							
11	E	e	13	49	55				Feeble.
	E	e		58	53				
	E	e		59	45?				
	E	e	14	2	59				
	E	e		5	35				
	E	Mn		19	-				
	N	Mn		20	-				
	E	F	15	25	-				
11	E	e	18	30	-				Feeble.
	E	Mn		46	-				
	E	F	19	28	-				
12	E	eP	0	08	00		2955	Slight.	Epc : As of July 1.
	E	e		8	36				
	E	eS?		12	40				
	E	M		20	-	13	9		
	E	F	1	30	-				
14	E	e	22	38	48				Feeble.
	E	e		39	55				
	E	e		41	03				
	E	e		42	10				
	E	eS		47	00				
	E	M	23	7	-				
	N	Mn		9	-				
	E	Mn		10	-	16	6		
	E	F	Lost in microseisms.						

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP. μ	REMARKS.
			h.	m.	s.			
1937								
July 16	N,E	e	10	37	-			Feeble.
	N,E	F	11	23	-			
18	N,E	e	01	58	20			Slight.
	N,E	F	Lost in shifting.					
19	N,E	e	3	15	-			Feeble.
	E	M		48	-			
	E	F	4	45	-			
19	N,E	e	10	9	-			Feeble.
	N,E	e		15	-			
	N,E	F	Lost in microseisms.					
19	N,E	i	19	54	46			Slight.
	E	i		55	26			Epc : 1.5° N., 77.5° W.
	N,E	i		56	46			H : 19h 35 ^m 50 ^s
	N,E	e		58	45			h : 175 km. (J.S.A.).
	N,E	i	20	2	15			
	N,E	e		4	32			
	N,E	e		16	30			
	N,E	F	22	10	-			
22	N,E	e(P)	17	22	24		9770	Moderate.
	N,E	e		28	10			Epc : 64.5° N., 145.1° W.
	N,E	SKS		32	48			H : 17h 09 ^m 36 ^s .
	N,E	S		33	08			Felt all over Central
	E	e		33	28			Alaska (J.S.A.)
	N,E	SS		38	43			
	E	Mn	18	4	-	19	138	
	N	Mn	18	8	-	17	161	
	N	F	21	19	-			
23	N,E	e	20	48	30			
	N	e		49	18			
	E	e		53	-			
	N,E	F	Lost in microseisms.					
26	N	iP'	4	06	27		15550	Slight.
	E,N	i		06	35			Epc : 18.6° N., 95.8° W.
	N	ipPP		10	03			H : 3h 47 ^m 11 ^s .
	E	i		10	09			h : 75 km.
	N	i		13	18			Damage reported from cities
	N,E	F	Confused by microseisms.					along the Gulf coast of
								Mexico etc. (J.S.A.)
								h : 100 km.
26	N	eP)	20	7	06		6655	Moderate.
	E	iP)						Epc : 37° N., 140° E.
	N	i		7	13			40° N., 142° E. (U.S.C.G.S.)
	N	i		7	29			
	N,E	ePP		9	13			
	E	iS		15	24			
	N	eS		15	31			
	E	i		16	01			
	N,E	ScS		17	07			
	N,E	eSS		19	31			
	N,E	L		25	44			
	E	M		33	-	24	52	
	N,E	F	21	22	-			

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP.	Δ	REMARKS.
			h.	m.	s.	sec.				
1937										
July 30	E	e	14	28	-					
	E	F	15	21	-					
31	N,E	eP(?)	20	43	26			4455	Moderate. P In minute gap Epc : In the region of 38° N., 114° E. in China.	
	N,E	PP		44	56					
	N,E	iS		49	41					
	N,E	SS		52	35					
	N,E	ScS		53	17					
	E	Mn		58	-	10	30			
	N	Mn		21	01	-	9	15		
	E	F		22	00	-				
Aug. 1	N,E	eP	10	48	49			4345	Moderate. Epc : Near that of July 31.	
	N,E	PP		50	25					
	N,E	iS		54	58					
	E	SS		57	25					
	N,E	ScS		59	31					
	E	L		11	00	10				
	E	Mn		6	-	11	20			
	N	Mn		6	-	9	7			
	N,E	F		12	37	-				
2	E	i	16	06	13					
	E	Mn		29	-					
	N,E	F	17	14	-					
4-5	N,E	iP	23	40	47			2750	Slight. Epc : 6° N., 94.5° E. Off N. Sumatra.	
	N,E	iPP		41	15					
	N,E	iS		45	12					
	N,E	iSS		46	16					
	N,E	Mn		51	-	16	11			
	N,E	F		2	22	-				
5	N,E	eP(?)	14	55	49			8550	Slight. Preliminary confused by microseisms. Surface waves poor. Epc : 7° S., 149° E. (Strasbourg).	
	E	iS	15	05	40					
	N	eS								
	E	i		06	04					
	N,E	e		10	28					
	E	eL		21	-					
	E	F		16	30	-				
8	N	P?	5	9	-			(2920)	In minute mark.	
	E	eP		9	33					
	E	e		12	41					
	N,E	eS		13	38					
	N,E	e		16	14					
	E	M		16	-					
	N	M		17	-					
	N,E	F	Lost in microseisms.							
9	E	No record from 1 2 to 2 56								
9	E	e	12	54	31					
	E	e		56	23					
	E	F	Lost in microseisms.							

