

No. 56

1946

Geodætisk Institut

Proviantsgården, Copenhagen, Denmark

Bulletin

of the seismological station

KØBENHAVN

$\varphi = 55^{\circ}41' N.$ $\lambda = 12^{\circ}26' E.$ $h = 13$ m.

Lithologic foundation: chalk

No. 56. Jan.—Dec. 1946.

Instruments:

Galitzin-Wilip seismographs.

Constants:

Component	l	A_1	T_1	μ^2	T	k
	cm	cm	sec		sec	
<i>N</i>	12.5	100	12.64	0	$12\frac{1}{2}$	103
<i>E</i>	12.5	100	12.69	0	$12\frac{1}{2}-13$	101
<i>Z</i>	14.5	100	11.56	0	$8\frac{1}{2}$	87

Wiechert 1000 kg horizontal seismograph.

Wiechert 1300 kg vertical seismograph.

Constants:

Component		T	ν	ρ	V
		sec		mm	
<i>N</i>	$\frac{1}{1}-\frac{26}{6}$	9.4	$3\frac{1}{2}$	1.7	190
	$\frac{26}{6}-\frac{31}{12}$	9.0	3	0.9	200
<i>E</i>	$\frac{1}{6}-\frac{26}{6}$	8.7	$3\frac{1}{2}$	0.8	175
	$\frac{26}{6}-\frac{31}{12}$	8.5	4	0.6	205
<i>Z</i>	$\frac{1}{1}-\frac{26}{6}$	5.7	5.3	0.8	155
	$\frac{26}{6}-\frac{31}{12}$	5.7	4.2	0.3	150

Milne-Shaw seismograph, *E* component, with the approximate constants $T = 12^s$, $\nu = 20$, $V = 300$.

Benioff vertical seismograph, $T_1 = \frac{1}{4}^s$, $T = 1^s$. $V_{\max} = \text{ca. } 30000$.

