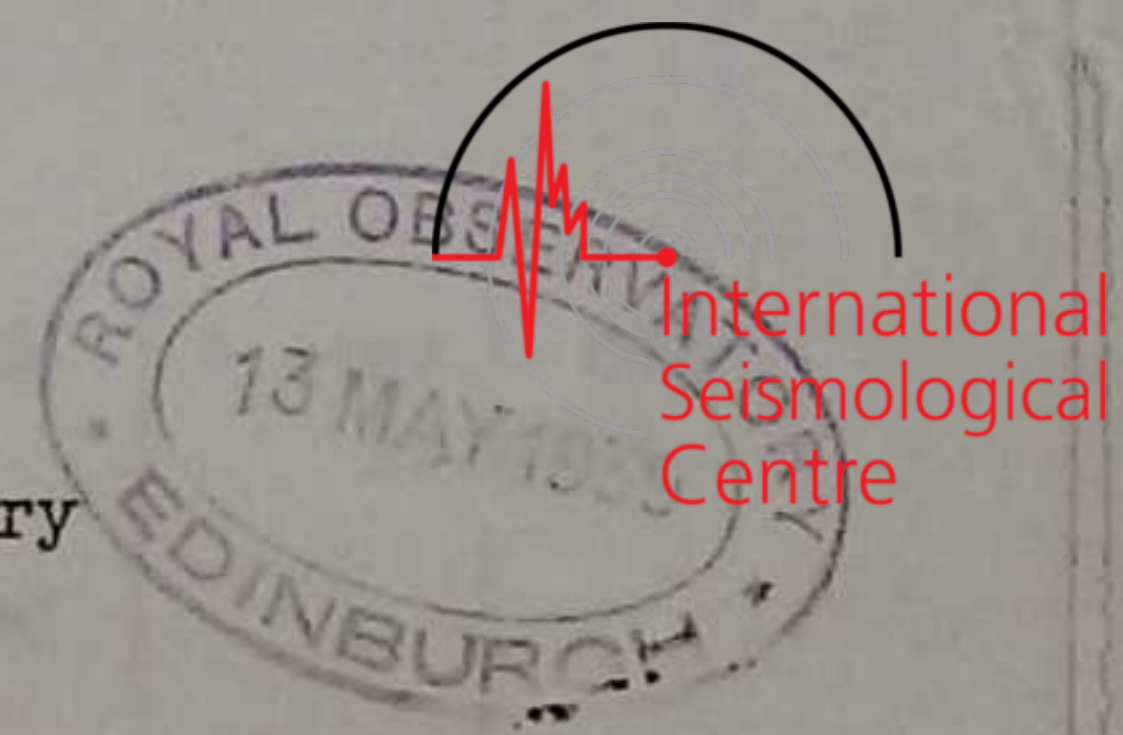


Seismological Bulletin 1938.
Royal Magnetical and Meteorological Observatory
Batavia, Java.



April - June 1938

Remarks. Reports of Soengei Langka have not been inserted in this Bulletin.

April.

No.	Date	Station	Character	Phase	G.M.C.T.	Distance	Remarks
163	Apr.1	Med	Ir	ePE eE	00 ^h 49 ^m 48 ^s 00 54 06	degrees	extremely faint.
164	" 1	Amb	IIv	PNE SNE	13 00 53 13 00 55		
165	" 1	Med	Ir	ePE SE	21 36 57 21 41 29	25.6	extremely faint.
		Bat	Ir	ePZN ePE SE eLE	21 37 15 21 37 20 21 42 20 21 50	29.8	faint.
165a	" 2	Bat	I	PZ PNE eLN	06 26 03 06 55		faint in micros. too faint.
166	" 2	Bat	Iu	iPZ S?E	07 40 31 07 48 43	58.7?	
167	" 2	Mal		i	15 39 35		
168	" 3	Bat	Ir	ePNE iN iSNE IN	10 59 02 11 00 42 11 05 24 11 11	41.4	in micros.
		Med	Iu	P S?N	 11 07 37		too faint.
169	" 4	Med	IIv	PNE iNE SNE	05 39 24 05 39 43 05 39 57	2.6	felt at Tjalang (N.Sumatra).
170	" 4	Amb	IIIv	iPNE iSNE SoS	21 10 08 21 11 00 21 23 10	3.5	deep focus, h = 400 km, epicentre 127° E, 7° S.

170	Apr. 4	Mal	r	iP	h m s		degrees	
					21	13		
	(cont.)			i	21	13	09	19.5
		Bat	IIr	iS	21	16	48	
				iPZE	21	13	08	20.1
				PN	21	13	09	compression from ESE.
				iE	21	14	52	
		Med	Ir	iSZNE	21	16	32	
				ePE	21	14	41	30.2
				iE	21	17	41	faint.
				iN	21	18	02	
				iSNE	21	19	10	
171	" 10	Med	I	eE	05	22	49	
				eE	05	25	42	
172	" 13	Med	Iu	ePNE	02	57	49	75.5
				iSNE	03	07	34	faint.
		Bat	Iu	iE	03	08	47	S?.
173	" 13	Mal	d	iP	04	12	42	1.2
				iS	04	12	57	felt in Priangan (W.Java).
		Bat	Iv	iPZ	04	12	48	1.6
				iSNE	04	13	08	dilatation.
174	" 13	Amb	Iv	ePNE	04	19	26	0.5
				SNE	04	19.5		in minute eclipse.
175	" 13	Amb	Iv	ePE	10	57	25	3.8
				iSE	10	58	12	felt at Hollat (Kei Island).
176	" 13	Bat	Iv	PZ	12	03	51	
				iE	12	04	30	
		Mal	v	i	12	04	12	
177	" 13	Amb	Iv	PE	18	13	29	
178	" 13	Amb	Iv	ePE	18	17.6		faint in minute eclipse.
179	" 14	Med	IIIr	PNE	01	21	02	19.5
				iSNE	01	24	41	
		Bat	Ir	PZNE	01	22	46	29.5
				iE	01	24	50	
				iSZ	01	27	49	
				eLZ	01	37		
		Amb	Ir	iPE	01	24	18	29.3
				iSE	01	30	29	
180	" 14	Mal	v					1.6
								iS - P = 20 sec; no time-
								correction, felt at
								Tjimiring (C,Java).
181	" 14	Amb	Iv	PNE	12	54	57	
182	" 14	Amb	Iv	iPE	14	03	48	
183	" 14	Mal	v	i				
								no time-correction, felt in
								Priangan (W.Java).
184	" 14	Amb	IIId	iPNE	15	47	36	
		Bat	Ir	PE	15	52	41	20.6?
				SN	15	56	30	dubious.

185	Apr. 15	Amb	Iv	ePNE	h m s		degrees	
					07	25		
				iSNE	07	25	20	0.5
186	" 16	Med	Iv	ePE	12	22	50	
								faint.
187	" 17	Amb	Ir	PNE	09	01	34	
		Bat	Ir	iPNE	09	02	49	
		Med	Ir	eE	09	05	02	
188	" 17	Med	Iv	ePE	19	05	01	2.7
				eSN	19	05	35	
189	" 18	Amb	Iv	ePE	00	40	21	2.1
				iSNE	00	40	48	
190	" 18	Amb	Iv	PNE	03	55.1		2.3
				iSNE	03	55	35	in minute eclipse.
191	" 19	Bat	Iv	PNE	01	06	24	1.4
				iSNE	01	06.7		faint, felt in Cheribon
				iNE	01	07	42	(W. Java).
								in minute eclipse.
192	" 19	Mal	v	i	03	33	41	
								felt in Cheribon (W.Java).
193	" 19	Med	Iu	ePNE	11	10.4		67.0
				eSNE	11	19.4		in minute eclipse.
				eLN	11	32		in minute eclipse.
				LNE	11	36		
		Bat	Iu	ePN	11	11	32	
				LNE	11	41		faint in micros.
194	" 20	Amb	Iu	PN	06	35	51	
				ePE	06	35	52	
		Bat	Iu	PE	06	38	05	65.6
				PN	06	38	07	
				iSN	06	46	58	
				eLN	07	00		
				LE	07	02		
				LN	07	03		
		Med	Iu	ePE	06	39	17	76.3
				SN	06	49	06	faint.
				eLNE	07	05		
				LNE	07	08		
195	" 20	Amb	IIIv	iPNE	11	14	05	1.7
				iSNE	11	14	27	felt on Ceram Island.
196	" 20	Mal	v	i	16	48	00	
197	" 21	Med	Iv	PE	14	42	38	2.8
								felt at Kampong Air
				SNE	14	43	13	(Simeuloeë Island).
				iN	14	43	19	
198	" 23	Med	I	ePE	00	35	26	
								in change of papers.
199	" 23	Amb	Iv	ePN	12	45	49	
				iNE	12	46.7		in minute eclipse.

					h m s	degrees	
200	Apr. 23	Med	Iv	PE SNE	21 27 36 21 28 26	4.0	
201	" 23	Med	IIIv	iPNE iSNE	23 05 05 23 05 34	2.3	felt in Atjeh and on Simeu- loeë Island (N. Sumatra), Azimuth 292°
202	" 24	Bat	Iv	ePZ iS?E	15 25 38 15 26 21	3.4?	faint.
203	" 25	Mal	v		10 16		traces.
204	" 26	Mal	v	P S	11 49 49 11 50 02	1.0	
205	" 26	Amb Bat	IIv Ir	iPNE iPZ iPE iE iE iE S?N S?E	12 54 40 12 58 05 12 58 07 12 59 13 13 01 13 13 01 36 13 01.7 13 01 43	19.7	strong. in minute eclipse.
		Mal	r	P? i	12 58 13 13 01 40		
		Med	Ir	PNE	12 59 46		
206	" 29	Bat	Iv	PN ePE	12 44 21 12 44 23		faint.
207	" 30	Mal	v	i	00 17 52		

May.