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				AMP.	▲ km.	REMARKS.
			h.	m.	s.	sec.			
1937									
Aug. 9	E	eP	14	49	54		6850	Slight.	
	E	PP		52	21			Epc : 26° N., 140° E.	
	E	eS		58	23			near Bonin Islands.	
	E	SS	15	2	27				
	E	SSS		4	22				
	E	M		19	-				
	E	F	16	18	-				
11	N,E	iP	01	03	55		5555	Moderate. Maximum	
	N,E	ipP		05	47			movement of amplitude	
	N,E	ePP		06	04			14 mm. after S.	
	N,E	esP		06	57			Epc: 6° S., 116.5° E.	
	N,E	ePcS		08	44			to the west of Kangean	
	N	iS		10	13			Islands.	
	E	iS		10	18			O : 0 ^h 55 ^m 52 ^s .	
	N,E	esS		13	39			Depth : 620 km (approx.)	
	N,E	i		13	44			Manila P : 1 ^h 00 ^m 05 ^s .	
	N,E	SS ?		14	20			Hongkong P : 01 ^m 04 ^s .	
	N,E	F	04	22	-			Christchurch	
								P : 05 ^m 14 ^s .	
								Wellington P: 05 ^m 20 ^s .	
								Rathfarnham	
								Castle P : 09 ^m 40 ^s .	
13	E	e	13	04	21				
	E	F	16	40	-				
14	E	Mn	10	26	-				
	E	F	11	20	-				
15	N,E	i (PPP)	4	37	24			Slight.	
	E	e (S)		42	09			Epc : North of China Sea.	
	E	e (SSS)		45	27				
	E	eL		48	25				
	E	M		59	-				
	E	F	7	44	-				
15	E	e (P)	11	40	59		2110	Slight.	
	N,E	ePP		41	17			Epc: 30° N., 89° E.	
	N,E	eS		44	27			Tibet.	
	E	Mn		48	-	9	6		
	N	M		50	-	7	7		
	NE	F	Lost in the next shock.						
15	E	Mn	12	57	-			Slight. Aftershock of	
	N	Mn		56	-			the preceding one.	
	N,E	F	13	38	-				
17	E	Mn	13	52	-			Large,	
	N,E	F	14	55	-				
20	N,E	iP	6	46	18		4870	Slight.	
	N,E	ePP		47	56			Epc : 24° S., 71° E.	
	N,E	iS		52	55			Indian Ocean.	
	N,E	iSS		55	28			H : 6 ^h 38 ^m 21 ^s .	
	N,E	L		56	35				
	E	Mn	7	02	-	12	6		
	N	Mn		02	-				
	N,E	F	9	15	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP.	Δ km.	REMARKS.
			h.	m.	s.	sec.				
1937										
Aug. 20	E	eP	12	07	49			5165	Great. P(N) confused by shift of zero. Destructive in Manila. Epc : 17° N., 122° E. (U.S.C.G.S.) 14° 10' N., 122° 05' E. H : 11 ^h 59 ^m 13 ^s . (Manila).	
	E	iP		07	57					
	N,E	iS		14	43					
	N,E	SS		17	38					
	E)	Mn		33	30	18	214			
	N)					17	144			
	N,E	F		15	45	-				
21	E	No record from 4 0 to 19 16								
	N	No record from 16 14 to 22 47								
