VEÐURSTOFAN, REYKJAVIK, ICELAND.

SEISMOLOGICAL BULLETIN 1951

STATION: REYKJAVIK
LAT. 64°08'20"N, LONG. 21°54'22"E. ELEVATION 44 m

COMPONENTS	INSTRUMENTS	T_1	T	V	V_S
N	MAINKA 135 kg		7,6	58,0	
E	MAINKA 135 kg		5,7	91,5	
Z	SPRENGNETHER	1,5	1,5		Variable

V_S variable. Each value of V_S applies until a new one is given.

No.	Date	Comp	Phase	GMT h.	m.	s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
1.	Jan. 6	E	iP ?	05	28	12					Epicenter 36,5°N,70,5°E
		E	i ?		29	42					h=250 km (USCGS)
		NE	iS		36	25					
		N	e		41	30					
			F	05	51						
2.	Jan. 6	N	eS	08	13	48					Epicenter 7,5°N,81°W,h=100 km
		NE	eL		21,6						
			F	08	42						
3.	Feb.12	N	eL	17	52,4						
		NE	M		57,1						Epicenter 66°N,136°E(USCGS)
			F	18	04						
4.	Feb.13	NE	iP	22	22	34					Epicenter 56°N,155,5°W
		NE	iPP		24	39					(USCGS)
		N	iP_cS ?		25	43					
		N	e		27	35					
		NE	eS		30	30					
		NE	i		32	28					
		NE	eSS ?		33	55					
		N	e		35	50					
		E	eL		38,2						
		N	L		40,4						
		NE	M		44,7		28,0	0,8		0,6	
			F	23	38						
	Feb.21										Vertical component seismometer placed in operation. V_S = 375.

No.	Date	Comp.	Phase	GMT h.	m.	s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
5	March 8	E	iP	12	30	41			<0,1		Local. Z out of operation
		E	iS ?			46					at beginning of tremor due
		NEZ	L		30,8			0,2	0,2	0,6	to power failure.
			F	12	32						
6	March 8	NEZ	iP	16	37	48		<0,1	<0,1	-0,4	S-P = 6,9 s
		Z	i			49				+1,2	
		Z	i			53					
		NEZ	iS			55					
		NEZ	i			57					
		NE	L		38	01		1,4	4,1		
		Z	i			28					
		Z	i			36					
			F	16		,8					
7	March 10	EZ	iPKP	22		31			0,1	-1,2	Epicenter 15,5°S,167,5°E
		Z	i			01					(USCGS). Microseisms disturbing.
		Z	i			31					
		Z	i		19	44					
			F		20						
8	March 23	Z	iPKP	21	57	58	0,3			-0,9	Epicenter 31°S,180° (USCGS)
		Z	ipPKP ?		58	04					E-Wnot operating
		Z	i		59	25					
		Z	i	22	01	18					
			F	22	03						
9	March 28	Z	i	02	14	27				-0,7	
		Z	i			36					
			F	02	15						
10	Ap. 12	Z	e ?	04	28	15				0,1	Local.
		Z	i			21				0,3	
		Z	i			25					
			F	04	29						
11	Ap. 12	EZ	iP	04	38	38			<0,1	-0,1	S-P = 5,7 s.
		NEZ	iS			45		0,1	0,2	-1,0	
		Z	i			47					
		Z	i			52					
			F	04	39,3						
12	Ap. 12	EZ	iP	06	54	17			<0,1	+0,6	S-P=5,0
		Z	i ?			20					
		EZ	iS			22			<0,1	-0,6	
		Z	i			24					
			F	06	25						
13	Ap. 13	Z	iP	22	42	00				+0,2	Local
		Z	i			03					
		Z	i			06					
			F	22	43						
14	Ap. 13	Z	iP	22	45	26				+0,1	Local
		Z	i			30					
		Z	iS?			32					
			F	22	46						
15	Ap. 14	Z	iP	00	22	38				+0,4	S-P = 5,8s
		Z	i			39					
		Z	i			41					
		Z	iS			44				+0,7	
		Z	i			47					
			F	00	23						
16	Ap. 14	Z	iP	00	58	25	1,4			+0,7	Epicenter 24°S,66,5°W, h=250km
		Z	i			33					(USCGS)
		Z	ipP ?		59	13					
			F	01	00						

