

No. 27

1953

Geodætisk Institut

Proviantsgården, Copenhagen, Denmark

Bulletin

of the seismological station

SCORESBY-SUND

$\varphi = 70^{\circ} 29' N.$ $\lambda = 21^{\circ} 57' W.$ $h = 69 m.$

Lithologic foundation: Gneiss.

No. 27. Jan.—Dec. 1953.

Instruments:

Galitzin-Wilip seismographs.

Constants:

Component	l	A_1	T_1	μ^2	T	k
	cm	cm	sec		sec	
<i>N</i>	12.0	100	11.91	0	12–13	110
<i>E</i>	12.0	100	11.97	0	12–13	110
<i>Z</i>	14.9	100	10.02	0	9	90

Grenet vertical seismograph, $T_1 = 1/4^s$, $T = 1^s$, $V_{max} = \text{abt. } 30\,000.$

Phases are denoted by the symbols used in the International Seismological Summary.

i and *e* refer to the Galitzin-instruments, *i* and *e* to the Grenet-instrument.

The signs + or – after the time of a *P* phase mean that the initial motion is upwards or downwards respectively.

In *P* ($\pm a, \pm b, \pm c$) *a*, *b* and *c* are trace amplitudes in mm. of first swing on NS, EW and vertical component records respectively; + means that ground motion is directed to N, E or up, – that it is S, W or down. When a second set of amplitudes is given, it is those of the second swing. An *x* replaces a small amplitude that cannot be measured accurately.