21-22	E	e	23	20	55				Slight.	
	E	Mn		44	-					
	E	F	24	11	-					
23	E	Mn	17	41	-					
24	E	e	18	47	42					
	E	e		50	28 ?					
	N,E	Mn	19	49	-					
	E	F	21	8	-					
24	E	e	21	19	-					
	E	Mn		50	-					
	E	F	22	15	-					
25	E	e	22	19	54				No record in N-S from 23 ^h 52 ^m to 0 ^h 45 ^m on the 26th day.	
	E	e		18	18					
	E	Mn		30	-					
	E	F	23	10	-					
26	E	e	19	03	35					
	N	Mn		31	-					
	E	Mn		32	-					
	E	F	20	32	-					
28	N	No record from 12 27 to 13 45								
29-30	N	No record from 22 49 to 6 36								
31	N,E	iP	14	20	19			2535	Moderate. P in minute gap. Epc : 25° N., 96° E. Upper Burma, H : 14 ^h 15 ^m 15 ^s .	
	N,E	iS		24	28					
	N,E	i		26	19					
	N	Mn		28	-	6	25			
	E	Mn		29	-	7	27			
	N,E	F		16	20	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				AMP. Δ	REMARKS.
			h.	m.	s.	sec.		
1937								
Sep. 1	E	e(P)	8	53	54		12800 Slight.	
	E	e(P')		57	03		Epc : 31°S., 179°W.	
	N,E	e	9	00	18		(U.S.C.G.S.)	
	N,E	e(SKS)		04	23		Kermadec Islands.	
	N,E	i(PS)		08	03		37° S., 179° W. (Strasbourg)	
	N,E	e		09	38		H : 8h 39m 1.	
	M,E	e		14	25			
	E	e(L)		38	38			
	N	M		46	-			
	E	Mn		51	-	15	5	
	N,E	F	12	6	-			
1	E	Mn	18	24	-			
	E	F		44	-			
1	E	e	22	32	58			
	N	Mn		47	-			
	E	Mn		52	-			
	N,E	F	23	43	-			
2	E	e	12	32	37			
	E	F	13	07	-			
3	N,E	e	19	00	53	(9635)	Moderate.	
	N,E	iP		00	57		Epc: 52°5 N., 177°5 W.	
	N,E	i		01	05		Aleutian Islands.	
	N,E	i		01	48		H : 18h 48m 29s.	
	N,E	e		04	25		In minute gap.	
	N,E	e		06	25		In minute gap.	
	N,E	e		11	02			
	N,E	iSKS		11	09			
	N,E	i		11	30			
	N,E	i		11	57			
	N,E	i		12	25		In minute gap.	
	N,E	i		14	07			
	N,E	e		16	55			
	N,E	e(G)		24	53			
	N,E	F	23	12	-			
4	N	No record						
		from	2	29	-			
		to	7	49	-			
	E	No record						
		from	5	0				
		to	12	10				
8	N,E	eP'	0	59	05	14510	Slight.	
	N,E	ePP	01	01	01		Epc : South Atlantic,	
	N,E	iSKS		06	36		in the neighbourhood of	
	N,E	iSKKS		08	16		Cape Horn.	
	N,E	eS		09	21		H : 0h 40m 1 (U.S.C.G.S.)	
	N,E	i		09	56			
	N,E	eSS		11	42			
	N,E	i		14	26			
	N,E	eSS		18	36			
	N,E	e		25	13			
	N,E	F					Lost in changing charts.	