No.	Date	Comp.	Phase	GMT h.	m.	s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
17	Ap. 14	Z	iP	04	19	54				-0,1	Turkistan (USCGS)
			F	04	21						
18	Ap. 1[illegible]	Z	iP	03	16	39				-0,1	Local
		Z	i			40					
		Z	iS ?			42					
			F	03	17						
19	Ap. 15	Z	iP	03	18	06				-0,2	S-P = 4,6s
		Z	i			08					
		NEZ	iS			11		<0,1	0,2	+0,8	
		Z	i			13					
			F	03	19						
20	Ap. 18	Z	e	03	44	56				0,1	Local
		Z	i			58					
			F	03	45,3						
21	Ap. 22	Z	iP	12	40	55					Epicenter 76°N,73°W (USCGS)
		Z	iP		41	16					
		Z	i			48					
			F	12	42						
22	Ap. 23	Z	i ?	07	08	58					Time accuracy ±5s due to lack of minute marks.
		Z	i		10	06					
		Z	i		11	14					
			F	07	12						
23	Ap.26	Z	iP	16	01	55				-0,1	S-P = 5,2s
		Z	i			57					
		NEZ	iS		02	01		<0,1	<0,1	+0,6	
		Z	i			04					
		NE	eL			09		0,1	0,1		
			F	16	03						
24	May 6	Z	iP	23	14	23					V_S = 3080. Epicenter 13,5°N 88°W. Faulty record
		Z	i		18	51					
			F	23	19						
25	May 7	Z	iP	20	33	24				-2,0	Aftershock of No 24 (USCGS)
			F	20	34						
26	May 12	Z	iP	12	16	23				+0,1	S-P = 3,6s. V_S=37,5. Epicenter probably about 40 km S of Reykjavik.
		Z	i			24					
		Z	i			25					
		NEZ	iS			26					
		Z	i			29					
			F	12	17						
27	May 12	Z	i ?	22	48	54					Local
		Z	i			56					
			F	22	49						
28	May 13	Z	i	20	01	36					Perhaps not seismic.
		Z	i			51				0,3	
			F	20	02						
29	May 15	Z	iP	05	31	49				+0,6	Epicenter 2[illegible]S,69,5°W, h- 100 km (USCGS)
		Z	e		32	03					
		Z	i			04				+0,6	
			F	05	33						
30	May 21	Z	i	08	46	02				-0,4	
			F	08	47						

No.	Date	Comp	Phase	GMT h.	m.	s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
31	May 31	Z	iP	21	09	05				-1,6	V_S = 3000. Epicenter 19°N,
		Z	i?			21					121°E, h= 100 km
		Z	i			25					
			F	21	11						
32	June 5	Z	iP	17	11	13				-1,1	
		Z	i ?			29					Microseisms disturbing.
		Z	i		12	08					
			F	17	13						
33	June 6	Z	iP	16	12	57				+ 2,0	Epicemter 71,5°N,8°W(USCGS)
		NE	eP			58					
		Z	i		13	02					
		E	e			10					
		E	e			26					
		NE	eL			54					
		NE	iL		14	07	12,5	+1,8	+3,6		
		Z	iL			51	8,2			22,0	
		NEZ	M		16,7		7,6	12,0	22,0	58,0	
			F	17	06						
34	June 7	Z	iP?	22	43	27				0,1	Jan Mayen aftershock
		Z	i			29					Microseisms disturbing.
		Z	i			35				+1,9	
		Z	i			53					
		E	e		45	17					
		NE	eL			40					
		Z	eL		46	07				1,7	
		NE	M		47,7		5,5	0,2	0,3		
		Z	i		48	19					
		Z	i		51	44					
			F	22	53						
35	June 7	Z	iPKP	23	18	21					Epicenter 27,5°S,176°W(USCGS)
		Z	iSKP		21	57					
			F	23	23						
36	June 11	Z	i	04	02	10				< 0,1	Local. Perhaps not seismic.
		Z	i			13				0,2	
			F	04	03						
37	June 25	Z	iP	16	21	13				-1,8	Epicenter 61°N,150°W
		Z	e			30					h= 100 km (USCGS)
			F	16	26						
38	July 11	Z	eP	13	06	10					Epicenter 52°N,178°E,
		Z	ipP		07	09				-1,1	h = 150 km (USCGS)
			F	13	08						
39	July11	Z	iP	18	33	50				-1,2	Epicenter 28,5°N,139,5°E,
		Z	i			53					h = 550km (USCGS)
		Z	i		34	17					
		Z	ipP		35	37				-3,0	
		Z	i			43					
		Z	e		39	09					
		Z	i		43	35					
		Z	L		47,0						
			F	19	28						
40	July 14	Z	iP	17	51	35				+3,2	S-P = 52,2s
		EZ	i			39					
		NZ	e		52	09					
		EZ	iS			28					
		NE	i			32					
		NE	L			40	6,1				
		NEZ	M		53,2			1,4	1,3	13,0	
			F	17	56						

