

Seismological Bulletin 1937.

Royal Magnetical and Meteorological Observatory

Batavia, Java.

April - June 1937.

Ref 3851.

Remarks. The seismograph at Amboina was restored and has been in operation satisfactorily since May 23. The same remarks as in the previous Bulletin concerning time service at Malabar and Soengei Langka are still valid.

No.	Date	Station	Character	Phase	G.M.C.T.	Distance	Remarks
<u>April.</u>							
					h m s	km	
122	Apr. 1	Med	Iv	iP i iS	15 40 59 15 41 08 15 41 43	390	
123	" 2	Med	Iu	PE? PN?	05 40 27 05 41 35		faint. faint.
		Bat	Iu	PE iPZ iSN	05 40 58 05 41 00 05 49 40	7080	in micros.
124	" 3	Mal Bat	I	P iPZ iPE iN	 07 05 20 07 05 22 07 05 49		dilatation from E.
125	" 3	Med	I	eP	11 34 34		faint.
126	" 3	Med	Ir	eP iP iSNE	21 15 47 21 15 52 21 20 29	2970	
		Bat	Ir	iPZNE SNE? SE?	21 16 02 21 20 22 21 21 07		dilatation.
127	" 4	Med	Iv	PE iSN	04 10 23 04 11 03	350	
128	" 4	Mal	d	iP		150	iS - iP = 17 sec., felt in W. Java.
		Bat	Iv	iPZNE	04 37 31		remarkable dilatation from E.
129	" 5	Mal	r	P		3100	S - P = 4 50, felt in NW New Guinea.
		Bat	IIIr	iPZ PE iE iSZN eLZNE	07 02 20 07 02 22 07 04 33 07 07 40 07 13	3530	compression from E.

				13.						
				h m s	km	m s				
129	Apr. 5	S.L	r	P	3690	S - P = 5 30 .				
(cont.)		Med	IIIr	iP	3850					
				iSN						
130	" 5	Mal	v	P	90	iS - P = 11 sec.				
131	" 5	Bat	I	PZ		in micros.				
132	" 6	Med	I	PN						
				iE						
133	" 6	Mal	v	P	110	iS - P = 13 sec.				
134	" 8	Mal	v	P	90	iS - P = 11 sec.				
135	" 9	S.L	v	iP	150	iS - iP = 17 sec.				
		Bat	Iv	PE	230					
				iPZ						
				iSNE						
136	" 9	Mal	v	P	100	iS - P = 12 sec.				
137	" 10	Bat	IIv	iPZ	150	dilatation, felt at Tjiastana (W. Java).				
				iSZNE						
		Mal	v	iP	180	iS - iP = 21 sec.				
138	" 12	Mal	v	P	120	iS - P = 14 sec.				
139	" 12	Med	I	P						
140	" 14	Med	I	P		in micros.				
141	" 15	Med	IIIv	P						
				iSN?						
				iSE?						
		Bat	Ir	ePE		in micros.				
				ePN		in micros.				
				iNE						
142	" 15	Med	IIv	P	620					
				iS						
		Bat	Ir	ePE						
				PZ						
143	" 16	Mal	u	P	7440	m				
		Bat	IIIu	iPZ	7670	iS - P = 9 00, eL.				
				iPNE		dilatation from ESE.				
				iSNE						
				eL		extremely strong.				
		Med	IIIu	P	8720					
				iN						
				iE						
				iS						
				eL		remarkable.				
144	" 16	Bat	I	iSZ?						
		Med	I	i		in previous, replica?				
145	" 16	Bat	I	iPZ						
		Med	I	P		in previous, replica?				