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP.	△	REMARKS.
			h.	m.	s.	sec.				
1937										
Sep. 9	N,E	e	17	39	38					Feeble. Epc : Probably in the neighbourhood of Kabul. Felt very strongly at Drosh and Gulmarg.
	N,E	e		42	53					
	N,E	F		56	00					
9-10	N,E	iP	23	42	13			2345		Slight. Epc : 27°N, 94° E. Assam. Felt strongly at Dibrugarh and moderately at Gauhati, Tezpur, Salona and Shillong.
	N,E	ePP		42	35	(In minute gap)				
	N,E	eS		46	06					
	N	M		48	41					
	N	F		30	20	-				
15	E	iP	12	40	36			10030		Slight. Epc : 9°S., 161° E. Solomon Islands (U.S.C.G.S.) H : 12 ^h 27 ^m 37 ^s .
	E	ePP		44	14					
	E	i		51	00					
	E	iS		51	32					
	E	ePS		52	29					
	E	F		16	30	-				
16	N,E	i(P')	0	8	22			15830		from PP-P'. Epc : 14°N., 92° W. H : 23 ^h 48 ^m 52 ^s . (U.S.C.G.S.) 14° N., 91°W. (Strasbourg).
	N,E	e(PP)		11	33					
	N,E	e(SKKS)		18	23					
	N,E	e(PSKS)		21	45					
	N,E	F		2	15	-				
17	N,E	e	9	49	21					
	N,E	e		55	43					
	N,E	e		59	10					
	N,E	F		12	13	-				
21	N	No record								
		from	6	32						
		to	10	10						
21	E	iP	7	52	36					Slight. Epc : 21° N., 104° E. Deep ?
	E	e		53	13					
	E	e		57	11					
	E	iS		57	36					
	E	e		58	0					
	E	SS		59	29					
	E	F		8	58	00				
21	E	eP	9	49	16					Slight. Epc : In the region of 4° N., 125° E. Celebes Sea. H : 9 ^h 40 ^m 0.
	E	e		49	50					
	E	e		56	57					
	E	iS?		57	23					
	E	iScS		59	05					
	E	F		12	55	-				
22	E	e(P)	3	19	26					Slight. Epc : 12°3' N., 124° 5' E. Felt in Eastern Visayas. (Manila).
	N,E	e(S)		27	02					
	N,E	F		4	33	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP. Δ	REMARKS.
			h.	m.	s.	sec.			
1937									
Sep.23	N,E	iP	13	18	26		9300	Moderate.	
	N,E	i		18	58			Δ from SKS-P.Epc:6°S., 154°E	
	N,E	e		19	26			O : 13 ^h 06 ^m 01 ^s (U.S.C.G.S.)	
	N,E	ePP		21	29				
	N,E	iSKS		28	49			Maximum movement after SKS.	
	N,E	PS		29	40				
	N,E	SS		34	31				
	E	i		41	01				
	N,E	F	18	01	-				
26	N,E	e	23	32	53				
	N,E	e		47	-				
27	E	No record							
		from	4	20					
		to	17	30					
	N	No record							
		from	4	16					
		to	8	43					
		and from	9	14					
		to	11	00					
27	N	iP	9	03	36		4955	Moderate.	
	N	e		10	09			Epc : 7° S., 110°E.	
	N	iS		10	18			(Strasbourg).	
	N	eSS		13	09			Central Java.	
	N	No record							
		from	9	30	40				
		to	11	00	-				
28	N	e	6	40	26				
	N,E	Mn		7	51				
	N,E	F		9	58				
30	N	e	21	59	36				
	N,E	Mn		22	47				
	N,E	F		23	05				
Oct.1	N	e	15	22	08			Feeble.	
	N	Mn		42	-				
	N	F		16	16				
1	N,E	e	19	42	12			Feeble.	
	N	Mn		20	40				
	N	F		22	10				
4	N	e	4	15	10			Feeble.	
	N,E	e		17	26				
	N,E	F		5	30				
5	N,E	e	7	20	-			Feeble.	
	N	Mn		49	-				
	N	E		8	57				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.