* affixed to time of phase indicates that the beginning is in a time-mark.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks
			P or PKP		S				
			m s	m s	m s	m s	h m	°	
1	1953 Jan. 2	3	e 19 34	e 27 32			38	58	Kamchatka.
2	2	11	e 35 41				63		Peru.
3	2	22	e 11 24						
4	3	11	e 03 51		e e 04 42	e 05 20			Near shock.
5	3	18					43		
6	5	5	e 02 30	e 10 31	14.0		21	58	Komandorski Islands region.
7	5	7	i i 58 03—	i 65 47	e 58 59	i 59 36	74	56	i 65 ^m 56 ^s . Komandorski Islands region.
8	5	8	e 33 23						Following phases disturbed by previous shock. Repetition.
9	5	10	i 16 40+	i 24 49	e 18 53	i 20 31	32	60	i 25 ^m 15 ^s . Kurile Islands.
10	5	10	i 26 40						Later phases disturbed by previous shock. Kurile Islands.
11	5	10	i 46 09				57		
12	6	23							
13	7	0	e 08 35				42		Albania.
14	7	1	e 26 00						»
15	7	5	e 58 40	i 66 31	i 66 50	68 30	76	57	Off east coast of Kamchatka.
16	7	12	e e 12 12				29		Costa Rica.
17	7	14			e 28 15	33.8	63		PS 37 ^m 53 ^s . iPPS 39 ^m 19 ^s . i 45 ^m 00 ^s . New Britain.
18	9	16	e 53 49						Atlantic Ocean.
19	10	10	e 11 30						Aleutian Islands.
20	10	13	e 50 13						Kamchatka region.
21	11	23	e 00 36	i 06 18	e 01 51	08 58	11.9	37	Yukon, Canada.
22	12	17	i e 33 43—	i 41 52	e 37 53	i 42 22	51	60	SS 46 ^m .0. SSS 47 ^m .9. Deeper than [normal. Kurile Islands.
23	13	2					32		
24	14	9	e 49 34						Japan.
25	14	13	i 06 05						Kamchatka.
26	15	8	i 21 00						
27	15	12	e 17 17		e 27 53		47		Near Hawaii.
28	15	20					38		
29	17	17	e 39 52						Depth abt. 150 km. Kurile Islands.
30	18	18	i 17 51				39		Kamchatka.
31	19	5	i 08 22	i 17 21	i 17 36		28	68	Near southeast coast of Hokkaido, Japan.
32	20	17	i 47 16				84		Molucca Passage.
33	20	17	e 50 47						
34	20	18	e 03 19						
35	21	1	i 53 02				73		Kurile Islands.
36	25	9	e 02 38						Probably near shock.
37	25	9	e 05 11		e 06 18				» » »
38	25	17	e 02 15						» » »
39	26	5	e 12 28						Kamchatka.
40	27	3	e 22 50	e 30 37			43	56	Off east coast of Kamchatka.
41	27	3			e 43 42				New Britain.
42	27	4	e 16 18						Off Kamchatka.
43	30	4	e 50 48		e 51 19				
44	30	15	e 40 30						Kamchatka.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks								
			P or PKP		S												
			m	s	m	s	m	s	m	s	h	m	°				
171	1953 April 5	3	e	54	11				e	54	41	i	55	01	Near shock.		
172	5	9	e	13	44										Kermadec Islands.		
173	5	10	e	28	02					43.9				57	Off east coast of Formosa.		
174	5	14	i	42	31+										Peru.		
175	6	0	e	51	08				i	54	58	i	55	55	<i>e</i> 63 ^m 25 ^s . <i>iPS</i> 65 ^m 30 ^s . 65 ^m 50 ^s . <i>i</i> 71 ^m 44 ^s .		
176	6	1	e	05	39				i	05	45				[Banda Sea.		
177	6	4	i	03	03+				e	08	49	i	13	27	SS 20 ^m .9. Philippine Islands.		
178	6	12	i	e	24	35+	e	32	38	i	32	50	e	34	40	Near east coast of Kamchatka.	
179	8	0			12.5					e	16	44	e	22	52	Philippine Islands.	
180	8	2	e	42	25												
181	8	5	e	23	30										Kamchatka.		
182	10	18	e	49	28										Kamchatka.		
183	12	22	i	40	09+										Greece.		
184	13	12			58.7										<i>PP</i> 44 ^m 41 ^s . 47 ^m 08 ^s . <i>iSKS</i> 50 ^m 25 ^s . <i>iSP</i>		
185	14	13	i	i	41	00	i	50	41	i	43	05	i	44	04	51 ^m 39 ^s . <i>esS</i> 54 ^m 24 ^s . <i>isSP</i> 55 ^m 19 ^s . <i>SS</i>	
186	14	13	e	59	01										[56 ^m 27 ^s . <i>sSS</i> 59 ^m 19 ^s . Depth abt.		