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No.	Date	Hour	Forerunners				L	△	Remarks					
			P or P'		S									
			m	s	m	s	m	s	m	s	h	m	°	
	1946													
	Jan.													
1	2	16									12			
2	3	4	i	17 12										
3	5	20	e	16 41			i	20 14	32	30				37 ^m .5. Strong microseisms. New Hebrides.
4	7	6						38 24	46	28	60			Strong microseisms. Celebes Sea.
5	11	1	i	43 27	e	51 32		52 24	56	18				59 ^m 37 ^s . Strong microseisms. Depth about 600 km. Manchuria.
6	12	20	i	36 10	e	44 41		38 33	40.1					SS 49 ^m 06 ^s . Alaska.
7	17	9	i	58 17				62 17	69	42				SS 76 ^m .0. Deeper than normal. New Guinea region
8	20	17	e	13 52				16 24	17	26	54			22 ^m 38 ^s . P' perhaps earlier. New Hebrides.
9	21	11	e e	29 57	e	33 53								Black Sea.
10	24	6									08			
11	25	17	i	34 09		36 09		36 29	37	15			11	Switzerland.
	Febr.													
12	4	3	i i	56 41	e	66 10							73	Aleutian Islands.
13	6	11	i	17 03			i	18 56	e	23.6				Seismic?
14	9	13	e	22 37	e	25 13					26.4	14		Adriatic Sea.
15	10	13									36			
16	12	2	e	48 06	i	52 00							22	Destructive. Algeria.
17	14	2	i	08 31										South China Sea.
18	14	6	i	23 06										
19	14	10									37			
20	15	3									57			
21	18	17									.3			
22	19	19									.3			
23	20	4					e	05 18			24			Phases masked by microseisms. Philippine Islands.
24	21	15	e i	47 57	i	51 53	i	47 59	48	21	54.1	22		Asia Minor.
25	24	9						53 23	55.5					61 ^m .0. Celebes.
26	25	2						16.1			30			
27	26	5						08 06			12			
28	26	19									54			
29	28	2	e	36 30			e	40 30	42	35				iSKS 47 ^m 00 ^s . 47 ^m 52 ^s . iPS 49 ^m 16 ^s . SS 54 ^m 45 ^s . 60 ^m .5. Celebes region.
	March													
30	2	2									56			
31	5	4	e	51 24	e	56 30		59.5			62	31		Phases weak. Interpretation doubtful.
32	6	13	i i	22 24	e	31 38		26.4	32	23			71	
33	7	16	e	42 46	e	52 10		63.0			70	74		Indian Ocean.
34	7	21	i	51 31—										China.
35	8	19	e	21 52	e	23 32							9	Phases badly marked. Hohe Tauern.
36	9	16	i	29 24	e	38 15					51	67		Bering Sea.
37	12	0						24 53	35	59	57			41 ^m .6.
38	12	2	i i	29 12	i	35 03					39.0	38		Persia.
39	15	3					e	20 30	27	39	50			ePS 29 ^m .2. 30 ^m 51 ^s . iSS 34 ^m 10 ^s . Pacific Ocean.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
			m s	m s	m s	m s	h m	°	
40	1946 March 15	8	e 05 06		07 38	i 08 36	48		20 ^m .5. SS 25 ^m .0. Coral Sea.
41	15	14	i 01 46	i 11 55	04 12		26	80	California.
42	16	12					11		
43	16	14					53		
44	17	21		i 21 55			32		Arabian Sea.
45	20	5					44		
46	24	15	e 52 28				1.7		
47	26	17	e 22 15	i 33 20	i 22 22	28 12		91	34 ^m 25 ^s . i 39 ^m 43 ^s . Borneo.
48	27	23	i 39 15	e 46 21	i 41 11	50 10		49	Baluchistan.
49	29	7	e 39 26	i 50 36	49 54	51 45		92	SS 56 ^m .9. Pacific Ocean.
50	31	7	i 38 47						Seismic?
51	April 1	12	i i 40 19	i 49 37				71	Seismic sea-wave. Pacific Ocean near Aleutian Islands.
52	1	13	i 04 01+						Aftershock.
53	1	13	i i 07 03+						»
54	1	13	i 34 57+						»
55	1	13	e 40 08						Aftershock to Aleutian quake.
56	1	14	i 06 39						» » » »
57	1	15	e 31 41		i 32 17				» » » »
58	1	16	e 01 54		i 01 57				» » » »
59	1	17	e 10 37	e 19 52	25.4		33	71	» » » »
60	1	19	e e 08 53	i 18 11	i 08 57	23 38		71	» » » »
61	1	20	i 54 34+						
62	2	4		e 34 27			46		Aftershock to Aleutian quake.
63	2	5	i i 49 33+						» » » »
64	2	6	i e 08 30	e 17 49.				71	» » » »
65	2	16	i 41 43						
66	3	3	i 24 34						
67	3	9	i 09 53						Aftershock to Aleutian quake.
68	3	17	i 05 25						Bosnia.
69	4	21	e 36 59						Aftershock to Aleutian quake.
70	5	20	i i 58 54	i 62 49			65	22	Near Crete.
71	5	21	i 58 10						Japan.
72	6	5	i 03 56	e 13 16				71	Aftershock to Aleutian quake.
73	6	14					.8		
74	9	20					.8		
75	11	2	e e 02 36	i 11 05	03 26		21	63	North of Ascencion Island.
76	12	7	e e 41 42	i 45 45			48	23	Asia Minor.
77	13	8					.1		
78	15	18	e 04 23						Arabian Sea.
79	16	11	e e 47 27	e 50 25				16	Albania.
80	16	15					.8		
81	17	14					.5		
82	18	20	i 01 56		32.7		.5		
83	23	5	i i 15 49		e 23 05	i 37 14			iSS 38 ^m 33 ^s . No Gal. E record. Southern
84	23	10	e 59 42		i 62 59	e 75.4	105		[Ocean.