International
Seismological
Centre

DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	Δ	REMARKS.
			h.	m.	s.				
1937									
Oct. 6	N,E	e	10	36	47				Slight, near.
	N	e		40	53				
	N,E	F	11	51	-				
6	N,E	iP	17	17	19		(9200)		Slight, Deep ? Epc : 100° S., 150° E. New Guinea. (Strasbourg).
	N,E	i		18	04				
	N,E	i		20	52				
	N,E	iS?		27	39				
	N,E	i		28	17				
	N,E	F	20	45	-				
7	N	e	8	17	20				
	N	F	10	41	-				
9	N	e	18	21	19				
	N	F		49	-				
11	N,E	e	22	38	52				Felt strongly in Shillong.
	N,E	F	23	35	-				
12	N,E	e	21	10	19				(Two slight shocks superposed).
	N,E	F	23	06	-				
17	N,E	iP	4	57	23		6745		Slight. Large waves poor in E-W compt. Epc : 35° 7' N., 141° 0' E. Inubosaki (Strasbourg).
	N,E	iS	5	05	44				
	N	M		27	-	15	5		
	N,E	F	7	00	00				
20	N,E	iP	1	26	53		1355		Moderate. Felt very strongly in Dehra Dun & Ambala, strongly in Mussoorie, Lahore and Roorkee, moderately in Jullundur, Simla and Srinagar and feebly in New Delhi. Epc : 30° N., 78° 2' E. near Dehra Dun. O : 1h 24m 00s. M lost in E-W compt. due to fading of light.
	N,E	e		26	19				
	N,E	iS*		29	09				
	N,E	iS*		30	08				
	N	i		30	23				
	N,E	i		31	31				
	N	M		31	46	8	91		
	N,E	F	2	21	-				
22	N,E	e(P)	16	20	36				Feeble. Epc : 0.5° N., 96° 0' E. Off west Sumatra. H : 16h 14m 5
	N,E	e(S)		25	36				
	N,E	Mn		28	-				
	N,E	F	17	30	-				
23	E	Mn	18	00	-				Feeble.
	N	Mn		05	-				
	N,E	F		43	-				
24	N,E	e	11	53	03				Feeble. Surface waves poor.
	N,E	e		59	44				
	N,E	F	13	15	-				
25	N,E	e	7	39	26				Feeble.
	N	Mn	8	08	-				
	E	Mn		10	-				
	N,E	F		58	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				AMP.	Δ	REMARKS.
			h.	m.	s.	sec.			
1937						μ	km.		
Oct. 25	E	Mn	11	39	-			Feeble.	
	N	Mn		45	-				
	N,E	F	12	18	-				
25-26	N,E	i	23	31	58			Feeble.	
	N,E	e		41	13				
	N	Mn	00	00	-				
	E	Mn		05	-				
	N,E	F		45	-				
29	N	No record from to	5	37					
			7	49				at Drash,	
29	E	iP	7	30	31	2080		Slight. Felt very strongly	
	E	i(pP)		31	21			strongly at Lahore and	
	E	e(sP)		31	43			Cherat and moderately at	
	E	iS		33	40			Peshawar, Srinagar and	
	E	i		34	48			Kabul.	
	E	F	8	45	-			Epc : 37° N., 70° 5' E.	
								O : 7h 26m 30s.	
								h : 250-300 km.	
								39° N., 69° E.	
								Turkestan (Strasbourg).	
30	N,E	Mn	20	34	-			Probably seismic.	
	N,E	F		50	-				
Nov. 2	N,E	e	11	07	22			Feeble.	
	N,E	F		12	41	-			
2	N,E	e	16	13	-				
7	N,E	eP	19	11	27	1890		Slight.	
	N,E	e		14	15			Epc : 36° 8' N., 73° 5' E.	
	N,E	eS		14	43			Hindukush. Felt	
	N,E	e(L)		16	01			strongly at Gurez and	
	N	Mn?		17	42			Drash, Srinagar.	
	N,E	F		54	-				
11	N,E	eP	0	4	10	1210		Slight.	
	N,E	eS		7	23			Epc : 22° 5' N., 62° E.	
	N,E	Mn		11	00			north Arabian Sea.	
	N,E	F	1	33	-			H : 0h 01m 30s.	
12	N,E	e(P)	14	43	19	1670		Slight.	
	N,E	e(S)		46	05			Epc : 33° N., 77° 5' E.	
	N,E	F	15	12	-			H : 14h 39m 50s.	
12	N,E	e	17	29	10			Feeble.	
	N,E	F		50	-				
13	N,E	e	10	10	13			Slight, distant.	
	E	e		12	43				
	N,E	e		16	04				
	N,E	F						Masked in the beginning of the next shock.	

COLABA OBSERVATORY, BOMBAY.

