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DGO. 9. 37. D.
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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW, 1937

ANNUAL SUMMARY

PART D.

SEISMIC RECORDS.

CONTENTS

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UNDER THE DIRECTION OF

C. W. B. NORMAND, M.A., D.Sc., C. I. E.,

Director General of Observatories.

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INDIA WEATHER REVIEW, 1937.

ANNUAL SUMMARY.

PART D.

SEISMIC RECORDS.

STATION—UPPER AIR OBSERVATORY, AGRA.

Lat. 27° 8′ 15″ N. *Long.* 78° 0′ 45″ E. *Height above M. S. L.* 163 metres.

Lithologic Foundation :—Indo-Gangetic Alluvium.

Instruments :—Omori-Ewing Seismograph North-South (N) component, and Milne-Shaw Seismograph East-West (E) component, both installed in an underground room.

INSTRUMENTAL CONSTANTS.

Component	Steady mass (Kg.)	T (sec.)	Vm	ε	Paper speed (mm./min.)	Periods for which the constants apply.
N	45	31	29	1	12	Jan. to Sept.
	45	32	27	1	12	Oct. to 9th Nov.
	45	31·5	29	1	12	10th Nov. to 3rd Dec.
	45	15	29	1	12	4th to 6th Dec.
	45	..	..	1	12	7th Dec. to 11th Dec.
	45	29·5	29	1	12	12th Dec. to 31st Dec.
E	0·47	12	250	20 : 1	8	Jan. to Dec.

TABLE D_1.

Date.		Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.				H. M. S.	Sec.	μ	Km.	
Jan.	4	E	eP (?)	22 58 06	.	...	(7,145)	Surface waves poor.
			eS	23 6 49	...	...	...	
			PS	7 39	...	...	...	
,,	5	E	e (P)	0 5 18	...	...	(6,835)	Surface waves poor.
			iS	13 54	...	...	...	E c : 4°S., 135°E. Northwest New Guinea.
			PS	14 26	...	...	...	
,,	5	E	iP	4 56 57	...	...	6,945	Surface waves poor.
			ePR$_1$	59 24	...	...	...	Epc : Near North West New Guinea.
			iS	5 5 31	...	...	...	
			PS	6 5	...	...	...	
			F	6 12 ...	...	...	...	
,,	5	E	e	11 19 51	...	...	...	Surface waves poor.
			S	24 31	...	...	...	Epc : North Riu Kiu Islands (Chiufeng).
			i	26 34	...	...	...	
			F	12 11 ...	...	...	...	

Date.		Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.				H. M. S.	Sec.	μ	Km.	
Jan.	5	E	e	17 3 18	...	...	...	Tremors.
			F	17 ...	...	...	...	
,,	5	E	eP	21 46 34	...	...	5,180	△ from (S—H) Epc: 31°N., 132°E. Off South Japan.
			PR$_1$	48 19	...	...	...	
			ePR$_2$	49 9	...	...	...	
			iS	53 22	...	...	...	
			SR$_1$	56 19	...	...	...	
			SR$_2$	57 30	...	...	...	
			L(?)	22 0 34	...	...	...	
,,	7	E	P	6 21 23	...	...	5,780	Epc : 35.°8N., 141° E. Japan.
			PR$_1$	23 23	...	...	...	
			ePR$_2$	24 21	...	...	...	
			S	28 51	...	...	...	
			PS	29 28	...	...	...	
			eSR$_1$	32 32	...	...	...	
			SR$_2$	34 2	...	...	..	
			Mn	46 0	17	17	...	

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Date.	Compt.	Phase.	G. M.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S	Sec.	μ	Km.	
Jan. 7	E	i	12 6 .		...	...	
		F	11 ...	.	...	...	
,, 7	N,E	iP	13 24 54	...	...	2,055	Shock of very great intensity. Epc : 35°N., 96°5 E. In China. 35°5 N., 97°5 E. (U.S.C. G. S.). 36.°1 N., 98°6 E. (J. S. A.) O : 13h. 20m. 42s.
	N,E	PR_1	25 13	...	...	...	
	N,E	iS	28 24	...	...	...	
	N	L(?)	29 33	...	...	...	
,, 7	E	P	17 49 37	...	...	2,110	Probably an after-shock of 7d 13h.
		PR_1	49 53	...	...	...	
		iS	53 11	...	...	...	
		eSR_1	53 50	...	...	...	
		F	18 34 ...	...	...	...	
,, 12	E	i	5 47 21	...	...	...	Near. Slight.
		s	48 37	...	...	...	
		F	6 16 ...	...	...	...	
,, 16	E	i	13 23 38	...	...	...	Felt at Shillong, Tazpur, Salona Gauhati and Naya Dumka.
		F	33 ...	...	...	...	
,, 16	E	i	19 23 13	...	...	...	
		F	41 ...	...	...	...	
,, 22	E	e	4 38 26	...	...	...	Feeble.
		e	47 37	...	...	...	
,, 23	E	iP	11 7 54	...	...	8,600	Near Caroline Island.
		iPR_1	11 4	...	...	...	
		PR_2	12 51	...	...	...	
		iS	17 52	...	...	...	
		PS	18 32	...	...	...	
		iSR_1	23 10	...	...	...	
		SR_2	26 22	...	...	...	
		L(?)	33 42	...	...	...	
		F	14 34 ...	...	...	...	
,, 25	E	iP	6 46 54	...	...	9,900	Δ from PR_1—P. Epc: 10°·6 S., 163°·3 E. (J. S. A.) 12°S., 164° E. (U.S.C.G.S.)
		PR_1	50 19	...	...	...	
		iScPcS(?)	57 21	...	...	...	
	N	i	57 47	...	...	...	
	E	PPS(?)	58 54	...	...	...	
		SR_1(?)	7 3 12	...	...	...	
,, 29	E	P	17 35 36	...	...	6,590	In the region of Marianne Islands.
		iS	43 50	...	...	...	
		F	18 41 ...	...	...	...	
,, 30	E	e	5 44 53	...	...	...	
		F	Mixed with the following shock.				
,, 30	E	i	6 43 52	...	...	...	
Feb. 8	E	e	8 49 14	...	...	...	
		i	53 40	...	...	...	
		F	9 34 ...	...	...	...	
,, 12	E	e	5 4 35	...	...	...	
		i	12 23	...	...	...	
		F	Mixed with the following shock.				

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Feb. 12	N,E	P	5 37 47	...	...	2,165	Epc : Gobi desert.
	N,E	S	41 26	...	...	...	
	E	SR_1(?)	42 10	...	...	...	
	E	M(?)	44 53	...	...	...	
,, 17	E	eP	9 25 22	...	...	6,480	Epc : 45°N., 151°E. (Chiufeng).
		eS	33 30	...	...	...	
		eSR_1	37 27	...	...	...	
		Mn	52 28	20	9	...	
		F	10 53 ...	...	...	...	
,, 19	E	i	15 35 54	...	...	...	Tremors.
		F	41 ...	...	...	...	
,, 20	E	e	4 21 30	...	...	...	Slight. Near.
		i	22 3	...	...	...	
		F	29 ...	...	...	...	
,, 21	N,E	P	7 12 36	...	...	6,310	Shock of great intensity. Epc : 45°·2N. 148°·6 E. (J.S.A.).
	E	PR_1	14 51	...	...	...	
	E	PR_2	15 50	...	...	...	
	N,E	S	20 34	...	...	...	
	N,E	PS	21 3	...	...	...	
	E	iSR_1	24 56	...	...	...	
	N	SR_1(?)	25 12	...	...	...	
	E	SR_2	26 21	...	...	...	
	N,E	L	30 23	...	...	...	
	E	M?	34 57	...	...	...	
	E	Mn	40 1	19	557	...	
	N	Mn	(?)	27	1173	...	
	E	F	Masked by the following shock.				
,, 21	E	eP	11 2 5	...	...	6,445	
		eS	10 11	...	...	...	
		eSR_1	14 8	...	...	...	
		Mn	29 15	20	11	...	
		F	12 30 ...	...	...	...	
,, 21	E	eS	22 47 6	...	...	...	
		eSR_1	50 55	...	...	...	
		F	23 50 ...	...	...	...	
,, 22	E	eP	3 3 51	...	...	6,420	
		S	11 56	...	...	...	
		SR_1	15 57	...	...	...	
,, 22	E	eP	4 45 48	...	...	6,390	
		eS	53 51	...	...	...	
		eSR_1	57 51	...	...	...	
		F	6 7 ...	...	...	...	
,, 22	E	P	13 33 54	...	...	6,480	
		S	42 2	...	...	...	
		PS	42 32	...	...	...	
		SR_1	45 52	...	...	...	
		F	15 17 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Feb. 23	E	e	0 13 29	...	...	...	Slight. Epc : 26°.5 N., 98°.5 E. Northeast Frontier of Burma.
		e	16 54	...	...	...	
		Mn	22 5	12	7	...	
,, 23	E	eP	0 58 9	...	...	...	
		S	Missed as the light was obstructed.				
		iSR_1(?)	1 11 10	...	...	...	
,, 23	E	eP	14 1 12	...	...	6,610	
		eS	9 28	...	...	...	
		eSR_1	13 18	...	...	...	
,, 25	E	i	0 57 48	...	...	...	
,, 26	E	eP	4 24 30	...	...	6,380	
		eS	32 32	...	...	...	
		eSR_1	36 32	...	...	...	
,, 27	E	eP	1 24 56	...	...	6,190	
		S	32 47	...	...	...	
		SR_1	36 50	...	...	...	
		Mn	51 8	15	7	...	
		F	Lost while changing chart.				
Mar. 9	E	e	15 59 55	...	...	...	Distant shock. Epc 8°.9 N., 83° 8 W. O : 15h. 40m. 20s. (U. S. C. G. S.). 10°.6 N., 83°.4 W. (J. S. A.).
		e	16 3 24	...	...	...	
		F	18 36 ...	...	...	...	
,, 9	E	eP	20 22 25	...	...	1,445	Epc : 29°.0 N., 92°.5 E.
		S	25 0	...	...	...	
		SR_1	25 30	...	...	...	
		L	25 56	...	...	...	
		F	21 0 ...	...	...	...	
,, 11	E	iP(?)	18 1 5	...	...	230)	Slight.
		iS(?)	1 35	...	...	...	
		Mn	1 50	...	...	...	
,, 12	E	e	9 30 47	...	...	...	Train of surface waves.
		S(?)	35 34	...	...	...	
		L	41 19	...	...	...	
		Mn	45 29	17	12	...	
,, 14	E	e(P')	12 15 38	...	...	16,450	Distant. Epc : 23°.8 S., 71°0 W. O : 11h. 56m. 01s. (J. S. A.) Epc : 25°S., 70°W., O : 11h. 55m. 48s. (U.S.C.G.S.) Minor damages reported, Taltal, Chile.
		i	16 8	...	...	...	
		ePR_1	19 8	...	...	...	
		iScPcS	26 0	...	...	...	
		SR_1	38 15	...	...	...	
,, 15	E	e	6 3 32	...	...	(4,550)	Epc : Sumatra.
		S	9 53	...	...	...	
,, 16	E	iP	15 53 12	...	...	4,790	Epc : 18°N., 123°E., Felt in Northern Luzon and slightly in Manila.
		ePR_1	54 56	...	...	...	
		S	59 45	...	...	...	
		SR_2	16 3 8	...	...	...	
		Mn	12 13	17	13	...	
		F	17 21 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Mar. 16	E	iP ?	22 40 25	...	...	...	
		iS ?	47 46	...	...	...	
,, 21	E	iP	16 15 17	...	...	1,480	Felt at Silchar in Assam. Epc : 26°.6N., 92°.7E near Tezpur, Assam. O : 16h. 12m. 5s. Felt at Dhubri, Sylhet, Bogra, Jalpaiguri, Cherrapunji, Dibrugarh, Gauhati and Salona.
	N,E	iS	17 55	..	...	...	
	E	L	18 44			...	
	E	F	17 21 ...	...	...	...	
,, 21	E	e	18 17 13	...	...	...	
,, 21	E	eP	19 38 43	...	...	5,800	Epc : 45°.5 N., 143°E. (Chiufeng).
		iS	46 13	...	...	...	
		PS	46 43	...	...	...	
		eSR_1	49 53	...	...	...	
		eSR_2	51 33	...	...	...	
,, 26	E	eP	9 56 43	...	...	4,510	Epc: 11°.5 S., 64°E.
	N	S	10 3 1	...	...	...	
	E	iS					
	E	SR_2	6 25	...	...	...	
	E	Mn	12 47	11	11	...	
	E	F	11 29 ...	...	...	...	
,, 26	E	e (P)	15 51 53	...	...	(5,120)	Feeble. Felt at Cagayan Islands, Oriental Misamis.
		e (S)	58 45	...	...	...	
		F	16 35 ...	...	...	...	
,, 28	E	e	4 44 24	...	...	...	Feeble, Near.
		e (S)	45 29	...	...	...	
		F	5 0 ...	...	...	...	
,, 31	E	eP	10 38 48	...	...	1,190	Slight. Epc : 28°.5N., 88°.5E.
		iS	40 48	...	...	...	
		e	42 07	...	...	...	
		F	11 10 ...	...	...	...	
Apr. 5	E	iP	7 6 39	...	...	6,490	Epc : 5°S., 130°E., near Banda Islands. H = 6h. 56m. 53s.
		iPR_1	8 52	...	...	...	
		PR_2	10 10	...	...	...	
		iS	14 47	...	...	...	
	N	i	14 54	...	...	...	
	E	SR_1	18 52	...	...	...	
		F	10 42 ...	...	...	...	
,, 7	E	P	18 36 12	...	...	2,520	
		S	40 20	...	...	...	
		SR_1	41 15	...	...	...	
		F	19 37 ...	...	...	...	
,, 14	E	e	21 24 52	...	...	...	
,, 16	E	eP	3 15 30	...	...	12,220	Epc : 22°.2S., 179°.0E. H = 3h. 01m. 34s. Depth. = 390±Km. (J. S. A.)
		iP	15 38	...	...	...	
		pP	17 07	...	...	...	
		sP	17 43	...	...	...	
		P'	19 04	...	...	...	

TABLE D₁—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Apr. 16		PR_1	19 59	...	...	...	
		sPP	22 10	...	...	...	
		PR_2	23 0	...	...	...	
		ScPcS	25 37	...	...	...	
		i	26 40	...	...	...	
		pScPcS	27 25	...	...	...	
		sScPcS	28 11	...	...	...	
		e	29 30	...	...	...	
		sPS	30 6	...	...	...	
		SR_1	35 16	...	...	...	
		sSR_1	37 38	...	...	...	
		SR_2	39 41	...	...	...	
,, 16	E	e	21 37 17	...	...	...	
		e	41 42	...	...	...	
		F	22 7 ...	...	...	...	
,, 29	E	e	18 23 43	...	...	...	
		i	33 43	...	...	...	
		F	Mixed in the following shock.				
,, 29	E	P	19 5 1	...	...	9,200	Epc : 53°.8 N., 160°.5W. Depth=40+Km. (J. S. A.). 53°. O N., 161° W. (U. S. C. G. S.) H=18h. 52m. 40s.
		iS	15 21	...	...	...	
		PS	15 58	...	...	...	
		SR_1	21 4	...	...	...	
		SR_2?	24 54	...	...	...	
		L?	32 27	...	...	...	
		Mn	45 40	20	43	...	
		F	Masked by the following shock.				
,, 29	E	e	20 27 14	...	...	...	
		i	33 51	...	...	...	
,, 30	E	P	19 34 2	...	...	390	Slight. Epc : 29° N., 81° E. in Nepal. H=19h. 33m. 05s.
		$\overline{P}$	34 17	...	...	...	
		S	34 45	...	...	...	
		S*	34 52	...	...	...	
		$\overline{S}$(?)	34 59	...	...	...	
		F	Masked by the following shock.				
,, 30	E	P	20 4 28	...	...	360	Slight. Epc : Possibly in the neighbourhood of the preceding shock.
		$\overline{P}$	4 46	...	...	...	
		S	5 1	...	...	...	
		$\overline{S}$	5 21	...	...	...	
		F	41 ...	...	...	...	
May. 4	E	i	5 31 34	...	...	...	Epc : 59°. 4 N., 152° 9W. (J. S. A.).
		Mn	55 40	23	22	...	
		F	7 0 ...	...	...	...	
,, 4	E	e	15 44 27	...	...	...	
		e	47 25	...	...	...	
		F	16 12 ...	...	...	...	
,, 7	E	e	14 23 25	...	...	...	
		e	34 2	...	...	...	
		F	15 32 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
May. 7	E	e	18 36 47	...	...	...	
		F	19 23 ...	...	...	...	
,, 9	E	P	14 56 39	...	...	6,545	Epc : 48°.O N., 150°.5E. near Kurile Islands. H=14h. 46m. 46s.
		ePR_1	58 58	...	...	...	
		S	15 4 51	...	...	...	
		PS	5 14	...	...	...	
		SR_1	8 44	...	...	...	
		Mn	23 54	20	24	...	
,, 10	E	e	15 43 44	...	...	...	
		i	48 39	...	...	...	
		F	16 47 ...	...	...	...	
,, 12	E	iP	2 56 4	...	...	...	Deep focus. Long Waves poor. Epc : 3°S., 142°.5 E. Depth=150 km. (Chiufeng).
		iS	3 5 3	...	...	...	
,, 12	E	e	9 15 6	...	...	...	
		F	10 6 ...	...	...	...	
,, 12	E	e	13 15 .	...	...	...	Epc : 0°, 96°E. West of Sumatra.
		iS?	20 23	...	...	...	
		iSR_2?	23 14	...	...	..	
		Mn	35 44	15	8	...	
		F	15 6 ...	...	...	...	
,, 20	E	e	12 24 12	...	...	...	
		i	3? 15	...	...	...	
		F	13 9 ..	...	...	...	
,, 21	E	e	2 7 5	...	...	...	
		i	19 5	...	...	...	
		F	3 20 ...	...	...	...	
,, 27	E	e	4 52 15	...	...	...	
,, 28	E	iP	20 5 4	...	...	(5,455)	Surface Waves poor.
		i	7 44	...	...	...	
		iS	12 14	...	...	...	
		i	15 23	...	...	...	
		F	21 33 ...	...	...	...	
,, 31	E	eP	5 35 19	...	...	407	Epc : 29°. 3N., 81°.O E. Western border of Nepal. O=5h. 34m. 30s.
	N	eS }	36 04	...	...	...	
	E	S }					
	E	S*	36 15	...	...	...	
	N	F	50 ...	...	...	...	
,, 31	E	P	15 43 59	...	...	8,890	Surface Waves very poor. Deep focus Epc : 2°.5 S., 159.°5 E (Chiufeng).
		iS	54 5	...	...	...	
		e	54 52	..	...	...	
		e	59 45	...	...	...	
June. 1	E	e	14 58 30	...	...	...	
		F	15 51 ...	...	...	...	
,, 14	E	i	13 35 28	...	...	...	
	E	F	14 55 ...	...	...	...	

TABLE D₁—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
June 21	E	P¹	15 32 42	...	...	16,890	Epc : 8°S. 80°W. (U. S. C. G. S.). 6.°8 S, 80°W. H=15h. 13m. 17s. Felt along the western coast of Peru. Depth=50+km. Some damage to coastal cities, particularly Trujullo, 300 miles N-W of Lima. Also Felt in Lima. (J. S. A.).
	N	e′	32 51	...	...	...	
	E	P'_2	32 54	...	...	...	
		ScPcP	36 16	...	...	...	
		ScPc PcS	43 12	...	...	...	
		PPS	49 37	...	...	...	
		SR_1	56 2	...	...	...	
		SR_2	16 1 52	...	...	...	
		Mn	48 56	19	71	...	
July 1	E	P	11 55 42	...	...	3,055	Epc : 7°. 5N., 98°E. North of Sumatra. H=11h. 49m. 55s.
		ePR_2	56 50	...	...	...	
		iS	12 0 29	...	...	...	
		SR_1	1 55	...	...	...	
		L	3 55	...	...	...	
		F	14 16 ...	...	...	...	
,, 2	E	P	2 50 31	...	...	10,700	△ from P and PR_1
		PR_1	54 21	...	...	...	
		ScPcS	3 0 55	...	...	...	
		PPS	3 16	...	...	...	
		F	Mixed up with microseisms.				
,, 4	E	eP	6 8 14 } 8 44 } ?	...	...	10,020	Deep focus? Time correction ±10s. △ from PS—P
		PR_1	12 2	...	...	...	
		ScPcS	18 47	...	...	...	
		PS	20 24	...	...	...	
		F	Masked by the following shock.				
,, 4	E	i	7 3 58	...	...	...	Time correction ±10s
		F	Masked by the following shock.				
,, 4	E	i	7 50 32	...	..	...	Time correction ±10s.
,, 10	E	e	20 52 11	...	...	...	Large waves poor: Epc : 15°N., 137°E:
		iS	59 17	...	...	...	
		SR_1 ?	21 3 7	...	...	...	
		F	46 ...	...	...	...	
,, 11	E	P	13 48 55	...	...	5,920	Large waves poor.
		PR_1	50 59	...	...	..	
		eS	56 31	...	...	...	
		SR_1	14 0 32	...	...	...	
		Mn	14 58	16	10	...	
		F	56 ...	...	...	...	
,, 12	E	e	0 8 21	...	...	2,835	P mixed up with microseisms: Epc : As of July 1:
		S	12 53	...	...	...	
		SR_1	14 1	...	...	...	
		L	15 37			...	
		Mn	20 17	20	23	...	
		F	1 17 ...	...	...	...	
,, 14-15	E	P	22 37 38	...	...	5,900	
		PR_1	39 41	...	...	...	
		S	45 13	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks
1937.			H. M. S.	Sec.	μ	Km.	
July 14-15	E	PS	45 50	...	...	...	
		SR_1	49 8	...	...	...	
		Mn	23 4 23	15	16	...	
		F	0 3 ...	...	...	...	
,, 22	N	eP?	17 21 53	...	...	...	Epc. : 64°·5N, 145°·1 W. H=17h. 09m. 36s.
		eS?	32 2	...	...	...	
		Mn	18 0 19	25	269	...	Felt all over Central Alaska (J. S. A.)
,, 23	E	P	20 47 1	...	...	1,120	Probably the one felt at Abbotabad.
		S	49 6	...	...	...	
		F	Mixed up with microseisms.				
,, 26	E	eP′	4 6 16	...	...	14,890	△ from eP¹ and ScPcP. Epc. : 18°·6N. 95°·8W. H=3h.47m. 11s. h=75km. Damage reported from cities along Gulf coast of Mexico, etc. (J. S. A.) h=100 km. (Kew)
	E	iP′	6 25	...	...	...	
		ScPcP	9 35	...	...	...	
		ScPcS	13 23	...	...	...	
		ScPc PcS	15 8	...	...	...	
		PPS	20 19	...	...	...	
		SR_1	25 49	...	...	...	
		SR_2?	30 50	...	...	...	
		L?	49 14	...	...	...	
		Mn	... ...	34	66	...	
		F	6 20 ...	...	...	...	
,, 26	E	iP	20 5 48	...	...	5,780	Epc. : 37°N., 140° E. 40°N., 142°E. (U. S. C. G. S.)
		iPR_1	7 46	...	...	...	
		PR_2	?44	...	...	...	
		iS	13 16	...	...	...	
		PS	13 51	...	...	...	
		iSR_1	16 51	...	...	...	
,, 26	E	SR_2	20 18 37	...	...	...	
		L	21 52	...	...	...	
		Mn	30 26	20	66	...	
		F	22 0 ...	...	...	...	
,, 31	E	iP	20 42 15	...	...	3,520	Epc. : In the region of 38°N.; ?4°E in China.
		PR_1	43 38	...	...	...	
		iS	47 32	...	...	...	
	N	i	47 40	...	...	...	
	E	SR_1	49 8	...	...	...	
		L?	51 45	...	...	...	
		Mn	56 26	14	122	...	
		F	22 42 ...	...	...	...	
Aug. 1	E	P	10 47 35	...	...	3,520	Epc. : Near that of July 1931.
		PR_2	48 52	...	...	...	
		iS	52 52	...	...	...	
		iSR_1	54 37	...	...	...	
		L	56 53	...	...	...	
		M	59 37	...	...	...	
		Mn	11 1 59	15	84	...	
		F	12 33 ...	...	...	...	