187	14	14	e	07	02										[650 km. Western Brazil.		
188	15	1	i	27	11		e	35	22					47	60 Kurile Islands.		
189	15	18	i	16	52										Kamchatka.		
190	16	9	e	05	50										Kurile Islands.		
191	17	0	i	15	22					e	25	50	e	26	40	SS 31 ^m .0. Northern Peru.	
192	17	11													64 New Britain.		
193	18	3	e	e	29	17								1.4			
194	18	23	e	37	34		i	47	40	i	52	51			63	80 Off Mexico.	
195	19	16	i	06	05										.7	Japan.	
196	19	22			57.7										77	Aleutian Islands.	
197	20	12													05		
198	21	0	i	55	46					i	e	55	48			Possibly breaking up of the Ice.	
199	21	0													46		
200	23	4	e	02	11										31	China.	
201	23	4	i	04	49											Repetition.	
202	23	16	e	39	27					e	43	02	i	44	03	<i>iPS</i> 53 ^m 52 ^s . <i>iSS</i> 60 ^m 17 ^s . New Britain region.	
203	24	2	e	12	08		i	13	56	i	e	12	13	e	14	02	9 Off west coast of Spitzbergen.
204	24	23	e	48	10											China.	
205	25	16	e	33	15										.9	»	
206	26	12													52		
207	27	13	e	04	49												
208	29	3	e	50	10					i	e	51	27	e	57	05	89 61 ^m 33 ^s . Solomon Islands.
209	29	20	i	31	53		e	40	33	e	32	15				54	67 Hokkaido, Japan.
210	29	22	i	03	37												Kurile Islands.
211	30	0	e	42.0												44	Near shock.
212	30	1	e	19	13												Kamchatka.
213	30	6	i	45	54+					i	i	48	03	i	49	12	87 <i>e</i> 58 ^m 11 ^s . <i>i</i> 62 ^m 21 ^s . <i>SS</i> 66 ^m .2. <i>SSS</i>
214	30	15	i	53	44										63.7	69	70 ^m .2. Loyalty Islands. Caucasia.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks
			P or PKP		S				
			m s	m s	m s	m s	h m	°	
215	1953 May 1	21					53		Western Turkey.
216	2	5	i 49 34				62		»
217	2	18	e 45 19		47 02		45.7		»
218	2	18	e 48 07	e 56 08				58	Off Kamchatka.
219	4	0	e 09 03				39		China.
220	4	4		21.8	e 23 52		34		Kamchatka.
221	4	11	i e 38 54-	e 46 48	e 47 02	e 49 01	56	57	Off east coast of Kamchatka.
222	4	15	i 39 30+	e 50 21	i 43 50	i 53 18			isS 54 ^m 13 ^s . 55 ^m .7. 61 ^m .1. Depth abt. 600 km. Argentina.
223	4	23	i 37 03-						Kurile Islands.
224	6	17	e e 31 32		e 31 57	e e 34 48	72		35 ^m 22 ^s . iiPP 36 ^m 10 ^s . iPPP 38 ^m 25 ^s .
225	7	11					51		[38 ^m 38 ^s . iSKS 42 ^m 00 ^s . i 43 ^m 58 ^s . ipS
226	7	16					03		[44 ^m 15 ^s . iPS 45 ^m 51 ^s . iPPS 46 ^m 53 ^s .
227	8	4					10		[iSS 51 ^m 45 ^s . iSSS 56 ^m 08 ^s . Depth abt. [100 km. Chile.
228	8	5			17.3				
229	9	12					32		
230	10	5	e 29 49				72		New Hebrides.
231	11	10	i i 35 52		e i 38 05	i 39 19			i 39 ^m 27 ^s . ePPP 41 ^m 08 ^s . SKS 43 ^m .1. SKKS 45 ^m 11 ^s . SS 55 ^m .5. SSS 60 ^m .9. [Loyalty Islands.
232	12	4	e 46 53						ScS 35 ^m .6. Depth abt. 100 km. Aleu- tian Islands.
233	13	4	i e 26 05+	e 34 01	e 26 14		45		SS 32 ^m 56 ^s . 35 ^m 06 ^s . Kermadec Islands.
234	13	12	e 12 17		e 15 57	e 24 56	62		
235	14	7	12.6						Off coast of Vancouver.
236	14	7		e 57 48	61.6		66		»
237	14	18		e 43 53	47.7		52		»
238	15	8	i 48 10						
239	15	10					07		
240	16	0	35.7						
241	17	13			40.8	45.7	1.2		SSS 49 ^m .7. Sumatra.
242	17	17	e 33 26				55		Off Kamchatka.
243	17	22	e 23 34		e 24 04	e 33 03			Depth abt. 100 km. Japan.
244	18	8	e e 20 19	e 26 54	i 20 27	i 27 02	32.6	45	e 30 ^m 19 ^s . Mid Atlantic Ocean.
245	18	8			e 34 06				Masked by previous shock. Sumatra.
246	18	9	e 36 44						