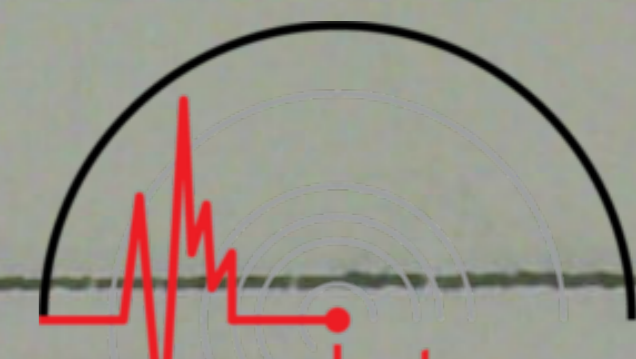
SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				AMP.	△ km.	REMARKS.
			h.	m.	s.	sec.			
1937									
Nov. 13	N,E	eP	11	54	58		2150	Slight.	
	N,E	eS?		58	35			Epc : 33° N., 70.5° E.	
	N,E	F	12	41	-				
13	N,E	Mn	19	01	-				
	N,E	F		50	-				
14	N,E	iP	11	02	05		2070	Great. Damage to	
	N,E	sP		03	06			buildings in Chitral and	
	N,E	iS		05	21			Kashmir. Felt very strongly	
	N,E	F	15	11	-			in the N.W. Frontier,	
								Kashmir and the North	
								Punjab and moderately	
								in the south Punjab and	
								parts of U.P.	
								Epc : 37.3° N., 72.0° E.	
								North of the Hindu Kush	
								(tentative).	
								h : 200 km.	
								o : 10 ^h 58 ^m 05 ^s .	
								36.5° N., 70.5° E.	
								h : 220 km. (Strasbourg).	
								35.2° N., 72.8° E.	
								h : 250 km.	
								H : 10 ^h 58 ^m 12 ^s . (J.S.A.)	
15	E	No record							
		from	3	40					
		to	15	48					
15	N,E	iP	21	41	19		1710	Moderate.	
	N	eS)		44	19			Epc : 34.5° N., 77.5° E.	
	E	iS)						east Kashmir.	
	N,E	i		46	10			o : 21 ^h 37 ^m 34 ^s . Felt	
	N	Mn		47	46	8	39	fairly strongly at	
	E	Mn		46	46	8	86	Srinagar.	
	N,E	F	23	55	-			Phu Lien eP : 21 ^h 45 ^m 22 ^s	
								Helwan iP : 21 ^h 44 ^m 58 ^s	
								De Bilt P : 21 ^h 46 ^m 47 ^s	
								Strasbourg h m s	
								iP : 21 ^h 46 ^m 39 ^s	
16	N,E	e	5	35	31			Feeble.	
	N,E	F	6	02	-				
16	N,E	e	13	53	-			Feeble. Felt feebly at	
	N,E	F	14	07	-			Drosh.	
16	N,E	e	22	38	-			Feeble.	
	N	Mn		45	-				
	E	Mn		46	-				
	N,E	F	23		-				
18-19	N	No record							
		from	11	55					
		to	2	58					
	E	No record	13	05					
			14	02					

COLABA OBSERVATORY, BOMBAY,

SEISMIC DATA FOR 1937.



International
Seismological
Centre

DATE	COMP.	PHASE	G.M.T.				AMP.	Δ	REMARKS.
			h.	m.	s.	sec.			
1937									
Nov. 18	N,E	e	3	00	15			Feeble.	
	N	e		09	39				
	N	F	4	22	-				
19	N,E	e	22	15	12			Feeble.	
	N,E	e		19	10				
	N,E	F	23	7	-				
20	N,E	e	17	11	-			Feeble.	
23	E	e	14	04	31				
	N,E	e		14	47				
	N,E	F	16	15	-				
24	E	e	2	53	30				
	N,E	F	4	08	-				
24-25	E	No record from	8	00					
			3	24					
25	N	e	01	01	07				
	N	F	Lost in shifting of chart.						
25	N,E	e	5	07	16			Surface waves.	
	N,E	F	8	05	-				
26	N	eP)	10	53	43		5010	Slight. Deep focus?	
	E	iP)						Epc : 27° 5' N., 122° E.	
	E	i)		54	02			east coast of China.	
	N	e)							
	N	e)		55	52				
	E	i)							
	N,E	iS	11	00	28				
	N,E	i		04	-			(In minute mark).	
	N,E	F	12	10	-				
27	N,E	e	13	57	-			Feeble.	
	N,E	Mn	14	35	-				
	N,E	F	15	55	-				
28	N,E	iP	5	30	22		3535	Moderate.	
	N,E	iPP		31	27			Epc : 2° 0' S., 96° 6' E.	
	N,E	iS		35	32			off West Sumatra.	
	N,E	SS		37	17			O : 5 ^h 24 ^m 00 ^s .	
	N,E	L		39	24			Strasbourg Δ (PPP-P) : 91° 3.	
	E	M		44	-	15	66	Christchurch	
	N	Mn		48	-			Δ (S-P) : 78°.	
	N,E	F	9	14	-				
30	N	e	00	44	26		2465	Moderate.	
	N,E	iP		45	24			Epc : 5° N., 89° E.	
	N,E	iPP		45	35			South Bay of Bengal.	
	N,E	iS		49	27			H : 0 ^h 40 ^m 28 ^s .	
	N,E	iSS		49	45			5° N., 90° E.	
	N,E	L		51	25			H.O : 0 ^h 40.5 (Strasbourg).	
	E,	M		53	-				
	E,	M		55	-	13	68		
	N	M		55	-	14	74		
	N,E	F	03	25	-				