				14.						
				h m s	km					
146	Apr. 16	Bat	Iv	PEZ					in micros, felt at Lebongtanda (S. Sumatra).	
147	" 16	Med	Iv	P		21 33 59				
				iE		21 35 26				
				iN		21 36 38				
148	" 17	Med	Iv	P		08 42 07				
149	" 18	Mal	d	iP	100				iS - iP = 12 sec., felt in Priangan (W. Java).	
		Bat	Iv	PZ		06 40 03				
150	" 18	Mal	v	P	340				iS - iP = 39 sec. felt in Central and East Java.	
		Bat	IIv	PZ	420	10 07 06				
				iPN		10 07 08				
				iSN		10 07 53				
		Med	Ir	ePE		10 09 51			faint.	
				ePN		10 09 53			faint.	
151	" 18	Med	IIv	iP	160	20 20 55			felt at Tapatoean (N. Sumatra)	
				iS		20 21 13				
152	" 19	S.L	v	iP	130				iS - iP = 15 sec.	
		Bat	IIv	iPZ	280	04 00 56			dilatation from W.	
				iPNE		04 00 58				
				iSNE		04 01 28				
		Mal	v	P	330				iS - P = 38 sec.	
153	" 19	Bat	Iv	iPZ	180	07 56 07				
				iSN		07 56 28				
154	" 19	Med	Iv	eP		09 59 14			felt Sum. Westcoast.	
155	" 21	S.L	v	iP						
		Bat	IIIv	iPE	180	19 05 46			dilatation from W.	
				iPZ		19 05 48				
				iSN		19 06 07				
		Mal	v	iP						
		Med	Ir	P		19 11 29				
156	" 21	Mal	v	i		22 35				
157	" 23	Mal	d	iP	90				iS - iP = 11 sec., felt in Priangan (W. Java).	
		Bat	Iv	iPZ	150	06 23 55				
				iSNE		06 24 12				
158	" 24	Bat	I	iPZ		05 09 46				
159	" 27	Mal	v	i		23 14				
160	" 29	Med	Iv	P	400	14 21 34			felt in Tapanceli (N. Sumatra)	
				i		14 21 43				
				iS		14 22 19				
				i		14 22 25				

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					15.			km
					h	m	s	
161	Apr. 29	Med	Iu	eP	19 05	52		9330
				S	19 16	19		
		Bat	Iu	eL	19 36			
				PZ	19 05	58		
				eL	19 58			
162	" 29	Med	I	P	20 29	04		
		Bat	I	PNE	20 29	30		
				PZ	20 29	33		

in micros.
in micros.

May.					15.			km
					h	m	s	
163	May. 1	Bat	Ir	iP	00 18	05		3270
				SE	00 23	07		
164	" 1	Med	Iv	P	16 36	20		
				S?	16 36	54		
				iSN?	16 37	00		
165	" 3	Bat	Iv	P	05 57	25		
166	" 3	Bat	I	ePNE	09 33	23		
				ePZ	09 33	49		
167	" 4	Med	I	eL	05 59			
168	" 4	Med	Ir	eP	15 49	50		1910
				S	15 53	08		
				iN	15 53	21		
169	" 6	Med	I	PN	10 38	25		
				PE	10 39	37		
170	" 7	Med	Iv	P	01 14	53		
171	" 7	Med	Iv	P	12 31	55		
172	" 9	Med	I	eP	15 05	15		
				eL	15 17			
173	" 10	Bat	I	PZ	10 17	01		
				PE	10 17	04		
174	" 10	Mal	u	iP				
		Bat	Iu	PE	15 35	55		6810
				iPZ	15 35	56		
				SE	15 44	06		
				iSNE	15 44	22		
		Med	Iu	eP	15 36	49		8190
				SE	15 46	22		
				iSNE	15 46	25		
175	" 11	Med	Iv	P	15 05	35		
176	" 12	Mal	r	P				
		Bat	IIr	ePN	02 51	49		
				ePE	02 51	54		
				iNEZ	02 53	35		
		S.L	r	eP				
		Med	Ir	eP	02 53	17		4740
				iSNE	02 59	47		

dilatation.

in micros.
in micros.

in micros.
in micros.

dilatation.

in micros.
in micros.