208	May 1	Med	Ir	PE iN	01 40 47 01 40 52		
		Bat	Ir	iNE	01 41 20		
209	" 1	Mal	v	eP iS	15 44 55 15 45 01	0.5	
210	" 3	Bat	Iu	PZ iN eE	02 35 08 02 36 01 02 36 49		
		Med	Iu	ePE	02 35 17		
211	" 3	Bat	Iv	iPZE iSNE iZ	06 07 48 06 08 09 06 08 27	1.6	
212	" 3	Med	Iv	PNE	17 36		in hour sign; felt at Air Bangis (Sum.W. Coast).
213	" 4	Bat Med	Ir Ir	PZE ePE SNE	05 53 53 05 55 52 06 00 33	26.8	felt on Flores Island.

					h m s	degrees	
214	May 4	Amb	Iv	PE iS iE	08 28 16 08 28 34	1.4	
215	" 6	Med	Ir	PE iS?E iN iE iE	03 45 54 03 49 47 03 53 25 03 53 50 03 54 45	21.0?	
		Bat	Ir	iE iN	03 57 15 03 57 17		
216	" 8	Med	Iv	ePE	13 48 12		
217	" 8	Bat	Ir	PZN iPN iN iSE SN eLE LZ LN	13 55 59 13 56 02 13 57.8 14 02 27 14 02 28 14 06 14 07 14 08	42.4	in minute eclipse.
		Amb	Iu	PNE SNE	13 57.1 14 04 25	50.3	in minute eclipse.
		Med	Iu	ePN iNE iSNE	13 57 12 13 57 21 14 04 37	51.4	faint in previous. strong.
218	" 8	Amb	IIv	PNE iSE iSN	14 42.1 14 43 27 14 43 30	6.4	in minute eclipse.
		Mal	r	iP iS	14 43 52 14 46.2	13.3	in minute eclipse. compression in previous.
		Bat	Ir	PZE iNE	14 43 55 14 46 18		in previous.
		Med	Ir	PNE iNE iN iE iN	14 45 28 14 49 21 14 49.7 14 50 15 14 55 00		in minute eclipse.
218a	" 8	Med	Ir	ePE S?E S?E S?N	15 45 18 15 47 55 15 48 32 15 48.7		in minute eclipse.
219	" 9	Med	IIv	PE SNE	15 49 36 15 50 16	3.2	in previous.
		Bat	Ir	eN	15 53 59		faint.
220	" 11	Bat Med	I I	eZ eE	15 04 43 15 05 02		faint.
221	" 11	Bat	I	eP?E	17 41 36		
222	" 12	Amb	IIIr	PNE iSNE eLNE LE iP iS L	15 43 31 15 47 13 15 51 15 53 15 46 40 15 52 49 15 59	19.8	P phase very strong.
		Mal	r			39.0	

				h m s	degrees	
222	May 12	Bat	IIIr	PZ 15 46 41	41.0?	
	(cont.)			PNE 15 46 42		
				iZ 15 48 10		
				iZ 15 48 33		
				iNE 15 48 34		
				S?N 15 53 00		
				iNE 15 53 10		
				eUZ 15 56		
				LZNE 16 00		
		Med	IIIu	PNE 15 48 01	50.0	
				iN 15 48 24		
				iN 15 55 04		
				SNE 15 55 17		
				iN 15 55 25		
223	" 12	Amb	I	iE 17 03 47		in previous.
224	" 12	Amb	I	PE 20 01 03		traces.
225	" 12	Amb		21 30		traces.
		Bat	Ir	PZE 21 50 33		faint, felt in C. Celebes.
				iN 21 34 27		
				iZE 21 34 32		
		Med		21 52		traces.
226	" 13	Amb	Iv	PN 11 57 46	5.9	felt at Manado (N.Celebes).
				iE 11 58 58		
				SNE 11 59 02		
		Bat	Ir	PZ 12 01 02	21.6	faint in micros.
				eN 12 01 39		faint in micros.
				eSN 12 05 01		
227	" 13	Amb	Ir	PNE 15 08 52	16.3?	
				S?N 15 12 02		
				S?N 15 12 21		
		Bat	Ir	iPZ 15 12 27		compression.
				eE 15 12 33		in micros.
				eN 15 12 35		
		Med	Ir	PE 15 13 30		
				iE 15 17 33		
228	" 14	Bat	Iv	ePN 06 32 27	3.5?	faint.
				ePZ 06 32 30		
				iZ 06 33 00		
				iS?N 06 33 11		
229	" 14	Med	IIIr	PNE 12 07 46		
				SE 12 11 35		
				iN 12 12 43		
				iE 12 13 21		
				iE 12 13 33		
				iE 12 13 42		
		Bat	Iir	iPZ 12 09 24	28.7?	
				PNE 12 09 25		
				eS?E 12 14 20		
				eS?N 12 14 23		
				iN 12 18.8		in minute eclipse.
				iE 12 19 00		
				iN 12 20 18		

				h m s	degrees	
230	May 14	Med	Iv	ePN 17 59 17	4.2	felt in Sum. W. Coast.
				iE 17 59 51		
				SNE 18 00 09		
		Bat	I	ePN 18 00 05		faint.
231	" 15	Amb	I	ePNE 00 02 34	7.6	
				SN 00 04 11		
		Bat	Ir	iZ 00 05 44		
232	" 15	Med	I	PE 04 33 05		
				iE 04 33 39		
233	" 16	Bat	I	iN 01 26 05		
234	" 16	Amb	Iv	PNE 07 07 13	8.6	
				SE 07 09 02		
		Bat	Ir	PZ 07 10 48		
				eE 07 12 05		
				eN 07 12 32		
				iE 07 16 48		
				iN 07 16 54		
		Med	Ir	PN 07 13 43	36.0	
				PE 07 13 47		
				iSNE 07 18 32		
235	" 16	Amb		15 33		traces; felt at Mesawa (W. Celebes).
		Bat	Ir	ePZ 15 36 33		
				ePE 15 36 34		
				iNE 15 40 56		
		Med		15 40		traces.
236	" 17	Mal	v	P 12 26 18	1.4	
				iS 12 26 36		
237	" 18	Mal	v	i 17 45 21		
238	" 19	Bat	Iv	eP?N 07 13 02	4.0?	
				iSNE 07 13 52		
		Mal	v	iP 07 13 14		
				i 07 13 21		
239	" 19	Amb	IIIv	PNE 17 10 30		destructive; felt in Celeb and E.Borneo.
				iE 17 10 50		
				S?NE 17 12 43		
				iNE 17 13 02		
				iE 17 13.3		in minute eclipse.
				iE 17 13 44		
		Mal	r	eP 17 11 59		
				i 17 12 18		
				i 17 12 22		
				i 17 12 55		
				iS? 17 15 05		
				i 17 16 35		
				i 17 19.6		in minute eclipse.
		Bat	IIIr	PZNE 17 11 50		dilatation from ENE; pens thrown off.
				iPE 17 12 06		
				iPZ 17 12 10		
				iPN 17 12 12		

				h m s	degrees	
239	May 19 (cont.)			17 15 19		
				17 15 32		
				17 15 34		
		Med	IIIr	PNE	17 13 22	NE pen thrown off.
				iE	17 13 47	
				iS?NE	17 17 47	
240	" 19	Amb	IIv	iPNE	18 36 30	3.8
				SE	18 37 17	
		Mal	r	eP	18 39 56	18.0
				S	18 43 22	faint.
		Bat	Ir	iZ	18 40 36	in previous.
		Med	Ir	eE	18 42 16	faint in previous.
241	" 20	Amb	Iv	iPNE	07 42 19	sharp.
242	" 20	Bat	Ir	iPZ	10 46 24	felt in c.Celebes.
				ePNE	10 46 34	in micros.
				iS?NE	10 49 36	
				iS?N	10 51 00	
		Med	Ir	PE	10 47 17	extremely faint.
				S?NE	10 52 15	
243	" 20	Bat	Ir	ePZ	21 39 12	faint felt in C.Celebes.
				S?N	21 43 58	
244	" 20	Amb	Iv	PE	22 35.5	3.0
						in minute eclipse; felt at Fak Fak (N.Guinee)
245	" 21	Mal	v	P	20 02 45	
				i	20 03 20	
		Bat	Iv	iNE	20 03 21	
246	" 22	Amb	Iv	iPNE	07 41 54	
247	" 22	Bat	Iu	ePZ	07 56 15	60.5
				eE	07 58 30	faint.
				iSNE	08 04 37	
248	" 22	Bat	Iu	PZ	08 32 39	60.5
				SNE	08 40 54	replica.
249	" 22	Amb	I	ePN	11 30 51	faint.
		Bat	Ir	iPZ	11 34 13	23.9
				ePE	11 34 14	
				iSN	11 38 32	
250	" 23	Mal	v	i	00 29 17	
251	" 23	Amb	Ir	ePN	07 26 21	40.5
				iNE	07 26 28	
				iE	07 26 37	
				iSNE	07 32 37	
				LN	07 41	
				LE	07 42	
		Med	Ir	ePNE	07 27 34	50.0
				SE	07 34 50	
				SN	07 34.9	in minute eclipse.
				eLINE	07 42	
				LE	07 45	strong.

				h m s	degrees	
251	May 23 (cont.)	Bat	IIu	iPZNE	07 27 49	52.3
				eSZ	07 35 19	
				SNE	07 35 20	
				eLZ	07 41	
				LZ	07 44	
				eLN	07 45	
				LNE	07 50	
		Mal	u	e	07 28 07	
				eL	07 49	
252	" 23	Amb	Ir	ePN	08 26 55	23.1
				iPNE	08 26 58	
				iSE	08 31 06	
				iE	08 31 20	
				LE	08 34	
		Med	IIIr	PNE	08 27 19	25.0
				iN	08 50 04	in previous.
				SE	08 31 46	
				iN	08 31 52	
		Bat	IIIr	iPZ	08 27 36	
				iPN	08 27 39	27.9
				ePE	08 27 39	
				iSE	08 32 29	
				iSN	08 32 35	
				LZ	08 39	
		Mal	r	P	08 27 46	
				i	08 53 19	
				eS	08 32 12	
253	" 23	Amb	I	eN	16 26 19	
		Bat	I	eE	16 31 04	
				iE	16 53 17	
		Med	I	eE	16 33 43	
254	" 23	Med	Iv	iNE	17 43 57	faint.
255	" 27	Bat	Ir	iPE	03 42 38	
				eE	03 45 01	
		Med	Ir	ePE	03 42 39	faint.
256	" 27	Med	Iv	iPNE	04 50 28	1.7
				iSNE	04 50 50	
257	" 28	Med	Iu	ePE	16 51.9	55.1
				eSE	16 59 46	faint in minute eclipse.
				LNE	17 13	
		Bat	Iu	iPZ	16 52 08	59.6
				SN	17 00 25	
258	" 29	Amb	Iv	iNE	09 35 55	
				iE	09 36 08	
259	" 30	Amb	Ir	ePE	14 37 45	40.9
				ePN	14 37 47	
				iSN	14 44 04	
				eLINE	14 54	
		Bat	IIIu	iPZ	14 40 09	60.1
				iPE	14 40 10	dilatation from E.
				PN	14 40 11	



					h m s	degrees	
259	May 30			iE	14 43 53		
	(cont.)			iSNE	14 47 53		
				LZ	14 55		
				eLNE	14 57		
				LE	15 02		
				LN	15 03		
		Med	Iv	ePNE	14 41 20	71.1	faint.
				iN	14 41 35		
				SNE	14 50 42		
				LE	15 07		
260	" 30	Med	Iv	iE	20 34 15		
				iE	20 34 48		
261	" 31	Amb	Iv	ePE	02 15 03	5.3	
				ePN	02 15 05		
				eE	02 15 10		
				iE	02 16 01		
				SN	02 16 11		