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS.
			h.	m.	s.				
1937									
Nov. 30	N	eP)	13	05	08			4090	Moderate. Epc : 6°5 N., 37°5 E. Abyssinia. H : 12 ^h 57 ^m 5 ^s Strasbourg △ (S-P) : 49°6 Ksara △ (S-P) : 29°5 Bucurest △ (S-P) : 39°0 Beograd △ (S-P) : 41°6 Trieste △ (S-P) : 44°3 Stuttgart △ (S-P) : 48°5 Helwan △ (P-H) : 24°9 Cape Town △ (S-P) : 42°1 7°5 N., 45° E. h : 100 km. (Strasbourg).
	E	iP)							
	N,E	PP	06	28					
	N,E	iS	11	01					
	N,E	SS	13	10					
	N,E	L ?	15	17					
	N	M	18	29	15	29			
	E	M	19	-	17	37			
	N,E	F	15	20	-				
Dec. 5	E	e	15	38	16				
	N,E	e		43	58				
	N,E	e		49	13				
	N,E	e	16	23	0				
	N,E	F	18	15	-				
6	N,E	iP	4	44	44			6850	Slight. Epc : Near Bonin Island.
	N,E	eS		53	13				
	N,E	SS		57	07				
	N	Mn	5	13	35	15	7		
	E	Mn		19	18	15	5		
	N,E	F	7	00	-				
8	N,E	eP	8	40	30			4950	Moderate.
	N,E	ePP		42	29				Epc : 25° N., 120° E.
	N,E	iS		47	11				H : 8h 32 ^m 17s.
	N,E	SS		50	24				26° N., 119° E.
	N,E	L		54	14				H.O : 8h 32 ^m 4 (U.S.C.G.S.)
	E	Mn	9	03	24	15	75		23°2 N., 121° E. felt in
	N	Mn		04	40	12	33		all Formosa (Taihoku).
	N,E	F	12	11	-				
8	N,E	e(P)	20	47	4				Feeble. Epc : Probably
	N,E	e(S)		53	50				in the neighbourhood of
	N,E	F	22	15	-				the previous shock.
10	N,E	eP	13	39	20			6845	Slight.
	E	ePP		41	40				
	N,E	S		47	49				
	E	e		48	44				
	E	Mn	14	11	22	11	8		
	E	F	16	34	-				
10	E	e	19	45	41				Feeble.
	E	F	20	11	-				
12	E	e	8	18	5				Mostly surface waves.
	N,E	e		26	22				
	E	Mn	9	07	-	11	4		
	N,E	F	12	18	-				

COLABA OBSERVATORY, BOMBAY,
SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP.	△	REMARKS.
			h.	m.	s.	sec.				
1937										
Dec. 13	E	eP	19	02	19			4290	Moderate.	
	N	eP		02	23				Epc : 24° N., 121° E.	
	N,E	e(PP)		04	11				23° N., 120° E. South	
	N,E	iS		08	57				of Formosa (Strasbourg).	
	N,E	eSS		12	04				Felt in all Formosa (Manila)	
	N,E	L		14	56					
	E	Mn		26	-	17	124			
	N,E	F	22	43	-					
14	E	e	0	27	-				Feeble.	
	E	Mn	1	2	-					
	E	F	1	55	-					
16	N	Lines overlapping and phases unidentifiable.								
16	E	e	08	29	16				Feeble.	
	E	e		37	17					
	E	e		44	13				Large waves.	
	E	F	09	55	-					
	N	No record from 9 10 to 11 2 and from 17 38 to 18 40								
16	E	e	17	47	-				Feeble.	
	E	e		50	41				Epc : 36.4 N., 21.0 E.	
	E	e		53	57				(In minute eclipse) Near Athens (Strasbourg).	
	E	F	Lost in the next shock.							
16	E	e	18	34	06				Feeble.	
	N,E	e		41	36					
	N,E	F	19	53	-					
17	N,E	e	04	34	30				Slight.	
	N,E	e		41	00				(In minute eclipse)	
	E	Mn		52	30	12				
	N,E	F	05	24	-					
17	E	e	03	35	-				(large waves). Feeble.	
	E	F	09	18	-					
17	E	iP)	09	40	33			4950	Moderate.	
	N	eP)							Epc : Same as 8 ^d 8 ^h 40 ^m	
	N,E	ePP		42	00					
	N,E	ePcP		42	25					
	N,E	iS		47	14					
	N,E	eSS		50	28					
	N,E	eScS		50	38					
	E	i(G)		50	58				(In minute eclipse)	
	N,E	eL		54	20					
	N	e		57	58				(In minute gap)	
	N	Mn	10	00	00	15	21			
	E	Mn	10	03	21	11	31			
	N,E	F	13	08	-					

COLABA OBSERVATORY, BOMBAY.