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No.	Date	Hour	Forerunners				L	△	Remarks
			P or P'		S				
			m s	m s	m s	m s	h m	°	
85	1946 April 25	0	i 58 45		e 81.7				Very deep. Kamchatka region.
86	26	8	i 19 27	e 27 40	e i 21 28	i 28 27			
87	26	15					25		
88	26	20					50		
89	27	19	i 04 55						
90	29	0					11		
91	29	1					08		i 31 ^m 51 ^s . 34 ^m 18 ^s . 40 ^m .3. New Britain. i 51 ^m 32 ^s . i 53 ^m 57 ^s . New Britain.
92	30	7			e 49 15		76		
93	May 1	10					43		
94	2	7			e 44 03				
95	2	17	i 36 29						
96	3	20	i 31 40						
97	3	22	i 20 22		i 24 35	i 30 27			
98	3	22	e e 42 38		i 44 00	i 51 06			
99	4	15			36 35		41		
100	7	15					14		
101	8	5	i i 33 17		i 44 01	50 41	62		SSS 53 ^m 15 ^s . 55 ^m 15 ^s . i 57 ^m 07 ^s . West of Sumatra.
102	8	10			i 04 55	12 34	41		i PS 14 ^m 20 ^s . SS 20 ^m 55 ^s . SSS 25 ^m .2. North of New Guinea.
103	9	19	i i 54 34	59 10			62	27	Transcaucasia.
104	9	22	i 39 17	49 10			66	77	Japan.
105	9	23			i 58 00	i 63 36	1.3		67 ^m . Gulf of California.
106	10	3			e 00 36		04		
107	11	16	e 28 26	e 31 28			33	16	Greenland Sea.
108	11	18					18		
109	11	18	e 42 14	e 44 23	i 42 23		45.3	12	Superposed on previous L-waves. Greenland Sea.
110	12	13	i 26 43	32.0	33.8		36		South-east of Azores.
111	13	6	i 34 57		e 38.3		39		No Gal. Z record.
112	15	22	i 23 26	e 34 06	26 55	35 13		86	40 ^m .0. South coast of Mexico.
113	15	22	i 37 10		40 30				Aftershock.
114	16	5	e 44 25		46.5				Solomon Islands.
115	16	16	i 41 49						
116	19	0	e 42 24	i 51 06	45 09		61	65	Bering Sea.
117	19	16					02		
118	23	1			54 12	55 48			58 ^m 57 ^s . Solomon Islands.
119	25	12			02 17	09 29	.4		
120	27	1		41.6			1.0		South China Sea.
121	29	19	i 36 47	i 46 59				81	Formosa.
122	30	3	e 43 35	e 45 31	i 43 38		46.1	10	Switzerland.
123	31	3	i 18 11	i 22 42				26	Turkey.
124	June 1	16	i 24 06				.9		East of Formosa.
125	2	1	i 21 12+	31 15	40.0		.8	79	Formosa.

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			P or P'	S					
	1946		m s	m s	m s	m s	h m	°	
126	June 3	13	e 55 38				1.3		
127	3	15			e 24 31				
128	3	17	e 15 48	i 25 56			39	80	Formosa.
129	5	1					.5		
130	6	10					53		
131	7	4	e 25 48		i 25 52	i 36 04			iPS 37 ^m 10 ^s . 41 ^m .0. Depth about 100km. [Southern Mexico.
132	9	10			e 10 57		15		
133	12	4					49		
134	12	10					47		
135	12	16			i 32 50	41 06	60		44 ^m .6. Guam Island.
136	12	19	i 52 24						
137	15	18			47 46	49 50	78		SKS 54 ^m 03 ^s . PS 56 ^m 58 ^s . Moluccas.
138	16	10		i 21 16	25 08		32		Arabian Sea.
139	20	0	i i 43 19	50 06			57	47	Baluchistan.
140	23	17	i i 24 28	i 33 42	i i 24 43	28 20	44.5	71	SS 38 ^m 46 ^s . SSS 41 ^m .9. Near Vancouver.
141	23	17	e 52 28						
142	23	21					13		
143	24	4		e 25 30	28.3	29 13	32		Lake Issuk Kul, Turkestan.
144	25	0					.8		Forerunners not clearly marked. Timor.
145	26	8		i 17 11	09 30	22.1	.5		26 ^m .1. Depth about 200 km. Guatemala.
146	26	12	i 54 31		58 33	61 51	1.8		iP ₂ ' 55 ^m 18 ^s . SKSP 69 ^m 20 ^s . SS 78 ^m .3. SSS 84 ^m .3. SSSS 90 ^m . New Zealand.
147	26	15	i 29 18	i 35 30	i 30 24	32 06			isS 36 ^m 47 ^s . SS 38 ^m .8. Depth about [200 km. Afghanistan.
148	27	0					50		
149	27	12					.3		
150	27	21	e 59 27		e 63 20		1.9		South Pacific Ocean.
151	28	8					.2		Forerunners not clearly marked. After-
152	29	0					19		[shock to New Zealand quake.
	July								
153	1	22			e 55 41	i 61 14	1.5		PS 65 ^m .3. SS 72 ^m .4. New Britain.
154	2	3	i 05 19						
155	2	11					46		
156	7	21			e 29.7		30.5		
157	7	21	i 32 30						
158	9	1	i 27 56		32.0	41.4			Tonga Islands.
159	9	13	i 32 59		i 36 30	37 21			41 ^m 11 ^s . 54 ^m .1. Loyalty Islands.
160	11	4	i i 59 07	69 35	i 69 18	i 70 27	1.5	84	SS 74 ^m 32 ^s . 81 ^m .9. Mexico.
161	12	22	i 07 39	16 55	17 25			71	Aleutian Islands.
162	13	2					19		
163	13	5			e 21 13		26		
164	13	6			e 26 06		30		
165	14	0	i 46 35						
166	14	5			e 05 40		12		
167	16	5	e i 31 39	35 49	36 07		38.3	24	Crete.
168	16	19	i i 50 11	i 54 07			57	22	Turkey.
169	17	1			e 40.0		47		Liberia?
170	17	23			e 41.3		52		Lake Victoria?