247	19	3	i i 20 06+	i 29 10	e 23 20	i 29 21	38	59	iScS 31 ^m 00 ^s . SS 33 ^m .0. SSS 35 ^m .0. Off south coast og Kamchatka.
248	19	6	e 02 32						Kamchatka.
249	19	16			e 14 10	15 13	42		SS 22 ^m .1. Sumatra.
250	20	8	e 05 00		e 27 25	33.1			South Pacific Ocean.
251	20	11			e 02 15	04 30	35		SKS 08 ^m 15 ^s . e 12 ^m 10 ^s . SS 17 ^m .9. Depth abt. 200 km. Celebes region.
252	20	23	e 23 11	e 30 24	34.3		39	50	British Columbia.
253	21	2			21.6		33		Guatemala.
254	21	10					44		
255	21	12		e 45 47	e 49 20		54		British Columbia.
256	22	20			e 34 20				Depth abt. 600 km. Fiji Islands region.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks									
			P or PKP		S													
			m	s	m	s	m	s	h	m	°							
257	1953 May 24	1	e	38	44		40.7	e	42	16	78		48 ^m 43 ^s . 50 ^m 55 ^s . SS 57 ^m 53 ^s . Sandwich Islands region.					
258	25	2	e	41	07						57		Kurile Islands.					
259	25	12					e	56	33				Sumatra.					
260	25	17	e e	50	29		e	58	35	58	40	60	55	69	59	Off south coast of Kamchatka.		
261	26	1	i i	54	03		i	62	56	i	63	20	63	56	73	67	64 ^m 10 ^s . South of Hokkaido, Japan. Near shock.	
262	26	22					e	32.7		i	39	19			64	62	Kurile Islands region.	
263	28	3	e	41	15		e	49	36*									
264	31	0	e	38.3														
265	31	5	e	18	48			e	19	52	e	21	56	54			e 23 ^m 09 ^s . eSKS 25 ^m 29 ^s . ePS 29 ^m 19 ^s . 30 ^m 31 ^s . eSS 35 ^m 14 ^s . 36 ^m 10 ^s . SSS [39 ^m .0. Depth abt. 100 km. Flores Sea.	
266	31	15	e	46	12													
267	31	19						e	57	06								
268	31	20	e e	08	36		i	16	40	e	10	43	e	12	02	27.2	59	i 13 ^m 25 ^s . i 14 ^m 48 ^s . i _E 16 ^m 51 ^s . i _N [17 ^m 28 ^s . iScS 18 ^m 25 ^s . iSS 20 ^m 10 ^s . [SSS 22 ^m 40 ^s . Near north coast of [Dominican Republic.
269	31	20	i	38	26													
270	June 1	20	i	50	27													
271	2	22												44				
272	3	3												03				
273	3	16												26				
274	3	18												22				
275	6	2						e	23	33				.0				
276	6	6	e e	10	06		e	13	21					14.5	18		North Atlantic Ocean.	
277	6	12	e	10	02		e	13	23					14.7	18		»	
278	6	17												37				
279	7.	12	e	33	53		i	41	57	i	37	42	i	42	09	52.7	59	eScS 43 ^m 52 ^s . SSS 48 ^m .1. Near north coast of Dominican Republic.
280	8	3	e	07	24													Atlantic Ocean.
281	8	11	e i	50	19		i	58	16	i	58	31	e	60	08	68	57	i 60 ^m 26 ^s . SS 61 ^m .7. SSS 64 ^m .7. Depth abt. 60 km. Near east coast of Kamchatka.
282	9	1	e i	48	50		e	56	46	i	51	16	e	52	21	66	57	i 56 ^m 56 ^s . eScS 58 ^m 41 ^s . Near east coast Kamchatka.
283	9	16	i	36	01+									50				Turkey.
284	10	18								e	43	01	e	52	27	79		Molucca Islands.
285	11	13	e	42	30		e	42	57	i	43	17						Near shock.
286	11	14												30				
287	13	6												33				
288	13	17						e e	27	06								
289	13	18	i	46	34								55.9	59				Gulf of Corinth.
290	14	4												47				
291	15	17	i i	56	03+		i	63	06	e	57	47	i	57	58	70.5	49	ePPP 58 ^m 41 ^s . eScS 65 ^m 56 ^s . eSS 66 ^m 13 ^s . iSSS 66 ^m 53 ^s . South of Kodiak Island.
292	16	10	e e	05	09		i	15	06	i	05	18			32	78		South of Honshu, Japan.
293	16	16	e	21	08					i	24	25	30.3					36 ^m 27 ^s . eSS 40 ^m 58 ^s . e 43 ^m 23 ^s . Depth abt. 100 km. Tonga Islands region.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks					
			P or PKP		S									
			m	s	m	s	m	s	m	s	h	m	°	
294	1953 June 16	19	i	i 57 25			i	57 40	i	57 49	72			Deeper than normal. Near south coast [of Alaska.