June.

					h m s	degrees	
262	Jun. 1	Med	IIv	PN	02 06 31	2.0?	
				S?E	02 06 57		
				iS?NE	02 07 22		
263	" 1	Mal	v	e	06 59 58		
				iS	07 00 07		
		Bat	Iv	iPZ	06 59 48	2.2	dilatation
				iSNE	07 00 16		
264	" 1	Med	Iv	PNE	11 10 26		
				iN	11 10 56		
				iE	11 11 13		
265	" 2	Mal	v	P	23 47 59	1.1	
				iS	23 48 13		
266	" 4	Med	IIIv	PNE	21 26 33	3.1	felt at Paja Toempi (N.SUM).
				iSN	21 27 12		
267	" 4	Bat	Iv	PZNE	22 43 27		in micros.
268	" 5	Mal	v	i	12 24 34		
269	" 5	Med	Iv	PNE	17 41.1		faint in minute eclipse.
				iNE	17 41 30		
270	" 6	Med	Iv	iN	13 39 39		felt in Sum. W. Coast.
271	" 7	Mal	v	i	06 42 03		
272	" 7	Med	Iv	PNE	22 25 50	2.1	
				iSNE	22 26 17		
273	" 8	Med	Iv	eNE	07 31 59		faint traces.

					h m s	degrees	
274	Jun. 8	Amb	Iv	PNE	08 14 31	4.9	traces.
				SNE	08 15 31		
275	" 8	Amb	Iv		09 20 10		traces.
276	" 8	Amb	Iv		09 25 11		traces.
277	" 8	Med	Iv	iN	20 09 03		
				iN	20 09 32		
278	" 8	Med	Iv	PNE	20 21 06		
279	" 9	Med	Iv	PNE	14 00 35		
				iN	14 01 11		
280	" 9	Mal	v	eP	18 25 30	3.0	felt in C. Java.
				iS	18 26 08		
		Bat	Iv	PZ	18 25 39		
				eNE	18 25 50		
281	" 9	Amb	IIIv	iPE	19 15 31		pens thrown off; felt at
				PN	19 15 32		Leksoela (Boeroe).
							Azimuth 270°.
		Bat	IIIr	ePZE	19 19 39		
				iPZE	19 19 45	20.0	dilatation from E.
				SN	19 23 27		
				SZ	19 23 34		
				iNE	19 23 37		
				LZ	19 27		
		Mal	r	eP	19 19 43	19.4	
				i	19 19 51		
				iS	19 23 22		
		Med	IIIr	PNE	19 21 12	28.3	
				SNE	19 26 05		
				iNE	19 26 33		
282	" 9	Bat	Ir	ePZ	21 01 04	21.4	faint.
				SN	21 05 00		
283	" 10	Amb	Iv	PNE	02 05.7		in minute eclipse.
284	" 10	Amb	Iv	ePN	05 24 21		aftershock 281.
				iN	05 24 33		
285	" 10	Amb	Iv	ePNE	07 50 18		aftershock 281.
				iNE	07 50 30		
286	" 10	Amb	v		08 26		traces.
287	" 10	Amb	Iv	PNE	09 08 47		aftershock 281.
				iE	09 08 55		
288	" 10	Amb	Ir	ePNE	09 59 41	29.3	
				iE	09 59 54		
				eSN	10 04 42		
				LE	10 07		
		Med	IIIr	PNE	10 00 25	34.3?	in micros.
				iE	10 02 42		
				iNE	10 04 45		
				iE	10 05 33		
				iS?E	10 06 02		

				25.			
				h m s	degrees		
288	Jun.10 (cont.)	Bat	IIIr	ePNE PZ iNE iN SNE iN eLZ LZ eLNE P i	10 00 42 10 00 43 10 01 04 10 02 29 10 06 38 10 06 47 10 08 10 14 10 15 10 00 53 10 01 12	37.0	in micros.
289	" 10	Amb	Iv	PNE iSN	12 52.4 12 52 50	2.0	in minute eclipse.
290	" 10	Amb	IIIv	iPNE	21 01 57		felt at Laksoela (Boeroe)
291	" 11	Amb	Iv	ePNE iSE	04 39 33 04 39 56	1.8	traces.
292	" 11	Amb	Iv	eNE	04 45 58		traces.
293	" 11	Amb	Iv	PN iPE S?NE	06 48 13 06 48 14 06 48 32	1.5?	
294	" 11	Amb	IIv	PNE iSE	09 40 33 09 40 58	2.0	
295	" 11	Amb	Iv	iE	09 57 06		traces.
296	" 11	Amb		eE	11 11 07		traces.
297	" 11	Amb	Iv	eE iE	11 55 42 11 56 32		faint.
298	" 11	Amb		eE	12 59 36		traces.
299	" 11	Amb	Iv	iPE SN	14 12 20 14 12 50	2.4	
300	" 11	Bat	Iv	eP?NE iSNE iN i	15 28.9 15 29 11 15 29 36 15 29 20	1.6?	faint in minute eclipse.
301	" 11	Amb	Iv	eE	17 46 24		faint traces.
302	" 11	Mal	v	P iS	19 03 15 19 03 28	1.0	
303	" 12	Amb	Iv	ePE SNE	17 14 20 17 14 42	1.7	
304	" 12	Amb	Iv	iPE iE SE	20 14 26 20 14 40 20 14 48	1.7	

				26.			
				h m s	degrees		
305	Jun.13	Amb	IIIv	iPNE iSE	06 55 10 06 55 30	1.6	
		Bat	Ir	PZ iNE iN S?N	06 59 17 06 59 24 07 00 26 07 03 11	21.0?	
		Med	Ir	ePE iN iE	07 00 49 07 01 49 07 03 17		in micros,
306	" 13	Bat	Iv	PZ iSNE iN	22 54 44 22 55 12 22 55 36	2.2	
307	" 14	Amb	Iv	ePNE iE	20 15 31 20 16 09		
308	" 15	Med	Iv	PE eNE	02 16 17 02 17 00		felt at Kampong Air (Sime loeë Island).
309	" 15	Med	Iv	eP?E	04 26 29		
310	" 15	Med	Iv	PE iE	08 03 49 08 04 41		
311	" 16	Amb Bat	I IIr	ePN iPZE iZ	01 49 20 01 51 58 01 56 08		
		Med	IIr	ePE eN S?E iN	01 53 31 01 57 38 01 58 03 02 02 51	25.6?	in strong micros.
312	" 16	Amb	Ir	PN iNE LE	02 21 36 02 21 50 02 28		
		Med	IIIr	PNE iE iS?NE eLN eLE	02 22 39 02 25 53 02 28 28 02 33 02 38	36.0?	in previous.
		Bat	IIIr	PZNE eZ iN iN LZ	02 22 54 02 25 35 02 26 12 02 29 15 02 39		
		Mal	r	P i S?	02 25 02 02 24 47 02 29 01	37.4?	
313	" 16	Med	Iv	iNE	12 48 28		
314	" 17	Med	Iv	eP?NE iSNE	00 37 32 00 37 47	1.2?	
315	" 17	Amb	Iv	PNE SNE	10 22 32 10 22 37	0.4	
316	" 17	Amb	Iv	PNE SNE	12 53 57 12 54 20	1.8	

					h m s	degrees	
317	Jun. 18	Bat	Ir	ePZ	18 15 43		faint.
				S?N	18 17 43		
				eS?E	18 18 52		
				iZ	18 19 26		
		Med	Ir	eFN	18 17 39		
				S?E	18 21 57		
				iN	18 26 13		
318	" 20	Med	IIIv	PNE	02 50 31	3.0?	felt in N.Sumatra and on Simeuloc Island. Azimuth 240°.
				S?NE	02 51 09		
319	" 20	Bat	Iv	PZ	04 25 30	4.3	felt in Palembang and Benkoelen (S.Sumatra).
				iSZE	04 26 23		
				iN	04 26 59		
		Med	Iv	eP?E	04 27 19		faint.
				eN	04 28 20		
				iSE	04 29 03		
320	" 20	Med	IIv	PNE	21 55 23	3.1?	felt in N.Sumatra; type 318
				S?NE	21 54 02		
321	" 20/21	Med	Iu	ePE	23 59 15	58.3?	faint. in minute eclipse.
				S?E	00 07.4		
				LE	00 16		
				LN	00 17		
		Bat	Iu	ePZNE	00 00 15		faint.
				cZ	00 01 00		
				iN	00 01 24		
				eLE	00 21		
				LZN	00 24		
322	" 21	Bat	I	iZ	06 39 08		
323	" 21	Med	I	PE	06 49.5		faint in minute eclipse.
				iE	06 50 25		
				eE	07 01.4		in minute eclipse.
		Bat			06 49.9		faint traces in previous.
324	" 21	Amb	Iv	ePN	15 02 35		time correction uncertain.
				iN	15 02 52		
325	" 23	Med	Iv	eP?N	09 42 08		faint traces.
				eE	09 42 48		
326	" 23	Amb	Iv	iE	11 56 02		
327	" 23	Amb	Ir	ePN	13 03 29	41.0	faint.
				eSN	13 09 48		
				LN	13 20		
				eLE	13 23		faint.
		Bat	Iu	PZ	13 05 45	61.0	
				PNE	13 05 46		
				iPZ	13 05 46		
				iSNE	13 14 10		
				LZ	13 21		
				eLNE	13 24		
				LE	13 28		
		Med	Iu	ePNE	13 07 02	71.2	in strong micros.
				iSNE	13 16 24		
				LNE	13 36		