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.				PER.	AMP.	△ km.	REMARKS.
			h.	m.	s.	sec.				
1937										
Dec. 17	N,E	e	19	46	-				Large waves.	
	E	Mn		53	14					
	N,E	F	20	20	-					
18	N	iP)	13	23	11			2500	Moderate.	
	E	eP)							Epc : 42°0 N., 71°6 E.	
	N	iPP)		23	36				O : 13 ^h 18 ^m 05 ^s .	
	E	ePP)							Bucarest △ (P-O) : 32.7	
	N,E	iS		27	17				Beograd △ (P-O) : 36.3	
	N,E	q.SS		27	51				Trieste △ (P-O) : 39.9	
	N,E	L		29	17				Stuttgart △ (P-O) : 42.5	
	N	Mn		33	15	10	38		Kew △ (P-O) : 47.6	
	E	Mn		33	15	11	44			
	N,E	F	15	30	-					
20	N,E	eP	05	02	40			1380	Slight.	
	N,E	eS		04	59				Epc : 29° N., 81° E.	
	N,E	Sg		06	14				Western border of Nepal.	
	E	Mn		06	35				O : 4 ^h 59 ^m 50 ^s .	
	N	Mn		06	40					
	N,E	F	06	00	-					
21	E	No record								
		from	13	50						
		to	19	40						
22	N	e	03	57	15				Slight.	
	N,E	i	04	00	20				Epc : 17° N., 106° W.	
	E	e	04	18	58				H.O : 3 ^h 37 ^m 17 ^s . (U.S.C.G.S.)	
	N,E	e		36	58				17° N., 105° 7' W.	
									H : 3 ^h 37 ^m 15 ^s (J.S.A.)	
	N	Mn	05	05	-				Large waves.	
	E	Mn		05	45					
	N,E	F	06	34	-					
23	N,E	iP ₁	13	37	32			16000	Great. △ from PP-P ₁ .	
	N,E	e		38	56				Epc : 17° 5' N., 97° 5' W.	
	N,E	iPP		40	33				H.O : 13 ^h 17 ^m 56 ^s	
	N,E	iPPP		43	56				(Strasbourg).	
	N,E	iSKS		44	56				Destructive in Mexico.	
	N,E	iSKKS		46	56					
	N,E	SKSP		50	41					
	N,E	PPS		53	13					
	N,E	SS		59	56				(In minute mark)	
	N,E	(ScSScE)	14	01	32					
	N,E	e		29	-					
	E	Mn		46	32	21	174			
	N	Mn		49	00	21	187			
	N,E	F	17	20	-					
24	N,E	e	6	40	31				Feeble.	
	N,E	e		44	03				10° S., 76° W. (U.S.C.G.S.)	
	N,E	e	7	03	06					
	N,E	e		32	29					
	E	Mn		47	12	19	35			
	N,E	Mn	9	29	-					

COLABA OBSERVATORY, BOMBAY

SEISMIC DATA FOR 1937.



DATE	COMP.	PHASE	G.M.T.			PER.	AMP.	△	REMARKS.
			h.	m.	s.				
1937									
Dec. 25	E	i)	1	20	00			Feeble..	
	N	e)							
	E	e		20	12				
	N,E	e		22	24				
	N,E	e		28	13				
	N,E	e		41	01				
	N,E	F	Lost in shifting charts.						
25	E	e	10	04	17			Feeble.	
	N,E	e		11	13				
	N,E	e		21	04				
	N,E	F	11	15	-				
25	N,E	e	21	29	12			Feeble.	
	N,E	e		46	03				
	N	Mn	22	18	-				
	E	Mn		20	-				
	N,E	F	23	36	-				
27	N	Mn	1	15	-			Feeble.	
	E	F		42	-				
28	E	e	3	19	37			In hourly break.	
	E	i		27	30			N - record lost.	
	E	F	Lost in shifting.						
28	E	eP	6	33	24		11270	Slight. △ from PP-P.	
	N,E	iPP		37	26			Epc : 1 ^o 8 S., 22 ^o 0 W.	
	N,E	iSKS		44	00			H.O : 6 ^h 19 ^m 6 (Strasbourg)	
	N,E	iS		44	42				
	N,E	PS		46	30				
	E	PPS		47	24				
	E	SS		52	07				
	N,E	L	7	10	-				
	E	Mn		24	-	15	7		
	N	Mr.		27	-				
	N,E	F	9	43	-				
31	N,E	e	18	01	5			Feeble.	
	E	Mn	19	8	-			Epc : 15 ^o N., 98 ^o W. (U.S.C.G.S)	
	N,E	F	20	35	-				