295	17	2									03			Near coast of southern Peru.
296	17	14			e	32 50					58			Turkey.
297	18	5	e	51 24	e	57 25	e	52 47			66	40		No records 18 ^d 8 ^h to 18 ^h .
298	19	23									09			Indian Ocean.
299	22	0					e	24 58	30.4		.8			Near south coast of Kamchatka.
300	23	14	e	e 03 30	i	11 30	i	07 23	i	11 53	18.5	58		
301	24	21	i	29 14										Kurile Islands.
302	25	10	e	58 49			e	62 39	e	63 31			97	e 65 ^m 40 ^s . Flores Island.
303	25	10	e	59 51			e	64 40	e	66 33				PS 74 ^m 06 ^s . SSS 84 ^m .3. Flores Island.
304	25	21	i	59 33+										Depth abt. 100 km. Trinidad.
305	26	6	e	01 33			e	02 34	i	08 25	30.0			iSKKS 09 ^m 37 ^s . iPS 12 ^m 09 ^s . e 12 ^m 37 ^s . e 13 ^m 22 ^s . eSS 17 ^m 25 ^s . eSSS 22 ^m 40 ^s . Flores Island.
306	26	7	e	53 15										Depth abt. 550 km. South of Fiji [Islands.
307	26	9	e	23 13			i	23 24						Depth abt. 550 km. Fiji Islands region.
308	27	8	i	01 17			i	e 03 52						Solomon Islands.
309	27	10						e	17.0		44			South of Honshu, Japan.
310	28	5	e	e 49 07	i	59 04	e	59 48			75	78		
311	29	3						48.9			58			Off coast of Panama.
312	29	8					e _N	27 42	e _E	27 54				e 28 ^m 37 ^s . Perhaps L-waves from near [shock.
313	29	22	e	25.8										Tibet-Nepal-India border.
314	29	23	e	37 46										Peru.
315	30	1	e	28 12										Mariana Islands.
316	30	3	e	14 54										Near east coast of Kamchatka.
317	30	7	i	47 28+			i	48 24			66			Peru.
318	30	13	e	35 58										
319	30	17									25			
320	30	22	e	52.5	e	60 30		62.6			67			Southeast coast of Kamchatka.
321	July 1	3	i	i 09 33	i	17 38		17 59		19 44			59	Slightly deeper than normal. South of Kamchatka.
322	2	7	e	i 15 37			e	i 16 40	i	17 39				18 ^m 54 ^s . ie 33 ^m 14 ^s . Depth about 200 km. New Hebrides.
323	2	8	e	59 22										Japan.
324	2	13			e	55 44	e	57 02						Near coast of southern Peru.
325	3	5	i	43 31	e	53 39							80	Japan.
326	3	16	e	39 57										
327	3	18	e	48 47										Sandwich Islands.
328	7	4					e	25 11		31 24				34 ^m 26 ^s . 35 ^m .6. 37 ^m .8. Sumatra.
329	7	13	e	54 31										Kurile Islands.
330	7	17	e	40 23										Japan.
331	9	19			e	19 48					29			Sinkiang, China.
332	9	21	i	31 42	e	37 59		33 03			43	42		North Atlantic Ocean.
333	10	15			e	35 34	e	28 54		30 40				iSKS 33 ^m 55 ^s . i 34 ^m 51 ^s . 37 ^m 10 ^s . 38 ^m 32 ^s . 42 ^m .8. Depth abt. 600 km. Java Sea.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks
			P or PKP		S				
			m s	m s	m s	m s	h m	°	
334	1953 July 12	7			e 02 16	04 30			iSKS 08 ^m 26 ^s . SKKS 09 ^m 20 ^s . iPS 11 ^m 46 ^s . 13 ^m 21 ^s . SS 17 ^m .8. No Gal. Z-record. New Guinea.
335	13	13	e 58 31		i 58 40				Very short periodic.
336	15	10	i 21 28						
337	17	20			e 16 38				
338	20	8	e 27 14		i e 29 28	i e 30 35	1.1		30 ^m 49 ^s . 31 ^m 10 ^s . PPP 32 ^m 36 ^s . 36 ^m 23 ^s . 37 ^m 17 ^s . PS 39 ^m 44 ^s . 41 ^m 36 ^s . 42 ^m 55 ^s . iSS 46 ^m 57 ^s . sSS 47 ^m 34 ^s . No Gal. Z-record. Depth abt. 100 km. Tonga [Islands region.
339	21	2	e 09 19						No Gal. Z-record. Riu-Kiu Islands.
340	21	17	i e 34 49	e 44 55				80	
341	22	5	i e 21 09	i 29 13	e 23 13	i 25 03	38		i 29 ^m 36 ^s . iScS 31 ^m 22 ^s . SS 33 ^m 14 ^s . Deeper than normal. No Gal. Z-record. [Kamchatka.
342	23	18					.9		