328	Jun. 26	Bat	IIIv	IPZ	20 27 20	3.9	compression from SW; felt in Lamongsche Districten (S.Sum.) and Bantam (W.Java)
				iPNE	20 27 22		
				iNE	20 27 39		
				iE	20 28 05		
				iSN	20 28 09		
		Mal	v	P	20 27 42	4.7	time correction uncertain.
				i	20 28 16		
				S	20 28 40		
		Med	IIr	ePN	20 29 11	12.3	faint.
				eSNE	20 31 41		faint.
				eE	20 32 51		
				iN	20 33 16		
				eN	20 33.6		in minute eclipse.
329	" 26	Bat	Iv	PZ	20 37 25		aftershock in previous, felt in Bantam (W.Java).
				iZ	20 38 20		
330	" 26	Bat	Iv	ePZ	22 04 29	1.9	
				iSZNE	22 04 53		
331	" 27	Med	IIIv	ePNE	10 48 38	2.6	faint, felt at Paja Toempi (N.Sumatra).
				SE	10 49 11		
				iN	10 49 14		
332	" 27	Bat	Iv	PZ	10 56 16		
				ePE	10 56 18		in micros.
				iN	10 56 56		
				iE	10 56 59		
333	" 27	Mal			15 33		traces.
334	" 28	Mal	v	i	12 20 58		
335	" 28	Mal	v	IP	20 25 11	0.9	felt in Priangan (W.Java).
				iS	20 26 23		
		Bat	Iv	PNE	20 26 18	1.3	
				iPZ	20 26 19		dilatation.
				iSZE	20 26 35		
336	" 29	Bat	Ir	PZ	09 46 11	23.7	
				iSNE	09 50 28		
		Med	Ir	P			in strong micros.
				SE	09 51 35		
337	" 29	Amb	Iv	iNE	17 50 57		
338	" 30	Med	IIIv	ePN	11 04 31	2.2	
				PE	11 04 32		
				SN	11,04 59		
339	" 30	Med	IIIv	PNE	15 37		in hour sign.
				S?E	15 38 06		

CONSTANTS WIECHERT SEISMOGRAPHS.

BATAVIA.

	EW Component			NS Component			Z Component		
	V	T ₀	ξ	V	T ₀	ξ	V	T ₀	ξ
April	226	7.3	3.4	203	7.3	3.3	300	4.5	3.5
May	226	7.3	3.4	203	7.3	3.3	300	4.5	3.5
June	226	7.3	3.4	203	7.3	3.4	300	4.5	3.6

	e ₀ r		e ₀ r		e ₀ r	
	e ₀	r	e ₀	r	e ₀	r
April	1.11	0.64	1.09	0.64	1.17	0.62
May	1.08	0.51	1.10	0.56	1.15	0.54
June	1.09	0.56	1.11	0.74	1.18	0.68

MEDAN.

V	EW Component				NS Component				
	T ₀	ξ	e ₀	r	V	T ₀	ξ	e ₀	r
219	5.2	3.8	1.07	1.0	228	4.3	2.3	1.11	0.9

AMBOINA.

V	EW Component				NS Component				
	T ₀	ξ	e ₀	r	V	T ₀	ξ	e ₀	r
124	3.1	2.7	1.07	0.2	106	3.6	2.7	1.06	0.1

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Batavia, Java.

July - September 1938



Remarks. Reports of Soengei Langka have not been inserted in this Bulletin.

July.

No.	Date	Station	Character	Phase	G.M.T.	Distance	Remarks
340	Jul.1	Med	Iv	PE iN iSNE	19 ^h 26 ^m 41 19 27 11 19 27 22	degrees 5.3	felt at Kampong Air (Simeuloeë).
341	" 3	Bat	Iv				no minute eclipses.
342	" 4	Med	IIv	PNE iSNE	16 14 02 16 14 19	1.3	
343	" 4	Bat	Iu	ePZ iSNE	21 22 55 21 31 22	61.3	
344	" 5	Bat	Iu	iPE iS?NE IZ	02 14 09 02 22 30	60.2?	in strong micros.
		Med	Iu	P?E iN iS?NE	02 15 23 02 23 55 02 25 09	75.7?	no minute eclipses. in strong micros.
345	" 5	Bat	Iu	iN	03 05 48		in previous.
346	" 5	Mal	v	P iS	08 27 47 08 28 00	1.0	
347	" 5	Med	Iv	ePNE iSNE	11 14 30 11 14 56	2.0	
348	" 5	Mal	v	S	14 37 59		
349	" 5	Bat	Iu	ePN PZ iPE iSN iNE	22 17 41 22 17 42 22 17 43 22 26 26 22 42	64.1	

					h m s	degrees	
349	Jul. 5	Med	Iu	ePNE iE eS?E eLNE	22 18.8 22 20 02 22 28 14 22 48	72.4?	faint in minute eclipse.
350	" 6	Bat	Iu	iPZ PNE iSN eLZNE	01 35 02 01 35 05 01 43 41 02 00	63.3	dilatation.
		Med	Iu	P?NE PE PN iN SN iE eLNE LE	01 36 09 01 36 22 01 36 29 01 41 43 01 45 55 01 46 45 02 04 02 11	75.7?	faint.
351	" 6	Bat	Iu	PZ PN SN	09 50 12 09 50 16 09 58 49	63.0	aftershock in strong micros.
		Med	Iu	P?E iE	09 50 45 10 01 55		extremely faint.
352	" 6	Mal	v	i	14 43 43		
353	" 6	Bat	Iv	ePE ePZ	22 02 51 22 02 53		
354	" 7	Med	IIIv	PNE iSNE	15 50 32 15 50 48	1.2	
355	" 7	Bat			16 27		traces.
356	" 7	Bat	I	PNE iN	17 33 39 17 40 33		faint.
	" 8 and 9						swarm.
357	" 9	Med	Iv	PNE iSNE	01 13 26 01 13 41	1.2	
358	" 10	Med	IIIv	ePNE iPNE iE iS?NE iE	12 04 32 12 04 36 12 05 07 12 05 23 12 05 46	4.1	
359	" 11	Amb	Iv	PN			no time correction.
360	" 12	Mal	v	i	03 42 50		
361	" 12	Med	Iv	eP?NE iN SNE	09 00 43 09 01 18 09 01 39	4.6?	
362	" 12	Bat	Iu	iPZ iSN	12 47 36 12 56 03	61.3	time correction uncertain.
363	" 13	Mal	v	i	04 02 03		

					h m s	degrees	
364	Jul. 13	Med	I	ePNE ePE iE iN iN	13 56 50 13 57 16 13 57.9 13 58 13 13 59 20		in minute eclipse.
365	" 14	Amb	Iv	PN SN	08 06 46 08 07 16	2.4	
366	" 15	Amb	Iv	ePNE iSE	07 19 14 07 19 29	1.2	
367	" 15	Mal	v	i i	19 00 09 19 00 15		
	" 16						swarm.
	" 17						swarm.
368	" 17	Mal	v	i	12 30 14		
369	" 17	Mal	v	i	13 01 03		
	" 18						swarm.
370	" 18	Med	Iv	ePNE iSNE	04 22 05 04 22 17	0.9	
371	" 18	Amb	Iv			1.0	iS - P = 15 sec.
372	" 20	Bat	I	iE	00 46 53		traces.
373	" 20	Med	I	iNE	12 04 16		faint traces.
374	" 20	Bat	Iv	P?Z iE iN	17 46 48 17 51.2 17 51 30		felt at Bringsing (C. Java). in minute eclipse.
375	" 21	Med	Iu	PE iSNE	09 20 34 09 28 34	56.8	
376	" 22	Bat	I	iZNE	00 38 30		faint in micros.
377	" 22	Bat	Iv	iP?E iN iS?E	01 34 46 01 35 19 01 36 31	8.3?	faint in micros.
378	" 22	Bat	I	ePNE iN	02 00 21 02 01 10		faint in micros.
379	" 22	Bat	Iv	PE iN iS?NE	02 38 36 02 38 55 02 39 33	4.7?	
380	" 22	Bat	Iv	ePE iSE	02 54 59 02 56 18	6.1	
381	" 22	Bat	I	PE iE iZN	03 31 31 03 32 28 03 32 54		

					h m s	degrees	
410	Aug. 5	Mal	v	i	22 04 46		
411	" 7	Bat	I	P?NE	01 17 20		faint.
412	" 7	Amb	Iv	ePNE SNE	19 29 20 19 29 43	1.8	
413	" 8	Amb	Iv	iPNE S?E SNE iE	09 36 11 09 36 47 09 36 52 09 37 05	3.3	
414	" 9	Med	Iv	ePE iN	04 52 59 04 53 29		
415	" 10	Med	IIIv	eP?E PNE iN iSNE	04 49 43 04 49 48 04 50 28 04 50 32	3.9?	
416	" 11	Amb	Iv	PNE SN	15 38.2 15 38 54	3.1	in minute eclipse.
417	" 12	Bat	I	P?Z eP?E iE	04 16 55 04 17 01 04 18 46		in strong micros.
418	" 12	Amb	Iv	PNE SNE	22 02 38 22 02 40		
419	" 12	Bat	Iv	PZ S?ZN	23 50 54 23 51 21	2.1	dilatation.
		Mal	v	P S	23 51 06 23 51 44	3.0	
420	" 14	Med	I	eP iN	12 47 12 48 20		in micros.
421	" 15	Med	I	iE	02 30 53		faint.
422	" 16	Amb	Iv	PE	01 59 14		
423	" 16	Med	IIIr	iPNE iSE	04 32 27 04 36 08	19.7	NS pen thrown off.
		Bat	IIr	PZ PN PE iSNE iE BLZ LZ	04 34 18 04 34 19 04 34 21 04 39 22 04 44 00 04 48 04 54	29.7	
		Amb	Ir	ePE iE SE	04 35 43 04 36 07 04 41 59	40.5	faint.
424	" 16	Med	Ir	eP?E S?E	06 08 20 06 11 57	19.2?	in previous; aftershock?
425	" 17	Amb	Iv	ePNE SN SNE	11 29 38 11 29 54 11 29 58	1.6	