					16.			km
					h	m	s	
177	May 12	Med	Iv	eP	10 10	58		
178	" 12	Med	IIIv	eP	13 07	48		
				iSN?	13 10	12		
				iSE?	13 10	27		
				iNE	13 10	38		
		Bat	II	ePE?	13 10	22		
				PNE	13 10	41		
179	" 12	Med	Iv	PNE	15 52	19		890
				iSN	15 54	00		
180	" 13	Med	Iv	P	09 34	49		330
				iS	09 35	27		
181	" 13	Bat	I	iPZ	18 51	50		
		Med	I	P	18 53	07		
182	" 14	Bat	I	PZ	15 40	00		
				iSE	15 41	45		
		Mal		eP				
183	" 15	Bat	Iv	P	12 23	01		230
				iS	12 23	27		
		S.L	v	iP				
184	" 15	Bat	Iv	iPZ	21 59	07		160
				iS	21 59	26		
185	" 16	Mal	v	i	09 05			
186	" 16	Med	I	eP	21 58	47		
187	" 18	Bat	Iv	PNE	11 31	06		540
				iSE	11 32	05		
188	" 21	Med	IIv	P	03 14	01		
				iE	03 14	17		
				iN	03 14	26		
				iE	03 14	28		
189	" 22	Bat	Iv	P	04 13			
190	" 23	Med	Iv	eP	13 00	56		
191	" 25	Bat	Ir	PZ	07 32	08		
				PE	07 32	09		
		Med	Ir	iP	07 33	22		2530
				S	07 37	31		
192	" 26	Amb	Iv	P	05 57	13		
193	" 26	Amb	Iv	P	11 14	03		
194	" 26	Mal	v	P				180
195	" 27	Bat	Iv	PZ	04 05	12		
196	" 27	Med	Iv	P	09 46	29		
				iS	09 46	58		



felt at Java's First Point
(W. Java).

in micros.

iS - P = 21 sec.

				17.			
				h m s	km		
197	May 27	Mal	v	i	11 36		
198	" 27	Amb	Iv	eP eS	17 37 45 17 38 53		
199	" 28	Amb	Ir	iP iS	20 01 41 20 06 06	2740	Rabaul?
		Bat	IIr	iPZ	20 03 42	4280	remarkable compression from ENE.
		Med	Ir	iS iP iS	20 09 48 20 03 49 20 10 00	4590	remarkable.
200	" 30	Amb	Iv	i	00 37 36		
201	" 30	Med	Iv	P iS?	12 14 13 12 14 17	30?	remarkable.
202	" 31	Amb	Iv	P iS	02 11 24 02 11 28	30	
203	" 31	Mal	d	iP		120	iS - iP = 14 sec., felt in W. Java.
		Bat	Iv	PZ iS	03 52 46 03 53 30		uncertain.
204	" 31	Amb	Iv	iP	10 39 40		
		Bat	Ir	iPZ iS	10 43 30 10 47 28	2390	
		Med	Ir	eP iSE? iSN? iSE?	10 45 37 10 49 11 10 49 25 10 49 39		
205	" 31	Amb	Iv	i	12 16 08		
206	" 31	Amb	Ir	eP S	15 36 42 15 42 12	3700	
		Bat	Ir	iPZ SNE	15 40 22 15 47 06	4970	compression.
		Med	Iu	eP	15 41 49		

June.							
207	Jun. 1	Med	Iv	P	06 46 09		
208	" 1	Bat	Iv	P iS	14 23 24 14 23 42	160	
		Mal	v	P		170	iS - P = 20 sec.
209	" 3	Med	IIv	P i iSN iSE	07 32 07 32 34 07 33 05 07 33 11		in hour eclipse, felt in Atjeh (N. Sumatra).
210	" 3	Mal	v	P	21 06	110	iS - P = 13 sec.
211	" 4	Mal	v	P	17 01	110	iS - P = 13 sec.