343	26	17	e e 06 04	i 16 43	09 08	i 16 12			iPS 17 ^m 45 ^s . SS 22 ^m 48 ^s . No Gal. Z-record. Depth abt. 200 km. Mariana Islands.
344	28	7	i 57 48		e 61 13				No Gal. Z-record. Depth abt. 550 km. Fiji Islands region.
345	29	13	e 44 13	e 53 51			67	75	Mid Atlantic Ocean.
346	29	18	e 26 53	e 36.1	29 25	31 10	50		40 ^m .8. No Gal. Z-record. Guatemala.
347	Aug. 3	0			41.8	42 39	1.1		
348	6	21					14		
349	9	7	e 48 38	e 54 39	e 50 13	e 57 47	61	39	e 58 ^m 10 ^s . Ionian Islands.
350	11	3	e 39 55*						Ionian Islands. No H-records.
351	12	9	i i 31 26—	i 37 31	e 32 54	e 40 07	43.2	40	» »
352	12	12	e e 12 57*	e 19 00	e 14 21		25	40	» »
353	12	14		e 22 22	e 17 41		29		» »
354	16	3	i 22 14—	e 32 28	i 22 54—				Depth ab . 150 km. Peru-Brazil border.
355	16	23			24.1		26		
356	17	4					.3		
357	27	21					46		
358	28	0					33		
359	29	2			e 18 53	e 19 54	31		e 26 ^m 37 ^s .
360	29	14		e 22 17	17 35		28.3		Algeria.
361	31	5					42		
362	31	8	i 02 23	i 10 08			19		Deeper than normal. Near east coast [of Kamchatka.
363	31	17					38		
364	Sept. 2	0		e 51 04	e 54.3		61		Caucasia.
365	4	7	e i 33 06	i 41 11	e 33 56	e 35 15	52.5	60	iPPP 36 ^m 46 ^s . i 41 ^m 35 ^s . iScS 43 ^m 19 ^s .
366	4	15					05		[eSS 45 ^m 11 ^s . eSSS 47 ^m 46 ^s . Deeper
367	5	14					43		[than normal. Kurile Islands.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks
			P or PKP		S				
			m s	m s	m s	m s	h m	°	
368	1953 Sept. 5	19					30		
369	7	4	e 06 39	e 12 53	e 08 21	e 15 05	18.2	41	eSSS 15 ^m 32 ^s . eScS 17 ^m 02. Turkey.
370	10	4	i 14 24	e 21 12	e 16 11		25	45	Near west coast of Cyprus.
371	14	0			e 47 37	i 50 47	84		ePS 57 ^m 34 ^s . eSS 64 ^m .2. 70 ^m .1. Fiji Islands.
372	14	11			e 50 45	e 51 07	73		Indian Ocean.
373	14	15		e 09 47			17		Greece.
374	16	2					50		
375	17	21			e 33 11	e 36 29	72		e 42 ^m 44 ^s . SS 49 ^m .9. Depth abt. 100 km. Tonga Islands.
376	23	2	e i 24 36	i 32 42	e 25 35	i 28 38		60	i 33 ^m 07 ^s . eScS 34 ^m 12 ^s . i 34 ^m 42 ^s . eSS 37 ^m 02 ^s . iSSS 39 ^m 22 ^s . Kurile Islands.
377	29	1	e i 55 43		i 57 05	i 57 38			ee 59 ^m 07 ^s . i 71 ^m 57 ^s . i 74 ^m 30 ^s . e 79 ^m .1. Strong microseisms. Depth abt. 300 km. Off New Zealand.
378	30	23		i 24 17	i 28 37	i 31 51	36		Strong microseisms. Off Mexico.
379	Oct. 5	4	i 41 21				59		Strong microseisms. Near east coast of Kamchatka.
380	6	22			e 09 36	e 13 32	32		e 16 ^m 42 ^s . Strong microseisms. New Britain region.
381	8	19					48		Strong microseisms.
382	9	1	e 45 38				55		Off west coast of Greece.
383	10	21	e 36 45				37	60	Masked by microseisms. Kurile Islands region.
384	11	13	e 18 42	e 26 51	33.3		42		Tibet.
385	11	17			34.2		25		
386	13	9							
387	14	14	i e 57 58						Depth abt. 100 km. Near east coast of Hokkaido, Japan.
388	16	10	e 04 26				31		Mexico.
389	17	21			31.1		37		Off Kamchatka.
390	21	11					55		
391	21	18	i 47 24	e 53 35	i 47 31		60.3	40	Ionian Islands.
392	23	13	e 00 10		i 00 14				Near shock?
393	24	14	e 46 32						» »
394	26	13			e 58 41				L from near shock?
395	27	3	e 51 39						Strong microseisms. Japan.
396	Nov. 1	21	i 06 04						Kurile Islands region.
397	4	4	e 08 08		12 00	14 48	47		26 ^m .5. Masked by microseisms. New Hebrides.
398	4	6	e 15 22						Depth abt. 650 km. Off east coast of [Korea.
399	4	13					27		
400	5	8	e 31 03						Depth abt. 200 km. Hindu Kush.