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			P or P'		S				
	1946		<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>m s</i>	<i>h m</i>	°	
	July								
171	18	6	<i>i</i> 18 34	<i>i</i> 27 38	35 50		43	69	No Z-record. West of Canada.
172	18	7		<i>i</i> 37 10	40 49	45 17	50		Aftershock.
173	18	19					08		
174	19	21		<i>i</i> 37 57	43	46.6	56		Japan.
175	21	15					.9		
176	23	18					.2		
177	24	11			27 43	30 34	59		New Britain.
178	25	16	<i>i i</i> 53 35	63 06				73	Aleutian Islands.
179	26	7	<i>e</i> 02 41						Northern Chile.
180	26	22	<i>i</i> 51 05		<i>i</i> 54 22				New Hebrides.
181	27	0					42		
182	27	16		<i>i</i> 36 57	38.9		42		Iraq.
183	27	21	<i>e</i> 59 35		<i>e</i> 59 47		1.8		
184	30	4					.2		
	Aug.								
185	2	19	<i>e</i> 33 08	<i>i</i> 45 07	37 33	43 47		104	<i>i</i> 45 ^m 17 ^s . <i>ip</i> S 45 ^m 47 ^s . <i>i</i> SP 46 ^m 47 ^s . 51 ^m 08 ^s . SS 52 ^m .2. SSS 56 ^m .5. Depth about 100 km. Chile.
186	3	13	<i>i i</i> 18 12	<i>e</i> 28 10			.8	78	Strong microseisms. Japan.
187	4	15	<i>i</i> 44 19						Depth about 600 km. Loyalty Islands.
188	4	18	<i>i</i> 02 19	<i>i</i> 11 29	12 14	15 36	23	70	Heavy casualties. Seismic sea-wave. Antilles.
189	4	18	<i>i</i> 45 08						Aftershock.
190	4	21	<i>i</i> 04 48						»
191	5	12		<i>e</i> 53 24	<i>e</i> 52 30		66		»
192	5	15					55		
193	5	18	<i>i</i> 41 01						
194	6	3			<i>e</i> 08 52		.8		South Pacific Ocean.
195	6	6		<i>e</i> 17 46			31		Aftershock to Antillian quake.
196	6	12			<i>e</i> 09 18		23		
197	6	16					51		
198	7	19		<i>e</i> 41 50			56		Antilles.
199	7	22	<i>i</i> 54 58	<i>e</i> 62 26			72		<i>P</i> small, doubtful.
200	8	13	<i>i i</i> 39 42	<i>i</i> 49 02	<i>i</i> 40 08	<i>i</i> 49 50	61	72	<i>i</i> 51 ^m 42 ^s . SS 53 ^m 38 ^s . Antilles.
201	8	17	<i>i i</i> 35 17	<i>i</i> 44 26	<i>i</i> 45 18	48.8	57	70	Antilles.
202	9	8	<i>e</i> 36 53	<i>i</i> 46 06	<i>i</i> 45 14		58		»
203	9	20	<i>i</i> 17 49	<i>e</i> 26 57	27 54		39	70	»
204	10	2		<i>e</i> 30 57	31 49		44		»
205	10	9	<i>i</i> 11 30	<i>e</i> 20.6	21.4		34	70	»
206	10	12		<i>i</i> 06 11	<i>i</i> 07 06		19		»
207	11	2			15 11	18.1	50		<i>i</i> SKS 20 ^m 34 ^s . SKKS 22 ^m 49 ^s . PS 25 ^m 05 ^s . SKKS 30 ^m 27 ^s . SS 31 ^m .8. Solomon Is- lands.
208	14	9	<i>i</i> 52 21	<i>e</i> 62 06					Strong longperiodic microseisms. Japan.
209	14	14	<i>i</i> 59 06	<i>e</i> 59 35	59 12			2½	
210	15	15	<i>e</i> 43 36		47 23	49.7			SKS 50 ^m 47 ^s . SS 65 ^m .5. SSS 71 ^m .2. Loyalty Islands.