					h m s	degrees	
426	Aug. 18	Amb	Iv	eP?N SE	04 02 17 04 02 39	1.7?	
427	" 18	S.L Bat	v IIIv	iPZ	09 31 19	2.8 4.7	S - P = 33 sec. deep focus; strong dilatation from WNW, Azimuth 295°, pens thrown off. Felt in Sum. West Coast, Palembang and Benkoele (S. Sumatra). Provisional epicentre 102.8°E, 3.8°S; O = 09 ^h 30 ^m 11 ^s ; h = 150 km. S _E - P _E = 52 sec. (Bosch).
		Mal	v	iP iS	09 31 32 09 32 32	5.9	
		Med	IIIv	iPNE S?NE	09 32 09 09 33 49	8.4	pens off.
		Amb	Ir	P?N iSN	09 35 28 09 39 57	25.4	in micros.
428	" 18	Bat	Ir	iPZ PNE SN	19 14 10 19 14 10 19 20 20	39.1	
429	" 18	Amb		iNE	22 21 57		traces.
430	" 19	Amb	Iv			3.8	S - P = 47 sec.
431	" 19	Med	Iv	PN iE SNE iE	22 37 47 22 38 03 22 38 30 22 38 39	3.4	
432	" 20	Med	Iv	P?E PN iS?N iN	04 18.9 04 19 01 04 19 42 04 20 33	3.9?	faint in minute eclipse. faint.
433	" 20	Amb	Ir	PN eE iE	05 06 35 05 10 55 05 13 18		
		Bat	Ir	P?ZE S?NE LZE	05 10 54 05 15 33 05 21	26.5?	
		Med	Ir	eP?E iE	05 13 18 05 17 51		faint.
434	" 20	Amb	Ir	PNE SN	08 35 54 08 39 53	21.7	
		Bat	Ir	iPZ PE iE iZ	08 39 09 08 39 10 08 40 41 08 41 05		
		Med	Iu	eP?E PN S?NE iE	08 40 05 08 40 23 08 47 26 08 47 40	50.7?	
435	" 21	Amb	Iv	ePNE iN	20 23 49 20 24 13		

					h m s	degrees	
436	Aug. 21	Amb	Iv	PN iN	20 28.7 20 29 03		in minute eclipse.
437	" 22	Mal	v	iP iS	00 15 14 00 15 31	1.3	felt in Priangan (W. Java).
		Bat	IIv	iPZ PNE iSNE	00 15 15 00 15 15 00 15 37	1.7	
438	" 22	Med	I	eP?E iE iE eN iN	21 46 03 21 49 34 21 55 24 21 55.9 21 56 29		in minute eclipse.
439	" 22	Amb	Iv	PE SNE	23 45 14 23 45 43	2.3	
440	" 23	Bat	Iv	PZ ePE iZ SN	04 40 52 04 40 53 04 41 47 04 41 51	4.8	faint, felt at Liwa (S.Sum). faint in micros.
441	" 23	Med	Ir	eP?E S?E eSNE	08 27 06 08 32 50 08 33 29	41.6?	in strong micros.
		Bat	I	iE	08 37 01		faint traces.
442	" 23	Mal	v	i	15 19.7		in minute eclipse.
443	" 23	Med	Iv	eP?E ePN iN	18 32 15 18 32 29 18 34 10		in micros. faint.
444	" 23	Med			22 50		traces.
445	" 24	Amb	Ir	iPN iSN	15 46 23 15 48 36	10.7	felt on Soemba.
		Bat	Ir	ePNE iSN	15 46 54 15 49 47	14.6?	
		Med	IIr	iPNE iSE iN iN	15 49 07 15 53 39 15 53 59 16 01 45	25.5	in micros
446	" 25	Bat	IIIv	iPZ iPNE iN SNE	01 29 29 01 29 30 01 30 00 01 30 26	5.1	Deep focus. Dilatation; felt in Palembang and Benkoelen (S.Sumatra). Pens off. Epicentre near 101.9 E, 4.8 S O = 01 ^h 28 ^m 15 ^s ; h = 100 km. Soengei Langka S - P = 40 sec.
		Mal	v	P iN iSNE	01 29 43 01 30 46 01 30 51	6.1	
		Med	IIIv	iPNE iE iN iSNE	01 30 25 01 31 17 01 32.0 01 32 21	8.9	in micros, pens thrown off. in minute eclipse.

					h m s	degrees	
447	Aug. 26	Amb	Iv	PNE	03 33 34		
448	" 27	Mal	v	P	10 21 13	2.9	felt in Central Java and on Noesakambangan.
		Bat	v	iS iE iNE	10 21 50 10 22 34 10 22 43		faint traces.
449	" 27	Med	Iv	ePNE S?N S?E	23 30 18 23 30 49 23 30 54	2.5	faint in micros.
450	" 29	Bat	Ir	iE	15 14 25		faint traces in micros, felt in Central Celebes.
451	" 29	Amb	Ir	ePN iPNE iE SNE iE LE LN	15 25 57 15 26 03 15 26 10 15 29 13 15 30 07 15 31 15 32	16.3	
		Bat	IIIr	iPE iPM iSNE LE LN	15 27 55 15 27 56 15 32 21 15 42 15 44	24.9	
		Med	IIIr	ePE iPE iN LNE	15 28 01 15 28 08 15 33 44 15 38		
452	" 30	Med	I	eP?NE iE	04 36 16 04 38 12		faint traces.
453	" 30	Mal	v	i	10 24 51		
454	" 30	Amb	Iv				no minute eclipses.
455	" 30	Bat	IIr	ePNE iE iE iE	11 56 22 11 56 56 11 58 28 11 59 04		
		Med	IIIr	PNE iN iE iSNE	11 57 59 11 58 13 12 04 41 12 04 46	45.4	
		Amb	Ir	L		17.6	no minute eclipses; S - P = 3 ^m 22 ^s
456	" 30	Mal	d	iP	15 12 09	1.2	pen thrown off; felt in Bant and Priangan (W.Java).
		Bat	IIIv	iS iPZNE iSE iN	15 12 24 15 12 17 15 12 36 15 12 56	1.5	dilatation



					h m s	degrees	
473	Sep.14	Mal	d	iP	01 53 23	1.0	felt in Priangan (W.Java).
		Bat	IIv	iS ePE iPZ iZ iSNE	01 53 36 01 53 33 01 53 34 01 53 38 01 53 55	1.7	dilatation.
474	" 14	Med	I	ePN	09 07 52		traces.
475	" 16	Mal	v	iS	10 53 40		
476	" 16	Mal	v	i	12 27 15		
477	" 17	Mal	v	i	05 10 27		
478	" 18	Med	IIv	ePE PN iSNE	20 36 55 20 36 57 20 37 27	2.5	
479	" 19	Mal	v	eP iS	11 26 49 11 27 12		
		Bat	Iv	P iSE iE	11 27 39 11 28 14		in micros.
480	" 20	Bat	I	iE iE	13 56 22 13 56 39		traces.
481	" 20	Med	I	PE iS?E SNE	15 52 0 15 52 33		in micros. in minute eclipse.
482	" 21	Bat	Iv	PZNE	09 33		in hour sign
483	" 21	Med	Iu	P?NE S?NE S?NE eLE	19 01 02 19 07 55 19 08 39 19 19		in strong micros.
		Bat	Iu	iPZ ePE iPNE iSNE eLZ eLE	19 01 22 19 01 22 19 01 23 19 08 48 19 21 19 23	53.1	
484	" 22	Med	Iv	iNE	20 33 00		faint.
485	" 25	Mal	v	i			no time correction.
486	" 25	Bat	I	ePZE iE	20 23 58 20 33 25		in micros.
487	" 25	Mal	v	P iS	21 43 43		dubious.
		Bat	Iv	iPZ iSZNE	21 43 54 21 44 10	1.3	
488	" 25	Bat	Iv	ePE ePZ iSZNE	23 58 56 23 58 59 23 59 22	2.0	in micros, felt in Cheribon (W,Java).

					h m s	degrees	
489	Sep.26	Med	Iv	PE PN S?NE iE	05 02 05 02 43 05 03 39 05 04 09	4.6?	in strong micros.
490	" 26	Med	IIIv	ePN S?NE	09 43 10 09 44 33	6.5?	in micros.
		Bat	I	eZ eN eE SE iN	09 46 59 09 47 02 09 47 04 09 47 59 09 48 22		in micros. in micros. in micros.
491	" 27	Bat	Iu	ePZNE iPZ eS?N eS?E	02 42 58 02 43 00 02 52 04 02 53 01		in micros. traces in strong micros.
492	" 27	Med	I	eP?N	10 23 04		in micros.
		Bat	I	ePNE ePZ eS?N eLZE	10 23 44 10 23 46 10 29 50 10 43		in micros.
493	" 28	Med	I	iE	18 22 40		
		Bat	I	eP?Z eP?E eNE iN	18 23 16 18 25 18 18 24 08 18 33 10		
494	" 28	Med	Iv	ePNE iN	21 00 19 21 00 28		in micros.
495	" 29	Med	IIv	PN SE iSN iSN iE PNE iE iN	00 51 19 00 52 39 00 52 43 00 52 47 00 52 51 00 52.6 00 54 15 00 54 33		traces in minute eclipse.

CONSTANTS WIECHERT SEISMOGRAPHS.

BATAVIA.

	EW Component			NS Component			Z Component		
	V	T ₀	ξ	V	T ₀	ξ	V	T ₀	ξ
July	226	7.3	3.4	203	7.4	3.4	300	4.4	3.5
August	226	7.3	3.3	203	7.4	3.4	300	4.4	3.7
September	226	7.2	3.4	203	7.3	3.4	300	4.5	3.6

	e ₀ r		e ₀ r		e ₀ r	
	e ₀	r	e ₀	r	e ₀	r
July	1.09	0.58	1.09	0.73	1.14	0.26
August	1.09	0.63	1.08	0.47	1.14	0.37
September	1.10	0.65	1.08	0.44	1.13	0.35

MEDAN.

V	EW Component				r	V	NS Component				r
	T ₀	ξ	e ₀	r			T ₀	ξ	e ₀	r	
219	5.2	3.8	1.07	1.0	1.0	228	4.3	2.3	1.11	0.9	

AMBOINA.

V	EW Component				r	V	NS Component				r
	T ₀	ξ	e ₀	r			T ₀	ξ	e ₀	r	
124	3.1	2.7	1.07	0.2	0.2	106	3.6	2.7	1.06	0.1	

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October - December 1938



Remarks. Reports of Soengei Langka have not been inserted in this Bulletin. The seismograph at Amboina was still out of working order.

October.