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TABLE D_1—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Aug. 4	E	P	23 41 1	...	...	3.220	Δ from Brunner's chart. Depth of focus about 95 km. Epc.: 6°N., 94°·5 E., off N. Sumatra.
	N, E	epP (?)	41 20	...	...	...	
	E	PP	41 54	...	...	...	
	N	eS	45 41	...	...	...	
	E	iS					
	N	i	46 0	...	...	...	
	E	sS	46 11	...	...	...	
	E	SS	47 4	...	...	...	
„ 5	E	P	14 54 23	...	...	8,580	Δ from Brunner's chart. Depth of focus about 100 km. Time correction about +1m. Epc. : 7°S., 149° E. (Strasbourg).
		PcP?	54 27	...	...	...	
		pP	54 43	...	...	...	
		sP	55 3	...	...	...	
		PP	57 3	...	...	...	
		PPP	59 7	...	...	...	
		iS	15 4 0	...	...	...	
		ScS?	4 5	...		...	
		sS	4 51	...	...	...	
		SS	9 5	...	...	...	
		SSS	12 7	...	...	...	
		L ?	19 45	...	...	...	
		F	16 17 ...	...	...	...	
„ 8	E	e	5 3 47	...	...	...	Felt at Jorhat in Assam.
		F	Mixed up with microseisms.				
„ 9	E	eP	14 49 0	...	...	6,180	L waves poor. Epc : 26°N. 140°E. near Bonin Island.
		S	56 51	...	...	...	
		eSR_1	15 0 33	...	...	...	
„ 11	E	e	1 3 48	...	...	5,555	Δ from Brunner's chart. Depth of focus between 600-650 km. Maximum movement of amplitude 22 mm. at S.
		ip	3 55	...	...	...	
		e	5 3	...	...	...	
		ipP	5 49	...	...	...	
		isP	6 54	...	...	...	
		iScP	8 6	...	...	...	
		iPcS	8 46	...	...	...	
		iS	10 12	...	...	...	
		e	12 46	...	...	...	
		isS	13 31	...	...	...	
		i	13 38	...	...	...	
		SS?	14 24	...	...	...	
		i	17 3	...	...	...	
„ 15	E	eP	4 34 50	...	...	?	Deep focus ? Epc : In North China Sea.
		e	34 59	...	...	...	
		PP	36 16	...	...	...	
		PPP	36 31	...	...	...	
		iS	40 47	...	...	...	
		e	41 4	...	...	...	
		SSS	44 8	...	...	...	
		Mn	54 19	17	7	...	
		F	5 29 ...	...	...	...	
„ 15	E	P	11 39 19	...	...	1,020	Epc : 30° N., 89° E., Tibet.
		P	40 9	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Aug. 15	E	iS	41 4	...	...	...	
		i	41 51	...	...	...	
		M?	42 27	...	...	...	
		Mn	43 54	7	17	...	
		F	12 36 ...	...	...	...	
„ 15	e	P	12 47 51	...	...	1,020	Aftershock of the preceding one.
		iS	49 36	...	...	...	
		M?	50 56	...	...	...	
		F	13 12 ...	...	...	...	
„ 17	E	e	13 22 36	...	...	...	
„ 20	E	iP	6 47 27	...	...	5,760	Epc : 24°S., 71°E. Indian Ocean. H=6h. 38m. 21s.
		iS	54 54	...	...	...	
		SR_1?	59 15	...	...	...	
		SR_2?	7 2 2	...	...	...	
„ 20	E	P	12 7 13	...	...	4,555	Epc : 17°N., 122°E (U. S. C. G. S.). 14° 10' N., 122° 05'E H=11h. 59m. 13s. (Manila) Destructive in Manila.
	N	e	7 40	...	...	...	
	E	PR_1	8 37	...	...	...	
	E	PR_2	9 8	...	...	...	
	N	PR_2	9 13	...	...	...	
	N	S	13 32	...	...	...	
	E	iS					
	E	SR_1	16 2	...	...	...	
	N, E	SR_2	16 57	...	...	...	
	E	M?	22 57	...	...	...	
	N	Mn?	21 1	33	1040	...	
	E	Mn?	35 13	17	232	...	
	N	F	13 27 ...	...	...	...	
„ 24	E	e	18 47 20	...	...	...	
		i	57 22	...	...	...	
„ 26	E	P	19 2 33	...	...	5,480	
		PR_1	4 23	...	...	...	
		S	9 44	...	...		
		eSR_1	19 12 57	...	...	...	
		M?	20 42	...	...	...	
		Mn	24 53	17	12	...	
		F	20 17 ...	...	...	...	
„ 31	E	iP	14 19 0	...	...	17.00	Epc : 25° N., 96° E Upper Burma. H=14h. 15m. 15s.
	E	PR_1	19 7	...	...	...	
	N	e	19 14	...	...	...	
	N, E	S	21 59	...	...	...	
	N, E	SR_1	22 25	...	...	...	
	E	L	23 5	...	...	...	
		M?	24 25	...	...	...	
		Mn	27 52	11	60	...	
		F	16 20 ...	...	...	...	
Sept. 1	E	e	8 58 12	...	...	...	L waves poor, Deep focus? Epc: 31°S., 179°W. Kermadec Islands, (U. S. C. G. S.)
		i	58 23	...	...	...	
		i	9 8 5	...	...	...	

TABLE D_1—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Sept. 1		i	14 12	...	...	...	37° S., 179° W. H=8h.39.1m. (Starsbourg).
		Mn	50 59	18	10	...	
		F	11 37 ...	...	...	...	
„ 3	E	eP	18 59 55	...	...	8,650	Epc : 52°. 5 N., 177°5W., Aleutian Islands. H=18h. 48m. 29s. h=160—180km. (J. S: A:)
		i	19 0 06	...	...	...	
		i	0 13	...	...	...	
		i	0 58	...	...	...	
		iL?	1 21	...	...	...	
		PR_1	3 42	...	...	...	
		sPP?	4 31	...	...	...	
		PPP	5 23	...	...	...	
		iS	9 33	...	...	...	
		i	10 18	...	...	...	
		iSS	14 58	...	...	...	
		iSSS	18 49	...		...	
		G?	20 55	...	...	...	Gutenburg's early wave?
„ 4	E	e	32 51	...	...	11,190	Δ from ScP cS and SR_1. Large waves poor.
		ScPcS	39 3	...	...	...	
		PS	41 31	...	...	...	
		PPS	42 15	...	...	...	
		SR_1	47 9	...	...	...	
		SR_1	51 27	...	...	...	
		F	8 39 ...	...	...	...	
	E	P(P[1])	1 0 16	...	...	14,800	Δ from ScPcS and SR_1 Epc : South Atlantic in the neighbourhood of cape Horn H=Oh. 40.1m-(U.S. C. G. S.)
		ScPcS	7 58	...	...	...	
		ScPcPcS	9 52	...	...	...	
		i	16 37	...	...	...	
		SR_1	20 50	...	...	...	
		L	30 23	...	...	...	
„ 9	E	eP	17 38 2	...	...	1,045	Felt at Quetta? Epc: Probably in the neighbourhood of Kabul. Felt very strongly at Drosh and Gulmarg.
		S	39 52	...	...	...	
		F	18 2 ...	...	...	...	
„ 9-10	E	P	23 40 53	...	...	1,435	Felt at Jorhat, Dibrugarh and Margheritta in Assam. Epc : 27°N., 94°E,, Assam. Felt strongly at Dibrugarh and moderately at Gauhati, Tezpur, Salona and Shillong.
		S	43 26	...	...	...	
		F	0 31 ...	...	...	...	
„ 15	E	iP	12 40 17	...	...	9,600	Δ from P—H Epc : 9°S, 161°E. Solomon Islands. (U. S. C. G. S.) H=12h 27m 37.s
		iPR	43 51	...	...	...	
		iScPcS	50 39	...	...	...	
		PPS?	52 41	...	...	...	
		eSR_1	57 51	...	...	...	
		eSR_2	13 2 1	...	...	...	
		L?	10 49	...	...	...	
		F	16 8 ...	...	...	...	
„ 16	E	i	0 11 50	...	...	...	
„ 17	E	e	9 50 55	...	...	...	L waves poor.
		e	56 21	...	...	...	
		e	10 7 1	...	...	...	
		e	11 41	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Sept. 17		Mn	36 39	18	12	...	
		F	12 26 ...	...	...	...	
„ 21	E	iP	7 51 49	...	...	(2,945)	Epc : 21°N., 104°E. Deep?
		i	52 23	...	...	...	
		e	52 49	...	...	...	
		iS	56 1	...	...	...	
		e	56 26	...	...	...	
		e	57 7	...	...	...	
		i	58 1	...	...	...	
		e	8 0 8	...	...	...	
		F	9 17 ...	...	...	...	
„ 21	E	eP	9 48 58	...	...	5,620	Epc : In the region of 4°N., 125°E. Celebes Sea. H=9h. 40·0m.
		i	49 2	...	...	...	
		PR_1	50 50	...	...	...	
		iS	56 18	...	...	...	
		PS	56 55	...	...	...	
		SR_1?	58 47	...	...	...	
„ 21	E	i	21 21 48	...	...	...	
		F	22 23 ...	...	...	...	
„ 22	E	iP	3 19 25	...	...	5,270	Δ from SR_1—P. Epc : 12°3'N., 124° 3'E. Felt in eastern Visayas (Manila).
		iSR_1	29 28	...	...	...	
		F	4 57 ...	...	...	...	
„ 23	E	iP	13 18 7	...	...	8,930	Δ from SKS—P. Epc : 6°S., 154°E. H=13h. 06m. 01s (U. S. C. G. S.)
	N	e	18 19	...	...	...	
	N	ePR_1	21 21	...	...	...	
	E	PR_1					
	E	PR_2	23 19	...	...	...	
	N, E	ScPcS	28 17	...	...	...	
	N, E	?	28 27	...	...	...	
	E	SR_1	33 57	...	...	...	
		SR_2	37 35	...	...	...	
		L?	45 47	...	...	...	
		F	Masked by the following shock				
„ 23	E	e	17 32 58	...	...	...	
		i	43 3	...	...	...	
		F	18 25 ...	...	...	...	
„ 27	N	P	9 3 47	...	...	5,035	Epc : 7°S., 110°E. (Strasbourg). Central Java.
	E	iP					
	E	PR_1	5 22	...	...	...	
	E	PR_2	6 7	...	...	...	
	N, E	iS	10 33	...	...	...	
	E	SR_1	13 41	...	...	...	
	E	SR_2	9 14 40	...	...	...	
	E	L?	16 57	...	...	...	
	N	L?	18 45	...	...	...	
	E	M?	20 43	...	...	...	
		Mn	21 0	30	186	...	
		F	12 58 ...	...	...	...	

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TABLE D_1—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Sept. 28	E	e	7 24 29	...	...	...	
„ 28	E	P?	13 26 23	...	...	...	
		S?	33 21	...	...	...	
		F	14 9 ...	...	...	...	
Oct. 1	E	i	19 41 55	...	...	...	Distant.
„ 6	E	e	10 6 57	...	...	...	Distant, Slight.
„ 6	E	iP	17 16 57	...	...	(9,345)	Deep focus type ? Epc : 10°S., 150°E. New Guinea. (Strasbourg).
		PR_1	20 13	...	...	...	
		i(ScPcS?)	27 2	...	...	...	
		SR_1	32 37	...	...	...	
„ 20	N, E	P	1 24 48	...	...	365	Shock of moderate intensity. The Punjab shaken. Also felt at Meerut and Dehra Dun. Epc: 30°.0 N., 78°·2E near Dehra Dun. 0=1h. 24m. 00s.
	N,E	P*	24 57	...	...	...	
	N	$\bar{S}$	25 52	...	...	...	
	N,E	F	Lost while changing chart.				
„ 22	E	e	16 20 47	...	...	...	Slight. Epc : 0°·5 N. 96°·0 E., West off Sumatra. H=16h. 14·5m.
	E	i	26 4	...	...	...	
„ 24	E	i	11 58 49	...	...	...	Slight.
„ 25-26	E	i	23 39 23	...	...	...	Slight.
		F	0 43 ...	...	...	...	
„ 29	N,E	P	7 29 10	...	...	1,267	Slight. Felt at Peshawar, Lahore, Rawalpindi and Srinagar. Epc : 37°·0 N., 70°·5 E. h=250—300km 0=7h. 26m. 30s. Epc : 39°N., 69°E. Turkestan. (Starsbourg.)
	N,E	sP	29 55	...	...	...	
	N,E	iS	31 9	...	...	...	
	E	F	8 6 ...	...	...	7,235	
„ 30	E	e	8 51 32	...	...	...	Feeble; near.
		F	9 5 ...	...	...	...	
„ 30	E	e	20 27 35	...	...	...	Feeble; near.
		F	48 ...	...	...	...	
Nov. 1	E	e	12 33 26	...	...	...	Feeble; near.
		i	33 38	...	...	...	
		F	48 ...	...	...	...	
„ 2	E	e	11 17 11	...	...	...	
		F	12 40 ...	...	...	...	
„ 2	E	e	16 16 9	...	...	...	Tremors.
„ 5	E	i(P?)	9 38 52	...	...	...	
		i(S?)	46 48	...	...	...	
		F	10 29 ...	...	...	...	
„ 7	E	P	19 9 53	...	...	835	Slight; Felt at Srinagar and Peshawar Epc: 36° 8 N., 73°5E. Hindukush.
		$\bar{P}$	10 43	...	...	...	
		iS	11 23	...	...	...	
		$\bar{S}$	12 23	...	...	...	
	E	F	19 53 ...	...	...	...	
„ 10	E	i	2 41 52	...	...	...	
		F	46 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 10	E	e	6 16 7	...	...	...	
		i	16 54	...	...	...	
		F	20 ...	...	...	...	
„ 10	E	e	19 48 46	...	...	...	
		F	20 2 ...	...	...	...	
„ 11	E	iP	0 5 3	...	...	1,665	Epc : 22°·5 N., 62°E. North Arabian Sea. H=0h. 01m. 30s.
		S	7 59	...	...	...	
		SR_1	8 24	...	...	...	
		L	8 59	...	...	...	
		F	Lost while changing chart.				
„ 12	E	e(P)	14 41 27	...	...	690	Slight, near. Epc : 33°N.; 77° 5E.; H=14h. 39m. 50s.
		iS	42 38	...	...	...	
		S(?)	43 33	...	...	...	
		F	15 7 ...	...	...	...	
„ 12	E	iP	17 27 22	...	...	720	
		S	28 42	...	...	...	
		$\bar{S}$	29 32	...	...	...	
„ 13	E	i	10 15 54	...	...	...	Slight, distant.
		i	19 44	...	...	...	
		F	Mixed up with the following shock.				
„ 13	E	e	11 53 46	...	...	1,380	△ from S—H. Epc: 38°N., 70°·5 E.
		iS	55 51	...	...	...	
		SR_1	56 17	...	...	...	
		Mn	59 3	10	18	...	
		F	12 52 ...	...	...	...	
„ 14	N,E	P	11 0 40	...	...	1,180	Shock of great intensity. Felt very strongly in the Punjab, Kashmir and N. W. F. Province. Epc : 37°·3 N.; 72°·0 E., north of the Hindukush. (Tentative). h=200 km. 0=10h. 58m. 05s. 36°·5 N.; 70°·5 E. h=220 km. (Strasbourg). 35°·2 N.; 72°·8 E. h=250 km. H=10h. 58m 12s. (J. S. A.)
	N,E	i	0 43	...	...	...	
	N	i	2 11	...	...	...	
	N,E	S	2 29	...	...	...	
	E	F	14 53 ...	...	...	...	
„ 14-15	E		23 59 8	...	...	...	
		F	0 53 ...	...	...	...	
„ 15	N,E	iP	21 39 27	...	...	810	Shock of moderate intensity. Epc : 34° 5 N., 77°·5 E.; east Kashmir. 0=21h. 07m. 34s.
	N,E	iS	40 55	...	...	...	
	N,E	$\bar{S}$	41 41	...	...	...	
	N	Mn	42 31	9	>500	...	
	E	F	23 33 ...	...	...	...	
„ 16	E	S	5 31 49	...	...	...	Slight, near. Absolute times uncertain by ± 2 sec.
		$\bar{S}$?	32 39	...	...	...	
		F	55 ...	...	...	...	
„ 16	E	esP	13 52 2	...	...	1,05	
		iS	54 0	...	...	...	
		F	14 8 ...	...	...	...	

TABLE D_1—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 16	E	P	22 32 41	...	...	2,200	
		iS	36 23	...	...	...	
		Mn	41 29	9	4	...	
		F	23 0 ...	...	...	...	
„ 18	E	i	4 46 25	...	...	...	Slight, near.
		i	48 45	...	...	...	
		F	5 8 ...	...	...	...	
„ 19	E	e	22 21 22	...	...	...	
		F	23 2 ...	...	...	...	
„ 26	E	iP	10 52 53	...	...	4,490	Depth of focus about 100 km. Epc : 27°·5N., 122°E. east coast of China.
		pP	53 13	...	...	...	
		PPP	54 50	...	...	...	
		iS	58 53	...	...	...	
		sS	59 34	...	...	...	
		SS	11 1 25	...	...	...	
		SSS	2 29	...	...	...	
		F	12 16 ...	...	...	...	
„ 28	E	P	5 30 44	...	...	3,730	Shock of moderate intensity. △ from P—O. S very insignificant. Epc : 2°·0 S.; 96°·6E off West Sumatra. 0=05h. 24m. 00s.
		eS?	36 07	...	...	...	
		i	38 50	...	...	...	
		i	39 25	...	...	...	
		i	42 53	...	...	...	
		F	7 18 ...	...	...	...	
„ 29	E	e	15 17 0	...	...	...	
		F	28 ...	...	...	...	
„ 30	E	iP	0 45 47	...	...	2,820	Shock of moderate intensity. Depth of focus between 35—40 km. Epc : 5°N.; 89°E. South Bay of Bengal. H=0h. 40m. 28s. Epc : 5°N.; 90°E. H=0h. 40·5m. (Strasbourg).
		ipP	45 57	...	...	...	
		PR_1	46 37	...	...	...	
		iS	50 15	...	...	...	
		isS	50 28	...	...	...	
		SR_1	51 20	...	...	...	
		L	52 44	...	...	...	
		F	1 47 ...	...	...	...	
„ 30	E	iP	13 6 4	...	...	5,045	Shock of moderate intensity. Epc : 6°·5N, 37°·5E. Abyssinia. H=12h.57·9m. Epc : 7 °.5N.; 45°E. h=100km. (Strasbourg).
		PR_1	7 49	...	...	...	
		iS	12 51	...	...	...	
		SR_1	16 10	...	...	...	
		L	19 54	...	...	...	
Dec. 5	E	i	15 43 49	...	...	...	Distant, Slight.
		i	47 42	...	...	...	
		F	17 46 ...	...	...	...	
„ 6	E	iP	4 43 43	...	...	6,000	Epc : Near Bonin Island.
		iPR_1	45 44	...	...	...	
		iS	51 23	...	...	...	
		PS	51 55	...	...	...	
		SR_1	54 58	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		L?	5 0 44	...	...	...	
		F	6 54 ...	...	...	...	
Dec. 6	E	e	19 19 43	...	...	...	Near, Feeble.
		S	21 18	...	...	...	
„ 8	E	P	8 39 39	...	...	4,190	Moderate. Epc : 25° N., 120°E. H=8h. 32m. 17s. Epc : 26°N., 119°E. H. O=8h. 32. 4m. (U.S.C.G.S.) Epc : 23°·2N., 121°E Felt in all Formosa (Taihoku).
		PR_2	41 23	...	...	...	
		iS	45 38	...	...	...	
		SR_2	48 42	...	...	...	
		L?	50 57	...	...	...	
		Mn	57 54	15	98	...	
„ 8	E	P	20 46 13	...	...	4,380	Epc : Probably in the neighbourhood of the previous shock.
		PR_2	47 57	...	...	...	
		S	52 24	...	...	...	
		SR	55 12	...	...	...	
		Mn	21 4 26	15	15	...	
„ 10	E	P	13 38 11	...	...	5,955	
		PR_1	40 18	...	...	...	
		S	45 49	...	...	...	
		SR_1	49 29	...		...	
		F	15 49 ...	...	...	...	
„ 13	E	P	19 1 27	...	...	4,180	Epc : 24°N., 121°E. 23°N., 120°E. South of Formosa (Strasbourg). Felt in all Formosa (Manila).
	E	PR_2	3 8	...	...	...	
	N,E	S	7 26	...	...	...	
	E	SR_1	9 46	...	...	...	
	E	SR_2 ?	10 31	...	...	...	
	E	L	12 37	...	...	...	
	N	Mn	19 3	17	52	...	
	E	Mn	19 53	...	...	...	
	N	F	20 3 ...	...	...	...	
„ 17	E	e	4 34 42	...	...	...	
		i (S?)	41 15	...	...	...	
„ 17	E	P	9 39 42	...	...	4,235	Epc : Same as 8d 8h: 40m.
		PR_2	41 31	...	...	...	
		S	45 44	...	...	...	
		SR_2	48 42	...	...	...	
		Mn	57 59	14	44	...	
„ 18	N	eP }	13 21 40	...	...	1,635	Epc: 42°·0 N., 71°·6E O=13h 18m 05S
	E	P }					
	E	?	22 30	...	...	...	
	N	S }	24 32	...	...	...	
	E	iS }					
	E	SR_1	24 52	...	...	...	
	E	L	25 31	...	...	...	
	E	M	26 40	...	...	...	
	E	Mn	28 23	15	108	...	
	N	Mn	28 32	11	242	...	
	N	F	14 11 ...	...	...	...	
	E	F	15 2 ...	...	...	...	

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TABLE D_1—*concld.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Dec. 20	E	P	5 0 37	...	...	...	Near, Slight. Epc : 29° N., 81° E. Western border of Nepal. O=4h·59m. 50s.
	N	e	0 41	...	...	...	
	E	i	0 47	...	...	...	
	E	i	1 19	...	...	...	
	N	iS	1 29	...	...	...	
„ 22	E	e	4 0 31	...	...	...	Distant, slight.
„ 23	E	P'	13 37 33	...	...	15,220	Great. Rocked Mexico and the surrounding area. Epc : 17°·5N. 97°·5 W. H. O.=13h. 17m. 56s. (Strasbourg). Destructive in Mexico.
	N;E	PR_1	40 21	...	...	...	
	N,E	PR_2	43 17	...	...	...	
	N,E	ScPcS	44 13	...	...	...	
	E	ScPcPcS	46 49	...	...	...	
	N	i	47 13	...	...	...	
	N	i	50 10	...	...	..	
	E	PScPcS	50 24	...	...	...	
	E	PPS	52 1	...	...	...	
	N	i	52 25	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
	E	SR_1	58 6	...	...	...	
	E	SR_2	14 2 47	...	...	...	
	E	Mn	34 19	26	174	...	
	N	Mn	40 45	26	193	...	
	E	F	18 12 ...	...	...	...	
„ 24†	E	e	6 40 37	...	...	...	Distant, Slight.
		Mn	Between 7h 51m 41s to 52m 41s	23	19	...	
„ 25†	E	P	10 2 59	...	...	...	
		e(S?)	8 50	...	...	...	
„ 28†	E	iP	3 19 15	...	...	6,200	Surface waves poor.
		iS	27 7	...	...	...	
„ 28†	E	e	6 37 57	...	...	...	Distant, slight.
		i	45 7	...	...	...	
„ 31†	E	e	18 3 28	...	...	...	Distant, slight.
		F	20 18 ...	...	...	...	

†Absolute times uncertain by ±3 secs.

G. CHATTERJEE,

Meteorologist-in-charge, Upper Air Observatory, Agra.

STATION—COLABA OBSERVATORY, BOMBAY.

Lat. 18° 54′ N. *Long.* 72° 54′ E. *Height above M. S. L.* 6 metres.

Lithologic foundation : Trap Rock.

Instruments :—Milne-Shaw seismographs, North-South (N) and East-West (E) components, installed in an underground constant temperature room. Photographic registration.

INSTRUMENTAL CONSTANTS.

Component.	Steady mass. (Kg.)	T. (sec.).	Vm	ε	Paper speed (mm./min.).	Period for which the constants apply.
N	0·45	12	250	20 : 1	8	Jan.—June.
	„	„	„	15 : 1	„	July—Sept.
	„	„	„	33 : 1	„	Oct.—Dec.
E	„	„	350	100 : 1	„	Jan.—Aug.
	„	„	„	20 : 1	„	September.
	„	„	„	77 : 1	„	October.
	„	„	„	20 : 1	„	Nov.—Dec.

TABLE D_2.

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Jan. 4	N,E	e	23 7 42	...	...	...	Time uncertain due to congestion of lines.
	N	e	13 30	...	...	...	
„ 5	E	iP	0 5 46	...	...	(7,200)	Slight. Distant. Deep focus ? Epc : 4°S., 135°E., North-West New Guinea.
	N,E	iS	14 34	...	...	...	
	N,E	F	1 15 36	...	...	...	
„ 5	E	iP	4 57 12	...	...	(7,235)	Slight. Deep focus ? Near Northwest New Guinea.
	N,E	e	5 1 8	...	...	...	
	N,E	eS	6 2	...	...	...	
„ 5	N,E	e	11 18 30	...	...	...	Slight. Epc: North Riu Kiu Islands (Chiufeng).
	E	e	21 18	...	...	...	
	N,E	i	26 11	...	...	...	
	N	i	27 18	...	...	...	
„ 5	N	e	17 4 32	...	...	...	
	N,E	e	7 23	...	...	...	
	N,E	F	25 ...	...	...	...	
„ 5	N,E	eP	21 47 25	...	...	6,020	Slight. Epc: 31°N., 132°E. Off South Japan. O : 21 h. 38 m. 0s.
	N,E	S	55 7	...	...	...	
	N	Mn	22 17 32	11	5	...	
	E	Mn	16 34	11	4	...	
	N,E	F	23 1 ...	...	...	...	
„ 7	N,E	iP	6 22 24	...	...	6,750	Slight. Epc : 35°·8N., 141° E., Japan. O ; 6h. 12m. 15s.
	N,E	eS	30 48	...	...	...	
	N,E	F	7 27 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Jan. 7	N,E	iP	13 26 25	...	...	2,955	Great. China. Epc : 35°N., 96°·5 E. O : 13h. 20m. 42s. 35°·5N., 97°·5E. (U. S. C. G.S.) 36°·1 N., 98°·6E. (J S. A.)
	N,E	PP	27 1	...	...	...	
	N,E	iS	31 5	...	...	...	
	N,E	SS	32 17	...	..	...	
	N,E	L	34 ...	...	...	...	
	N	Mn	39 ...	8	>44	...	
	E	Mn	39 ...	8	>357	...	
	N	F	17 32 ...	...	...	...	
	E	F	45 ...	...	...	...	
Jan. 7	N,E	e	17 56 ...	...	...	...	Aftershock of the previous great shock?
	N,E	e	18 00 23	...	...	...	
	N	Mn	3 13	7	6	...	
	N,E	F	29 ...	...	...	...	
„ 12	N,E	e	5 49 ...	...	...	...	Feeble.
	N,E	e	51 ...	...	...	...	
	N,E	e	53 23	...	...	...	
	E	Mn	55 29	...	...	...	
	N,E	F	6 10 ...	...	...	...	
„ 15	N,E	e	5 25 8	...	...	...	
	N,E	e	28 0	...	...	...	
„ 16	E	eP(?)	13 22 30	...	...	2,480 ?	Feeble. Felt strongly at Salona and Gauhati and feebly at Tezpur, Naya Dumka and Shillong.
	E	i	23 2	...	...	...	
	N,E	S	26 34	...	...	...	
	N,E	L(?)	28 30	...	...	...	
	N,E	F	41 ...	...	...	...	