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			P or P'		S									
			m	s	m	s	m	s	m	s	h	m	°	
	1946													
	Aug.													
211	15	19	e 33	58	i 40	49	i 35	56			52		47	Baluchistan.
212	17	9	i 54	17	i 59	16					65		30	Iraq.
213	17	23	i i 43	51	i 48	52					53		30	»
214	18	7	i 09	29	e 14	42	10	13	16	32	22		32	No Z-record.
215	19	6			i 01	12					13			Antilles.
216	19	20	i 09	58							37			Japan.
217	20	10			i 04	18					19			»
218	20	16	i 07	15										
219	20	17	e 30	17	e 33	25					34.7		17	Ionian Sea.
220	21	18	i 19	52			i 19	55	20	20	68			PP 23 ^m 20 ^s . iSKKS 30 ^m 08 ^s . 33 ^m 40 ^s . 36 ^m 02 ^s . SS 43 ^m .0. Tonga Islands region.
221	21	19	i i 28	52	i 38	03	39	11			50		70	Antilles.
222	22	17									48			
223	24	0			i 45	58					58			Gulf of Aden.
224	24	3									24			
225	24	14	e 29	33	i 38	39					50		69	Antilles.
226	25	11	e 28.4		i 32	06					34			Turkey.
227	25	13	i 32	33										Probably deep.
228	25	16									.7			
229	28	3									.2			
230	28	20					26	15			1.5			South Pacific Ocean.
231	28	22					e 45	47	i 51	10				51 ^m 56 ^s . iPS 55 ^m 08 ^s . 56 ^m 09 ^s . SS 59 ^m .8. SSS 64 ^m .4. Depth about 560 km. Northern Chile.
232	30	23	i 51	05										Probably deep.
233	30	23	i 53	22										»
	Sept.													
234	3	5									.2			
235	4	19									.7			
236	5	13					02.3				27			
237	6	22					19.7				33			
238	7	8	e 11	50	e 21	22					36		74	Kurile Islands.
239	9	10	e 48	43										Galitzin interrupted. Formosa.
240	9	17	i 31	05	e 34	50	e 35	17			37.2		21	Algeria.
241	11	10			i 13	25								Interrupted. Belgian Congo.
242	12	15	i 28	14	i 37	12	i 28	20	30	44	48		68	37 ^m 02 ^s . iScS 38 ^m 16 ^s . iSS 41 ^m 28 ^s . Burma.
243	12	15	e 31	26										Aftershock.
244	13	5			i 09	21	12.4		14.2		17			Atlantic Ocean.
245	13	16	e 06	49			e 09	52	32.6		.8			New Hebrides.
246	13	19	i 10	10+	i 19	10	12	45	15	10	32		68	ScS 20 ^m 22 ^s . SS 24 ^m 16 ^s . SSS 27 ^m .2. Kamchatka.
247	14	20	i i 08	32			12	04	22.4		55			Tasmania.
248	15	16									18			
249	19	0			e 24	41	27.0				.6			Iran.
250	22	14			e 31	35					34.6			