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks
			P or PKP		S				
			m s	m s	m s	m s	h m	°	
401	1953 Nov. 7	14					.0		
402	8	6	e 26 59	i e 27 33	i 27 07			3	Jan Mayen region.
403	8	6	i 37 32	i i 38 02	e 37 36	i 37 44		3	» »
404	8	6	e i 49 35		e 49 39				Strong microseisms. Jan Mayen region.
405	8	7	e 08 46						Strong microseisms. Jan Mayen region.
406	9	17	i 35 29	e 43 27	i 43 52	i 45 44	55	58	Deeper than normal. Near east coast of Kamchatka.
407	10	23	i 50 20	e 58 23			1.1	59	Deeper than normal. Off south coast of [Kamchatka.
408	13	12					15		
409	13	16	e 30 31		e 41 33	48.7	64		Near west coast of Sumatra.
410	13	19			44 22	47.5			SS 52 ^m .9. New Hebrides.
411	14	20		i 21 24	e 21 37	e 23 16	32		Off southeast coast of Kamchatka.
412	17	13	i 41 13		e 43 44				Strong microseisms. Off Guatemala.
413	23	5	i 57 53						Sinkiang Province, China.
414	25	8			e 33 42	e 35 06			e 37 ^m 36 ^s . Seismic?
415	25	17	e 55 03						Fiji Islands region.
416	25	18	i i 00 34	i 10 11	i 03 23			74	Off south coast of Honshu, Japan.
417	26	0	e i 15 14	i 24 57	i 25 42	29.3	40	75	SSS 32 ^m .8. Strong microseisms. Repetition.
418	26	1	e 59 12	e 68 56	i 69 11			76	Strong microseisms. Repetition.
419	26	8	i 25 58	e 35 44	e 35 58	40.0	51	76	eSSS 43 ^m 52 ^s . Strong microseisms. Repetition.
420	26	8	e 31 32						Strong microseisms. Repetition.
421	27	11	e 41 46						» » »
422	27	18	e 43 58						
423	28	18	e 59 36		e 59 54				Near shock.
424	28	20	e 25 06						Off west coast of Greece.
425	29	0	e 45 17				66		Sinkiang Province, China.
426	30	6	e 09 03						
427	30	13	e 28 28						Near west coast of Greece.
428	30	13	e 55 12						Honshu, Japan.
429	30	18	e 00 03						» »
430	Dec. 1	4	i 24 53		e 25 32				Depth abt. 100 km. Aleutian Islands.
431	1	5	i i 20 26+	e 30 00	e 21 24	e 23 30			Masked by microseisms. Depth abt. [200 km. Riu-Kiu Islands.
432	1	16	e 24 12						Honshu, Japan.
433	1	16	i 30 04						
434	1	21			e 43 29				
435	2	4			e e 44 14	i 53 47	79		iPPS 54 ^m 51 ^s . iSS 59 ^m 56 ^s . Masked by microseisms. Northern New Guinea.
436	2	9	e 59 03						Honshu, Japan.
437	2	10	e 42 26						» »
438	3	15	i 04 58				26		Masked by microseisms. Tibet.
439	4	8	e 02 36				22		Sinkiang Province. China.
440	4	8	e 36 16						Honshu, Japan.
441	4	15	e e 03 40	i 10 52	e 05 38	e 13 33	19	50	eSS 14 ^m 03 ^s . Off Vancouver Island.
442	4	18	e 28 46		e 29 00				