No.	Date	Station	Character	Phase	G.M.T.			Distance	Remarks
					H	m	s		
496	Oct. 4	Bat	I	E	08	33		traces.	
497	" 4	Bat	IIv	PZNE	22	30	17	4.4?	faint in strong micros, felt in Palembang and Benkoelen (S. Sumatra).
		Mal	v	S?NE	22	31	11		
				ePN	22	30	30	5.3	dubious.
		Med	IIIv	iSN	22	31	37		
				PE	22	31	10	8.6	in micros.
				ePN	22	31	11		
				SN	22	32	59		
				iNE	22	33	06		
498	" 4/5	Mal	v	PN	23	57	25		felt in East Java.
				iNE	23	57	34		
				iN	23	57	37		
		Bat	Iv	PZ	23	57	33	6.4	faint in micros.
				PE	23	57	35		faint in micros.
				iSZNE	23	58	55		
				iE	23	59	02		
				iE	00	08	19		
		Med	Ir	PE	23	59	26	17.3	faint in micros.
				SNE	00	02	45		
				iN	00	10	24		
				iE	00	10	37		
499	" 6	Mal	v	PNE	18	00	25	0.8	felt at Simpang (W. Java).
				iSNE	18	00	36		
500	" 7	Bat	Ir	ePZE	00	56	23	21.4	in micros; felt in Manado (NE Celebes) and on Tidore and Halmaheira (Moluccas).
				iE	01	00	07		
				iSN	01	00	19		
				eLZ	01	07			

				h	m	s	
517	Oct.12	Med	Iu	PNE			in change of papers.
				iSNE	00	51 45	
				LN	01	03	
				LE	01	04	
		Bat	Iu	iPZE	00	44 28	56.2 faint in micros.
				iSNE	00	52 24	
				eLZ	01	12	
				LZ	01	18	
518	" 13	Med	Ir	PNE	15	32 30	31.3
				iE	15	37 10	
				SE	15	37 46	
				iE	15	42 27	
				iE	15	49 06	
		Bat	Ir	iPNE	15	33 05	
519	" 14	Mal	v	iPL	22	26 19	0.8 felt at Goenoeng Besser (W.Java)
				iPN	22	26 21	
				SNE	22	26:5	in minute eclipse.
		Bat	Iv	iPZ	22	26 34	1.5
				iPE	22	26 35	
				iSNE	22	26 53	
520	" 16	Mal	v	P?E	20	28 16	0.8?
				iSNE	20	28 26	
521	" 17	Mal	d	iPN	03	58 09	pens thrown off immediately.
522	" 18	Med	Iv	iNE	09	44 48	faint.
523	" 18	Mal	v	ePE	13	57 37	0.7
				iSNE	13	57 46	
524	" 19	Bat	Iv	iPZ	03	44 36	1.8 felt in Bantam (W.Java).
				iSNE	03	44 59	
		Mal	v	ePNE	03	44 41	2.0
				iSNE	03	45 06	
525	" 19	Med	Iu	PN	04	21 50	45.9
				ePE	04	21 51	
				SNE	04	28 40	
				iNE	04	40 35	
		Bat	Iu	iPE	04	23 21	57.5
				PZ	04	23 24	in micros.
				SE	04	31 25	
				LE	04	45	
				LZN	04	46	
526	" 19	Mal	v	PNE	14	16 54	1.3 time error?
				iSNE	14	17 11	
		Bat	Iv	PE	14	16 57	1.3
				iSNE	14	17 14	
527	" 20	Mal	r	PN	02	25 00	15.3? felt on the Lesser Soenda Island
				S?NE	02	26 00	
		Bat	IIIr	iPZNE	02	23 18	16.5 compression from ESE.
				S?E	02	26 22	
				iSZNE	02	26 30	
		Med	IIIr	ePNE	02	25 05	20.5

				h	m	s	
527	Oct.20	Med	IIIr	ePNE	02	25 05	26.5
	(Cont.)			iPNE	02	25 09	
				iNE	02	27 49	
				iN	02	29 36	
				iSE	02	29 44	
528	" 20	Mal	r	iNE	02	35 03	aftershock in previous; felt on the Lesser Soenda Islands.
		Bat	IIr	iN	02	35 16	in previous.
				iZ	02	35 40	
							several aftershocks.
529	" 20	Bat	Ir	P?NE	09	56 42	faint in strong micros; felt on Flores (E. of Java)
				iN	09	58 20	
				eN	09	58 26	
				eE	09	58 32	
				iN	10	00 29	
				iE	10	01 39	
				iN	10	08 40	
		Med	Ir	PNE	09	58 49	faint.
				eN	10	07 53	
				iN	10	09 13	another shock?
				eE	10	11 49	
530	" 21	Med	Ir	P?NE	06	54 17	41.7? in micros.
				iSE	07	00 41	
		Bat	Iu	PZ	06	54 54	47.0 in micros.
				iZ	06	55 00	
				SNE	07	01 51	
531	" 21	Med	IIIv	PE	10	45 40	2.8 felt in Atjeh (N.Sum.).
				iSNE	10	46 15	
				iE	10	46 46	
532	" 21	Med	Ir	iPE	20	30 47	32.6
				iN	20	31 00	
				iSE	20	36 12	
				iN	20	39 27	
				eLE	20	40	
				LN	20	41	
		Bat	Ir	PZ	20	32 05	41.1
				ePN	20	32 07	
				iPZE	20	32 08	compression from WNW.
				iSN	20	38 25	
533	" 23	Med	Iu	iPE	15	11 32	58.9
				iPN	15	11 34	
				iSE	15	19 45	
				SN	15	19 47	
				eLNE	15	33	
		Bat	Iu	iPZE	15	12 06	63.7 dilatation.
				SNE	15	20.8	faint in minute eclipse.
				eLZE	15	35	
534	" 24	Mal	v	PNE	22	16 12	1.4
				SNE	22	16 30	
		Bat	Iv	PZE	22	16 36	2.6
				iPZ	22	16 39	
				iSN	22	17 12	
				iE	22	17 28	

				h	m	s			
535	Oct.25	Mal	d	iPNE	00	02	48	1.3	felt in W. Java.
				iSN	00	03	05		
		Bat	IIIv	iPZNE	00	02	56	1.9	dilatation from SSW; Z pen thrown off. Azimuth 95°. Deep focus?
				iNE	00	03	11	11	
				iNE	00	03	14		
				iSNE	00	03	20		
		Med	Ir	iN	00	10	35		
536	" 25	Bat	Ir	PZ	02	37	45	14.4	in micros, felt at Poso (C.Celebes).
				iSE	02	40	36		
537	" 25	Med	IIv	iPN	13	07	36	4.8	i 1
				iNE	13	07	44		
				iSE	13	08	38		
				iN	13	08	51		
538	" 26	Med	IIIr	eP?NE	03	32	13	24.7?	
				iPNE	03	32	20	23.9	
				iSNE	03	36	38		
				iN	03	37	40		
				iNE	03	38	39		
		Bat	Ir	iPZE	03	33	57		
				iE	03	43	32		
				iE	03	46	03		
539	" 27	Med	Iv	ePNE	05	10	19	2.5?	dubious in micros.
				iS?N	05	10	50		
540	" 27	Med	Iv	ePN	22	44	13	1.7	felt at Blang Sentang(N.Sum.).
				iSN	22	44	35		
541	" 28	Med	Iv	P?E	22	49	44		in micros.
				iE	22	50	11		
542	" 28	Med	IIIv	eP?E	22	53	31		dubious in previous.
				P?E	22	53	39		
				iPN	22	53	43	4.0	in previous.
				iSNE	22	54	32		
		Bat	Ir	ePZ	22	55	49		faint in micros.
				eE	22	59	01		
				iE	23	00	05		
543	" 29	Med	Iv	PNE	00	36			in hour mark.
				iE	00	38	19		
544	" 29	Med	Iv	ePNE	01	27	05	3.2?	aftershock.
				iS?NE	01	27	45		
545	" 29	Med	Iv		06	06	59		traces.
546	" 29	Med	Iu	ePE	13	17	27	48.3	dubious.
				eSE	13	24	32		
				iE	13	25	43		
		Bat	Iu	ePNE	13	17	40	51.1	in micros.
				iSN	13	25	04		

					h	m	s		
547	Oct.29	Mal	v	PN	22	54	59	6.7	felt in East Java, on Bali and Lombok
				iPE	22	55	00		
				iSNE	22	56	24		
		Bat	IIIv	iPZNE	22	55	15	7.5	dilatation from ESE
				iN	22	56	18		
				SN	22	56	50		
				iZNE	22	57	47		
		Med	IIIr	iPNE	22	57	41		in micros.
				iSN	23	01	20	19.5	
				iSE	23	01	28	20.3	
548	" 30	Mal	v	PNE	08	19	28	3.4	felt on Java and Bali.
				iSNE	08	20	11		
		Bat	IIv	eP?Z	08	19	47	4.7?	in micros.
				ePZN	08	19	53		faint.
				SNE	08	20	44		
				iZ	08	20	58		
				iE	08	21	36		
		Med	Ir	ePE	08	22	51		
				PE	08	23	07		
				iPN	08	23	08		
				iNE	08	29	28		

November.

549	Nov. 1	Mal	v	iNE	12	16	53		
550	" 1	Mal	v	iNE	19	59	21		
551	" 1	Mal	v	PNE	20	53	49	0.8	
				iSNE	20	54	00		
552	" 3	Med	I	ePE	07	05	19		
				iE	07	05	42		
553	" 4	Bat	IIv	PZ	15	21	30	2.6	felt at Kota Agoeng (S.Sum.). Soengei Langka: S - P = 10 sec. Distance 0.7°.
				PNE	15	21	34		
				SNE	15	22	03		
				iSNE	15	22	07		
		Mal	v	eF	15	21	48		traces.
				eE	15	22	42		
554	" 5	Med	Iv	ePNE	00	33	05	1.2	
				iSNE	00	33	21		
555	" 5	Med	IIIu	PNE	08	52	33	51.7	
				iE	08	52	41		
				iN	08	52	45	53	
				iE	08	53	56		
				iNE	08	58	36		
				iSE	08	59	57		
				SN	09	00	00		
				eLN	09	05			

				h m s							
555	Nov. 5 (Cont.)	Bat	IIIu	iPZ	08 52 47	53.7	dilatation. in micros.				
				PNE	08 52 49						
				iSNE	09 00 27						
				eLE	09 09						
				eLN	09 11						
		Mal	u	LE	09 15	strong strong					
				LN	09 16						
				PN	08 53 02						
				iE	08 53 08						
				eN	09 00 29						
eLN	09 10										
556	" 5	Med	IIIu	iPE	10 59 31	52.0	masked by the previous one.				
				PN	10 59 33						
				SN	11 07 00						
		Bat	IIIu	PNE	10 59 45	53.4	in previous. Two shocks, interval 22 sec. strong.				
				iNE	11 00 07						
				SNE	11 07 23						
				i(S)NE	11 07 45						
				LNE	11 23						
		557	" 6	Med	IIIu	ePE	09 02 52	52.0	preliminary tremor. in strong micros. preliminary tremor in strong micros.		
						ePN	09 02 59				
iPNE	09 03 16										
iE	09 03 23										
SE	09 10 45										
Bat	IIIu			iPZ	09 03 23	53.1	compression from NNE. strong. strong.				
				iPNE	09 03 24						
				iSNE	09 10 59						
				LZ	09 22						
				LE	09 24						
Mal	u	ePNE	09 03 29	53.4	extremely faint.						
		iN	09 03 58								
		eE	10 11 04								
		558	" 6			Bat	Iu	PZ	17 28 41	53.4	extremely faint.
								eSNE	17 36 19		
559	" 6	Med	Iu	PE	21 13 29	53.1	faint in micros. in micros.				
				iS?N	21 21 28						
		Bat	Iu	PZ	21 13 21						
				PN	21 13 25						
				SN	21 20 57						
				560	" 6			Med	IIIu	PNE	21 48 06
iPN	21 48 11										
iPE	21 48 14										
iE	21 55 19										
iSNE	21 55 30										
Bat	IIu	ePNE	21 48 09			52.8	strong. strong.				
		PZN	21 48 12								
		iPE	21 48 17								
		SN	21 55 46								