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			P or P'	S					
			m s	m s	m s	m s	h m	°	
251	1946 Sept. 23	22			16 25	30 05	59		SS 33 ^m 08 ^s . New Hebrides.
252	23	23	i 48 37		49 56	55 30	86		iSKKS 56 ^m 45 ^s . iPS 59 ^m 40 ^s . iE 60 ^m 32 ^s . SS 65 ^m .9. SSS 70 ^m .4. New Guinea region.
253	25	10		e 26 06	33.8		39		Antilles.
254	26	11	i i 11 57		i 14 07	17 56			33. ^m 7. 35 ^m 19 ^s . sSS 37 ^m .4. Depth about 550 km. South Pacific Ocean.
255	27	16	i 17 42				25		M 28 ^m .0. F 31 ^m .7.
256	27	20					24		
257	29	3	i e 20 49		i 22 31	i 27 58	52		i 28 ^m 09 ^s . SKKS 29 ^m 31 ^s . PS 32 ^m 13 ^s .
258	29	10					.2		[SS 38 ^m .8. Solomon Islands.
259	29	20	e 31 13	i 38 33	33 24		.8	52	Northern Somaliland.
260	30	1		24 49	17 25	i 23 52	47		25 ^m 27 ^s . SS 31 ^m .4. Peru.
261	30	11	i 42 55	54 25	46 43	53 36	75	97	SS 60 ^m .6. South Atlantic Ocean.
262	Oct. 2	4	i i 57 13+	i 66 15	57 40	59 43	80	69	PPP 61 ^m .6. 66 ^m 39 ^s . ScS 67 ^m 06 ^s . SS 70 ^m 46 ^s . SSS 73 ^m .0. Kamchatka.
263	2	6	i i 54 22	i 63 22	56 55	59.4	77	69	63 ^m 51 ^s . ScS 64 ^m 09 ^s . SS 67 ^m 55 ^s . SSS [71 ^m .5. Kamchatka.
264	3	5					02		
265	3	7	i 20 15	e 24 33			42	25	
266	3	12					52		Asia Minor.
267	3	15			44 26	48 23	1.6		SKS 63 ^m 32 ^s . SKKS 64 ^m 41 ^s . 70 ^m 15 ^s .
268	3	15			59 25	60 18			New Hebrides.
269	4	14	56 36	65 44			79	70	Galitzin out of order. Antilles.
270	8	14	i i 15 00		e 17 19	i 18 19			22 ^m 24 ^s . Depth about 550 km. Tonga Islands region.
271	9	21					14		
272	10	5					20		
273	13	21	i 29 49	i 34 09			36	25	Near Crete.
274	13	23		i 38 15	37 06	37 48			SS 45 ^m .2. Argentina.
275	14	5			08 33	28.2	1.2		34 ^m .3. Kermadec Islands.
276	15	8					54		
277	18	4		43 12			49		Northern coast of Cyreneica.
278	21	14			08 29		25		Panama.
279	22	10	e e 19 13		e 21 46	i 22 30			i 23 ^m 36 ^s . 28 ^m 26 ^s . 31 ^m 26 ^s . 34 ^m 41 ^s . SS 39 ^m .5. SSS 44 ^m .4. Deep. New Hebrides.
280	22	18					.5		
281	25	22	i i 01 00	i 09 45	10 48			66	Kamchatka.
282	26	0			e 40 05	e 41 30	71		e 51 ^m 36 ^s . SSS 59 ^m .
283	29	0					07		
284	30	7	i i 58 48	i 68 02	i 59 16	68 45	1.3	71	SS 72 ^m .4. SSS 76 ^m .4. Aleutian Islands.
285	30	14					52		
286	Nov. 1	11	i 25 51+	i 35 18	36 06	40 25	51	73	Aleutian Islands.
287	1	21					12		