Scoresby-Sund

No.	Date	Hour	Forerunners				L	△	Remarks					
			P or PKP		S									
			m	s	m	s	m	s	m	s	h	m	°	
	1953 Dec.													
443	5	9	i	53 02	e	62 45	i	63 00			1.4		76	Honshu, Japan.
444	5	16	e	01 06										
445	5	17	e	57 47			e	58 42						
446	5	18	e	51 08										
447	7	2	e	19 06	i	30 26	e	24 46	i	29 40				Honshu, Japan. i 30 ^m 05 ^s . ipS 30 ^m 52 ^s . isS 31 ^m 16 ^s . i 36 ^m 06 ^s . i 36 ^m 26 ^s . Depth abt. 100 km. Northern Chile.
448	7	14	e	22 45	e	31 56					48		70	Near Honshu, Japan.
449	8	2	e	23 03	e	33 06					.9		79	Bonin Islands region.
450	10	5	e	05 55			e	06 06	e	06 51				
451	11	0	e	23 12			e	23 44						
452	11	1	e	13 00			e	13 12						
453	20	21	e	31 55			i	32 07			59			Honshu, Japan.
454	21	17	e	47 15										Near south coast of Hokkaido, Japan.
455	24	23	e	31 04							51			Strong microseisms. Near east coast of Kamchatka.
456	25	2	e i	01 21	i	09 21	i	01 23			18	58		Masked by strong microseisms. Near east coast of Kamchatka.
457	25	16	e	24 55										Honshu, Japan.
458	28	2	i	46 15							61			Near west coast of Greece.
459	28	7	e	20 12			e	20 46						

October 1957.

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