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TABLE D_2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
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	...	...	9,220	Slight. Surface waves poor. Near Caroline Islands?
	N,E	S	18 35	...	...	...	
	N,E	PS	19 21	...	...	...	
	E	SS	24 13	...	...	...	
	N	F	12 49 ...	...	...	...	
	E	F	13 00 ...	...	...	...	
,, 25	N	eP }	6 47 21	...	...	10,400	Moderate. Epc: 10°·6S., 163°·3 E. (J. S. A.) 12°S., 164°E. (U. S. C. G. S.).
	E	iP }					
	N,E	iSKS	57 53	...	...	...	
	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 N	iP } eP } (?)	17 36 28	...	...	(7,300)	Slight. In the region of Marianne Islands (Chiufeng).
	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 ...	...	...	...	

Date.	Com	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937 .							
Feb. 12	N,E	P	5 4 50	...	...	6,280	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	Mixed up with the next shock.				
,, 12	N,E	eP	5 39 22	...	...	3,245	Slight. Epc: Gobi desert.
	N,E	iS	44 25	...	...	...	
	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	...	...	7,380	Great. Epc: 45.°2N., 148.°6E. (J. S. A.)
	N,E	PcP	14 13	...	...	...	
	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 after shock.				
,, 21	N,E	eP(?)	11 3 7	...	...	...	Feeble. Aftershock of the great previous shock ?
	N,E	eS(?)	12 12	...	...	...	
	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 13 ...	...	...	.	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Feb. 22	N,E	e	13 34 31	...	...	...	Feeble.
	N,E	e	44 4	...	...	...	
	E	F	14 52 ...	...	...	...	
,, 23	E	iP	0 14 43	...	...	2,765	Feeble. Epc: Near 26.°5N. 98.°5E., North-East Frontier of Burma.
	N,E	iS	19 10	...	...	...	
	N, E	F	Mixed up with following shock.				
,, 23	N, E	iP	0 59 10	...	...	7,555	Slight, Δ from PP-P. Aftershock of 21d 7h.(?).
	E	PP	1 1 32	...	...	...	
	E	i	3 33	...	...	...	
	N, E	eS(?)	8 18	...	...	...	
	E	i	12 14	...	...	...	
	E	F	3 19 ...	...	...	...	
,, 2	N,E	e	9 4 10	...	...	...	Slight.
	E	Mn	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 ...	...	...	...	
Mar. 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	$e(P_1^1)$	15 59 56	...	...	16.000	Slight. Δ from $(PPS—P_1^1)$ Epc.: 8°·9N., 83·°8W H—15h. 40m. 20s. (U. S. C. G. S.) Epc: 10°·6N., 83°·4W (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 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Mar. 6	N,E	e(P)	20 24 1	...	...	2,245	P in minute eclipse. Slight. Epc. 29°·0N., 92°·5E.
	N,E	e(S)	27 46	...	...	...	
	N,E	e	29 33	...	...	...	
	N,E	i	30 23	...	...	...	
	N,E		31 37	...	...	...	
	E	Mn	33 45	...	...	...	
	N	F	50 ...	...	...	...	
	E	F	21 00 ...	...	...	...	
,, 11	NE,	M	18 9 ...	...	...	...	Seismic activity.
,, 12	N	eP } (?)	9 28 18	...	...	(5,000)	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	36 ...	...	...	...	
,, 13	N,E	e	12 45 ...	...	...	...	
	N,E	F	13 20 ...	...	...	...	
,, 14	N,E	iP'_1	12 15 29	...	...	15,950	Slight. Epc: 23.°8 S. 71.°OW. O: 11h. 56m. Ols. (J. S, A.) 25° S., 70° W. O: 11h. 55m. 48s. (U. S. C. G. S.) Minor Damages reported, Taltal, Chile.
	N,E	i	15 45	...	...	...	
	E	eSKKS	25 21	...	...	...	
	E	i	25 33	...	...	...	
	N,E	e	29 16	...	...	...	
	E	e(SS)	37 9	...	...	...	
	N,E	L	59 ...	...	...	...	
	E	Mn	13 18 16	20	4	...	
	N,E	F	14 18 ...	...	...	...	
,, 15	N,E	eP(?)	6 3 0	...	...	4,120(?)	P in minute eclipse. Slight Epc: Sumatra.
	N,E	ePP	4 34	...	...	...	
	N,E	S(?)	8 55	...	...	...	
	N,E	F	55 ...	...	...	...	
,, 16	E	i(P)	15 54 00	...	...	5,440	No record in N from 14h. 34m. to 16h. 24m. Slight. Epc: 18° N., 123° E. Felt in Northern Luzon and slightly in Manila.
	E	i	54 42	...	...	...	
	E	i(PP)	55 49	...	...	...	
	E	L	16 8 ...	...	...	...	
	E	Mn	16 38	16	4	...	
	E	F	45 ...	...	...	...	
,, 16	N	e } P	22 40 45	...	...	...	Slight.
	E	i }					
	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 }	35 12	...	...	...	
	E	i }					

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TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M.S.	Sec.	μ	Km.	
Mar. 19	N,E	e	53 40	...	...	...	
	E	Mn	19 29 ...	...	...	...	
	N	Mn	30 ...	...	...	...	
	E	F	19 54 ...	...	...	...	
	N	F	20 12 ...	...	...	...	
„ 21	N,E	eP	16 16 45	...	...	2,300	Slight. Epc: 26.° 6N., 92.° 7E. near Tezpore, Assam. O: 16h. 12m. 5s. Felt at Dhubri; Sylhet, Bogra, Jalpaiguri, Cherrapunji, Dibrugarh, Gauhati and Salona.
	N,E	i(pP)(?)	16 53	...	...	...	
	N	PPP	17 14	...	...	...	
	N,E	iS	20 35	...	...	...	
	N,E	i(sS?)	20 50	...	...	...	
	N	PcP	20 55	...	...	...	
	N,E	SS	21 6	...	...	...	
	N,E	L	22 10	...	...	...	
	N	F	17 21 ...	...	...	...	
	E	F	24 ...	...	...	...	
„ 21	N,E	e	18 18 ...	...	...	...	Feeble.
	N,E	e	24 47	...	...	...	
	N;E	i	26 00	...	...	...	
	N,E	F	46 ...	...	...	...	
„ 21	N,E	e	19 39 44	...	...	...	Feeble. Epc: 45.°5N., 143° E. (Chiufeng).
	N,E	e	48 7	...	...	...	
	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	...	...	3,535	Slight. Epc: 11.°5 S., 64°E.
	N	PPP	56 32	...	...	...	
	N,E	S	10 0 45?	...	...	...	
	N,E	L	4 40	...	...	...	
	N	Mn	9 27	11	5	...	
	E	Hn	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	...	...	1,920	Feeble. Epc: 28°.5 N., 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 ...	...	...	...	
April 3	N	M	1 42 37	...	...	...	
	E	M	43 15	...	...	...	
„ 3	E	e	21 18 45	...	...	...	Feeble.

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
April 3	N, E	i	25 23	...	...	...	
	N, E	F	57 ...	...	...	...	
„ 5	N, E	iP	07 07 01	...	...	6,780	Moderate. P is minute eclipse. Surface waves small. Epc: 5°S., 130°E. near Banda Islands. H—6h. 56m. 53s.
	N	PP	9 20	...	...	...	
	N, E	iS	15 26	...	...		
	N, E	PS	15 51	...	...	...	
	N	ScS	17 4	...	...	...	
	N, E	SS	19 37	...	...	...	
	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	...	...	2,720	Slight. Surface waves poor. Epc: 36°N., 53°·0E. Persia.
	N, E	iS	40 45	...	...	...	
	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	...	...	12,500	Moderate. P in minute eclipse. Δ from mean of SKS—P and SS—P. Epc: 22°·2 S., 179°·0E. H=03h. 01m. 34s. Depth=390±km. (J. S. A.).
	N, E	P	16 00	...	...	...	
	N, E	e (pP?)	17 27	...	...	...	
	N, E	e (sP?)	18 08	...	...	...	
	E	i	19 09	...	...	...	
	E	PP	20 28	...	...	...	
	N	PP	20 34	...	...	...	
	N, E	ipPP	22 15	...	...	...	
	N, E	i	22 37	...	...	...	
	N, E	iSKS	26 00	...	...	...	
	N, E	i	27 10	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ.	Km.	
Apr. 16	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	iS?	36 00	...	...	...	
	N, E	e	50 00	...	...	...	
	N, E	F	06 20	...	...	...	
„ 29	N, E	P	19 5 51	...	...	10360	Moderate. Δ from PP—P. Epc: 53°·8N., 160°·5W. Depth=40+kms. (J. S. A). 53°·0N., 161°W. (U. S. C. G. S.). H=18h. 52m. 40s.
	N, E	ePP	9 32	...	...	...	
	N, E	e	16 32	...	...	...	
	N, E	S (?)	16 46	...	...	...	
	N, E	e	18 35	...	...	...	
	N, E	e (SS)	23 17	...	...	..	
	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	...	...	5,870	
	N, E	i	35 55		...	...	
	N, E	e	38 19		...	...	
	N, E	F	21 36 ...	...	...	...	
„ 30	E	eP(?)	19 36 06	...	...	1,400	Slight. Epc: 29°N., 81°E. in Nepal. H=19h. 33m. 05s. N—No record.
	E	eS	38 35	...	...	...	
	E	i	39 15	...	...	...	
	E	Sg(?)	40 8	...	...	...	
	E	Mn	40 37	...	...	...	
	E	F	20 5 ...	...	...	...	
„ 30	E	e	20 9 30	...	...	...	Epc: Possibly in the neighbourhood of the preceding shock. N—No record.
	E	e	9 30	...	...	...	
	E	e	10 28	...	...	...	
	E	e	12 26	...	...	...	
	E	F	32 ...	...	...	...	
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 ...	...	...	...	
	N	No record from 4d 3h 4m to 4h 10m, 6h 27m to 7h 1m, and 4d 8h 28m to 5d 2h 30m.					
	E	No record from 4d 5h 0m to 5d 5h 20m.					
„ 4	N	e	5 32 43	...	...	...	Slight. Epc: 59°·4N., 152°·9 W. (J. S. A.)
		e	59 ...	...	...	...	
		F	Lost in shifting.				
„ 6	N, E	e	10 41 31	...	...	...	Feeble.
	N, E	F	11 10 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ.	Km.	
May. 9	E	Record lost from 9d 3h 00m to 4h 0m, 4h 27m to 9h 26m.					
„ 9	N, E	i(P)	14 57 44	...	...	...	Slight. Epc: 48°·0N., 150°·5E. near Kurile Islands. H=14h. 46m. 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 44 ...	...	...	...	
	E	e	46 7	...	...	...	
	E	(i)	48 55	...		...	
„ 11	E	Record lost from 3h 23m to 39m.					
„ 12	N, E	i (P?)	2 56 20			7,890	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	...	...	3,350	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 ?
		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 ·· 49	...	...	(6,230)	Slight. Deep focus. Surface waves very poor.
	N, E	i	8 32	...	...	...	
	N, E	iS	13 43	Sharp. Maximum movment.			
	N	e	16 57	...	...	...	
	E	i	17 05	...	...	...	
	N, E	F	21 26 ...	...	...	...	
„ 29	E	Record lost from 29d 3h 00m to 29d 10h.					
	N	Record lost from 29d 4h 10m to 29d 7h 52m.					
„ 30	E	Record lost during adjustments from 2h 52m to 4h 33m.					
„ 31	N, E	P	5 37 26	...	...	1,400	Slight. Δ from P—O. Epc: 29°·3 N., 81°·0E., western border of Nepal. O=5h 34m 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 ...	...	...	...	

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TABLE D_2—*contd*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
May 31	E	e	15 44 23	...	...	...	Slight. Deep focus. Epc: 2°·5 S., 159°·5 E. (Chiu-feng).
	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	Record lost from 15h 19m to 16h 26m.					
„ 21-22	N, E	iP¹	15 32 50	...	...	16,500	Moderate. Δ from SS—$P_1$¹. Epc: 8°S., 80° W. (U. S. C. G. S.) 6°·8 S., 79°·9 W. H=15h. 13m. 17s. Depth=50km. 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	eL	26 ...	...	...	...	
	E	Mn	43 30	19	120	...	
	N	Mn	43 30	19	11	...	
	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	...	...	2,955	Moderate. Epc: 7°·5 N., 98° E. North of Sumatra. H=11h. 49m. 55s. In minute mark.
	N, E	PP	56 13	...	...	...	
	N, E	PPP	56 28	...	...	...	
	N, E	e	58 28	...	...	...	
	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 ...	...	...	...	
„ 2	E	e(P)	2 50 48	...	...	11,370	Slight. Δ from PP—P.
	N, E	i(PP)	54 53	...	...	...	
	N, E	i	3 00 14	...	...	...	
	E	Mn	34 ...	23	16	...	
	N, E	F	Lost in microseisms.				
„ 4	E	e(P)	6 8 34	...	...	10,710	Slight. Δ from PS—P.
	E	i	9 22	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
	N, E	e(PP)	12 21	...	...	...	
	N, E	e	14 ...	Lost in minute gap.			
	E	e	15 38	...	...	...	
	E	(SKS)	19 01	...	...	...	
	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 ...	...	...	...	
July 10	N	Record is lost from 10d 8h 20m to 11d 3h 40m.					
	E	Record is lost from 10d 10h 00m to 11d 4h 1m.					
„ 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	...	...	2,955	Slight. Epc: As of July 1.
	E	e	8 36	...	...	...	
	E	eS?	12 40	...	...	...	
	E	Mn	0 20 ...	13	9	...	
	E	F	1 30 ...	...	...	...	
„ 14	E	e	22 38 48	...	...	...	Slight, feeble.
	E	e	39 55	...	...	...	
	E	e	41 03	...	...	...	
	E	e	42 10	...	...	...	
	E	eS	47 00	...	...	...	
	E	M	23 7 ...	...	...	...	
	N	M	9 ...	...	...	...	
	E	Mn	10 ...	15	6	...	
	E	F	Lost in microseisms.				
„ 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 ...	...	...	...	

TABLE D_2—*contd.*

Date	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
July 19	N,E	e	10 9 ...	...	...	...	Feeble.
	N;E	e	15 ...	...	...	...	
	N,E	F	Lost of microseisms.				
„ 19	N,E	i	19 54 46	...	...	...	Slight. Epc: 1°·5 N., 77°·5 W. H-19h. 35m. 50s- h=175 km. (J. S. A.)
	E	i	55 26	...	...	...	
	N,E	i	56 46	...	...	...	
	N,E	e	58 45	...	...	...	
	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	...	...	9,770	Moderate. Epc: 64°·5 N., 145°·1 W. H=17h. 09m. 36s. G. M. T. Felt all over Central Alaska (J. S. A.)
	N,E	e	28 10	...	...	...	
	N,E	SKS	32 48	...	...	...	
	N,E	S	33 08	...	...	...	
	E	e	33 28	...	...	...	
	N,E	SS	38 43	...	...	...	
	E	Mn	18 4 ...	19	138	...	
	N	Mn	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′₁	4 06 27	...	...	15,550	Slight. Epc: 18°·6 N., 95°·8 W. H=3h. 47m. 11s. h=75 km. Damage reported from cities along the Gulf coast of Mexico etc. (J.S.A.) h=100 km. (Kew).
	E,N	i	06 35	...	...	...	
	N	ipPP	10 03	...	...	...	
	E	i	10 09	...	...	...	
	N	i	13 18	...	...	...	
	E		Confused by microseisms.				
„ 26	N	eP	20 7 06	...	...	6,655	Moderate. Epc: 37°N., 140°E. 40°N., 142°E. (U. S. C. G. S.)
	E	iP					
	N	i	7 13	...	...	...	
	E	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	Mn	33 ...	24	52	...	
	N, E	F	21 22 ...	...	...	..	
„ 30	E	e	14 18 ...	...	...	...	
	E	F	15 21 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
July 31	N,E	eP(?)	20 43 26	In minute gap.		4,455	Moderate 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	...	
	N,E	F	22 00 ...	...	...	...	
Aug. 1	N,E	eP	10 48 49	...	...	4,345	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	11 6 ...	11	20	...	
	N	Mn	11 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	...	...	2,750	Slight. Epc: 6° N., 94°·5 E. off N. Sumatra.
	N,E	iPP	41 15	...	...	...	
	N,E	iS	45 12	...	...	...	
	N,E	eSS	46 16	...	...	...	
	N,E	M	51 ...	16	11	...	
	N,E	F	2 22 ...	...	...	...	
„ 5	N,E	eP(?)	14 55 49	...	...	8,550	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	E	e	5 9 ...	In minute mark.		2,920	
		eP	5 9 33	...	...	...	
	E	e	12 41	...	...	...	
	N,E	e	13 38	...	...	...	
	N,E	e	16 14	...	...	...	
	E	M	16 ...	...	...	...	
	N	M	17 ...	...	...	...	
	N,E	F	Lost in microseisms.				
„ 9	E	No record between 9d. 1h. 2m. to 9d. 2h. 56m.					
„ 9	E	e	12 54 31	...	...	...	
	E	e	56 23	...	...	...	
	E	F	Lost in microseisms.				
„ 9	E	eP	14 49 54	...	...	6,850	Slight. Epc: 26° N., 140° E. near Bonin Islands.
	E	PP	52 21	...	...	...	
	E	eS	58 23	...	...	...	

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TABLE D$_2$—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Aug. 9	E	SS	15 2 27	...	...	...	
	E	SSS	4 22	...	...	...	
	E	M	19 ...	...	...	...	
	E	F	16 18 ...	...	...	...	
„ 11	N,E	iP	01 03 55	...	...	5,555	Moderate. Maximum movement of amplitude 14mm after S. Epc : 6° S., 116°·5 E. to the West off Kangean Islands. O : oh. 55m. 52s. Depth=620 km. (appr.) Manila P=1h. 00m. 05 s. Hongkong P=01m. 04s. Christchurch P=05 m.14s. Wellington P=05m. 20s. Rathfarnham Castle P=09m. 40s.
	N,E	ipP	05 47	...	...	...	
	N,E	ePP	06 04	...	...	...	
	N,E	esP	06 57	...	...	...	
	N,E	ePcS	08 44	...	...	...	
	N	iS	10 13	...	...	...	
	E	iS	10 18	...	...	...	
	N,E	esS	13 39	...	...	...	
	N,E	i	13 44	...	...	...	
	N,E	SS?	14 20	...	...	...	
	N,E	F	04 22 ...	...	...	...	
„ 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. Epc: North China Sea.
	E	e(S)	42 09	...	...	...	
	E	e(SSS)	45 27	...	...	...	
	E	eL	48 25	...	...	...	
	E	M	59 ...	...	...	...	
	E	F	7 44 ...	...	...	...	
„ 15	E	e(P)	11 40 59	...	...	2,110	Slight. Epc : 30° N., 89° E. Tibet.
	N,E	ePP	41 17	...	...	...	
	N,E	eS	44 27	...	...	...	
	E	Mn	48 ...	9	6	...	
	N	Mn	50 ...	7	7	...	
	N,E	F	Lost in the next shock.				
„ 15	E	Mn	12 57 ...	...	...	...	Slight. After shock of the preceding one.
	N	Mn	12 56 ...	...	...	...	
	N, E	F	13 38 ...	...	...	...	
„ 17	E	Mn	13 52 ...	...	...	...	
	N,E	F	14 55 ...	...	...	...	
„ 20	N,E	iP	6 46 18	...	...	4,870	Slight. Epc : 24°S., 71°E. Indian Ocean. H=6h. 38m 21s.
	N,E	ePP	47 56	...	...	...	
	N,E	iS	52 55	...	...	...	
	N,E	iSS	55 28	...	...	...	
	N,E	L	56 35	...	...	...	
	E	Mn	7 02 ...	13	6	...	
	N	Mn	02 ...	...	...	...	
	N,E	F	9 15 ...	...	...	...	
„ 20	E	eP	12 07 49	...	...	5,165	Great. P (N) confused by some shift of Zero. Destructive in Manila. Epc : 17°N., 122°E. (U.S.C.G.S.) 14°10'N., 122°05'E. H=11h. 59m. 13s. (Manila).
	E	iP	07 57	...	...	...	
	N,E	iS	14 43	...	...	...	
	N,E	SS	17 38	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Aug. 20	E	Mn	33 30	18	214	...	
	N	Mn	33 ...	17	143	...	
	N,E	F	15 45 ...	...	...	...	
„ 21	E	No record, 4h. 0m. to 19h. 16m.					
	N	No record, 16h. 14m. to 22h. 47m.					
„ 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 34	...	...	...	
	E	e	18 18	...	...	...	
	E	Mn	30 ...	...	...	...	
	E	F	23 00 ...	...	...	...	
„ 25-26	N—No record from 23h 52m to 0h 45m						
	E	e	19 03 35	...	...	...	
	N	Mn	31 ...	...	...	...	
	E	Mn	32 ...	...	...	...	
	E	F	20 32 ...	...	...	...	
„ 28	N—No record from 12h 27m to 13h 45m.						
„ 29-30	N—No record from 22h 49m to 30d 6h 36m.						
„ 31	N,E	iP	14 20 19	...	...	2,535	Moderate, P in minute gap. Epc :25° N., 96°E. Upper Burma. H=14h. 15m 15s
	N,E	iS	24 28	...	...	...	
	N,E	i	26 19	...	...	...	
	N	Mn	28 ...	6	35	...	
	E	Mn	29 ...	7	16	...	
	N,E	F	16 20 ...	...	...	...	
Sept. 1	E	e(P)	8 53 54	...	...	12,800	Slight. Epc : 81°S. 179°W. (U. S. C. G. S.) Kermade Islands. 37°S, 178°W. (Strasbourg) H=8 h. 39 m.
	E	e(P'$_1$)	57 03	...	...	...	
	N,E	e	9 00 18	...	...	...	
	N,E	e(SKS)	04 23	...	...	...	
	N,E	i(PS)	08 03	...	...	...	
	N,E	e	09 38	...	...	...	
	N,E	e	14 25	...	...	...	
	E	e(L)	38 38	...	...	...	
	N	M	46 ...	...	...	...	
	E	Mn	51 ...	15	5	...	
	N,E	F	12 6 ...	...	...	...	

TABLE D$_2$—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937							
Sept. 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	...	...	(9,635)	Moderate. Epc : 52°·5 N., 177°·5 W. Aletian Islands. H=18h. 48m. 29s. h=160—180 km. (J. S. A.)
	N,E	iP	00 57	...	...	...	
	N,E	i	01 05	...	...	...	
	N,E	i	01 48	...	...	...	
	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 Record lost from 2h 29m to 7h 49m.						
	E Record disturbed from 5h 00m to 12h 10m.						
„ 8	N,E	eP$_1$^{1}	0 59 05	...	...	14,510	Slight: Epc : South Atlantic, in the neighbourhood of Cape Horn. H=Oh. 40. lm. (U. S. C. G. S.)
	N,E	ePP	01 01 01	...	...	...	
	N,E	iSKS	06 36	...	..	...	
	N,E	iSKKS	08 16	...	...	...	
	N,E	eS	09 21	...	...	...	
	N,E	i	09 56	...	...	...	
	N,E	ePS	11 42	...	...	...	
	N,E	i	14 26	...	...	...	
	N,E	eSS	18 36	...	...	...	
	N,E	e	25 13	...	...	...	
	N,E	F	Lost in changing chart.				
„ 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	...	...	2,345	Slight. Epc : 27°N. 94°E. Assam. Felt strongly at Dibrugarh and moderately at Gauhati, Tezpur, Salona and Shillon.
	N,E	ePP	42 35	(In minute gap)			
	N,E	eS	46 06	...	...	...	
	N	M	48 41	...	...	...	
	N	F	24 20 ...	...	...	...	
„ 15	E	iP	12 40 36	...	...	10,030	Slight. Epc :, 9°S., 161°E. Solomon Islands.. (U. S. C. G. S.) H=12h. 27m. 37s.
	E	ePP	44 14	...	...	...	
	E	i	51 00	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec	μ	Km.	
1937							
Sept. 15	E	iS	51 32	...	...	...	
	E	ePS	52 29	...	...	...	
	E	F	16 30 ...	...	...	...	
„ 16	N,E	i(P$_1$^{1})	0 8 22	...	...	15,830	△ from PP—P$_1$^{1} Epc : 14°N., 92°W. H=23h. 48m. 52s. (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	...	...	...	
	E	F	12 13 ...	...	...	...	
„ 21	No record in N-S from 6h 32m to 10h 10m						
„ 21	E	iP	7 52 36	...	...	...	Slight. Epc : 21°N., 104°F. 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=9h. 40.0m
	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°·3 E. Felt in Eastern Visayas (Manila);
	N,E	e(S)	27 02	...	...	...	
	N,E	F	4 33 ...	...	...	...	
„ 23	N,E	iP	13 18 26	...	...	9,300	Moderate. △ from SKS—P Epc: 6° S., 154°E. O=13h. 06m. 01s. (U. S. C. G. S.).
	N,E	i	18 58	...	...	...	
	N,E	e	19 26	...	...	...	
	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 07 ...	...	...	...	
„ 26	N,E	e	23 32 53	...	...	...	
	N,E	e	47 ...	...	...	...	
„ 27	E	Record lost from 4h 20m to 17h 30m					
	N	Record lost from 4h 16m to 8h 43m and from 9h 14m to 11h 00m					
„ 27	N	iP	9 03 36	...	...	4,955	Moderate, Epc : 7° S., 110° E. (Strasbourg). Central Java.
	N	e	10 09	...	...	...	
	N	iS	10 18	...	...	...	