København

No.	Date	Hour	Forerunners				L	Δ	Remarks
			P or P'		S				
			m s	m s	m s	m s	h m	°	
288	1946 Nov. 2	14			21 42	i 28 09	50		31 ^m 11 ^s . Philippine Islands. Turkestan.
289	2	18	i i 36 09+	i 42 18	37 54	45 14	49	41	
290	3	2					11		
291	3	11					44		Turkestan. Eastern Carpathians. Atlantic Ocean. Caspian Sea. Karakoram. Turkestan.
292	3	13		i 48 01			53		
293	3	18	i 50 00	e 52 31			55	14	
294	3	19	e i 42 45-	i 51 00	46 25		62	61	
295	4	21	i i 54 12+	i 59 22			63	32	
296	6	14					38		
297	6	17	e 05 01						
298	6	20	i i 05 17	i 12 29			21	50	
299	7	16	e 01 46	e 07 51			14	40	
300	7	22					37		
301	10	1		i 01 42	04 52	05 08	09		Sinkiang Province, China. SKS 66 ^m 38 ^s . SKKS 67 ^m 30 ^s . SP 69 ^m 06 ^s . SS 74 ^m .2. SSS 78 ^m .6. North of Lima, [Peru. Aleutian Islands. 61 ^m .5. 62 ^m 48 ^s . 65 ^m 34 ^s . 72 ^m .0. 75 ^m .9. [Tonga Islands.
302	10	17	i 56 26	i 67 52	i 60 20	e 62 30	89	96	
303	11	23	e 07 45						
304	12	6	i 07 42	e 17.1	21.1	22.6	33		
305	12	17	i i 48 15		51 30	58 42			
306	14	12					11		
307	15	3					07		
308	16	12	e 10 09						
309	16	14					18		
310	17	3			e _E 07 51	08 48			
311	17	14					18		SS 45 ^m 50 ^s . Arabian Sea. Ionian Sea. Tonga Islands.
312	17	22	e 33 58	e 41 39	i 34 50	43 49	52	55	
313	18	2	59 05						
314	21	1	e 47 40	i 51 07			53	19	
315	21	4					31		
316	28	16			13 46				
317	Dec. 4	22					02		Formosa. New Guinea.
318	4	22	e 59 12	i 69 12	75 00	77.2	84	79	
319	5	7			14 03	20.3	42		
320	8	13					21		
321	8	22					31		East Asia. Depth about 600 km. Fiji Islands. Banda Sea. SS 25 ^m 06 ^s . SSS 28 ^m .2. Depth about 100 km. Formosa. Heavy casualties. Southern Japan. Aftershock.
322	9	5					41		
323	9	12					48		
324	10	7	i 34 01	i 43 07			55	69	
325	16	17					21		
326	17	22	i i 59 35						
327	19	1	e 02.7		12 24		38		
328	19	3	i i 09 24	i 19 22	19 57	20 48	35		
329	20	19	i i 31 11+	i 41 10			57	79	
330	20	22	i 58 05	i 68 08				79	

København

No.	Date	Hour	Forerunners				L	Δ	Remarks			
			P or P'		S							
			m	s	m	s	m	s	h	m	°	
	1946											
	Dec.											
331	21	3	i	50 56+					76			Northern Japan.
332	21	10	e	23 18								
333	21	10	i	30 23	i	39 52			53	73		Northern Japan.
334	21	10	e	50 11								
335	21	10	i	58 18								
336	21	12	i	19 16								
337	21	12	e	51 04								
338	21	12	i	55 55								
339	21	13	e	07 51								
340	21	20	i	00 18					27			Northern Japan.
341	21	20	i	05 43			i	06 19				Two shocks?
342	21	20	i	32 07								Northern Japan.
343	21	20	i	34 23								
344	21	23	i	30 50								
345	22	0	i	00 10								
346	22	2	e	44 58								
347	22	3	i	08 00			i	08 09				
348	22	14							06			
349	24	4							58			
350	24	10							18			
351	24	16	e	49 01	i	58 41			75	75		Northern Japan.
352	25	11	i	24 34	e	33 51	e	34 19	49	71		Aleutian Islands.
353	26	8							49			
354	26	17							52			
355	28	10	e	20 57	i	30 29			45	74		Northern Japan.
356	29	4							59			
357	30	4							41			

February 1954

HENRY JENSEN