No.	Date	Comp.	Phase	GMT h. m. s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
41	July 14	Z	iP	18 43 03					
		Z	i	18					Microseisms disturbing on Z
		NE	eI	44 05					
		NE	M	44,5	5,5	0,2	0,2		
			F	18 46					
42	July 16	EZ	iP	10 56 25					S-P = 17 s ca.
		EZ	i	27					Microseisms disturbing on Z
		NE	iS	42					
		NEZ	i	45					
		E	L	51	3,3		0,3		
		N	i	59					
			F	10 58					
43	July 16	EZ	iP	11 00 32					S-P = 18,8 s. Microseisms.
		NE	iS	51					disturbimg on Z
		NE	i	53					
		Z	i	57					
		NE	L	01 04					
		NEZ	M	01,2	3,3	0,3	0,4	7,0	
			F	11 04					
44	July 16	EZ	iP	11 12 22				+1,5	S-P = 20 s ca.
		Z	i	23					Microseisms disturbing on Z
		E	iS	42					S coincides with a minute
		NE	i	45					mark
		NE	eL	11 13 00		0,2	0,1		
			F	11 15					
45	July 18	Z	iP	09 16 49				-7,0	Epicenter 1°N, 27°W(USCGS)
		E	eP	50					N-S not operating.
		E	e	56					
		Z	iPP	18 49					
		Z	i ?	19 28					
		E	e	48					
		Z	i	21 03					
		E	eS	25 25					
		Z	iS	30					
		E	e	26 44					
		E	e	28 49					
		Z	eSS	30 08					
		E	eL	32,5			0,4		
		Z	eL	33,5					
		EZ	M	39,1	10,9		1,0	4,0	
			F	10 11					
46	Aug 2	Z	iPKP	03 58 27				+2,4	Epicenter 4°S,154,5°E,
		Z	ipPKP	04 00 27				+2,1	h= 500km (USCGS)
		Z	i ?	01 00					
		Z	iS	07 30					
		Z	i	08 20					
		Z	i ?	11 27					
			F	04 12					
47	Aug. 4	EZ	iP	18 44 12				+ 7,1	S-P = 4,5s. Felt in region
		E	i	13					40 km ESE of Reykjavik.
		NE	iS	16					
		EZ	i	19					
			F	18 46					
48	Aug. 8	Z	iP?	22 38 41					Epicenter 44°N, 128°W(USCGS)
			F	22 40					Record disturbed by microseis

No.	Date	Comp	Phase	GMT h. m. s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
49	Aug. 11	Z	eP	13 23 56				0,1	V_S = 375, S-P = 3,1
		Z	i	57					
		Z	iS	59				+0,4	
			F	13 24,4					
50	Aug.13	Z	iP	18 40 59				+1,1	V_S = 3000
		E	e	41 04					
		Z	i	05				-5,2	
		NEZ	ePP ?	42 04					
		Z	e	12					
		NEZ	i	45					
		NE	e	43 33					
		E	e	44 44					
		EZ	eS	47 04					
		N	eS	12					
		NE	e	49 40					
		N	eL	51,9					
		E	eL	55,1					
		NZ	M	58,2	17,5	0,9		5,5	
		E	M	19 01			0,7		
			F	19 30					
51	Aug 24	Z	i	14 31 58				+0,9	V_S = 375. Possibly not seismic.
			F	14 33					
52	Aug 31	Z	e	05 28 38					
			F	05 30					
53	Sep 21	Z	iP	16 42 21					Local, epicenter probably near Mt. Hengill
		E	e	24					
		EZ	i	27					
			F	16 43					
54	Sep 28	Z	iP	21 20 10				+0,6	S-P = 2,8s
		NEZ	iS	13				+0,9	
		Z	i	14				-1,0	
		Z	i	16					
			F	21 21					
55	Sep 30	Z	i	16 20 31					Local tremor, perhaps not seismic.
		Z	i	32					
			F	16 21					
56	Oct 3	Z	eP	12 21 30				0,1	S-P = 3,9 s
		Z	iS	34				0,2	
		Z	i	36					
			F	12 22					
57	Oct 18	Z	eP	08 38 15					Epicenter 42°N,142°E(USCGS) Microseisms disturbing
		Z	eS?	47 02					
			F	08 48					
58	Oct19	EZ	iP	15 00 42			<0,1	0,1	S-P = 4,2 s
		E	i	44					
		EZ	iS	46					
			F	15 01					
59	Oct19	EZ	iP	15 14 38				-0,6	S-P = 4,4s
		EZ	i	40				+1,0	
		NEZ	iS	43				-2,0	
		NZ	i	46					
			F	15 16					