TABLE D₂—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Sept. 27	N	eSS	13 09	...	...	...	
	N	No Record from 9h 13m 40s to 11h 00m					
	N	F	13 00 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.
		Mn	42 ...	...	...	...	
		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	F	8 57 ...	...	...	...	
,, 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 : 10°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	lost in microseisms			...	
,, 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	...	...	...	Slight. Two shocks superposed ?
	N, E	F	23 06 ...	...	...	...	
,, 17	N,E	iP	4 57 23	...	...	6745	Slight. Large waves poor in E. 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 and Ambala strongly in Mussoorie.
	N,E	e	26 19	...	...	...	
	N,E	iS	29 09	...	...	...	

Date.	Comdt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
	N,E	iS*	30 08	...	...	...	Lahore and Roorkee moderately in Jullundur, Simla and Srinagar and feebly in New Delhi Epc : 30°.0N. 78°.2E. near Dehra Dun, O=1h.24m.00s M lost in E—W compt. due to fading of light.
	N	i	30 23	...	...	...	
	N,E	i	31 31	...	...	...	
	N,E	M	31 46	8	91	...	
	N, E	F	2 21 ...	...	...	...	
Oct. 22	N,E	e(P)	16 20 36	...	...	...	Feeble. Epc : 0°·5 N., 96°·0 E, West off 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 ...	...	...	...	
,, 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	00 45 ...	...	...	...	
,, 29	N	Record lost from 5h 37m to 7h 49m.					
,, 29	E	iP	7 30 31	...	...	2050	Slight. Felt at Drosh Lahore Cherat, Peshawar, Srinagar and Kabul. Epc : 37° N.,70°·5E., O=7h. 26m. 30s. h=250-300km. 39°N., 69°E. Turkestan (Strasbourg).
	E	i(pP)	31 21	...	...	...	
	E	e(sP)	31 43	...	...	...	
	E	iS	33 40	...	...	...	
	E	i	34 48	...	...	...	
	E	F	8 45 ...	...	...	...	
,, 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. Epc : 36°·8N. 73°·5E. Hindukush. Felt strongly at Srinagar, Gurez and Drosh.
	N,E	e	14 15	...	...	...	
	N,E	eS	14 43	...	...	...	
	N,E	e(L)	16 01	...	...	...	
	N	Mn ?	17 42	...	...	...	
	N,E	F	54 ...	...	...	...	

TABLE D₂—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Nov. 11	N,E	eP	0 4 10	...	...	1210	Slight. Epc. 22°·5N., 62°E, north Arabian Sea. H=0h. 01m. 30s.
	N,E	eS	7 23	...	...	...	
	N,E	Mn	11 00	...	...	...	
	N,E	F	1 33 ...	...	...	...	
,, 12	N,E	e(P)	14 43 10	...	...	1670	Slight. Epc : 33° N., 77°·5E. H=14h. 39m. 50s.
	N,E	e(S)	46 05	...	...	...	
	N,E	F	15 12 ...	...	...	...	
,, 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.				
,, 13	N,E	eP	11 54 58	...	...	2150	Slight. Epc : 38°N., 70°·5E.
	N,E	eS ?	58 35	..	...	...	
	N,E	F	12 41 ...	...	...	...	
,, 13	N,E	Mn	19 01 ...	...	...	...	
	N,E	F	50 ...	...	...	...	
,, 14	N,E	iP	11 02 05	...	...	2,070	Great. Damage to buildings in Chitral and Kashmir. Felt very strongly in the N. W. Frontier, Kashmir and the North Punjab and moderately in the South Punjab and parts of U. P. Epc: 37°·3N.72°·3E. North of the Hindu Kush (tentative). h=200 km. O=10h. 58m. 05s. 36°·5N., 70°·5E. h=220 km. (Strasbourg). 35°·2N., 72°·8E. h=250 km. H=10h. 58m. 12s. (J. S. A.)
		sP	03 06	...	...	...	
		iS	05 21	...	...	...	
		F	14 16 ...	...	...	...	
,, 15	E	No record from 3h 40m to 15h 48m.					
	N,E	iP	21 41 19	...	...	1,710	Moderate. Epc : 34°·5N.; 77°·5E east Kashmir. O=21h. 37m. 34s. Felt fairly strongly at Srinagar. Phu Lien eP=21h. 43m. 22s. Helwan iP=21h. 44m. 58s. De Bilt P=21h. 46m. 47s. Strasbourg iP=21h. 46m. 39s.
	N	eS	44 19	...	...	...	
	E	iS					
	N,E	i	46 10	...	...	...	
	N	Mn	47 46	...	...	...	
	E	Mn					
	N,E	F	23 55 ...	...	...	...	
,, 16	N,E	e	5 35 31	...	...	...	Feeble.
	N,E	F	6 02 ...	...	...	...	
,, 16	N,E	e	13 53 ...	...	...	...	Feeble. Felt feebly at Drosh.
	N,E	F	14 07 ...	...	...	...	
,, 16	N,E	e	22 38 ...	...	...	...	Feeble.
	N	Mn	45 ...	...	...	...	
	E	Mn	46 ...	...	...	...	
	N,E	F	23 7 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Nov. 18	N	No record from 11h 55m to 11d 3h 00m.					
	E	No record from 3h 05m to 14h 02m.					
,, 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 8h 00m to 25d 3h 24m.					
,, 25	N	e	01 01 07	...	...	...	
	N	F	Lost in shifting of charts.				
,, 25	N,E	e	5 07 16	...	...	...	
	N,E	F	8 05 ...	...	...	...	
,, 26	N	eP	10 53 43	...	...	5,010	Slight., Deep focus ? Epc : 27°·5 N., 122° E. east coast of China.
	E	iP					
	E	i	54 02	...	...	...	
	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	...	...	3,535	Moderate. Epc : 2°·0 S., 96°·6E. off West Sumatra. O=5 h 24 m 00s. Strasbourg Δ (PPP-P)=91°·3 Christ Church Δ (S—P) = 78°.
	N,E	iPP	31 27	...	...	...	
	N,E	eS	35 32	...	...	...	
	N,E	SS	37 17	...	...	...	
	N,E	L	39 24	...	...	...	
	E	M	44 ...	15	66	..	
	N	M	48 ...	...	...	...	
	N,E	F	9 14 ...	...	...	...	
,, 30	N	e	00 44 26	...	...	2,465	Moderate. Epc : 5°N., 89°E. South Bay of Bengal H=0h. 40m. 28s. 5°N., 90°E. H.O=0h. 40.5m. (Strasbourg).
	N,E	iP	45 24	...	...	...	
	N,E	iPP	45 35	...	...	...	
	N,E	iS	49 27	...	...	...	
	N,E	iSS	49 45	...	...	...	

International Seismological Centre From the ISC collection scanned by SISMOS

TABLE D₂—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 30	N,E	L	51 25	...	...	...	
	E	M	53 ?	20	...	...	
	E	M	55 ...	13	64	...	
	N	M	55 ...	14	74	...	
	N,E	F	03 25 ...	...	...	...	
„ 30	N	eP	13 05 08	...	...	4,090	Moderate. Epc : 6°·5 N., 37°·5 E. in Abyssinia. H=12h. 57·9m. Strasbourg Δ (S-P) =49°·6 Ksara Δ (S-P)= 29°·5 Bucarest Δ (S-P) =39°·0 Beograd Δ (S-P) =41°·6 Trieste Δ (S-P) =44°·3 Stuttgart Δ (S-P) =48°·5 Helwan Δ (P-H) =21°·9 Cape Town Δ (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	...	...	...	Feeble.
	N,E	e	43 58	...	...	...	
	N,E	e	49 13	...	...	...	
	N,E	e	16 23 0	...	...	...	
	N,E	F	18 05 ...	...	...	...	
„ 6	N,E	eP	4 44 44	...	...	6,850	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	...	...	4,950	Moderate. Epc : 25° N., 120°E. H=8h. 32m. 17s. 26°N., 119°E. H.O.=8h. 32·4m. (U. S. C. G. S.) 23°·2 N., 121°E., felt in all Formosa. (Taihoku).
	N,E	ePP	42 29	...	...	...	
	N,E	iS	47 11	...	...	...	
	N,E	SS	50 24	...	...	...	
	N,E	L	54 14	...	...	...	
	E	Mn	9 03 24	15	75	...	
	N	Mn	04 40	12	33	...	
	N,E	F	12 11 ...	...	...	...	
„ 8	N,E	e(P)	20 47 4	...	...	...	Feeble. Epc : Probably in the neighbourhood of the previous shock.
	N,E	e(S)	53 50	...	...	...	
	N,E	F	22 15 ...	...	...	...	
„ 10	N,E	eP	13 39 20	...	...	6,845	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 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Dec. 10	E	e	19 45 41	...	...	...	Feeble.
	E	F	20 11 ...	...	...	...	
„ 12	E	e	8 18 8	...	...	...	Mostly surface waves.
	N,E	e	26 22	...	...	...	
	E	Mn	9 07 ...	11	4	...	
	N,E	F	12 18 ...	...	...	...	
„ 13	E	eP	19 2 19	...	...	4890	Moderate. Epc, 24°N. 121° E. 23° N., 120° E. South of Formosa (Strasbourg). Felt in all Formosa. (Manila).
	N	eP	02 23	...	...	...	
	N, E	e(PP)	04 11	...	...	...	
	N, E	iS	08 57	...	...	...	
	N, E	eSS	12 04	...	...	...	
	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	...	...		Large waves.
	E	e	44 13	...	...	...	
	E	F	09 55 ...	...	...	...	
		N—Record lost from 9h 10m to 11h 2m, and 17h 38m to 18h 40m.					
„ 16	E	e	17 47 ...	...	...	...	Feeble.
	E	e	50 41	...	...	...	Epc : 36°·4 N., 21°·O E. Near Athens (Strasbourg).
	E	e	53 57	...	...	...	
	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	4	...	
	N, E	F	06 24 ...	...	...	...	
„ 17	E	e	08 35 ...	(Large Waves).			Feeble.
		F	09 18 ...	...	...	...	
„ 17	E	iP	09 40 33	...	...	4950	Moderate. Epc : Same as Dec. 8d 8h 40m.
	N	eP					
	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	...	...	...	

TABLE D₂—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec	μ	Km.	
Dec. 17	N	e	57 58	(In minute gap.)			
	N	Mn	10 00 00	15	21	...	
	E	Mn	03 21	11	31	...	
	N, E	F	13 08 ...	...	...	...	
„ 17	N, E	e	19 46 ...	...	...	...	Large waves.
	E	Mn	53 14	...	...	...	
	N, E	F	20 20 ...	...	...	...	
„ 18	N	iP	13 23 11	...	...	2,500	Moderate Epc : 42°O N. 71° 6 E, O=13h. 1 8m.05 Bucarest Δ (P-O) =32·7° Beograd Δ (P-O) =36.3 Tierste Δ (P-O) =39. °9 Stutgart Δ (P-O) =42.°5 Kew Δ (P-O)=47°6
	E	eP					
	N	iPP	23 36	...	...	...	
	E	ePP					
	N, E	iS	27 17	...	...	...	
	N, E	eSS	27 51	...	...	...	
	N; E	L	29 17	...	...	...	
	N	Mn	33 15	10	38	...	
	E	Mn	33 15	11	44	...	
	N, E	F	15 30 ...	...	...	...	
„ 20	N, E	eP	05 02 40	...	...	1,380	Slight. Epc : 29° N., 181°E. Western border of Nepal. O=4h 59m 50s.
	N; E	eS	04 59	...	...	...	
	N, E	Sg	06 14	...	...	...	
	E	Mn	06 35	...	...	...	
	N	Mn	06 40	...	...	...	
	N, E	F	06 00 ...	...	...	...	
„ 21	E	No record from 13h 50m to 19h 40m.					
„ 22	N	e	03 57 15	...	...	...	Slight.
	N;E	i	04 00 20	...	...	...	Epc : 17°N., 106°W. H. O=3h. 37m. 17s (U. S. C. G. S-) Epc : 17°N., 105.°7W H=3h 37m 15s (J. S. A.)
	E	e	18 58	(In minute eclipse).			
	N, E	e	36 58	(In minute eclipse).			
	N	Mn	05 05 ...	...	...	...	
	E	Mn	05 45	...	...	...	
	N; E	F	06 34 ...	...	...	...	
„ 23	N, E	iP₁	13 37 32	...	...	16,000	Great. Δ from PP-P₁. Epc : 17°5 N., 97.°5W. H. O=13h. 17m 56s. (Strasbourg). Destructive in Mexico.
	N, E	e	38 56	...	...	...	
	N, E	iPP	40 33	...	...	...	
	N, E	iPPP	43 56	(In minute mark).			
	N, E	SKS	44 56	(„ „)			
	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	(ScSScS)	14 01 32	...	...		

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Dec. 23	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 10°S., 76°W (U. S. C. G. S.)
	N, E	e	44 03	...	...		
	N, E	e	7 03 06	...	...	...	
	N, E	e	32 29	...	...	...	
	E	Mn	47 12	19	35	...	
	N, E	Mn	9 29 ...	...	...	...	
„ 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	E	Mn	1 15 ...	...	...	...	Feeble.
	E	F	42 ...	...	...	...	
„ 28	E	e	3 19 37	...	...	...	In hourly break. N—record lost.
	E	i	27 30	...	...	...	
	E	F	Lost in shifting.				
„ 28	E	eP	6 33 24	...	...	11220	Slight. Δ from PP-P Epc: 1°8 S.,22°. O.W. H. O=6h. 19. 6m. Strasboosg.
	N, E	iPP	37 26	...	...	...	
	N, E	iSKS	44 00	...	...	...	
	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	Mn	27 ...	...	...	...	
	N, E	F	9 43 ...	...	...	...	
„ 31	N, E	E	18 01 5	...	...	...	Feeble.. Epc : 15°N 98°W. (U. S. C. G. S.)
	E	Mn	19 8 ...	...	...	...	
	N, E	F	26 35 ...	...	...	...	

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International Seismological Centre From the ISC collection scanned by SISMOS

STATION—ALIPORE OBSERVATORY, CALCUTTA.

Lat. 22° 32′ *Long.* 88° 20′ *Height above M. S. L.* 7·1 metres (for Milne-Shaw).

6 metres (for Omori-Ewing).

Lithologic Foundation : Alluvial.

Instrument :—(1) Milne-Shaw Seismograph North-South (N) component ;

(2) Omori-Ewing Seismographs, North-South (N) and

(3) East-West (E) components.

INSTRUMENTAL CONSTANTS.

Component.	Steady mass. (Kg.)	T. (sec.).	Vm	ε	Paper speed (mm/min.)
(1) N	0·45	12	250	20 : 1	8
(2) N	50	28	32	1	25·4
(3) E	50	28	30	1	25·4

TABLE D. 3.

Date.	Compt.	Phase	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Jan. 2-3	N	e	23 39 19	...	...	...	Tremor.
		F	0 12 ...	...	...	...	
„ 4	N	e	20 26 13	...	...	...	Tremor.
		e	31 17	...	...	...	
		F	53 ...	...	...	...	
„ 4	N	e	22 57 9	...	...	...	Confused by microseisms.
		i	2 5 6	...	...	...	
		i	5 28	...	...	...	
„ 5	N	e	0 4 20	...	...	...	Confused by microseisms. Epc. 4·S., 135·E. Northwest New Guinea.
		iS	11 46	Large movement			
		i	13 46	...	...	...	
		L	17 29	...	...	...	
„ 5	N	P	(?)	...	...	5680	Slight.
		iS	5 3 27	Large movement			Epc. Near N.W; New Guinea.
		L	11 42	...	...	...	
		F	6 4 ...	...	...	...	
„ 5	N	e (?)	11 16 49	...	...	4350	Confused by microseisms. Slight, Epc. North Riu Kiu Islands (Chiufeng).
		iS	... 22 58	Large movement			
		L	... 29 20	...	...	...	
		F	Lost in congestion of lines.				
„ 5	N	e (?)	16 57 54	...	...	...	Slight; Near.
		i	59 29	...	...	...	
		i	17 0 29	...	...	...	
		F	29 ...	...	...	...	
„ 5	N	eP (?)	21 45 27	...	...	4345	Slight. P uncertain due to microseisms. △ from (S-H) Epc : 31 N; 132°E. Off South Japan.
		e	47 14	...	...	...	
		S	51 37	...	...	...	
		SR₂	55 4	...	...	...	
		L	57 45	...	...	...	
		M	22 1 29	...	...	...	
		Mn	9 44	12	36	...	
		F	23 37 ...	...	...	...	
Jan. 7	N	P	6 20 46	...	...	5230	Slight, Epc: 35° N; 141°E. Japan.
		PR₂	23 14	...	...	...	
		S	27 44	...	...	...	
		L	35 3	...	...	...	
		Mn	43 33	15	14	...	
		F	... ...	...	...	...	Lost in congestion of lines.
„ 7	N;E	P	13 24 14	...	...	1 710	Very great. Epc: 35·O N; 96·5E. in China. 35·5 N. 97·5 E. (U. S. C. G. S.), 36·1 N. 98·6 E. (J.S. A.S) Data taken from Omori Ewing Seismograhs. O: 13h. 20m. 42s.
	N, E	S	27 13	...	...	...	
„ 8	N	e	16 25 51	...	...	...	Tremor.
		F	17 23 ...	...	...	...	
„ 8	N	e	17 31 41	...	...	...	Slight, Near.
		i	33 30	...	...	...	
		F	43 ...	...	...	...	
„ 12	N	e	5 45 57	...	...	...	Slight.
		i	47 18	...	...	...	
		i	47 45	...	...	...	
		M	48 38	...	...	...	
		F	6 10 ...	...	...	...	

N. B.—Unless otherwise stated " N " in the compt. column means Milne-Shaw " N-S " compt.

TABLE D_3—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Jan. 12	N	i	19 40 34	...	...	...	Tremor.
		F	46 ...	...	...	...	
„ 14	N	e	14 21 9	...	...	...	Tremor.
		F	32 ...	...	...	...	
„ 15	N	e	5 20 38	...	...	...	Slight; Distant.
		i	25 14	...	...	...	
		e	27 37	...	...	...	
		F	6 4 ...	...	...	...	
„ 16	N	e	13 17 38	...	...	...	Slight, very near. Felt at Shillong, Tezpur; Salona; Gauhati, Naya Dumka.
		i	18 20	...	...	...	
		F	—— Submerged in the following shock.				
„ 16	N	P*	13 19 22	...	...	890	Slight. Phases not definite due to microseisms.
		Pg	19 44	...	...	...	
		S	20 37	...	...	...	
		S*	21 7	...	...	...	
		L	21 9	...	...	...	
		F	49 ...	...	...	...	
„ 16	N	e(SR₁?)	19 24 8	...	...	...	Slight.
		i(L?)	24 56	...	...	...	
		F	49 ..	...	...	...	
„ 19	N	e	4 18 33	...	...	...	Feeble.
		e	20 34	...	...	...	
		F	38 ...	...	...	...	
„ 19	N	e	13 36 35	...	...	...	Feeble.
		e	41 56	...	...	...	
		e	43 21	...	...	...	
		F	58 ...	...	...	...	
„ 20	N	e	0 11 46	...	...	...	Feeble.
		i	19 14	...	...	...	
		F	... ...	...	...	...	Lost in microseisms.
„ 22	N	i	4 45 28	...	...	...	Slight. Distant.
„ 23	N	eP	11 7 15	...	...	7810	Moderate. Near Caroline Islands?
		PR₁	9 55	...	...	...	
		S	16 31	...	...	...	
		PS	17 4	...	...	...	
		L	29 52	...	...	...	
		F	... ...	...	...	...	Lost in Congestion of lines.
„ 24	N	e	16 40 56	...	...	...	Tremor.
		F	... ...	...	...	...	Lost in microseisms.
„ 25	N	P	6 46 19	...	...	8900	Moderate. △ from SR₁ — P.
		S	56 15	...	...	...	
		SR₁	7 1 24	...	...	...	Epc : 10°.6 S., 163°.3 E. (J. S. A.).
		L	11 20	...	...	...	12°S., 164°E. (U. S. C. G. S.)
Jan. 25		M	18 30	18	76	...	
		Mn	21 0	18	86	...	
		F	... ...	...	...	...	Lost in congestion of lines.
„ 27	N	e	0 44 35	...	...	...	Tremor.
		i	54 40	...	...	...	
		F	...	...	...	...	Lost in microseism
„ 28	N	e	15 10 18	...	...	...	Tremor.
		Mn	17 5	...	...	...	
		F	15 28 ...	...	...	...	
„ 29	N	e	14 18 27	...	...	...	Tremor.
		i	21 28	...	...	...	
		F	48 ...	...	...	...	
„ 29	N	e	17 31 48	...	...	...	Slight. In the region of Marianne Islands.
		i	42 8	...	...	...	
		i	44 33	...	...	...	
		F	18 40 ...	...	...	...	
„ 29	N	e	21 28 50	...	...	...	Tremor.
		F	52 ...	...	...	...	
„ 30	N	e	1 34 46	...	...	...	Tremor.
		Mn	41 10	...	...	...	
		F	... .	...	...	...	Lost in microseisms.
„ 30	N	e	5 44 13	...	.	...	Tremor.
		Mn	57 37	...	...	...	
		F	... ..	...	...	...	Lost in microseisms.
„ 30	N	e	6 43 40	...	...	...	Tremor.
		F	... ...	...	...	...	Lost in congestion of lines.
„ 31	N	e(S?)	23 57 33	...	...	...	Slight.
		i(L?)	59 9	...	...	...	
		F	... ...	...	...	...	Lost in microseisms.
Feb. 1	N	e(?)	20 48 38	...	...	...	Feeble. There was a shock between 7h. to 13h. on the 1st but phases and times are not readable due to congestion of lines.
		M	21 35 45	...	...	...	
		F	22 2 ...	...	...	...	
„ 2	N	i	16 21 18	...	...	...	Feeble.
		i	27 55	...	...	...	
		F	17 9 ...	...	...	...	
„ 5	N	eP(?)	11 50 11	...	...	870?	Slight.
		S	51 48	...	...	...	
		e	52 16	...	...	...	
		F	12 26 ...	...	...	...	
„ 6	N	e	20 6 25	...	...	...	Slight.
		i	7 38	...	...	...	
		F	25 ...	...	...	...	
„ 12	N	i	5 10 6	...	...	...	Slight.
		F	Mixed up with the next quake.				

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TABLE D_3—*contd*

Date	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Feb. 12	N	P	5 37 10	...	...	1850	Slight. Epc : Gobi desert.
		S	40 23	...	...	...	
		L	42 5	...	...	...	
		Mn	44 15	10	43	...	
		F	Lost in microseisms.			...	
,, 12	N	e	19 39 57	...	...	...	Tremor.
		F	Lost in microseisms.				
,, 13	N	iS(?)	11 7 47	...	...	...	
		L	8 38	...	...	...	
		M	9 30	...	...	...	
		F	Lost in microseisms.				
,, 14	N	e	20 1 59	...	...	...	Slight.
		i	5 56	...	...	...	
		F	19 ...	...	...	...	
,, 15	N	e	0 14 44	...	...	...	Tremor.
		F	23 ...	...	...	...	
,, 15	N	e(?)	1 32 17	...	...	...	Slight.
		iS(?)	34 52	...	...	...	
		e	35 15	...	...	...	
		e	35 39	...	...	...	
		Mn	37 29	10	20	...	
		F	Lost in microseisms.				
,, 17	N	iS	9 32 50	...	...	...	Slight. Epc :45°N., 151°E., (Chiufeng).
		Mn	54 52	...	...	...	
		F	10 49 ...	...	...	...	
,, 19	N	e	15 36 28	...	...	...	Slight: Near.
		i	37 6	...	...	...	
		F	15 44 ...	...	...	...	
,, 20	N	e	6 6 14	...	...	...	Tremor.
		i	10 43	...	...	...	
		F	43 ...	..	...	...	
,, 21	N	P	7 12 6	...	...	5,900	Great Epc : 45°·2N. 148°·6E. (J.S.A.)
		PR_1	15 1	...	...	...	
		S	19 41	...	...	...	
		PS	20 15	...	...	...	
		L	28 31	...	...	...	
		M_1	33 36	20	246	...	
		Mn	38 6	20	448	...	
		F	Lost in the following after shock.				
,, 21	N	e	22 38 25	...	...	...	Tremor.
		i	46 0	...	...	...	
		i	46 36	...	...	...	
		F	Lost (in changing the chart)				
,, 22	N	eP	3 3 26	...	...	5,900	Slight.
		S	11 1	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec	μ	Km.	
Feb. 22		PS	11 34	...	...	...	
		eL	19 52	...	...	...	
		F	Lost in the following tremor.				
,, 22	N	e	4 49 40	...	...	...	Slight.
		i	57 15	...	...	...	
		i	57 50	...	...	...	
		F	Lost in microseisms				
,, 22	N	eP	13 33 32	...	...	5,900	Slight.
		S	41 7	...	...	...	
		PS	41 40	...	...	...	
		eL	49 54	...	...	...	
		F	Lost in microseisms				
,, 23	N	S	0 13 38	Uncertain due to microseisms		1,020	Slight. Δ from Sg — S Epc : 26°·5 N, 98°·5 E. Northeast Frontier of Burma.
		S*	14 08	...	...	...	
		Sg	... 41	...	...	...	
		F	Lost in microseisms				
,, 23	N	i	0 57 45	...	...	6.490	Slight.
		i	59 59	...	...	...	
		M	22 53	...	...	...	
		Mn	28 39	16	32	...	
		F	Lost in microseisms				
,, 23	N	e	8 57 55	...	...	...	Slight.
		i	9 0 45	...	...	...	
		F	33 ...	...	...	...	
,, 23	N	e	14 0 47	...	...	...	Slight.
		i	8 22	...	...	...	
		i	8 55	...	...		
		F	15 35 ...	...	...	...	
,, 25	N	i	20 4 41	...	...	...	Slight.
		i	11 18	...	...	...	
		Mn	16 20	...	...	...	
		F	57 ...	...	...	...	
,, 26	N	e	4 30 53	...	...	...	Tremor.
		F	Lost in microseisms			...	
,, 26	N	e	20 14 48	...	...	...	Tremor.
		F	37 ...	...	...	...	
,, 26	N	e	23 34 32	...	...	...	Tremor.
		F	Lost in microseism			...	
,, 27	N	e	1 27 40	...	...	...	Slight.
		Mn	47 6	...	...	...	
		F	Lost in microseisms			...	
,, 27	N	e	14 49 51	...	...	4,470	Slight.
		i	56 7	...	...	...	
		i	58 39	...	...	...	
		L	15 1 23	...	...	...	
		F	39 ...	...	...	...	