				h m s									
561	Nov. 7	Med	Iu	iPNE	00 56 50	52.0?	in micros.						
				PE	00 57 18								
				S?E	01 04 47								
				eL?NE	01 23								
				PZ	00 57 24								
		Bat	Iu	SNE	01 05 00	53.1	in micros.						
				562	" 7			Med	Iu	iP?N	01 47 43	51.8?	in micros.
										iS?N	01 55 10		
										iE	01 56 14		
										eLE	02 07		
LNE	02 10												
Bat	Iu	ePZ	01 47 51	53.2	extremely faint.								
		SNE	01 55 28										
		563	" 7			Med	Iu	P?E	04 25 06	52.0?	dubious in strong micros.		
								SE	04 32 35				
								iN	04 34 44				
Bat	Iu			PN	04 25 11			53.2	dubious in micros.				
				SN	04 32 49								
		564	" 7	Bat	Iu	PZ	19 21 56			54.0	faint in micros.		
						SNE	19 29 38						
						565	" 7					Med	Iu
P?E	19 42.9												
iPZNE	19 43 01												
iSN	19 50 42												
566	" 9	Med	Iu	PNE	09 25 05			50.9	dubious in micros.				
				iSNE	09 32 27								
				Bat	Iu	iPZ	09 25 21			52.7	dilatation. in minute eclipse.		
						SNE	09 32.9						
						567	" 9					Mal	v
iSNE	18 02 36												
568	" 10	Med	Iu					P?E	10 55 14				
				iE	11 00 36								
				S?E	11 02 15								
				S?N	11 02 19								
				P?Z	10 55 29								
Bat	Iu	iS?E	11 02 50										
		569	" 10	Med	IIIu	PN	20 32 17	99.1	in micros.				
						PE	20 32 18						
						iE	20 35 13						
						iN	20 37 01						
iSN	20 43.9												
Bat	IIIu	LE	21 01	52.8	strong. strong.								
		ePZ	20 32 18										
		LN	21 00										
		LZN	21 05										
		LE	21 06										
570	" 11	Med	Iu	P		52.8	too faint						
				iN	01 21 37								
				eLNE	01 52								
				Bat	Iu			i	01 14	52.8	traces.		



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					h m s		
571	Nov.11	Med	IIIv	PN	19 23 39	5.6	in micros, felt in Sum. W. Coast and Benkoelen (Sumatra). in micros.
				PE	19 23 42		
				iN	19 24 39		
				SNE	19 24 51		
				iE	19 25 29		
		Bat	Iv	ePE	19 24 12	8.1	in micros.
				iSN	19 25 55		
				iE	19 26 05		
572	" 12	Mal	r	ePE	06 10 49	18.6	
				iE	06 13 59		
				iSE	06 14 20		
		Bat	Ir	PZE	06 10 53	19.0	compression. Felt on the Lesser Soenda Islands.
				ePN	06 10 55		
				iN	06 14 12		
				iSNE	06 14 28		
		Med	Ir	P?E	06 13 07		
				iSE	06 17 37		
				iN	06 19 11		
573	" 12	Bat	I	iNE	06 22 42		in previous.
574	" 12	Bat	Iu	ePNE	15 00 56	66.8	
				iSE	15 09 55		
				eSN	15 10 06		
		Med	Iu	PE	15 01 14	70.4	
				iE	15 07 39		
				SN	15 10 32		
				eLE	15 26		
575	" 13	Mal	v	PNE	03 46 56	0.8	felt in Priangan (W.Java).
				iSNE	03 47 06		
576	" 13	Bat	Ir	PZ	04 58 45	27.0?	dilatation.
				iPZ	04 58 47		
				PNE	04 58 48		
				iPNE	04 58 50		
				iN	05 03 16		
				iS?N	05 03 28		
		Med	Ir	iPE	04 59 16		
				PN	04 59 12		
				iN	05 04 53		
				iE	05 05 05		
577	" 13	Med	Iu	PNE	13 23 58	61.3	uncertain in micros.
				SNE	13 32 25		
		Bat	Iu	PNE	13 24 08	62.0	in micros.
				eSE	13 32 39		
578	" 13	Mal	v	PNE	16 22 48	1.2	
				iSNE	16 23 04		
579	" 13	Med	IIu	PE	22 40 46	51.2	
				iSE	22 48 10		
				iE	22 49 05		
				L?E	23 02		
				L?N	23 05		

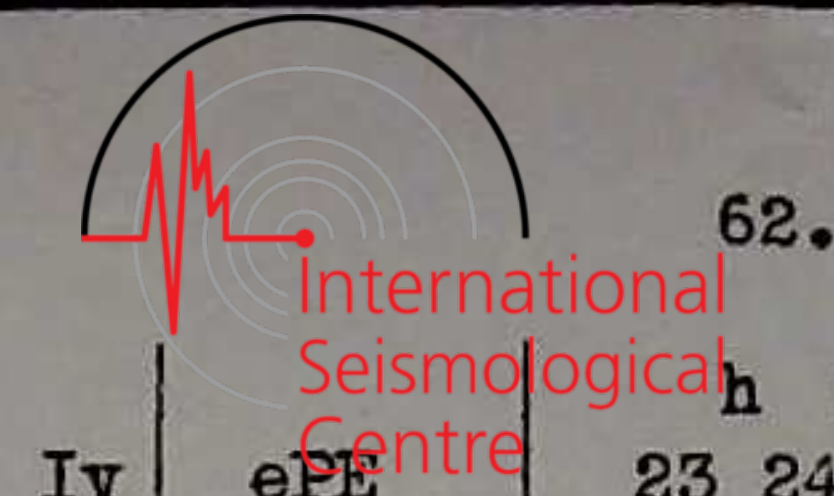
					h m s		
579	Nov.13	Bat	Iu	PZ	22 40 54	53.4	
	(Cont.)			eSN	22 48 31		
				SE	22 48 40		
				LZ	23 09		
580	" 13	Mal	v	ePNE	23 37 37	11.0	felt in West and Central Java.
				iSE	23 37 50		
				iSN	23 37 53		
581	" 14	Bat	I	PNE	12 15 05		faint in micros.
				iN	12 20 33		
				LE	12 32		
		Med	Iu	ePNE	12 16 02		extremely faint.
				PNE	12 16 37	49.0?	faint in micros.
				iN	12 17 04		
				eS?NE	12 23.8		in minute eclipse.
				iE	12 24 09		
				eLE	12 38		
				LN	12 39		
582	" 14	Bat	IIIv	PNE	12 39 57	2.6	in previous, felt in S.Sumatra Soengei Langka: S-P=15 sec. Distance 1.1°.
				SNE	12 40 29		
				iN	12 40 33		
				iNE	12 40 36		
				iNE	12 40 41		
		Mal	v	iPE	12 40 16		
				iNE	12 40 53		
				iE	12 41 13		
		Med	Ir	P?E	12 42 15		faint in previous.
				SE	12 44 25	10.5?	
				SN	12 44 33	11.2?	
583	" 15	Med	Iv	iPN	10 31 57		
584	" 15	Bat	IIIv	iPZNE	21 02 21	6.5	strong dilatation, felt in Central and S.Sumatra. strong; azimuth 283°. Soengei Langka: S-P=64 sec. distance 4.9°
				iPNE	21 02 22		
				iSNE	21 03 44		
				iZNE	21 03 50		
		Med	IIIv	eP?NE	21 02 17		
				iPNE	21 02 25	6.9	
				iSN	21 03 53		
				iE	21 04 03		
		Mal	v	iPNE	21 02 36	7.7	
				iSNE	21 04 14		
585	" 16	Med	Iu	PE	11 17 11	51.0?	too faint in micros. dubious in micros.
				eP?N	11 24 34		
				eSN	11 24 34		
		Bat	Iu	iPZE	11 17 34	53.5?	
				iPN	11 17 36		
				eS?NE	11 25 31		
586	" 17	Mal	v	iNE	02 13 17		

				h m s			
587	Nov.17	Med	Iu	ePNE	04 08 17		in strong micros.
				iNE	04 18 41		
				eSE	04 19 50	98.4	
				iSE	04 20 01	101.3	
				eLNE	04 35		
				LE	04 43		
				LN	04 44		
		Bat	Iu	PNE			in strong micros, faint minute eclipses.
				ePZ	04 08 24		extremely faint.
				iNE	04 12 02		
				iN	04 18 58		
				SE	04 20 06	100.7	
				iSE	04 20 10	101.8	
				eLZ	04 37		faint.
				eLNE	04 42		faint.
				LZ	04 43		
				LN	04 45		
588	" 18	Mal	v	PE	12 17 47	0.4	
				ePN	12 17 48		
				iSNE	12 17 53		
589	" 18	Bat	Iu	P?E	14 22 13	54.2?	dubious in micros.
				SNE	14 29 56		
		Med	Iu	P?N	14 23 08	65.6?	uncertain in micros.
				eNE	14 24 22		
				SNE	14 32 00		
				iN	14 33 49		
590	" 18	Med	Ir	PNE	15 36 41	20.6	faint.
				iPNE	15 36 45		
				SE	15 40 30		
		Bat	Ir	PNE	15 36 51		faint traces.
591	" 20	Bat	Ir	P?Z	18 02 40	24.3	in micros.
				PNE	18 02 44		in micros.
				iSNE	18 07 01		
		Med	Ir	PE	18 04.5	35.0?	in minute eclipse.
				iE	18 08.5		in minute eclipse.
				iS?E	18 10 12		
592	" 20	Med	Iv	iPE	21 45 59		felt on Breueh Island.(N.Sum.).
				iN	21 46 16		
593	" 20	Bat	IIIv	iPZNE	22 19 12	1.3	dilatation; felt in W. Java.
				iSZNE	22 19 29		NS pen thrown off.
		Mal	d	iPNE	22 19 24	2.2	
				iSNE	22 19 51		
		Med	Ir	eP?N	22 21 36		faint.
				iSNE	22 26 21		
594	" 21	Med	IIIr	PNE	01 17 08	26.0	in micros.
				iSNE	01 21 43		
				iN	01 23 04		
		Bat	Ir	PZNE	01 18 47	36.4	
				SE	01 24 36		
				SN	01 24 38		
				iE	01 25 17		