				18.			
				h m s	km		
212	Jun. 4	S.L	v	iP		150	
		Bat	v	iP	20 25 21	180	iS - iP = 17 sec. from WSW.
		Mal	v	iS i	20 25 42		
213	" 5	Amb	Iv	iP	04 06 43		
214	" 7	Med	I	ePN ePE	11 52 06 11 52 16		in micros. in micros.
215	" 8	Amb	Iv	P	09 35 13		
216	" 8	Amb	Iv	P	13 11 46		
217	" 9	Med	IIv	iP iSE	02 46 25 02 46 54	260	
218	" 10	Mal	v	i	19 39		
219	" 10	Mal	v	P		90	iS - P = 11 sec.
220	" 12	Amb	Iv	iP	07 49 23		
221	" 14	Amb	Iv	iP			no time signals.
222	" 14	Bat	I	PZ	13 20 50		
223	" 14	Mal	v	i	17 32		
224	" 17	Med	Iv	P	10 04 29		
225	" 19	Bat	Iu	iPZ PNE iSNE i	17 17 40 17 17 42 17 26 05	6770	dilatation.
		Mal	u				
226	" 21	Bat	Iv	iPZ iSE	07 46 49 07 48 00	610	
		Med	I	eP	07 48 42		in micros.
227	" 21	Amb	Iu	P iP i iPZ iN eLN eLE	15 32 38 15 32 44 15 33 45 15 33 06 15 33 42 16 29 16 36		compression from E.
		Med	Iu	P iN iE iN eL	15 32 06 15 37 37 15 37 47 15 44 37 16 30		
228	" 23	Amb	Iv	P	13 53 09		
229	" 24	Bat	Iv	PZ iS	07 27 02 07 27 26	210	felt in Cheribon(W. Java), volcanic.
230	" 24	Bat	I	iPZ iN iE P	14 17 01 14 17 33 14 18 12	240	iS - P = 27 sec.
		Mal	v				

					19.			km	
					h	m	s		
231	Jun.24	Mal	d	iP				100	iS - iP = 12 sec, felt at Malabar (W. Java).
232	" 25	Bat	IIv	iPZ iSNE	07 04 13 07 04 36			200	dilatation, felt in Priangan (W. Java).
233	" 27	Mal	v	iP				110	iS - iP = 13 sec., felt in Priangan (W. Java).
		Bat	IIIv	iPZ iSNE	07 04 14 07 04 31			150	compression.
234	" 28	Amb	Iv	P	00 57 56				
235	" 28	Amb	Iv	iPN iPE	21 47 24 21 47 26				
236	" 28	Mal	v	P	22 58			50	iS - P = 6 sec.
237	" 29	Mal	d	iP				100	iS - iP = 12 sec., felt in Priangan (W. Java).
		Bat	IIv	iPZ iSNE	07 54 17 07 54 42			220	
238	" 30	Mal	v	P	01 16			120	iS - P = 14 sec., felt in Priangan (W. Java).
239	" 30	Bat	Ir	iPZ PNE SE	14 03 44 14 03 45 14 08 02			2660	
		Med	Ir	eP	14 04 31				

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BATAVIA.

	EW Component			NS Component			Z Component		
	V	T ₀	ε	V	T ₀	ε	V	T ₀	ε
1937									
April	220	7.3	3.6	190	7.3	3.5	300	4.6	3.9
May	220	7.2	3.6	190	7.3	3.4	300	4.6	3.8
June	220	7.3	3.6	190	7.5	3.4	300	4.6	3.8
		e ₀	r		e ₀	r		e ₀	r
April		1.09	0.6		1.09	1.3		1.15	0.4
May		1.10	0.7		1.10	1.3		1.18	0.3
June		1.11	0.6		1.09	1.2		1.15	0.4

MEDAN.

	EW Component					NS Component				
	V	T ₀	ε	e ₀	r	V	T ₀	ε	e ₀	r
230	5.1	3.5	1.04	1.2	1.2	240	4.5	2.5	1.10	1.3

AMBONINA.

Not yet redetermined.