TABLE D_3—*contd*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Feb. 28	N	i	7 23 46	...	...	...	Slight, near.
		i	23 59	...	...	...	
		F	Lost in microseisms.			...	
,, 28	N	e	15 7 16	...	...	...	Tremor.
		F	46 ...	...	...	...	
Mar. 2	N	e	20 34 29	...	...	...	Tremor.
		F	55 ...	...	...	...	
,, 5	N	Mn	11 39 37	...	...	...	Slight.
,, 5	N	i	13 32 36	...	...	...	Seismic ?
		F	14 11 ...	...	...	...	
,, 9	N	e(S*?)	8 16 27	...	..	...	Slight, Near. Phases uncertain due to microseisms.
		i(Sg?)	16 56	...	...	...	
		F	33 ...	...	...	...	
,, 9	N	i	16 0 12	...	...	...	Slight. Epc : 8°·9 N., 83°·8 W., O : 15h. 40m. 20s. (U.S.C.G.S.). 10°·6 N., 83°·4 W., (J.S.A.)
		i	0 35	...	...	...	
		i (PR_1?)	4 11	...	...	...	
		i	6 56	...	...	...	
		e (?)	15 48	...	...	...	
		i	24 20	...	...	...	
		F	18 35 ...	...	...	...	
,, 9	N	Pg	20 21 49	...	...	800	Slight. Initial phase obscured by microseisms. Epc : 29° N., 92°·5E.
		Sn	22 35	...	...	...	
		S*	23 04	...	...	...	
		Sg	23 07	...	...	...	
		F	59 ...	...	...	...	
,, 10	N	eP	21 25 59	...	...	440	Slight.
		S*	26 59	...	...	...	
		Sg	27 08	...	...	...	
		F	36 ...	...	...	...	
,, 11	N	e (?)	18 3 35	...	...	1,160	Slight. Initial confused by microseisms.
		S (?)	5 40	...	...	...	
		e	6 29	...	...	...	
		F	33 ...	...	...	...	
,, 12	N	Shock at about 9h. 28m. lost in congestion of lines.					—
,, 14	N	P'_1(?)	12 17 2	...	...	...	Slight. Epc: 23°·8S., 71°·0 W O : 11h. 56m. 01s. (J. S. A.) 25°·0 S., 70°·0 W. O : 11h. 55m. 48s. (U. S. C. G. S.). Minor damages reported Taltal, Chile
		i	26 17	...	...	...	
		e	32 16	...	...	...	
		e	38 15	...	...	...	
		eL	13 3 5	...	...	...	
		Mn	26 13	20	23	...	
		F	16 4 ...	...	...	...	
,, 16	N	eP ?	15 51 21	...	...	3.350	Slight. Epc : 18° N., 123° E. Felt in Northern Luzon and slightly in Manila.
		S	56 40	...	...	...	
		L	16 0 19	...	...	...	
		F	17 22 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ.	Km.	
Mar. 16	N	eP	22 40 11	...	...	3,550	Slight. After shock of previous one.
		S	45 30	...	...	...	
		F	23 29 ...	...	...	...	
,, 17	N	i	13 36 13	...	...	...	Slight.
		i	36 33	...	...	...	
		F	Lost in microseisms				
,, 17	N	e	14 19 6	...	...	...	Feeble.
		F	59 ...	...	...	...	
,, 17	N	e	15 10 47	...	...	...	Tremor.
		F	16 3 ...	...	...	...	
,, 19	N	e	18 32 11	...	...	...	Slight. Distant.
		F	20 12 ..	...	...	...	
,, 21	N	P	16 13 35	...	...	610	Moderate. Epc : 26°·6 N., 92°·7 E. Near Tezpur, Assam. O : 16h. 12m. 5s. Felt at Dhubri, Sylhet, Bogra, Jalpaiguri, Cherrapunji, Dibrugarh, Gauhati and Salona.
		S	14 41	...	...	...	
		L	15 10	...	...	...	
		F	17 13 ...	...	...	...	
,, 21	N	e	18 16 53	...	...	...	Slight.
		i	21 54	...	...	...	
		F	19 10 ...	...	...	...	
,, 21	N	e	19 38 11	...	...	...	Slight. Epc : 45°·5 N., 143° E. (Chiufeng).
		i	45 4	...	...	...	
		F	20 31 ...	...	...	...	
,, 23	N	e	1 11 20	...	...	...	Feeble.
		F	4 51 ...	...	...	...	
,, 26	N	eP	9 56 53	...	...	4,590	Slight. Epc : 11°·5 S., 64°E.
		S	10 3 15	...	...	...	
		SR_1	5 48	...	...	...	
		L	9 18	...	...	...	
		Mn	10 13 29	10	9	...	
		F	Lost in microseisms.				
,, 26	N	e	15 53 46	...	...	...	Feeble.
		F	16 40 ...	...	...	...	
,, 27	N	e (?)	22 42 10	...	...	1,445	Slight. Confused by microseisms.
		iS	44 49	...	...	...	
		iSR_1	45 12	...	...	...	
		iL	45 40	...	...	...	
		L	46 23	...	...	...	
		F	23 22 ...	...	...	...	
,, 28	N	e	4 45 34	...	...	...	Slight.
		i	48 40	...	...	...	
		i	49 49	..	...	...	

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TABLE D_3—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		Mn	51 19	...	...	...	
		F	5 18 ...	...	...	...	
Mar. 29	N	e	5 46 53	...	...	...	Tremor.
		F	6 40 ...	...	...	...	
" 29	N	e	7 37 6	...	...	...	Tremor.
		F	Lost in microseisms.				
" 31	N	P	10 37 35	...	...	730	Slight. Epc: 28°·5 N., 88°·5 E.
		S	38 50	...	...	...	
		Mn	40 52	6	41	...	
		F	11 4 ...	...	...	...	
Apr. 3	N	e	2 33 57	...	...	...	Tremors.
		Mn	38 16	8	3	...	
		F	Lost in microseisms.				
" 3	N	i	8 59 25	...	...	...	Slight, near.
		F	Lost in microseisms.				
" 3	N	e	11 32 2	...	...	...	Tremor.
		i	37 52	...	...	...	
		Mn	45 4	10	5	...	
		F	12 17 ...	...	...	...	
" 3	N	eP (?)	21 16 55	...	...	3,190	Slight.
		S	21 51	...	...	...	
		L	25 5	...	...	...	
		Mn	33 5	14	6	...	
		F	22 4 ...	...	...	..	
" 4	N	e	20 47 58	...	...	...	Slight, near.
		F	21 1 ...	...	...	...	
" 5	N	P	7 5 50	...	...	5,430	Moderate. Epc: 5° S., 130° E., near Banda Islands O=6h. 56m. 53s.
		PR_2	8 28	...	...	...	
		S	12 59	...	...	...	
		PS	13 34	...	...	...	
		L	21 19	...	...	...	
		Mn	25 24	15	93	...	
		F	12 17 ...	...	...	...	
" [illegible]	N	eP	21 55 20	...	...	610	Slight. Felt at Digboi in Assam.
		P*	55 39	...	...	...	
		S	56 25	...	...	...	
		S*	56 45	...	...	...	
		$\overline{S}$	57 6	...	...	...	
		Mn	58 36	10	12	...	
		F	22 15 ...	...	...	...	
" 5	N	e	23 49 0	...	...	...	Tremor.
		i	56 16	...	...	...	
		F	Lost in microseisms.				
" 7	N	i	14 10 6	...	...	...	Tremor.
		F	31 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Ramarks.
1937.			H. M. S.	Sec.	μ	Km.	
Apr. 7	N	eP?	18 37 37	...	...	3,750	Slight.
		eS	43 9	...	...	...	
		SR_1	45 46	...	...	...	
		eL	48 5	...	...	...	
		Mn	51 21	8	10	...	
		F	19 21 ...	...	..	..	
" 8	N	i	15 23 20	...	...	...	Tremor.
		F	16 11 ...	...	...	...	
" 9	N	e	11 19 22	...	...	...	Tremor.
		Mn	21 31	7	3	..	
		F	Lost in microseisms.				
" 9	N	e	14 16 58	...	...		Tremor.
		Mn	27 24	9	3		
		F	14 52 ...	...	...	...	
" 14	N	e	21 20 30	...	...	...	Slight.
		i	23 26	..	..	..	
		i	24 27	...	...	...	
		i	25 15	...	...	...	
		i	26 17	...	...	...	
		M	28 27	8	13	...	
		F	21 59 ...	...	...	...	
" 15	N	i	19 29 9	...	...	...	Tremor.
		F	41 ...	...	...	...	
" 15	N	e	20 17 30	...	...	...	Tremor.
		i	21 58	...	...	...	
		Mn	35 24	15	4	...	
		F	57 ...	...	...	...	
" 15	N	e	21 22 0	...	...	...	Tremor.
		F	47 ...		...	...	
" 16	N	P	3 15 7	...	...	10,900	Moderate. △ from ScPcS—P Epc: 22 2S., 179.0E. H=3h. 01m. 34s. Depth=390+ km. (J. S. A.).
		e (pP?)	16 37	...	...	...	
		sP	17 22	...	...	...	
		PR_1	19 22	...	...	...	
		e	20 23	...	...	...	
		e	21 25	...	...	...	
		ScPcS	25 4	...	...	...	
		i	26 19	...	...	...	
		i	28 32	...	...	...	
		i	38 7	...	...	...	
		G ?	43 4	...	...	...	
		M	4 11 46	20	46	--	
		F	Lost in microseisms.				
" 16	N	e	21 38 39	...	..	...	Tremor.
		F	22 13 ...	...	...	...	
" 27	N	e	7 20 22	...	...	...	Tremor.
		i	23 22	...	...	...	

TABLE D_3—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Apr. 27		Mn	26 48	10	5	...	
		F	44 ...	...	...	...	
" 29	N	e	18 5 18	...	...	...	Tremor.
		i	35 18	...	...	...	
		F	Masked by the following shock.				
" 29	N	P	19 4 58	...	...	9,150	Slight. Epc: 53. 8 N., 160°.5 W. Depth=40+km. (J. S. A.) 53.°0 N.; 161° W. (U. S. C. G. S.) H=18th. 52m. 40s.
		S	15 16	...	...	...	
		PS	16 2	...	...	...	
		SR_1	20 49	...	...	...	
		SR_2	24 13	...	...	...	
		Mn	51 10	16	22	...	
		F	Masked by the following shock.				
" 29	N	P	20 26 41	...	...	(4,450)	Slight. Deep ?
		iPR_1?	28 4	...	...	...	
		S	32 56	...	...	...	
		iSR_1?	35 18	...	...	...	
		i	38 26	...	...	...	
		F	22 27 ...	...	...	...	
" 30	N	P	19 35 18	...	...	1,023	Slight Epc: 29° N.; 81°E. in Nepal H=19h. 33m. 05s.
		P*	35 38	...	...	...	
		$\overline{P}$?	36 11	..	...	...	
		S	37 4	...	...	...	
		S*	37 41	...	...	...	
		$\overline{S}$	38 13	...	...	...	
		Mn	40 37	6	53	...	
		F	Masked by the following shock.				
" 30	N	eP	20 5 51	...	...	950	Slight. Epc: Possibly in the neighbourhood of the preceding shock.
		$\overline{P}$	6 41	...	...	...	
		S	7 29	...	...	...	
		S*	8 2	...	...	...	
		$\overline{S}$	8 32	...	...	...	
		Mn	11 9	8	21	...	
		F	20 36 ...	...	...	...	
May 1	N	e (?)	23 58 11	...	...	...	Tremor.
		F	Lost in microseisms,			...	
" 4	N	e	5 45 39	...	8	...	Slight. Epc: 59°·4N., 152°·9 W. (J. S. A.)
		e	54 37	...	...	...	
		e	57 51	...	...	...	
		Mn	6 1 23	12	...	...	
		F	35 ...	...	...	...	
" 4	N	e	15 40 36	...	...	2,220	Slight.
		S	43 51	...	16	...	
		e	44 42	...	...	...	
		L	45 31	...	...	...	
		i	46 5	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
May. 4		Mn	49 19	9	...	...	
		F	16 16 ...	...	...	...	
" 5	N	e	21 22 57	...	...	...	Termor.
		F	22 6 ...	...	...	...	
" 6	N	e	10 34 47	...	10	...	Slight
		e	35 8	...	...	...	
		e	35 31	...	...	...	
		e	36 14	...	...	...	
		i	37 7	...	...	...	
		Mn	40 35	8	...	...	
		F	Lost in microseisms.				
" 9	N	P	14 56 11	...	18	6,090	Slight. Epc: 48°·0 N., 150°·5 E., near Kurile Islands H=14h. 46m. 46s.
		PR_1	58 16	...	...	...	
		S	15 3 57	...	...	...	
		SR_1	7 43	...	...	...	
		L	13 18	...	...	...	
		Mn	24 58	16	...	...	
		F	Lost in microseisms.				
" 10	N	e	15 36 58	...	...	...	Tremor.
		i	48 3	...	...	...	
		Mn	53 16	...	...	...	
		F	Lost in microseisms.				
" 11	N	e	16 16 28	...	...	...	Tremor.
		i	18 7	...	...	...	
		Mn	19 35	...	...	...	
		F	16 34 ...	...	...	...	
" 12	N	e(P?)	2 55 18	...	...	6.050	Maximum movement in secondary. Slight, deep focus. P time is uncertain due to microseisms. Epc: 3°S,. 142°·5 E Depth = 150 km (Chiufeng).
		epP (?)	56 2	...	...	...	
		ePR_1	57 50	...	...	...	
		iS	3 2 53	...	...	...	
		iSS	4 16	...	...	...	
		SR_1	7 29	...	...	...	
		?	39 ...	...	...	...	
" 12	N	e	9 26 5	...	...	...	Tremor.
		F	40 ...	...	...	...	
" 12	N	P	13 13 37	...	14	2,900	Slight Epc: 0°, 96° E., West of Sumatra.
		PR_1	14 14	...	...	...	
		iS	18 13	...	...	...	
		SR_1	19 20	...	...	...	
		L	21 00	...	...	...	
		Mn	28 50	15	...	...	
		F	15 3 ...	...	...	...	
" 13	N	e	18 56 23	...	...	...	Tremor.
		i	59 21	...	...	...	
		Mn	19 5 1	...	...	...	
		F	27 ..	...	...	...	
" 28	N	iP	20 4 5	...	...	(4,720)	Slight. Surface waves very poor.
		e	6 20	...	...		

International Seismological Centre From the ISC collection scanned by SISMOS

TABLE D$_3$—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
May 28		iS	10 34	...	...	...	
		i	12 42	...	...	...	
		i	14 22	...	...	...	
		i	16 57	...	...	...	
		M	20 36	...	...	...	
		F	Lost in microseisms.				
„ 31	N	e	5 37 10	...	13	1,100	Slight. Epc: 29°·3 N., 81°·0E. Western border of Nepal. O = 5h. 34m. 30s. △ from mean of S*-S and $\bar{S}$-S.
		e	37 38	...	...	...	
		e	38 3	...	...	...	
		iS	38 43	...	...	...	
	N	iS*	39 23	...	...	...	
		$\bar{S}$	39 53	...	...	...	
		Mn	42 8	5	...	...	
		F	Lost in microseisms.				
„ 31	N	i (?)	15 44 16	...	...	6,550	Slight, M waves feeble. Deep focus. Epc: 2°·5 S., 159°·5 E. (Chiufeng).
		i (S?)	52 26	...	...	...	
		i	52 58	...	...	...	
		e	56 33	...	...	...	
		L	16 2 44	...	...	...	
		F	Lost in microseisms.				
June 1	N	e	14 52 18	...	...	...	Tremor.
		e	59 4	...	...	...	
		Mn	15 9 50	...	...	...	
		F	Lost in microseisms.				
„ 1	N	eP	21 36 20	...	...	1,250	Slight.
		i	36 57	...	...	...	
		S	38 37	...	...	...	
		L	39 12	...	...	...	
		Mn	40 5	...	...	...	
		F	Lost in microseisms.				
„ 7	N	e	11 54 20	...	...	...	Tremor.
		Mn	12 5 42	...	...	...	
		F	Lost in microseisms.				
„ 8	N	i	3 58 11	...	...	...	Tremor.
		i	59 36	...	...	...	
		Mn	?	..	...	...	
		F	Lost in microseisms.				
„ 8	N	e	18 17 18	...	...	...	Tremor (near).
		i	18 16	...	...	...	
		Mn	19 43	...	...	...	
		F	Lost in microseisms.				
„ 8	N	e	22 51 57	...	...	...	Tremor.
		Mn	?	...	...	...	
		F	Lost in microseisms.				
„ 9	N	e	21 14 21	...	...	...	Tremor (very near).
		F	Lost in microseisms.				

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
June 14	N	e	13 30 4	...	...	...	Tremor.
		e	34 43	...	...	...	
		i	35 17	...	...	...	
		F	Lost in microseisms.				
„ 21	N	e	15 33 27	...	...	18,330	Great. Epc: 8°S., 80°W. (U. S. C. G. S.) 6°·8 S., 79°·9 W. H=15h. 13m. 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.
		P_2^1	34 22	...	...	...	
		ScPcP	37 00	...	...	...	
		PR_2	41 56	...	...	...	
		ScPcS	40 19	...	...	...	
		$\overline{ScPc}\overline{PcS}$	44 40	...	...	...	
		SR_1	58 42	...	...	...	
		SR_2	16 5 32	...	...	...	
		eL	32 6	...	...	...	
		Mn	53 50	20	103	...	
		F	Lost in microseisms.				
„ 30	N	e	19 7 40	...	...	...	Tremor.
		F	Lost in microseisms.				
July 1	N	P	11 54 5	...	...	2,350	Moderate. Epc: 7°5 N., 98°E. North of Sumatra. H = 11h. 49m. 55s.
		PR_1	54 27	...	...	...	
		S	57 39	...	...	...	
		SR_1	57 59	...	...	...	
		eL	59 48	...	...	...	
		M	12 1 41	...	...	...	
		Mn	7 48	17	139	...	
		F	Lost in microseisms.				
„ 2	N	P	2 50 5	...	...	10,220	Slight.
		ScPcS	3 0 27	...	...	...	
		S	1 13	...	...	...	
		SR_1	6 3	...	...	...	
		SR_2	9 30	...	...	...	
		eL	17 41	...	...	...	
		Mn	34 23	20	20	...	
		F	Lost in microseisms.				
„ 4	N	eP (?)	6 7 58	...	...	9,080	Slight. P uncertain due to microseisms. △ from PS—P.
		e	16 38	...	...	...	
		i	17 8	...	...	...	
		i	17 45	...	—	...	
		iPS (?)	18 58	...	...	...	
		i	21 50	...	...	...	
		e	23 14	...	...	...	
		e	28 4	...	...	...	
		Mn	39 25(?)	...	...	...	
		F	Masked by next shock.				
„ 4	N	e	6 53 22	...	...	7,050	Slight.
		i	58 22	...	...		
		i	7 4 58	...	...	...	
		e	9 48	...	...	...	
		Mn	19 27	...	...	...	
		F	Masked by next shock.				

TABLE D$_3$—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
July 4	N	i	7 42 30	...	...	6,970	Slight.
		i	48 42	...	...	...	
		i	55 11	...	...	...	
		i	8 0 0	...	...	...	
		Mn	10 22	...	...	...	
		F	Lost in microseisms.				
„ 5	N	i	17 13 6	...	...	...	Tremor.
		Mn	33 57	...	..	...	
		F	Lost in microseisms.				
„ 5	N	i	19 3 20	...	...	...	Tremor.
		F	Lost in microseisms.				
„ 8	N	i	14 4 39	...	...	...	Tremor.
		i	6 1	...	...	...	
		Mn	7 30	...	...	...	
		F	Lost in microseisms.				
„ 10	N	ePP	20 52 11	...	...	5,000	Slight. Epc: 15° N., 137° E.
		S	57 18	...	...	...	
		SR_1	59 56	...	...	...	
		SR_2	21 01 21	...	...	...	
		M	07 52	...	...	...	
		Mn	9 9	17	13	...	
		F	Lost in microseisms.				
„ 14	N	i	8 21 17	...	...	...	Slight,
		i	21 47	...	...	...	
		e	22 26	...	...	...	
		Mn	24 39	8	10	...	
		F	Lost in microseisms.				
„ 14	N	e	22 37 55	...	...	...	Tremor.
		Mn	49 26	...	...	...	
		F	Not recorded as the light was off.				
„ 16	N	i	10 39 17	...	...	...	Tremor.
		Mn	55 5	...	...	...	
		F	Lost in microseisms.				
„ 18	N	i	1 58 57	...	...	...	Slight, near.
		i	2 1 13	...	...	...	
		i	1 33	...	...	...	
		i	1 49	...	...	...	
		F	Lost in microseisms.				
July 19	N	i	19 56 42	...	...	...	Slight. Epc: 1°·5 N., 77°·5 W. H=19h. 35m. 50s. h=175 km. (J. S. A.)
			58 54	...	...	...	
		i	20 2 35	...	...	...	
		i	3 58	...	...	...	
		i	5 26	Maximum movement.			
		i	10 23	...	...	...	
		i	10 46	...	...	...	
		e	24 28	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
July 19		e	25 28	...	...	...	
		F	Lost in microseisms.				
„ 22	N	i (S?)	17 22 34	...	...	...	Great. Epc: 64°·5 N., 14°·1 W., H=1 h. 09m. 36s. G. M. T. Felt all over Central Alaska. (J. S. A.)
		(G)	42 50	...	...	...	
		i	43 21	...	...	...	
		i	44 17	...	...	...	
		L	49 ...	...	...	...	
		M	52 14	...	...	...	
		Mn	18 2 20	15	171	...	
		F	Lost in microseisms.				
„ 26	N	e	4 4 55	...	...	...	Slight, deep focus Epc: 18°·6 N., 95°·8. W., H=3h. 47m 11s. h=75 km. Damage reported from cities along the Gulf coast of Mexico (J. S. A) h=100 km. (Kew).
		i	5 59	...	...	...	
		e	8 33	...	...	...	
		(sPP ?)	9 34	Maximum movement.			
		i	10 4	...	...	...	
		i	10 45	...	...	...	
		i	11 35	...	...	...	
		F	Lost in microseisms.				
„ 26	N†	eP	20 5 24	...	...	5,050	Slihgt. Epc: 37° N. 140° E. 40° N. 142° E (U.S.C.G.S.)
		S	12 11	...	...	...	
		SR_1	15 12	...	...	...	
		F	Lost in microseisms.				
„ 31	N	i	6 14 38	...	...	...	Tremor.
		F	Lost in microseisms.				
„ 31	N	eP	20 41 22	...	...	3,020	Moderate. Epc: In the region of 38° N., 114° E., in China
		PR_1	42 16	...	...	...	
		S	46 7	...	...	...	
		SR_1	47 22	...	...	...	
		L	48 56	...	...	...	
		M	51 10	...	..	...	
		Mn	53 32	16	349	...	
		F	Lost in microseisms.				
Aug. 1	N	eP	10 46 32	...	...	3,050	Moderate Epc: Near that of July 31.
		PR_2	47 27	...	...	...	
		S	51 19	...	...	...	
		SR_1	52 34	...	...	...	
		L	54 7	...	...	...	
		Mn	58 45	12	104	...	
		F	Lost in microseisms.				
„ 4	N	P	23 39 30	...	...	1,970	Moderate. Epc: 6° N., 94°·5 E. off N. Sumatra.
		PR_2	39 50	...	...	...	
		S	42 53	...	...	...	
		SR_1	43 28	...	...	...	
		L	44 6	...	...	...	
		Mn	50 20	8	37	...	
		F	Lost in microseisms.				

† For Omori-Ewing instrument.