				h m s			
595	Nov.21	Med	I	ePN	07 05 03		faint.
596	" 21	Mal	v	ePNE	09 05 59	6.9	
				iSNE	09 06 11		
597	" 21	Mal	d	iPNE	09 06 42	0.8	felt in Priangan (W.Java).
				iSNE	09 06 53		
		Bat	Iv	iPZE	09 06 53	1.7	
				iSNE	09 07 15		
598	" 21	Mal	v	iNE	10 34 48		
599	" 22	Med	IIu	iPNE	01 23 15	51.5	
				iSNE	01 30 41		
		Bat	IIu	iPZ	01 23 26	52.7	
				iPNE	01 23 30		
				iSN	01 31 00		
				SE	01 31 03		
		Mal	u	iN	01 26 42		
				iN	01 32 07		
600	" 22	Mal	v	iNE	16 05 29		
601	" 25	Bat	Iu	iP?E	08 29 57	52.4?	in micros.
				SE	08 37 29		
				iNE	08 45 06		
		Med	Iu		08 54		traces of rather long waves.
602	" 25	Bat	Iv	PE	09 03 29		in micros; felt at Goenceng Raja (S.Sumatra).
				iN	09 05 00		
		Mal	v	iNE	09 04 47		
603	" 25	Bat	Ir	PN			too faint; felt in Central Celebes.
				iPE	22 00 52	15.4	
				iSNE	22 03 53		
		Med	Ir	PE	22 02 40	25.0?	faint.
				ePN	22 02 42		in minute eclipse.
				iNE	22 06.3		
				iN	22 06 26		
				iSEE	22 07 14		
				iN	22 08 50		
				iN	22 12.3		in minute eclipse.
				iN	22 13 56		
604	" 25	Med	Iv	ePNE	23 02 50	3.5?	in micros; felt at Sigli and on Breueh Island (N.Sumatra).
				PN	23 02 56		
				iE	23 03 01		
				iS?N	23 03 33		
				iNE	23 04 02		
605	" 25	Bat	Iv	P?E	23 14 53		
				iNE	23 15 02		
		Med	I	P?N	23 14 58		faint traces.
606	" 26	Bat	Iv	PE	12 42 03	4.8	felt in Palembang and Benkoelen (S.Sumatra.)
				iNE	12 42 19		
				iSN	12 43 05		
				iE	12 44 06		

					h	m	s	
629	Dec. 7	Med	Iu	P?E	13	13	31	traces.
		Bat	Iu	iN	13	15	01	
				PZ	13	13	53	55.3
				SNE	13	21	43	
630	" 7	Bat	Iu	PZ	13	32	24	45.7 faint in previous.
				iPE	13	32	27	
				SNE	13	39	13	
				eLZ	13	45		
				LZE	13	48		
				LN	13	50		
		Med	Iu	ePN	13	33	36	54.3 faint.
				iPE	13	33	37	
				iSE	13	41	20	
				iN	13	41	48	
				LE	13	58		
631	" 7	Mal	v	iNE	14	40	03	
632	" 7	Med	I	ePE	15	07	01	
				iPN	15	07	04	
				iN	15	12	05	
		Bat	I	PZN	15	07	26	
				iE	15	17	10	
633	" 8	Med	I	ePE	21	56	55	
				iN	21	57	02	
				iE	21	57	20	
				iN	21	57	40	
634	" 9	Med	I	P?NE	05	08	8	faint traces in minute eclipse,
		Bat	I		05	09	13	traces.
635	" 11	Bat	I	PZ	04	20	39	
				iN	04	26	35	
		Med	I	P?E	04	21	55	faint traces.
636	" 11	Med	IIIv	ePNE	22	19	52	0.9 felt in N. Sumatra; azimuth 246°
				iPNE	22	19	55	
				iSNE	22	20	04	NS pen thrown off.
637	" 12	Mal	v	iPNE	08	58	18	0.9 felt at Lemah Neundeut (W. Java)
				iSNE	08	58	33	
		Bat	Iv	PN	08	58	39	2.0
				SNE	08	59	04	
638	" 12	Mal	v	PE	15	08	10	0.9
				iSNE	15	08	22	
639	" 13	Bat	I	ePZ	02	19	19	dubious.
				iPZ	02	19	23	
				iE	02	23	00	
				iE	02	23	54	
				eLZ	02	28		
				eLE	02	29		
		Med	I	eP?E	02	19	36	extremely faint.in micros.
				iN	02	26	43	

					h	m	s	
640	Dec.13	Med	Iu	PNE	17	34		in hour mark
				SN	17	42	20	
				LNE	17	57		
		Bat	Iu	PZ	17	35	06	55.0
				iSNE	17	42	55	
641	" 14	Mal	d	PNE	12	54	41	0.9 felt in W. Java.
				iSNE	12	54	53	
		Bat	Iv	iPZNE	12	54	46	1.3 dilatation.
				iSNE	12	55	03	
642	" 14	Bat	Iu	iPZNE	13	09	15	65.0
				SNE	13	18	01	
643	" 14	Mal	v	iNE	16	21	51	
644	" 15	Bat	Iu	P?Z	09	22	36	
				iPZNE	09	22	48	66.7 dilatation.
				iSE	09	31	46	
		Med	Iu	P?N	09	23	59	78.8?
				P?E	09	24	04	
				SNE	09	34	01	
645	" 15	Mal	v	iN	19	53	48	
646	" 16	Mal	v	iNE	16	26	21	
647	" 16	Bat	Iu	iPZ	17	32	02	64.1 compression.
				PNE	17	32	04	
				iSNE	17	40	46	
				LN	17	51		
				LZE	17	52		
		Med	IIu	eP?N	17	33	25	74.9? strong faint in micros.
				iE	17	33	31	
				iSNE	17	43	07	
				LNE	18	00		
648	" 16	Bat	Iu	PZN	23	25	20	64.7?
				iE	23	25	29	
				S?N	23	34	07	
				eLZE	23	41		
				LZ	23	47		
		Med	Iu	eP?N	23	26	48	
				eP?E	23	26	59	
				iE	23	27	31	
				iSE	23	36	31	
				iE	23	37	12	
649	" 17	Med	Iv	ePE	04	46	58	in micros
				ePN	04	47	02	in micros
				iE	04	47	45	
				iN	04	48	01	
650	" 17	Med	Iu	ePE	16	43	46	dubious.
				iE	17	01	12	
		Bat	Iu	P?NE	16	45	03	
				iN	16	54	15	
				eLE	17	04		
				LZN	17	07		



					h m s	
651	Dec.18	Bat	Iv	P?E P?Z	05 28 41 05 29 03	traces in micros.
652	" 18	Mal	v	iNE	07 35 06	
653	" 18	Med	I	P?E LE	21 56 17 22 15	faint traces.
654	" 19	Med	I	ePNE	18 33 51	faint.
655	" 21	Mal	r	P?NE	12 29.5	in minute eclipse; felt on the Lesser Soenda Islands.
		Bat	IIr	iNE PZ PNE iE iNE eLZ	12 31 30 12 29 44 12 29 45 12 32 11 12 32 15 12 35	faint.
		Med	IIIr	PNE iNE iN	12 32 00 12 36 07 12 36 49	
656	" 22	Mal	v	iNE	05 31 55	
657	" 22	Mal	v	iNE	10 00 23	traces.
658	" 22	Mal	v		10 22 00	traces.
659	" 22	Med	I	P?N iNE	17 01 24 17 08 05	dubious.
		Bat	I	iPZ iSNE	17 04 28 17 08 51	24.5
660	" 22	Mal	v	PNE iSNE	17 52 42 17 52 54	0.9 felt in Priangan (W. Java).
		Bat	Iv	PZ iSE	17 52 58 17 53 28	2.2
661	" 24	Mal	v	18	18 49 28	traces.
662	" 24	Mal	v	eE iNE	20 02 47 20 03.5	in minute eclipse.
663	" 24	Bat	Ir	P?E P?N iE	20 14 57 20 14 59 20 15 54	felt at Manckwari. (N. Guinee).
664	" 25	Mal	v	i	02 43 02	traces.
665	" 26	Mal	v	ePNE SNE	18 04 43 18 05 11	2.2
		Bat	Iv	ePZNE PZNE SN eZ iN iZ	18 04 58 18 05 00 18 05 42 18 06 05 18 06 18 18 06 42	3.4
666	" 27	Mal	v	iN	02 44 26	

					h m s	
667	Dec.27	Med	Iv	ePE iNE	23 24 02 23 24 20	in micros.
668	" 28	Med	Ir	iNE	05 13 20	felt in Manado and at Ternate (Moluccas). Two shocks?
				iE iE iN	05 15 33 05 17 17 05 21 23	
		Bat	Ir	iE	05 15 45	traces in strong micros.
669	" 30	Med	Iu	eP?NE SNE iN	02 33 17 02 43 28 02 43 39	80.7?
670	" 30	Med	Iv	ePE eN	10 18 15 10 18 50	faint in micros.
671	" 30	Med	IIv	PE iSN	15 04 25 15 04 54	2,3

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

CONSTANTS WIECHERT SEISMOGRAPHS.

BATAVIA

	EW Component			NS Component			Z Component		
	V	T ₀	ξ	V	T ₀	ξ	V	T ₀	ξ
October	226	7.2	3.4 ⁴	203	7.3	3.4	300	4.4	3.7
November	226	7.2	3.4 ⁴	203	7.3	3.3	300	4.4	3.5
December	226	7.3	3.4	203	7.4	3.5	300	4.4	3.5

	e ₀ r		e ₀ r		e ₀ r	
	e ₀	r	e ₀	r	e ₀	r
October	1.10	0.50	1.09	0.41	1.14	0.28
November	1.08	0.53	1.07	0.42	1.14	0.05
December	1.10	0.63	1.10	0.55	1.14	0.12

MEDAN

	EW Component					NS Component				
	V	T ₀	ξ	e ₀	r	V	T ₀	ξ	e ₀	r
219	5.2	3.8	1.07	1.0	228	4.3	2.3	1.11	0.9	