No.	Date	Comp	Phase	GMT h. m. s.	Period	Trace Amplitude N-S	E-W	Z	Remarks.
60	Oct.22	Z	eP	21 47 07				+0,5	Formosa foreshock (USCGS)
		Z	ePP	50 37					
		Z	e	55 47					
		E	eS	58 06					
		E	eSSJ	22 07 04					
		E	eL	14,3	46,6		0,1		
		NEZ	M	22,3		0,1	0,4	0,1	
		NEZ	M	29,5		0,1	0,2	0,5	
			F	22 56					
61	Oct.22	Z	iP?	03 42 33					Epicenter 24°N,122°E(USCGS)
		E	e	53 38					Microseisms disturbing
		Z	e?	58 38					
		E	eL	04 09,9	43,2				
		NZ	eL	14,0					
		NE	M	18,5					
		NEZ	M	23,5		0,3	0,6	1,0	
			F	04 42					
62	Oct.22	EZ	iP	06 01 34			<0,1	-0,4	Local
		Z	iS?	38					N-S out of order.
			F	06 02					
63	Oct.22	E	eS	06 06 03					Formosa aftershock(USCGS)
		E	eL	27,0					N-S out of order microseisms
		E	M	30,0			0,3		disturbing.
		Z	L	37,2				0,3	
			F	06 43					
64	Oct,28	EZ	iP	11 41 49				+1,1	S-P = 4,0s
		Z	i	50					
		EZ	iS	53					
		Z	i	55					
		Z	i	57					
			F	11 43					
65	Oct.28	EZ	iP	14 48 31			0,1	+2,0	S-P = 3,9s
		Z	i	33					
		EZ	iS	35			0,3	-1,8	
		Z	i	37					
		Z	i	39					
			F	14 49					
66	Nov.6	Z	iP	03 37 12				0,1	S-P = 5,6s
		Z	i	17					
		Z	iS	18					
		Z	i	21					
			F	03 37,4					
67	Nov.6	Z	e?	16 51 13					Epicenter 47°N 154°E (USCGS)
		Z	iP	16				+0,5	
		NE	eS	17 00 24					
		N	e	01 17					
		N	e	07,8					
		NE	L	12,5					
		N	M	18,3		0,3			
		E	M	21,4			0,4		
			F	18 04					
68	Nov.6	Z	iP	19 01 36					Kurile Islands afterschock
			F	19 02					

No.	Date	Comp	Phase	GMT h. m. s.	Period s	Trace Amplitude N-S	E-W	Z	Remarks.
69	Nov.18	Z	e	09 47 12					Epicenter 31°N, 90,5°E(USCGS)
		NEZ	iP	16	2,6			+3,2	
		Z	i	56					
		Z	iPPP ?	51 02					
		NEZ	eS	56 44					
		E	e	57 31					
		NE	e	10 01 42					
		NEZ	eSSS ?	04 43					
		NEZ	eL	09,5		1,3	0,7		
			M	16,0		1,7	1,7	1,5	
			F	11 03					
70	Nov.24	Z	iP	19 00 06					Foreshock to No. 71
			F	02					
71	Nov.24	Z	iP	19 03 18				+1,0	Epicenter 23°N,121,5°E(USCGS) N-S not operating.
		Z	i	34					
		Z	iPP	06 21					
		Z	i	53					
		Z	iPPP	08 22					
		E	ePS?	34					
		E	eL	30,0	17,0				
		Z	eL	36,0					
		E	M	37,0			0,4		
		Z	M	51,0				0,9	
			F	20 12					
72	Dec.12	Z	iP	01 48 27					Epicenter 17°N,94,5°W(USCGS)
			F	01 50					
73	Dec,16	N	i	15 51 43		0,1			Felt about 45 km SW of Reykjavik. Papers were being changed on E-W and Z at the time of this tremor.
			F	15 53					

Reykjavik, February 4th 1952

Ólafur Jónsson