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TABLE D_3—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Aug. 5	N	eP(?)	14 54 20	...	...	(7,040)	Slight. Phases confused by microseisms. Epc : 7°S., 149°E. (Strasbourg)
		S(?)	15 02 59	...	...	...	
		i	03 22	...	...	...	
		i	03 52	...	...	...	
		F	Lost in microseisms.				
,, 8	N	P (?)	3 35 19	...	...	550	Slight.
		P*	35 30	...	...	...	
		?	36 18	...	...	...	
		S	36 47	...	...	...	
		Mn	37 6	...	...	...	
		F	Lost in microseisms				
,, 8	N	e	5 7 37	...	...	...	Tremor.
		F	Lost in microseisms				
,, 9	N	i	12 52 6	...	...	...	Tremor
		F	Lost in microseisms				
,, 9	N	eP	14 48 20	...	...	5,050	Slight. Epc : 26°N.; 140°E. Near Bonin Islands.
		PR_2	50 40	...	...	...	
		S	55 8	...	...	...	
		PS(?)	55 43	...	...	...	
		SR_1	58 11	...	...	...	
		eL	15 2 8	...	...	...	
		Mn	9 45	...	...	...	
		F	Lost in microseisms.				
11	N	P	1 2 43	...	...	4,450	Moderate. Focal depth 620 km. (appr.)
		i	3 13	...	...	...	
		i	3 55	...	...	...	
		i	4 25	...	...	...	
		i	5 35	...	...	...	
		i	7 4	...	...	...	
		S	8 5	35mm	...	...	
		i	9 20	...	...	...	
		i	12 50	...	...	...	
		F	Lost in microseisms.				
,, 15	N	e(P)	4 33 15	...	...	(3,020)	Slight. Preliminary confused by microseisms. Epc : In North China Sea.
		S	38 0	...	...	...	
		SR_1	39 0	...	...	...	
		i	40 13	...	...	...	
		L	41 ...	...	...	...	
		Mn	48 3	...	...	...	
		F	5 15 ...	...	...	...	
,, 15	N	eP(?)	11 38 35	...	...	890	Slight. Epc : 30°N.; 89°E.; Tibet.
		P*	38 55	...	...	...	
		$\overline{P}$	39 9	...	...	...	
		S	40 6	...	...	...	
		S*	40 37	...	...	...	
		$\overline{S}$	40 55	...	...	...	
		Mn	44 2	7	44	...	
		F	12 26 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Aug. 15	N	eP	12 47 23	...	...	890	Slight Aftershock of the preceding one.
		eS	48 54	...	...	...	
		S*	49 25	...	...	...	
		$\overline{S}$	49 47	...	...	...	
		Mn	52 29	...	...	...	
		F	Lost in microseisms				
,, 17	N	e	13 19 24	...	...	...	Slight.
		e	26 0	...	...	...	
		eL	32 32	...	...	...	
		M	36 10	...	...	...	
		Mn	41 20	...	...	...	
		F	14 13 ...	...	...	...	
,, 20	N	P	6 47 21	...	...	5,570	Slight. Epc : 24° S. 71°E. Indian Ocean. H=6h. 3m. 21s.
		PR_1	49 13	...	...	...	
		S	54 38	...	...	...	
		SR_1	58 3	...	...	...	
		SR_2	59 26	...	...	...	
		L	7 2 41	...	...	...	
		Mn	10 51	14	19	...	
		F	Lost in microseisms.				
,, 20	N	P	12 6 12	...	...	3,420	Great. Epc : 17°N., 122°E (U. S. C. G. S.) 14°10'N., 122°05'E. H=11h. 59m. 13s. (Manila) Destructive in manila.
		PR_1	7 3	...	...	...	
		PR_2	7 22	...	...	...	
		S	11 23	...	...	...	
		SR_1	12 58	...	...	...	
		L	15 5	...	...	...	
		Mn	22 47	21	669	...	
			Lost in microseisms.				
,, 21	N	e	23 21 7	...	...	...	Tremor.
		Mn	36 13	...	...	...	
		F	55 ...	...	...	...	
			18 45 47	...	...	...	Tremor
,, 24	N	e	52 37	...	...	...	
		i	19 56 ...	...	...	...	
		F					
,, 25	N	e	22 6 26	...	...	...	Tremor.
		i	15 28	...	...	...	
		Mn	20 58	...	...	...	
		F	42 ...	...	...	...	
,, 26	N	e	19 2 55	...	...	...	Tremor.
		i	10 32	...	...	...	
		Mn	18 15	20	23	...	
		F	Lost in microseisms.				
,, 31		P	14 17 14	...	...	890	Moderate: Epc: 25° N. 96° E. Upper Burma. H=14h. 15m. 15s.
		P*	17 34	...	...	...	
		$\overline{P}$	17 54	...	...	...	
		S	18 45	...	..	..	
		S*	19 16	...	...	...	
		$\overline{S}$	19 38	...	...	...	

TABLE D_3—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Aug. 31		Mn	25 20	9	333	...	
		F	16 12 ...	...	...	...	
Sept. 1	N	e	5 44 26	...	...	...	Slight.
		e	44 56	...	...	...	
		i	45 27	...	...	...	
		e	46 20	...	...	...	
		i	46 59	...	...	...	
		i	47 32	...	...	...	
		F	6 3 ...	...	...	...	
,, 1	N	e	8 56 19	...	...	...	Slight. Epc : 31°S., 179°W Kermadek Islands (U. S. C. G. S.) 37°S., 179°W. H=8h. 39 ·1m. (Strasbourgh).
		e	9 1 11	...	...	...	
		PS	6 27	...	...	...	
		eSR_1	11 52	...	...	...	
		e	15 8	...	...	...	
		Mn	44 47	20	11	...	
		F	Lost in microseisms.				
,, 3	N	eP	18 59 40	...	...	(8,450)	Moderate; Focal depth about 250 km. Epc : 52°·5N., 177°·5 W. (Aleutian Islands H=18h. 48 m. 29s. h=160-180 km. (J. S. A.)
		i	59 55	...	...	...	
		pP	19 0 36	...	...	...	
		i	01 10	...	...	...	
		iS	9 3	...	...	...	
		i	9 26	...	...	...	
		i	10 18	...	...	...	
		sS(?)	10 48	...	...	...	
		SR_1 (?)	15 35	...	...	...	
		F	Lost in microseisms				
,, 4	N	i	6 39 47	...	...	...	Tremor.
		F	Lost in microseisms				
,, 8	N	i	1 0 58	...	...		Slight. Epc : South Atlantic in the neighbourhood of Cape Horn. H=Oh. 40. 1m (U. S. C. G. S.).
		i	14 22	...	...	...	
		i	16 51	..	...	...	
		i	22 0	..	...	...	
		Mn	38 55 10	9	...	...	
		F	Lost in microseisms				
,, 9	N	e	17 40 50	...	...	2,200	Slight. Epc : Probably in the neighbourhood of Kabul. Felt very strongly at Drosh and Gulmarg.
		S	43 26	...	...	...	
		SR_1	44 8	...	...	...	
		L	45 1	...	...	...	
		M	45 9	...	...	...	
		F	Lost in microseisms.				
,, 9	N	P	23 39 7	...	...	670	Slight Epc : 27°N., 94°E. Felt strongly at Dibrugarh and moderately at Gauhati, Tezpur, Salona and Shillong.
		P*	39 20	...	...	...	
		$\overline{P}$	39 35	...	...	...	
		S	40 16	...	...	...	
		S*	40 38	...	...	...	
		$\overline{S}$	40 53	...	...	...	
		F	Lost in microseisms.				

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks
			H. M. S.	Sec.	μ	Km.	
1937.							
Sept. 15	N	P	12 39 22	...	...	8,730	Slight. Epc : 9°S., 161°E. Solomon Islands, (U. S. C. G. S.) H=12h. 27m. 37s.
		iS	49 22	...	...	...	
		L	13 3 4	...	...	...	
		F	Lost in microseisms.				
,, 16	N	P'	0 8 22	...	...	15,700	Slight Epc : 14°N. 92°W. H=23h. 48m. 52s. (U. S. C. G. S.) 14°N. 91°W. (Strasbourg.)
		PR_1	11 18	...	...	...	
		e ScPcPcS	13 14	...	...	...	
		$\overline{ScPcPcS}$	18 31	...	...	...	
		PPS	23 57	...	...	...	
		L	33 39	...	...	...	
		F	Lost while changing chart.				
,, 17	N	e	9 51 4	...	...	...	Slight.
		i	10 0 56	...	...	...	
		e	16 11	...	...	...	
		Mn	35 41	...	...	...	
		F	12 9 ...	...	...	...	
,, 21	N	eP	7 52 4(?)	...	...	(1,930)	Slight. Epc : 21°N., 104°E. Deep ?
	N†	eP	52 7	...	...	...	
	N	i	52 19	...	...	...	
	N†	i	52 20	...	...	...	
	N	e	54 24	...	...	...	
	N	S(?)	55 24	..	...	...	
	N†	S(?)	55 27	...	...	...	
	N†	L	56 31	...	...	...	
	N	F	8 55 ...	...	...	...	
,, 21	N	eP	9 47 55?	...	...	4 330	Slight. Epc : In the region of 4°N., 125°E., Celebes Sea.. H=9h. 40. 0m.
		ePR_2	49 35	...	...	...	
		eS	54 03	...	...	...	
		eSR_1	55 51	...	...	...	
		eL	58 27	...	...	...	
		M	10 1 33	...	...	...	
		Mn	7 58	...	...	...	
		F	11 9 ...	...	...	...	
,, 21	N	e	21 36 21	...	...	...	Tremor.
		F	Lost in microseisms.				
,, 22	N	eP?	3 18 28	...	...	3,900	Slight. Epc : 12°3'N.. 124°3' E., Felt in Eastern Visayas (Manila).
		e	19 29	...	...	...	
		i	23 24	...	...	...	
		eSR_1	26 09	...	...	...	
		e	26 34	...	...	...	
		Mn	39 8	...	...	...	
		F	Lost in microseisms.				
,, 23	N,E†	iP	13 17 15	...	...	7,670	Moderate. Epc : 6°S., 154°E. H=13h. 06m. 01s. (U. S. C. G. S.)
	N	iPR_1	19 53	...	...	...	
	N	iPR_2	21 19	...	..	...	
	N,E†	S	26 24	...	...	...	
	N,E†	PS	26 56	...	...	...	
	N	SR_1	31 2	...	...	...	

†From Omori—Ewing components.

International Seismological Centre From the ISC collection scanned by SISMOS

TABLE D_3—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Sept. 23	N	SR_2	33 39	...	...	...	
	N	L	39 52	...	...	...	
	N	Mn	47 17	11	33	...	
	N	F	Lost in microseisms.				
25	N	e	5 14 49	...	...	...	Tremor.
		Mn	25 39	...	...	...	
		F	Lost in microseisms.				
,, 25	N	e	17 54 57	...	...	...	Tremor.
		i	57 57	...	...	...	
		Mn	18 9 24	...	...	...	
		F	34	...	...	...	
,, 27	N	iP	9 2 36	...	...	3,980	Moderate. Epc: 7°S., 110°E. (Strasbourgh) Central and eastern Java.
		PR_1	3 45	...	...	...	
		PR_2	4 9	...	...	...	
		iS	8 22	...	...	...	
		SR_1	10 27	...	...	...	
		L	13 4	...	...	...	
		Mn	24 44 15	268	...	...	
		F	Lost in microseisms.				
,, 29	N,N†	eP	18 52 37	...	...	410	Slight; felt at Srimangal and feebly at Shillong.
	N,N†	$\overline{P}$	52 52	...	...	...	
	N,N†	i	53 18	...	...	...	
	N†	eS(?)	53 22	...	...	...	
	N†	S*	53 32	...	...	...	
	N†	$\overline{S}$	53 43	...	...	...	
	N	i	53 51	...	...	...	
	N	F	19 11 ...	...	...	...	
Oct. 1	N	e	19 41 29	...	...	...	Slight, distant.
		Mn	20 35 58	...	...	...	
		F	21 45 ...	...	...	...	
,, 4	N	e	4 11 33	...	...	...	Tremor.
		F	Lost in microseisms.				
,, 5	N	eP	10 5 25	...	...	3,170	Slight. Focal depth=220 km.
		e	6 35	...	...	...	
		iS	10 8	...	...	...	
		e	10 53	...	...	...	
		F	11 27 ...	...	...	...	
,, 6	N	P	17 16 0	...	...	(8,170)	Slight. Focal depth=200 km. ? Epc. 10°S., 150°E. New Guinea (Strasbourg).
		e(pP)	16 49	...	...	...	
		i	18 35	...	...	...	
		iS	25 04	...	...	...	
		i	26 43	...	...	...	
		i	27 20	...	...	...	
		F	19 40 ...	...	...	...	
,, 8	N	eP	21 45 8	...	...	(570)	Slight.
		e	45 41	...	...	...	
		S?	46 8	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937			H. M. S.	Sec.	μ	Km.	
Oct. 8		e	46 37	...	...	...	
		F	Lost in microseisms.				
,, 11	N	e	22 40 30	...	...	...	Tremor.
		Mn	52 22	...	...	...	
		F	Lost in miscroseims.				
,, 11	N	i	23 10 4	...	...	...	Slight, near.
		Mn	11 9	...	...	...	
		F	30 ...	...	...	...	
,, 12	N	e	21 12 17	...	...	...	Slight, distant.
		Mn	22 22 30	...	...	...	
		F	Lost in microseisms.				
,, 17	N	P	4 55 36	...	...	5,080	Slight. Epc: 35°7 N., 141°0 E. Inubosaki. (Strasbourg).
		S	5 2 25	...	...	...	
		i	2 40	...	...	...	
		SR_2	5 55	...	...	...	
		L	10 13	...	...	...	
		Mn	15 47	20	52	...	
		F	6 29 ...	...	...	...	
,, 20	N	P	1 26 46	...	...	1,250	Moderate. +According to Jeffreys' table for the near earthquake Pulses. Felt in the Punjab, the West U. P. and some damages done at Simla. Epc: 30° 0 N., 78° 2 E. near Dehra Dun. O: 1h. 24m. 00s.
		iS	28 52	...	...	...	
		SR_1(?)	29 12	...	...	...	
		S*	29 40	...	...	...	
		S	30 13	...	...	...	
		Mn	30 44	7	137	...	
		F	Lost in Microseisms.				
,, 22	N	P	16 19 26	...	...	2,690	Slight. Epc: 0°·5 N. 96°·0E. West off Sumatra. H=16h. 14·5m.
		ePR_1	19 56	...	...	...	
		S	23 47	...	...	...	
		SR_1	24 46	...	...	...	
		M	27 43	...	...	...	
		F	17 9 ...	...	...	...	
,, 23	N	e	14 52 22	...	...	...	Slight, distant.
		Mn	15 9 10	...	...	...	
		F	35 ...	...	...	...	
,, 23	N	e	17 11 15	...	...	...	Slight, distant.
		Mn	18 10 23	...	...	...	
		F	53 ...	...	...	...	
,, 24	N	eP(?)	11 48 44	...	...	8,930	Slight.
		ePR_1	51 50	...	...	...	
		iS	58 52	...	...	...	
		eSR_1	12 4 16	...	...	...	
		Mn	29 24	18	14	...	
		F	13 11 ...	...	...	...	
,, 29	N†E†	eP	7 31 5	...	...	2,300	†Omori-Ewing seismographs. Slight. Epc: 37°·0 N. 70°·5 E.—h=250—300 km. O=7h. 26m. 30s. Epc: 39 N., 69°E. Turkestan. (Strasbourg).
	N†	eS	34 40	...	...	...	
	E†	iS	34 40	...	...	...	
	N†	SR_1	35 20	...	...	...	
	N†	eL	36 4	...	...	...	

†From Omori—Ewing components.

TABLE D_3—*contd.*

Date.	Compt.	Phase	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Oct. 30	N	e	8 54 57	...	...	...	Tremor.
		F	9 14 ...	...	...	...	
,, 30	N	eP	20 30 40	...	...	1,210	Slight.
		S	32 53	...	...	...	
		eL	33 30	...	...	...	
		M	34 23	...	...	...	
		F	50 ...	...	...	...	
,, 31	N	e	22 35 9	...	...	...	Tremor.
		F	53 ...	...	...	...	
Nov. 2	N	e	11 15 15	...	...	...	Slight, distant.
		Mn	36 59	...	...	...	
		F	Lost in microseisms.				
,, 7	N	eP	19 11 56	...	...	2,070	Slight; felt at Peshawar. Epc: 36°·8 N., 73°·5 E. Hindu Kush.
		eS (?)	15 26	...	...	...	
		SR_1	16 06	...	...	...	
		F	Lost in microseisms.				
,, 9	N	e	6 33 59	...	...	...	Slight, distant.
		Mn	46 28	...	...	...	
		F	Lost in microseisms.				
,, 10	N	i	21 59 8	...	...	...	Slight, distant.
		Mn	22 1 53	...	...	...	
		F	14 ...	...	...	...	
,, 11	N	eP	0 6 33	...	...	2,910	Slight. Epc: 22°·5 N., 62°·0 E. North Arabian Sea. H=0h. 01m. 30s.
		ePR_2	7 23	...	...	...	
		iS	11 10	...	...	...	
		iSR_1	12 18	...	...	...	
		iL	13 50	...	...	...	
		M	16 14	...	...	...	
		Mn	18 52	9	64	...	
		F	Lost while changing chart.				
,, 11	N	iP	15 5 21	...	...	5:0	Slight, felt at Silchar (Assam).
		iP*	5 31	...	...		
		$\overline{P}$(?)	5 43	...	...	...	
		iS	6 17	...	...	...	
		$\overline{iS}$	6 48	...	...	...	
		F	25 ...	...	...	...	
,, 12	N	e	14 42 45	...	...	1,590	Epc: 33° N., 77°·5 E. H=14h. 39m. 50s.
		eS	46 2	...	...	...	
		L	47 40	...	...	...	
		F	15 9 ...	...	...	...	
,, 12	N	e	17 32 55	...	...	...	Slight, near (?)
		i	33 58	...	...	...	
		F	54 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	Δ	Remarks.
1937.			H M. S.	Sec.	μ	Km.	
Nov. 13	N	e	10 8 49	...	...	...	Slight, very distant.
		i	14 37	...	...	...	
		Mn	11 4 8	...	...	...	
		F	Masked by next shock.				
,, 13	N	eP	11 55 31	...	..	2,450	Slight. Epc. 38° N., 70°·5E.
		PR_2	56 5	...	...	...	
		iS	59 33	...	...	...	
		eSR_1	12 0 26	...	...	...	
		eL	1 36	...	...	...	
		M	3 33	...	...	...	
		Mn	5 46	7	17	...	
		F	51 ...	...	...	...	
,, 13	N	e	18 14 20	...	...	...	Slight, very distant.
		Mn	19 0 19	...	...	...	
		F	50 ...	...	...	...	
,, 14 [Omori]	E	iP	11 2 42	...	...	2,330	Great; Focal depth-240 km. (according to Brunner's chart). Extensive damages in the Chitral State and felt over Kashmir N. W. F. Provinces and the Punjab. Epc: 37°·3 N., 72°·0 E., north of the Hindukush. (Tentative.). h=200 km. O=10h. 58m. 05s. 36° 5 N., 70°·5 E. h=220 km. (Strasbourg). 35° 3 N., 72°·8 E. h=250 km. H=10 h. 58 m. 12 s. (J. S. A.)
		isP	3 53	...	...	...	
		iS	6 18	...	...	...	
		sS (?)	7 22	...	...	...	
		F	12 31 ...	...	...	...	
,, 15-16	N	iP	21 40 57	...	...	1,550	Moderate. Epc: 34° 5 N., 77°·5 E., east Kashmir. O=21h. 37m. 34 s.
		iPR_1	41 6	...	...	...	
		iS	43 42	...	...	...	
		iSR_1	44 8	...	...	...	
		iL	44 37	...	...	...	
		M	45 52	...	...	...	
		Mn	46 55	12	184	...	
		F	0 7 ...	...	...	...	
,, 16	N	e	5 36 38	...	...		Slight, distant.
		Mn	38 50	...	...	...	
		F	6 1 ...	...	...	...	
,, 16	N	i	13 57 36	...	...	...	Slight, distant.
		i	58 3	...	...	...	
		F	14 13 ...	...	...	...	
,, 16	N	eP	22 31 48	...	...	1,870	Slight.
		iS	35 2	...	...	...	
		iL	36 12	...	...	...	
		Mn	38 39	10	9	...	
		F	23 8 ...	...	...	...	
,, 17	N	e	17 54 32	...	...	...	Slight, distant.
		Mn	58 36	...	...	...	
		F	18 14 ...	...	...	...	

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TABLE D₃—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 18	N	e	3 0 23	...	...	...	Slight, very distant.
		i	7 14	...	...	...	
		i	7 45	...	...	...	
		F	52 ...	...	...	...	
„ 18	N	i	4 48 43	...	...	...	Slight, distant.
		Mn	55 38	...	...	...	
		F	5 7 ...	...	...	...	
„ 19	N	e	22 20 55	...	...	...	Slight. distant.
		i	21 23	...	...	...	
		e	25 8	...	...	...	
		Mn	39 25	...	...	...	
		F	59 ...	...	...	...	
„ 23	N	e	14 11 10	...	...	...	Slight, very distant.
		Mn	15 17 41	...	...	...	
		F	16 11 ..	...	...	...	
„ 23	N	eP	16 31 41	...	...	520	Slight.
		eS	32 37	...	...	...	
		iS*	32 52	...	...	...	
		F	43 ...	...	...	...	
„ 25	N	i	1 3 57	...	...	...	Slight, distant.
		Mn	25 40	...	...	...	
		F	2 19 ...	...	...	...	
„ 25	N	i	5 6 43	...	...	...	Tremor.
		F	23 ...	...	...	...	
„ 25	N	eP	5 42 18	...	...	3,420	Slight.
		ePR₁	43 28	...	...	...	
		iS	47 29	...	...	...	
		eL	51 10	...	...	...	
		Mn	55 25	10	5	...	
		F	Lost in microseisms.				
„ 26	N	eP	10 51 45	...	...	3,430	Slight. Epc : 27° 5 N., 122° E. east Coast of China.
		ePR₁	52 37	...	...	...	
		ePR₂	52 59	...	...	...	
		i	55 25	...	...	...	
		iS	56 57	...	...	...	
		iSR₁	58 31	...	...	...	
		eL	11 0 36	...	...	...	
		M	11 3 17	...	...	...	
		Mn	6 15	10	8	...	
		F	12 7 ...	...	...	...	
„ 27	N	e	13 58 10	...	...	...	Slight, very distant.
		e	14 2 41	...	...	...	
		Mn	51 25	...	...	...	
		F	15 39 ...	...	...	...	
„ 28	N	e	1 6 48	...	...	...	Tremor.
		e	17 8	...	...	...	
		F	Lost while changing chart.				

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 28	N	iP	5 29 26	...	...	2,800	Moderate. Epc: 2°.0 S., 96°.6 E., off West Sumatra. O=05h. 24m. 00s.
		iPR₁	29 59	...	...	...	
		iPR₂	30 12	...	...	...	
		iS	33 55	...	...	...	
		iSR₁	35 0	...	...	...	
		iL	36 23	...	...	...	
		M	38 43	...	...	...	
		Mn	49 43	13	97	...	
		F	8 52 ...	...	...	...	
„ 29	N	e	15 21 24	...	...	...	Slights, near.
		Mn	22 56	...	...	...	
		F	15 36 ...	...	...	...	
„ 30	N	iP	0 44 29	...	...	1,950	Moderate. Epc: 5°N. 89°E. South Bay of Bengal. H=0h. 40m. 28s. 5°N., 90°E. H. O.=0h. 40·5m. (Strasbourg).
		iPR₁	44 48	...	...	...	
		iS	47 50	...	...	...	
		iSR₁	48 24	...	...	...	
		iL	49 3	...	...	...	
		M	50 41	...	...	...	
		Mn	54 41	15	246	...	
		F	Lost in microseisms.				
„ 30	N	e	12 5 14	...	...	...	Tremor.
		F	Lost in microseisms.				
„ 30	N	e	13 7 43	...	...	5,890	Moderate. Afrom S-H. Epc: °.5 N., 37°.5 E. In Abyssinia. H=12h. 57·9m. 7°.5 N., 45°E. h=10 km. (Strasbourg)
		e	10 7	...	...	...	
		iS	14 35	...	...	...	
		i	17 6	...	...	...	
		iSR₁	17 41	...	...	...	
		L	21 49	...	...	...	
		M	25 19	...	...	...	
		F	Lost in microseisms.				
Dec. 5	N	e	15 38 52	...	...	...	Slight, very distant
		i	43 20	...	...	...	
		i	46 14	...	...	...	
		Mn	16 31 7	...	...	...	
		F	17 56 ...	...	...	...	
„ 6	N	iP	4 43 5	...	...	5,150	Slight. Epc : Near Bonin Island.
		iPR₁	44 46	...	...	...	
		ePR₂	45 29	...	...	...	
		eS	49 58	...	...	...	
		iSR	54 15	...	...	...	
		eL	57 11	...	...	...	
		M	5 0 24	...	...	...	
		Mn	4 47	17	28	...	
		F	6 30 ...	...	...	...	
„ 8	N	iP	8 38 30	...	...	3,250	Moderate. Epc : 25°N., 120°E. H=8h. 32m. 17s. 26°N., 119°E. H. O.=8h. 32·4 m. (U. S. C. G. S.) 23°.2 N., 121°E. felt in all Formosa (Taihoku)
		ePR₂	39 33	...	...	...	
		i	42 20	...	...	...	
		iS	43 30	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Dec. 8		iSR₁	44 55	...	...	...	
		iL	46 38	...	...	...	
		M	49 16	...	...	...	
		Mn	54 25	15	189	...	
		F	11 29 ...	...	...	...	
„ 8	N	e	17 2 40	...	...	...	Tremor
		i	6 40	...	...	...	
		F	46 ...	...	...	...	
„ 8	N	eP	20 45 4	...	...	4,010	Slight. Epc : Probably in the neighbourhood of the previous shock.
		i	49 12	...	...	...	
		iS(?)	50 52	...	...	...	
		iSR₁	52 59	...	...	...	
		i	54 22	...	...	...	
		iL	55 35	...	...	...	
		M	58 40	...	...	...	
		Mn	21 1 48	12	21	...	
		F	50 ...	...	...	...	
„ 8	N	e	23 45 56	...	...	...	Slight, distant.
		e	49 8	...	...	...	
		Mn	57 44	...	...	..	
		F	Lost in microseisms.				
„ 9	N	eP	22 12 53	...	...	500	Slight, Felt at Dhubri (Assam).
		eP*	13 3	...	...	...	
		e$\bar{P}$	13 13	...	...	...	
		iS	13 47	...	...	...	
		i$\bar{S}$	14 11	...	...	...	
		F	28 ...	...	...	...	
„ 10	N	eP	13 37 36	...	...	5,270	Slight.
		ePR₁	39 20	...	...	...	
		iS	44 36	...	...	...	
		eSR₁	47 48	...	...	...	
		eSR₂	49 3	...	...	...	
		eL	52 0	...	...	...	
		M	56 12	...	...	...	
		Mn	59 1	17	17	...	
		F	14 48 ...	...	...	...	
„ 13	N	eP	19 0 17	...	...	3,200	Moderate. Epc : 24°N., 121°E. 23°N., 120°E. South of Formosa (Strasbourg) Felt in all Formosa. (ManIala).
		ePR₁	0 59	...	...	...	
		iS	5 14	...	...	...	
		eSR₁	6 37	...	...	...	
		iL	8 26	...	...	...	
		M	9 49	...	...	...	
		Mn	13 59	15	163	...	
		F	21 3 ...	...	...	...	
„ 16	N	eP	8 37 20	...	...	2,670	Slight.
		ePR₁	37 50	...	...	...	
		ePR₂	38 2	...	...	...	
		iS	41 39	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec	μ	Km.	
Dec. 16		eSR₁	42 38	...	...	...	
		eL	44 4	...	...	...	
		M	46 8	...	...	...	
		Mn	50 49	13	7	...	
		F	light fused.				
„ 16	N	i	18 37 54	...	...	...	Slight, distant.
		i	40 31	...	...	...	
		i	42 34	...	..	...	
		Mn	49 21	...	...	...	
		F	19 12 ...	...	...	...	
„ 17		i	4 39 6	...	...	...	Slight, distant.
		M	52 8	...	...	...	
		Mn	57 55	...	...	...	
		F	5 46 ...	...	...	...	
„ 17	N	eP	9 39 17	...	...	3,910	Moderate. Epc : Same as 8d 8h 40m.
		ePR₁	40 47	...	...	...	
		iS (?)	44 59	...	...	...	
		eSR₁	47 2	...	...	...	
		i	48 14	...	...	...	
		iL	49 35	...	...	...	
		M	52 34	...	...	...	
		Mn	54 21	13	69	...	
		F	11 48 ...	...	...	...	
„ 18	N	eP	13 23 23	...	...	2,750	Moderate . Epc : 42°·o N 71°.6 E. O: 13h. 18m. 05s
		iP	23 30	...	...	...	
		iPR₁	23 55	...	...	...	
		iS	27 42	...	...	...	
			27 48	...	...	...	
		eL	30 13	...	...	...	
		M	32 30	...	...	...	
		Mn	33 50	10	182	...	
		F	15 8 ...	...	...	...	
„ 20	N	eS?	5 3 43	...	...	...	Slight. Epc : 29°N., 81°E, western border of Nepal. O=4h. 59m. 50s.
		i	3 55	...	...	...	
		i	4 8	...	...	...	
		i$\bar{S}$	4 46	...	...	...	
		i	5 5	...	...	...	
		i	5 18	...	...	...	
		F	39 ...	...	...	...	
„ 22	N	PKS	4 0 33	...	...	...	Slight. Epc: 17°N., 106°W. H. O.=3h 31m. 17s. (U. S. C. G. S.) 17°N., 105°.7W. H=3h. 37m. 15s. (J. S. A.)
		i	4 43	...	...	...	
		i	9 25	...	...	...	
		e	18 50	...	...	...	
		eL	39 16	...	...	...	
		Mn	5 7 35	15	7	...	
		F	6 9 ...	...	...	...	
„ 22	N	eP	12 43 50	...	...	210	Slight.
		i$\bar{P}$	43 55	...	...	...	

TABLE D_3—*concld.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Dec. 22		iS	44 15	...	...	...	
		$i\bar{S}$	44 20	...	...	...	
		Mn	46 2	...	...	...	
		F	48 ...	...	...	...	
" 23	N	iP'_1	13 37 20	...	...	16,110	Great; Epc: 17°.5 N., 97°·5 W. H.O.=13h. 17m. 56s. (Strasbourg) Destructive in Mexico.
		iPR_1	40 33	...	...	...	
		iScPcP	40 52	...	...	...	
		iPR_2	43 48	...	...	...	
		eScPcS	44 19	...	...	...	
		eScPcPcS	47 17	...	...	...	
		iPScPcS	50 42	...	...	...	
		iPPS	53 22	...	...	...	
		iSR_1	59 24	...	...	...	
		iSR_2	14 4 52	...	...	...	
		eL	26 42	...	...	...	
		M	37 27	...	...	...	
		Mn	44 25	20	203	...	
		F	17 30 ...	...	...	...	
" 24	N	eP'_1	6 41 14	...	...	16,110	Slight.
		ePR_1	44 54	...	...	...	
		eScPcP	45 13	...	...	...	
		PR_2(?)	48 9	...	...	...	
		eScPcs	48 40	...	...	...	
		eScPcPcS	51 39	...	...	...	
		iPScPcS	55 3	...	...	...	
		eSR_1	7 4 44	...	...	...	
		eSR_2	9 13	...	...	...	
		eL	31 3	...	...	...	
		M	42 21	...	...	...	
		Mn	53 1	21	19	...	
		F	Lost in microseisms				

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1937.							
Dec. 25	N	eP	1 18 37	...	...	3,850	Slight.
		S(?)	24 15	...	...	...	
		i	25 44	...	...	...	
		iSR_1	26 13	...	...	...	
		iL	28 39	...	...	...	
		M	32 9	...	...	...	
		F	Lost in microseisms.				
" 25	N	i	21 28 57	...	...	...	Slight, very distant.
		e	37 37	...	...	...	
		i	45 18	...	...	...	
		Mn	22 23 53	...	...	...	
		F	23 4 ...	...	...	...	
" 28	N	eP	3 18 10	...	...	4,970	Slight.
		iPR_1	19 46	...	...	...	
		iPR_2	20 27	...	...	...	
		iS	24 53	...	...	...	
		iSR_1	27 51	...	...	...	
		iSR_2	28 55	...	...	...	
		iL	31 27	...	...	...	
		M	35 25	...	...	...	
		Mn	40 50	20	17	...	
		F	Lost in microseisms.				
" 28	N	e	6 39 11	...	...	...	Slight, very distant.
		Mn	7 30 34	...	...	...	
		F	Lost in microseisms.				
" 31	N	i	18 4 6	...	...	...	Slight, very distant.
		Mn	19 4 57	...	...	...	
		F	20 13 ...	...	...	...	

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STATION—SOLAR PHYSICS OBSERVATORY, KODAIKANAL.

Lat. 10° 13′ 50″ *Long.* 77° 28′ 00″ Height above M. S. L. 2343 metres.

Lithologic Foundation: Rock.

Instruments: Milne-Shaw Seismograph; East-West (E) Component.

INSTRUMENTAL CONSTANTS.

Component.	Steady mass. (Kg.)	T. (sec.).	Vm	ε	Paper speed (mm/min.)
E	0·45	12	250	20 : 1	8

TABLE D_4.

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Jan. 4	E	eP	22 57 50	...	...	(7090)	
		eS	23 06 32	...	...	...	
		F	53 ...	...	...	...	
" 5	E	eP	0 05 02	...	...	(6565)	Feeble shock. Epc: 40° S., 135° E. Northwest New Guinea.
		eS	13 15	...	...	...	
		F	53 00	...	...	...	
" 5	E	i (P)	4 56 42	...	...	(6700)	Feeble shock.
		i(S)	5 05 03	...	...	...	
" 5	E	e	11 18 32	...	...	...	Feeble shock. Epc: North Riu Kiu Islands (Chiufeng).
		e	27 31	...	...	...	
" 5	E	eP	21 47 27	...	...	6080	Epc: 31° N., 132° E. Off South Japan.
		iS	55 12	...	...	...	
		iPS	55 41	...	...	...	
		SR_1	58 41	...	...	...	
		L	22 04 16	...	...	...	
		Mn	15 00	19	6	...	
		F	23 03 00	...	...	...	
" 7	E	...	No record from 7th to 8th				
" 12	E	e	5 52 23	...	...	...	Feeble shock.
" 23	E	iP	11 07 45	...	...	8600	Near Caroline Islands?
		iS	17 39	...	...	...	
		iPS	18 15	...	...	...	
		L	32 15	...	...	...	
		F	12 05 00	...	...	...	
" 25	E	iP	6 47 51	...	...	10000	Epc: 10°·6 S., 163°·3 E. (J. S. A.). 12°S., 164°E. (U. S. C. G. S.).
		iScPcS	58 14	...	..	...	
		iS	58 46	...	...	...	
		iPS	59 50	...	...	...	
		iPPS	7 00 10	...	...	...	
		iSR_1	05 15	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Jan. 25		iL	18 44	...	...	...	
		Mn	29 53	15	11	...	
		F	9 30 00	...	...	...	
Feb. 1	E	e	9 25 17	...	...	...	Feeble shock.
		F	10 16 00	...	...	...	
" 1	E	e	21 21 00	...	...	...	Tremors.
		F	44 00	...	...	...	
" 8	E	i	8 47 00	...	...	...	Feeble shock.
		F	9 16 00	...	...	...	
" 12	E	e	5 04 00	...	...	...	Feeble.
		F	Mixed up with the following quake.				
" 12	E	eP	5 39 54	...	...	3500	Slight. Epc: Gobi desert.
		eS	45 10	...	...	...	
" 21	E	iP	7 13 53	...	...	7705	Great. Epc: 45°·2 N., 148°·6 E., (J.S.A.).
		iS	23 04	...	...	...	
		iPS	23 42	...	...	...	
		SR_2	30 22	...	...	...	
		L	36 00	...	...	...	
		Mn	49 00	20	163	...	
		F	Mixed up with the following shock.				
" 21	E	i (P)	11 3 24	...	...	7730	
		e (PR_1)	6 0	...	...	...	
		e(S)?	12 38	...	...	...	
		F	12 20 ...	...	...	...	
" 22	E	e	13 44 00	...	...	...	Tremors.
		F	14 25 00	...	...	...	
" 22	E	Mn	3 43 36	...	...	...	
" 23	E	eP	0 14 39	...	...	...	Slight. Epc: Near 26°·5 N. 98°·5E Northeast Frontier of Burma.
		eS	19 9	...	...	...	
" 23		F	50 00	...	...	...	

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TABLE D₄—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Feb. 23	E	e	0 59 00?	...	...	...	Long distance earthquake.
		F	2 37 00	...	...	...	
„ 25	E	e	20 01 41	...	...	...	Slight.
„ 28	E	iP	15 01 09	...	...	...	Slight shock.
		e	05 15	...	...	...	
		F	32 00	...	...	...	
Mar. 11	E	e	18 10 14	...	...	...	Slight shock.
		F	18 34 00	...	...	...	Phases not clear.
„ 12	E	e	9 29 13	...	...	...	Two shocks ?
		i	32 23	...	...	...	
		F	10 20 ...	...	...	...	
„ 14	E	e	12 23 35	...	...	...	Epc: 23·8S., 71°·0 W., O: 11h. 56m. 01s. (J.S.A.). 25°·0S., 70°·0 W. O: 11h. 55m. 48 (U. S. C. G. S.) Minor Damages reported from Taltal, Chilie.
		i	24 ...	...	...	...	
		e	33 46	...	...	...	
		F	13 59 00	...	...	...	
„ 15	E	P	6 02 00	...	...	3,150	Epc : Sumatra.
		S	06 53	...	...	...	
		L	09 14	...	...	...	
		F	33 00	...	...	...	
„ 16	E	iP	15 53 34	...	...	4,970	Epc : 18° N., 123° E. Felt in Northern Luzon and slightly in Manila.
		PR_1	55 15	...	...	...	
		PR_2	55 37	...	...	...	
		S	16 0 17	...	...	...	
		L	06 36	...	...	...	
		M	09 34	24	8	...	
		F	37 00	...	...	...	
„ 21	E	iP	16 16 56	...	...	2,520	Slight. Epc : 26°·6 N., 92°·7 E., near Tezpur, Assam. O: 16h. 1: m. 5s. Felt at Dhubri Sylhet; Bogra, Jalpaiguri; Cherrapunji, Dibrugarh, Gauhati and Salona.
		iS	21 04	...	...	...	
		F	17 10 00	...	...	...	
„ 21	E	e	17 59 00	...	...	...	Tremors.
		F	18 33 00	...	...	...	
„ 26	E	eP	9 54 30	...	...	2,810	Epc : 11°·5 S., 64°E.
		iS	59 00	...	...	...	
		Mn	10 04 50	12	25	...	
		F	11 31 00	...	...	...	
Apr. 3	E	e	21 18 ...	...	...	...	Feeble shock.
		F	46 ...	...	...	...	
„ 5	E	iP	7 6 21	...	...	6200	Minute marks irregular. Epc : 5°S., 130°E., near Banda Islands. O=6h. 56 m. 52 s.
		iPR_1	8 18	...	...	...	
		iPR_2	9 30	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		iS	14 13	...	...	...	
		iPS	14 53	...	...	..	
		iSR_1	18 00	...	...	...	
		iSR_2	19 40	...	...	...	
		iL	23 48	...	...	...	
		Mn	28 02	19	21	...	
		F	9 23 ...	...	...	...	
Apr. 7	E	e	14 6 ...	...	...	...	Tremors.
		f	14 24 ...	...	...	...	
„ 15	E	e	20 17 ...	...	...	...	Tremors.
		f	33 ...	...	...	...	
„ 16	E	pP	03 16 56?	...	...	11890	P. lost due to loss of trace. Epc. : 22°·2S., 179·0E. H=3h. 01m. 34s. Depth=390±km. (J.S.A.)
		iPR_1	20 00	...	...	...	
		e	21 50	...	...	...	
		iScPcS	25 30	...	...	...	
		i	26 23	...	...	...	
		i	27 00	...	...	...	
		i	28 16	...	...	...	
		i	29 38	...	...	...	
		isSP	31 15	...	...	...	
		i	32 02	...	...	...	
		i	41 42	...	...	...	
		iL	56 00	...	...	...	
		Mn	04 05 15	19	40	...	
		F	6 47 ...	...	...	...	
„ 29	E	eP	19 06 15	...	...	10,860	△ from P-H. Epc. 53°·8 N., 160°·5W. Depth=40+km (J. S. A). 53°·0N. 161°W (U. S. C. G. S.). H=18h. 52m. 40s.
		PR_1	10 11	...	...	...	
		eScPcS	16 48	...	...	...	
		eS	17 42	...	...	...	
		eL	33 25	...	...	...	
		Mn	54 30	20	17	...	
		F	Merged with the next shock.				
„ 29	E	e	?	...	...	...	Merged with the previous shock.
		i	27 37 ...	...	...	...	
„ 30	E	eP	19 37 35	...	...	2,080	Epc : 29°N., 81°E. in Nepal. H=19h. 33m. 05s.
		eS	41 07	...	...	...	
		iL	43 17	...	...	...	
		Mn	45 17	10	5	...	
		F	20 04 ...	...	...	...	
„ 30	E	e(P?)	20 10 24	...	...	...	Epc : Possibly in the neighbourhood of the preceding shock.
		e	13 47	...	...	...	
		i	14 10	...	...	...	
		iL	15 00	...	...	...	
		Mn	16 06	8	2	...	
		F	34 ...	...	...	...	
May. 4	E	e	5 46 19	...	...	...	Feeble shock.
		F	6 28 ...	...	...	...	
„ 9	E	e	14 58 ...	...	...	...	Epc : 48°·0 N., 150°·5 E. near Kurile Islands H=14h. 46m. 4s.
		F	16 20 ...	...	...	...	

TABLE D₄—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
May 11	E	e	12 14 ...	...	...	...	Tremors.
		F	13 25 ...	...	...	...	
„ 16			... ...	...	...	...	Tremors ; no time marks.
„ 28			... ...	...	...	...	Feeble shock ; no time marks.
„ 31	E	e	5 39 57	...	...	2,230	Preliminary confused by microseisms Epc : 29°.3 N., 81°o E. Western border of Nepal O=5h. 34 m. 30s. ∢ from SR_1—O.
		eS	42 36	...	...	...	
		eSR_1	43 00	...	...	...	
		L	? ...	...	...	...	
		M	45 15	3	4	...	
		F	6 19 ...	...	...	...	
„ 31	E	e	15 43 53	...	...	...	Feeble shock, Deep focus. Epc : 2°.5 S., 159°.5 E. (Chiufeng).
		F	16 41 ...	...	...	...	
June 7	E	e	3 55 ...	...	...	...	Tremors.
		f	4 11 ...	...	...	...	
„ 14	E	e	13 23 ...	...	...	...	Tremors.
		f	14 29 ...	...	...	...	
„ 21 } „ 22 }		No record. Owing to a defect in the instrument the record was lost.					
„ 24	E	e	14 30 ...	...	...	...	Tremors.
		f	14 57 ...	...	...	...	
„ 24	E	e	20 59 ...	...	...	...	Tremors.
		f	21 26 ...	...	...	...	
„ 30	E	e	14 14 ...	...	...	...	Tremors.
		f	14 44 ...	...	...	...	
July. 1	...	...	... ...	...	...	...	No time marks ; only a part of the waves were recorded.
„ 2	...	...	... ...	...	...	...	Incomplete record ; beginning not clear.
„ 4	E	eP?	6 8 00	...	...	9,970	Epc : 13°S., 163°E. (U.S.C.G.S.)
		ScPcS?	18 38	...	...	...	
		S	18 53	...	...	...	
		PS	19 53	...	...	...	
		i	20 50	...	...	...	
		i	21 42	...	...	...	
		L?	42 00	...	...	...	
		M?	50 24	20	...	...	Merged with the next shock.
		F	... ...	...	...	...	
„ 4	E	i	7 50 00	...	...	...	
		i	59 52	...	...	...	
		i	8 0 28	...	...	...	
		L	16 10	...	...	...	
		M	23 16	20	...	...	
		F	9 5 00	...	...	...	
„ 10	E	e	20 58 30	...	...	...	Slight shock. Epc : 15°N., 137°E.
		F	21 26 00	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
July 12	E	iP	0 6 53	...	...	2,265	Epc : 7°.5 N., 98°E
		iS	10 40	...	...	...	
		SR_1?	11 25	...	...	...	
		L	12 18	...	...	...	
		M	14 27	16	...	...	
		F	43 00	...	...	...	
„ 14	E	e	23 13 00	...	...	...	
„ 19	E	e	19 55 53	...	...	...	Feeble. Epc : 1°·5 N., 77°·5 W. H=19h. 35m. 55s. h=175 km. (J.S.A.).
		F	22 22 00	...	...	...	
„ 22	F	e	17 33 12	...	...	...	Great. Times uncertain due to failure of time-marks. Record full of strong microseisms. Epc : 64°·5 N., 145°·1 W. H=17 h. 09m. 36s. G.M.T. Felt all over Central Alaska. (J.S.A.).
		e (SR_1)	38 04	...	...	...	
		e (SR_2)	41 42	...	...	...	
		L	53 ...	...	...	...	
		M	18 00 47	...	...	...	
		Mn	07 15	30	...	...	
		F	19 50 00	...	...	...	
„ 26	E	e	4 04 00	...	...	...	Epc. : 18°·6 N., 95°·8 W.. H=2h. 47m. 11s. h=75 km. Damage reported from cities along the Gulf coast of Mexico etc. (J.S.A.) h=100 km (Kew). Big microseisms intefere with seismic vawes.
		F	5 36 00	...	...	...	
„ 26	E	iP	20 07 06	...	...	6,770	Epc : 37° N., 140°E. 40° N., 142° E (U. S. C. G. S.).
		iS	15 31	...	...	...	
		iPS	16 00	...	...	...	
		SR_1	19 34	...	...	...	
		SR_2	21 38	...	...	...	
		L	26 02	...	...	...	
		M	Not clear.				
		F	21 0 0	...	...	...	
Aug. 1	E	eP	10 49 22	...	...	5305	Epc : 38° N., 114° E. in China.
		PR_1	51 02	...	...	...	
		PR_2	51 48	...	...	...	
		iS	56 24	...	...	...	
		iSR_1	59 59	...	...	...	
		iSR_2	11 01 19	...	...	...	
		iL	03 48	...	...	...	
		Mn	12 41	14	...	...	
		F	13 05 00	...	...	...	
„ 4-5	E	iP	23 39 26	...	...	1810	Epc : 6° N., 94·5 E. off N. Sumatra.
		iS	42 35	...	...	...	
		iSR_1	43 08	...	...	...	
		iL	43 49	...	...	...	
		M	45 20	19	...	...	
		F	01 02 00	...	...	...	
„ 5	E	eP	14 55 20	...	...	(7920)	Time of S and subsequent phases uncertain due to failure of time marks. Epc : 7°S., 149° E (Strasbourg).
		iS (?)	15 04 41	...	...	...	
		PS	05 18	...	...	...	

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TABLE D_4—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		e	09 53	...	...	...	
		iL	17 37	...	...	...	
		M?	24 20	19	...	...	
		F	57 00	...	...	...	
Aug. 8	E	e	5 16 00	...	...	...	Tremors.
		F	28 00	...	...	...	
,, 9	E	e	14 50 00	...	...	...	Epc. 26° N., 140° E. near Bonin Island.
		F	15 59 00	...	...	...	
,, 9	E	e	16 51 00	...	...	...	Tremors.
		F	17 55 00	...	...	...	
,, 11	E	iP	01 02 58	...	...	4,550	Maximum movement of amplitude 12 mm after S. Depth of focus 620 km. (approx.)
		i	03 35	...	...	...	
		i	04 35	...	...	...	
		i	05 45	...	...	...	
		iS	08 25	...	...	...	
		i	09 34	...	...	...	
		i	10 45	...	...	...	
		i	11 37	...	...	...	
		F	03 27 00	...	...	...	
,, 14	E	e	11 17 00	...	...	...	Tremors.
		F	32 00	...	...	...	
,, 15	E	eP	4 34 52	...	...	...	Epc : In North China Sea.
		PR_2	36 41	...	...	...	
		PcP	37 14	...	...	...	
		e	41 30	...	...	...	
		L	48 09	...	...	...	
		M	52 12	24	...	...	
		F	6 05 00	...	...	...	
,, 15	E	eP?	11 42 10	...	...	2,550	Epc : 30° N., 89° E. Tibet.
		iS	46 16	...	...	...	
		iL	47 37	...	...	...	
		M	49 11	12	...	...	
		F	12 19 00	...	...	...	
,, 15	E	e	12 54 00	...	...	...	Tremors. Aftershock of the preceeding one.
		F	13 10 00	...	...	...	
,, 17	E	e	13 20 00	...	...	...	Tremors.
		F	14 12 00	...	...	...	
,, 20	E	P	6 45 19	...	...	3,900	Epc : 24° S. 71° E. Indian Ocean. H=6h. 38m. 21s.
		S	51 00	...	...	...	
		M	54 55	19	...	...	
		F	8 34 00	...	...	...	
,, 20	E	iP	12 07 22	...	...	1,695	Epc : 17° N., 122° E. (U. S. C. G. S.). 14°10′ N., 122° 5′E. H=11h. 59m. 13s. (Manila.) Destructive in Manila.
		iS	13 50	...	...	...	
		iSR_2	17 58	...	...	...	
		iL	20 45	...	...	...	
		Mn	26 00	23	...	...	
		F	16 07 00	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Aug. 21	E	e	23 25 00	...	...	...	Tremors.
		F	59 00	...	...	...	
,, 22	E	e	2 24 00	...	...	...	Feeble shock.
		F	53 00	...	...	...	
,, 23	E	e	17 20 00	...	...	...	Tremors.
		F	53 00	...	...	...	
,, 24	E	e	18 45 00	...	...	...	Feeble long distance shock.
		F	20 12 00	...	...	...	
,, 25	E	e	22 12 00	...	...	...	Feeble shock.
		F	39 00	...	...	...	
,, 26	E	e	18 11 00	...	...	...	Feeble shock.
		F	19 02 00	...	...	...	
,, 31	E	e	...	...	...	...	Feeble shock. Other phases lost while changing the record.
		F	2 49 00	...	...	...	
,, 31	E	iP	14 20 23	...	...	2,690	Epc : 25° N., 96° E: Upper Burma. H=14h. 15m. 15s.
		iS	24 44	...	...	...	
		iSR_1	25 48	...	...	...	
		iL	27 13	...	...	...	
		Mn	33 09	19	...	...	
		F	16 27 00	...	...	...	
Sep. 1	E	eP	8 53 41	...	...	11500±	△ from PS-P Epc : 31°S., 179°W. Kermadek Islands. (U. S. C. G. S.) 37°S., 179° W. H=8h. 39. lm. (Strasbourg).
		PR_1	57 47	...	...	...	
		PR_2?	9 00 08	...	...	...	
		ScPcS	04 31	...	...	...	
		$\overline{ScPc}\ \overline{PcS}$	05 16	...	...	...	
		eS?	05 38	...	...	...	
		PS	06 56	...	...	...	
		PPS	07 39	...	...	...	
		SR_1	12 44	...	...	...	
		SR_2	16 56	...	...	...	
		L	28 41	...	...	...	
		M	36 15	23	...	...	
		Mn	43 19	...	...	...	
		F	11 17 00	...	...	...	
,, 1	E	eP	22 06 06	...	...	...	
		PR_1	09 06	...	...	...	
		L	32 35	...	...	...	
		M	38 46	22	...	...	
		F	23 21 00	...	...	...	
,, 3	E	eP	19 00 16	...	...	...	Probable time correction + 1 m. Epc : 52·5° N., 177°·5 W. Aleutian Islands. H=18h. 48m. 29s. h=160—180 km. (J. S. A.).
		i	00 23	...	...	...	
		i	04 14	...	...	...	
		i	05 38	...	...	...	
		iSKS	10 38	...	...	...	
		i	11 15	...	...	...	
		PS	11 29	...	...	...	

TABLE D_4—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		i	11 44	...	...	...	
		i	16 20	...	...	...	
		L	28 30	...	...	...	
		F	21 49 00	...	...	...	
Sep. 3	E	e	22 42 00	...	...	...	Feeble shock.
		F	23 20 00	...	...	...	
,, 4	E	e	6 28 34	...	...	...	
		e	32 20	...	...	...	
		e	34 25	...	...	...	
		ScPcS	39 00	...	...	...	
		e	39 52	...	...	...	
		i	40 07	...	...	...	
		PS	41 12	...	...	...	
		e	41 48	...	...	...	
		SR_1	46 14	...	...	...	
		e	50 25	...	...	...	
		L	7 00 40	...	...	...	
		Mn	13 46	19	...	...	
		F	8 38 00	...	...	...	
,, 8	E	e	0 56 49	...	...	14200	Probable time correction+ 2 m. Epc : South Atlantic in the neighbourhood of Cape Horn. H=Oh. 40. lm. (U. S. C. G. S.)
		ScPcP	1 04 32	...	..	...	
		ScPcS	07 54	...	..	...	
		$\overline{ScPc}\ \overline{PcS}$	09 40	...	..	...	
		PS	131 0	...	...	...	
		Mn	25 41	19	...	...	
		F	4 10 00	...	...	...	
9-10	...	...	...	...	...	...	Earthquake shock. Slight. Lines overlappling. Times uncertain. iS—iP=4m. 4s.
,, 14-15	E	e	23 55 30	...	...	...	Feeble shock.
		F	0 54 00	...	...	...	
,, 15	E	iP	12 40 10	...	...	9,250	Epc : 9° S., 161° E., Solomon Islands. (U. S. C. G. S.). H=12h. 27m. 37s.
		PR_1	43 19	...	...	...	
		PR_2	45 12	...	...	...	
		iS	50 32	...	...	...	
		PS	51 15	...	...	...	
		SR_1	56 09	...	...	...	
		SR_2	59 18	...	...	...	
		L	13 08 00	...	...	...	
		M	14 26	27	...	...	
		F	16 00 00	...	...	...	
,, 16	E	eP_1	0 08 40	...	...	...	Long distance shock. Phases not clear.
		e	09 03	...	...	...	
		F	2 32 00	...	...	...	
,, 17	E	e	9 49 8	...	...	...	
		e	53 44	...	...	...	
		i	55 26	...	...	...	
		e	56 50	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		i	58 26	...	...	...	
		e	10 04 09	...	...	...	
		e	04 55	...	...	...	
		L	21 11	...	...	...	
		M	27 34	17	...	...	
		F	12 32 00	...	...	...	
Sep. 21	E	iP	7 52 17	...	...	2,990	Epc : 21° N., 104° E. Deep ?
		iS	57 00	...	...	...	
		SR_1	58 15	...	...	...	
		L	59 49	...	...	...	
		M	8 02 12	23	...	...	
		F	54 00	...	...	...	
,, 21	E	eP	9 48 34	...	...	5380	Epc : In the region of 4° N., 125°E. Celebes Sea. H=9h. 40·0m.
		PR_1	50 21	...	...	...	
		PR_2	51 07	...	...	...	
		iS	55 40	...	...	...	
		SR_1	58 51	...	...	...	
		L	10 02 35	...	...	...	
		Mn	08 26	24	...	...	
		F	?		...	...	Merged in the following shock.
,, 21	E	e	?				Merged in the preceding. shock.
		F	11 56 00	...	...	...	
,, 21	E	e	21 22 00	...	...	...	Feeble shock.
		F	22 27 00	...	...	...	
,, 22	E	iP	3 19 26	...	...	5,010	Epc. 12°3′ N., 124° 3′ E. Felt in eastern Visayas. (Manila).
		PR_2	21 40	...	...	...	
		S	26 11	...	...	...	
		SR_1	29 13	...	...	...	
		SR_2	30 15	...	...	...	
		L	32 51	...	...	...	
		Mn	45 30	15	...	...	
		F	4 49 00	...	...	...	
,, 23	E	iP	13 17 57	...	...	8,580	Epc : 6° S., 154° E H=13h. 06m. 01s. (U. S. C. G. S.)
		PR_1	20 53	...	...	...	
		PR_2	22 39	...	...	...	
		S	27 50	...	...	...	
		PS	28 31	...	...	...	
		SR_1	33 04	...	...	...	
		SR_2	35 42	...	...	...	
		L	42 39	...	...	...	
		M	47 14	40	...	...	
		F	18 05 ...	...	...	...	
,, 30	E	eP	21 59 07	...	...	9580	
		PR_1	22 02 34	...	...	...	
		ScPcS	09 19	...	...	...	
		S	?	...	...	...	
		L	22 29 36	...	...	...	
		Mn	38 29	20	...	...	
		F	23 28 ...	...	...	...	

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Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Oct. 4	E	e	4 8 ...	...	...	...	Feeble shock.
		F	5 13 ...	...	...	...	
,, 4	E	e	6 43 ...	...	...	...	Tremors.
		F	7 24 ...	...	...	...	
,, 4	E	e	8 38 ...	...	...	...	Tremors.
		F	10 7 ...	...	...	...	
,, 5	E	e	7 32 ...	...	...	...	Tremors.
		F	8 4 ...	...	...	...	
,, 12	E	i	21 10 25	...	...	...	Long distance feeble shock.
		F	22 37 ...	...	...	...	
,, 15	E	e	17 2 ...	...	...	...	Tremors.
		F	8 ...	...	...	...	
,, 17	E	iP	4 57 28	...	...	6,845	Epc : 35°·7 N., 141°·0 E., Inubosaki (Strasbourg).
		iS	5 5 57	...	...	...	
		iPS	6 23	...	...	...	
		SR_2	12 30	...	...	...	
		eL	17 15	...	...	...	
		Mn	28 43	18	10	...	
		F	6 34 ...	...	...	...	
,, 20	E	eP	1 28 22	...	...	2,165	Beginning uncertain lines overlapping. Epc : 30°·0 N., 78°·2 E. near Dehra Dun. 0=1h. 24m. 00s.
		iS	32 1	...	...	...	
		iL	34 20?	...	...	...	
		i	35 16	7	18	...	
		F	4 10 ...	...	...	...	
,, 21	E	e	5 15 ...	...	...	...	Feeble shock.
		F	43 ...	...	...	...	
,, 22	E	eP	16 19 29	...	...	2465	Epc : 0°·5 N., 96°·0 E., West off Sumatra. H=16h. 14·5m.]
		iS	23 32	...	...	...	
		iSR_1	24 42	...	...	...	
		iL	25 51	...	...	...	
		M	27 49	18	8	...	
		F	17 26 ...	...	...	...	
,, 24	E	e	12 00 ...	...	...	...	Feeble shock.
		F	13 1 ...	...	...	...	
,, 25	E	e	7 43 ...	...	...	...	Tremors.
		F	8 33 ...	...	...	...	
,, 25	E	e	10 53 ...	...	...	...	
		F	11 58 ...	...	...	...	
,, 28	E	e	4 43 ...	...	...	...	Nonseismic ?
		F	57 ...	...	...	...	
,, 29	E	eP	7 32 00	...	...	3,070	Epc : 37°·0 N., 70°·5 E. h=250-300 km. 0=7h. 26m. 30s. Epc : 39° N., 69° E. Turkestan. (Strasbourg).
		iS	36 22	...	...	...	
		i	37 39	...	...	...	
		M	40 52	5	16	...	
		F	8 27 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Oct. 30	E	e	8 57 ...	...	...	...	Tremors.
		F	9 18 ...	...	...	...	
,, 30	E	e	20 31 ...	...	...	...	Tremors.
		F	20 50 ...	...	...	...	
Nov. 2	E	e	11 6 ...	...	...	...	Feeble shock.
		F	12 16 ...	...	...	...	
,, 7	E	S	19 17 28	...	...	...	
		M	21 23	12	16·5	...	
		F	38 ...	...	...	...	
,, 10	E	e	8 21 ...	...	...	...	Feeble shock.
		F	54 ...	...	...	...	
,, 11	E	iP	0 5 27?	...	...	1935	Epc : 22°·5 N., 62° E. North Arabian Sea, H=0h. 0lm. 30s. No time marks. Times given are only approximate.
		S	8 47	...	...	...	
		L	10 27	...	...	...	
		Mn	16 12	12	15·4	...	
		F	1 19 ...	...	...	...	
,, 13	E	P	10 10 ...	...	...	...	Two earthquakes merged. Lines overlapping.
		F	12 40 ...	...	...	...	
,, 13	E	e	18 45 ...	...	...	...	Feeble. Time marks not clear. Times approximate.
		F	19 20 ...	...	...	...	
,, 14	E	iP	11 2 34	...	...	2,885	Great. Absolute time uncertain due to indistinct time-marks.
		i	3 14	...	...	...	
		i	3 41	...	...	...	
		iS	7 09	...	...	...	
		L	9 52?	...	...	...	
		M	12 ?	...	...	...	
		F	13 28 ...	...	...	...	
,, 14	E	e	21 38 ...	...	...	...	Tremors.
,, 15	E	e	0 13 ...	...	...	...	Tremors.
		F	27 ...	...	...	...	
,, 15	E	eP	21 43 49	...	...	2,670	△ from (S-P). Time correction about —2m due to failure of time-marks. Epc. : 34°·5 N., 77°·5 E. east Kashmir. 0=21h. 37m. 34s.
		iS	48 04	...	...	...	
		SR_1?	49 23	...	...	...	
		L	50 38	...	...	...	
		Mn	51 49	...	...	...	
		F	23 41 ...	...	...	...	
,, 18	E	eP	2 59 21	...	...	...	Feeble shock.
		F	4 12 ...	...	...	...	
,, 18	E	e	4 53 ...	...	...	...	Tremors.
		F	5 8 ...	...	...	...	
,, 19	E	eP	22 17 26	...	...	(1,565?)	Feeble earthquake.
		S	20 12	...	...	...	
		L	21 ...	...	...	...	
		M	22 12	13·0	6·0	...	
		F	56 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Nov. 23	E	e	14 13 ...	...	...	...	Feeble, long distance shock.
		F	15 37 ...	...	...	...	
,, 25	E	eP(?)	00 59 12	...	...	2,735	
		S	1 3 36	...	...	...	
		L?	... ...	...	...	...	Time marks not clear.
		Mn	1 12 21	12	1·65	...	
		F	2 32 ...	...	...	...	
,, 25	E	e	5 59 ...	...	...	...	Feeble shock.
		F	6 22 ...	...	...	...	
,, 26	E	iP	10 53 28	...	...	5,000	Epc : 27°·5 N., 122° E. east coast of China.
		PR_2	55 37	...	...	...	
		S	11 0 12	...	...	...	
		SR_1	3 27	...	...	...	
		SR_2	4 40	...	...	...	
		L	7 12	...	...	...	
		Mn	12 57	20	7·0	...	
		F	51 ...	...	...	...	
,, 27	E	e	9 15 ...	...	...	...	Tremors.
		F	25 ...	...	...	...	
,, 27	E	e	14 24 ...	...	...	...	Feeble shock.
		F	15 14 ...	...	...	...	
,, 28	E	iP	5 29 08	...	...	2,520	Epc : 2°·0 S., 96°·6 E. Off west Sumatra. 0=05h. 24m. 00s
		iS	33 16	...	...	...	
		L	34 56	...	...	...	
		M	37 24	15	82·1	...	
		F	8 27 ...	...	...	...	
,, 28	E	e	10 24 ...	...	...	...	
		F	11 0 ...	...	...	...	
,, 30	E	iP	0 44 ...	...	...	1,310	Time uncertain due to failure of time marks. Epc. 5° N., 89° E. South Bay of Bengal. H=0h. 40m. 28 s. 5° N., 90° E. H. O=0h. 40·5m. (Strasbourg.)
		iS	46 22	...	...	...	
		L?	47 07	...	...	...	
		M	48 22	17	117·4	...	
		F	Not traceable.				
,, 30	E	...	... ...	...	...	...	Long distance earthquake. Lines missing.
Dec. 2	E	e	16 16 ...	...	...	...	Feeble shock.
		F	17 28 ...	...	...	...	
,, 2	E	e	22 16 ...	...	...	...	Tremors.
		F	36 ...	...	...	...	
,, 6	E	iP	4 44 50	...	...	6,955	Epc : Near Bonin Island.
		S	53 25	...	...	...	
		PS	53 52	...	...	...	
		L	? ...	...	...	...	
		F	6 51 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
Dec. 8	E	iP	8 40 19	...	...	4,735	Epc : 25° N., 120° E H=8h. 32m. 17s. Epc : 26° N., 119° E H.O.=8h. 32·4 m. (U. S. C. G. S.) Epc : 23°·2 N., 121° E Felt in all Formosa. (Taihoku).
		PR_1	41 40	...	...	...	
		PR_2	42 16	...	...	...	
		iS	46 49	...	...	...	
		SR_1	49 26	...	...	...	
		SR_2	50 20	...	...	...	
		L	52 46	...	...	...	
		M	9 3 35	16	52	...	
		F	? ...	...	...	...	
,, 10	E	...	...	...	...	...	Slight shock. Phase cannot be read, as lines overlap.
,, 12	E	eP	8 15 45	...	...	...	Slight long distance shock.
		F	10 40 ...	...	...	...	
,, 12	E	e	11 22 ...	...	...	...	Tremors.
		F	12 10 ...	...	...	...	
,, 13	E	iP	19 02 08	...	...	4,700	Epc : 24° N., 121° E. 23° N., 120° E., south of Formosa (Strasbourg). Felt in all Formosas (Manila).
		PR_1	04 02	...	...	...	
		PR_2	05 07	...	...	...	
		eS	08 36	...	...	...	
		PS	10 17	...	...	...	
		SR_1	14 00	...	...	...	
		SR_2	19 15 46	...	...	...	
		L	19 25	...	...	...	
		Mn	25 10	16	52	...	
		F	22 40 ...	...	...	...	
,, 13-14	E	e	23 24 00	...	...	...	Feeble shock.
		F	1 00 ...	...	...	...	
,, 16	E	...	...	...	...	...	Slight shock. No minute marks. Record incomplete.
,, 16	E	...	...	...	...	...	Lines missing before and after. No regular minute marks.
,, 17	E	...	...	...	...	...	Long distance shock of slight intensity. No minute marks.
,, 17	E	iP	9 40 25	...	...	4990	Epc : Same as 8d 8h 40m.
		PR_1	42 12	...	...	...	
		PR_2	42 59	...	...	...	
		S	47 09	...	...	...	
		SR_1	50 29	...	...	...	
		SR_2	51 45	...	...	...	
		L	54 50	...	...	...	
		M	10 03 04	17	22	...	
		F	11 39 ...	...	...	...	
		...	48 ...	...	...	...	
,, 17	E	e	19	...	...	...	Tremors.
		F	20 22 ...	...	...	...	
,, 18	E	eP	13 24 33	...	...	3365	Epc : 42°·0 .N, 71°·6E. 0=13h. 18m. 05s.
		eS	29 41	...	...	...	
		SR_1	31 15	...	...	...	
		L	33 41	...	...	...	

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TABLE D$_4$—*concld.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		Mn	36 11	9	20	...	
		F	15 39 ...	...	...	...	
Dec. 20	E	S	5 07 49	...	...	...	L and M are weak and not readable. Epc : 29° N. 81° E. western border of Nepal. O=4h. 59m. 50s.
		F	52 ...	...	...	...	
„ 22	E	eP	3 57 47	...	...	...	Distant slight shock. Epc : 17° N., 106° W. H.O=3h. 37m. 17s. (U. S. C. G. S.)
		F	6 50 ...	...	...	...	
„ 23	E	...	...	...	...	...	Long distant shock of moderate intensity. Time cannot be read owing to overlapping of lines.
		Mn	...	20	151	...	
„ 24	E	...	...	...	...	...	Tremors, minute marks not clear.
„ 24	E	e	6 40 40	...	...	...	
		L	7 31 50	...	...	...	
		Mn	42 42	24	24	...	
		F	9 17 ...	...	...	...	
„ 25	E	eP	1 19 10	...	...	6,245	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1937.			H. M. S.	Sec.	μ	Km.	
		S	27 05?	...	...	...	
		L	36 50	...	...	...	
		F	2 40 ...	...	...	...	
		eP	10 12 33	...	...	...	
		L	21 39	...	...	...	
		M	24 24	20	12	...	
		F	11 13 ...	...	...	...	
Dec. 26	E	...	...	...	...	...	Feebie shock; lines overlapping.
„ 28	E	P	? ...	...	...	...	P lost under the clip.
		iS	3 25 42	...	...	...	
		L	33 45	...	...	...	
		Mn	39 33	25	13	...	
		F	4 52 ...	...	...	...	
„ 28	E	P	6 38 08	...	...	...	Distant slight shock.
		F	9 09 ...	...	...	...	
„ 31	E	...	...	...	...	...	Distant feeble shock. Lines missing. Times uncertain.

A. L. NARAYAN,

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TABLE D$_5$.

The following table contains a list of earthquakes that are reported by voluntary observers from various stations.

TABLE D$_5$.

Place at which felt.	Date.	G.M.T. earthquake.	Duration.	Intensity (Rossi-Forel scale).	Number of shocks.	Remarks.
	1937.	H M.	Sec.			
Sonemarg	Jan. 8	00 10	2	7	2	
Kabul	„ 10	22 11	5	5	2	
Tezpur	„ 16	13 20	5	4	2	
Salona	„ 16	13 06	about 30-35	6	2	
Gauhati	„ 16	13 22	„ 50	6	2	
Naya Dumka	„ 16	13 20	„ 1	3	1	
Shillong	„ 16	13 17	„ 5-10	3	1	
Cherrapunji	„ 19	22 45	„ 2	5	...	
Drosh	„ 22	04 12	5	3	1	
Maymyo	„ 31	23 34 }	4	4	2	
Maymyo	Feb. 1	00 34 }				
Salona	„ 7	00 08	about 5	3	...	Only Small vibrations.
Shillong	„ 6	23 47	„ 30	6	1	
Gauhati	„ 6	23 45	„ 30	5	1	
Bali (Jodhpur State)	„ 16	15 00	about 10	4	1	
„ „ „	„ 19	01 50	„ 10	4	1	
Dhubri	Mar. 10	21 27	„ 12	6	3	
Salem	„ 16	18 35	about 10-12	7	1	
Jalpaiguri	„ 21	16 16	about 5	6	1	
Cherrapunji	„ 21	16 14	„ 11	3	2	
Drosh	„ 21	03 59	5	4	1	
Shillong	„ 21	04 12	10-20 each shock.	6	4	
Dibrugarh	„ 21	16 15	9	6	4	
Gauhati	„ 21	16 20	about 30	6	1	
Salona	„ 21	16 18	30	5	3	
Dhubri	„ 21	16 13	12	6	3	
Drosh	„ 21	19 10	10	5	1	
Dras	„ 28	03 45	10	6	1	
Srinagar	„ 28	03 45	about 5	8	1	
Sonemarg	„ 28	03 45	10	8	2	
Kargil	„ 28	03 50	1	6	2	
Skardu	„ 28	03 45	10	5	1	
Salona	Apl. 2	13 18	abt. 3-4	5	1	
Mymensingh	„ 3	15 30	¼	6	1	
Yatung, Tibet	„ 4	20 45	abt. 15	5	1	
Salona	„ 5	21 56	4-5	4	1	
Salona	„ 16	07 08	4-5	5	1	
Gauhati	„ 18	04 24	Abt. 30	7	1	
Salona	„ 18	04 26	„ 9	4	1	
Shillong	„ 18	04 12 } 21 15 }	40	3	4	
Drosh	„ 23	17 15	3	4	1	
Roorkee	„ 24	06 25	15	5	1	
Drosh	„ 25	04 00	2	4	2	
Chaman	May 12	04 39	2	6	2	
Gilgit	„ 14	02 00	7-10	6	1	
Quetta	„ 30	14 07	3	5	1	
Cherrapunji	Jun. 9	21 13	8	3	2	
Jaipur	„ 13	12 27	4	6	2	
Cherrapunji	„ 23	05 07	11	4	1	

Place at which felt.	Date.	G.M.T. earthquake.	Duration.	Intensity Rossi-Forel scale.	Number of shocks.	Remarks.
	1937.	H. M.	Sec.			
Gauhati	June. 23	05 10	About 20	5	1	
Shillong	„ 23	06 30 06 52	30 } 5 }	6	2	
Shillong	July. 22	05 47	3-5	6	1	
Shillong	„ 31	06 15	about 20	6	2	
Salona	Aug. 8	03 36	About 10	4	...	
Dibrugarh	„ 8	03 29	4	4	3	
Gauhati	Sep. 9	2 40	about 50	5	2	
Tazpur	„ 9	23 30	3½	6	1	
Salona	„ 9	23 37	abt. 5-7	5	1	
Shillong	„ 9	23 40	„ 30-40	6	1	
Dibrugarh	„ 9	23 39	4	6	3	
Gulmarg	„ 9	18 25	3	8	3	
Drosh	„ 9	18 00	3	6	3	
Kabul	„ 10	17 00	10	5	1	
Suvana (Jodhpur State)	Sep. 18	23 52	About 20	6	1	
Quetta	„ 26	05 00 } 05 03 } 15 40 }	20	5	3	
Quetta	„ 27	07 58 } 16 00 }	3	4	2	
Shillong	„ 28	01 06	About 15	6	1	
Cherrapunji	„ 28	01 19	11	4	1	
Shillong	„ 29	18 50	About 10	4	1	
Srimangal	„ 29	19 30	...	3	1	
Quetta	Oct. 8	07 15	15	6	1	Tremor.
Shillong	„ 11	22 04	Abt. 3-5	6	2	
Ambala	„ 20	01 30	5	6	3	
Mussoorie	Sep. 20	01 20	60	5	1	
Lahore	„ 20	01 24	abt. 45	5	1	
New Delhi	„ 20	01 22	1-2	4	2	
Dehra Dun	„ 20	01 24	abt. 3	8	2	
Simla	„ 20	01 24	„ 10	5	3	
Jullunder	„ 20	01 28	„ 20	5	1	
Roorkee	„ 20	01 28	15	6	1	
Srinagar	„ 20	01 28	abt. 3	5	2	
Lahore	„ 29	07 31	„ 4	5	2	
Peshawar	„ 29	07 27	5	5	3	
Cherat	„ 29	07 27	5	6	1	
Shillong	„ 29	17 50	5	5	1	
Drosh	„ 29	07 31	90	6	1	
Srinagar	„ 29	07 27	abt. 2	5	2	
Kabul	„ 29	07 29	3	5	1	
Kabul	„ 31	22 00	3	4	1	
Drosh	Nov. 2	16 20	13	5	1	
Gilgit	„ 6	19 08	2	6	1	
Rawalpindi	„ 6	19 12	abt. 40	6	3	
Peshawar	„ 7	19 09	„ 12	4	actual shocks were practically unnoticed.	
Srinagar	„ 7	19 18	„ 2¼	8	2	

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TABLE D_5—*contd.*

Place at which felt.	Date.	G.M.T. earthquake.	Duration.	Intensity (Rossi-Forel scale).	Number of shocks.	Remarks.
	1937.	H. M.	Secs.			
Gurez	Nov. 7	19 12	25	6	3	
Drosh	" 7	18 48	abt. 20	6	2	
		19 08	" 60			
Lahore	" 14	11 00	" 60	9	2	
New Delhi	" 14	10 58	" 105	7	1	
Roorkee	" 14	11 00	" 60	5	3	
Sialkot	" 14	11 02	" 10	5	3	
Peshawar	" 14	10 58	220	6	...	Verandah on 3rd floor of new building in cantonment collapsed. Older bungalows had moderate falls of materials from walls.
		11 02				
Simla	" 14	11 02	abt. 12	5	1	
Miranshah	" 14	10 59	120	7	2	
Dehra Dun	" 14	11 02	abt. 2-3	3	1	
D. I. Khan	" 14	11 03	" 30	6	4	
Multan	" 14	11 00	" 120	5	...	
Cherat	" 14	11 02	80	9	Many.	Big stones slipped down from hills and blocked the roads.
Ambala	" 14	11 05	abt. 15	5	3	
Rawalpindi	" 14	11 00	" 180	8	3-4	
Srinagar	" 14	11 07	" 8	9	5	Two boys fell down from windows and received injuries.
	1937.	H. M.	Sec.			
Drosh	Nov. 14	11 00	abt. 132	9	1	Buildings fell down. Ground fissure occurred.
Swabi (N. W. F. P.)	" 14	13 05	" 60	...	1	
Mussoorie	" 14	11 00	" 23	4	2	
Gilgit	" 14	10 52	10	6	Several	
Dras	" 14	11 05	90	7	More than 10.	
Gurez	" 14	11 05	70	9	5	Cracked all the walls of Fort building and dismantled the chimney top throughout.
Sonemarg	" 14	11 05	110	6	2	
Kargil	" 14	11 30	2	6	3	
Kabul	" 14	10 56	90	7	1	
Skardu	" 14	11 00	135	8	5	
Murree	" 14	11 07	...	4	...	
Simla	" 15	11 10	1½	4	...	
Srinagar	" 15	21 43	abt. 2	7	2	
Drosh	" 16	14 00	" 2	6	1	
Drosh	" 19	04 10	" 10	6	1	
Shillong	" 20	17 07	" 5	4	1	
Drosh	" 21	00 46	" 30	4	1	
Simla	" 24	17 33	1	6	1	
Gauhati	Dec. 7	21 55	abt. 30	5	1	
Gauhati	" 9	22 12	" 30	5	2	
Dhubri	" 9	22 15	12	6	3	
Yatung (Tibet)	" 13	15 40	abt. 2	5	1	

J. M. SIL,

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