

Aleutian Volcanoes Project

Adak - Great Sitkin

Date

March 1951.

	Phase	G. C. T.			Amplitude				Clear, Fog, Partly Cloudy, Rain, Snow				
		h	m	s	T	E	N	Z	Calm, Breeze, Wind, Williwaw				
5 N	1P	14	48	03.0	0.9	-.5	-.5	-.5	pen c. Chron. Small regional shock, 575 mi. down SW. Not felt				
	1P			10.8									
	1S	49		32.3									
	1S			37.5	0.9	1.7	1.5	1.0					
5 N	1P	23	20	00.7					Distant				
	1P			03.4									
	1	25		58									
	1	26		39									
	1	29		39									
8 N	0P	15	22	57.3	0.7		.1		local or Very small regional shock, 63 miles.				
	1P			58.0	0.7	.5	1.0						
	1			41.2									
	1S			52.6	1.5		.7						
	1S			58.3	1.5	.5	1.0						
9 N	1P	04 36 56.5			0.5 0 .05 .5				Very small regional shock, 81 miles.				
	1P	04	36	56.5	0.5	0	.05	.5	Very small regional shock, 81 miles.				
	1P			57.8	0.5	-.1	-.1						
	1S			51.8	0.7	1.2	1.2	0.8					
10 N	1P	11	21	07.3	0.3	0	.2	-.3	Very small local shock, 56 miles.				
	1S			18.2	1	2.	1.2	1.6					
10 N.	1P	22	08	30					Distant.				
16 N	1P	19	36	55.1	1.8	1.0			Regional shock, S-P: 166.2 sec. 790 miles				
	1		37	09.1					break in phase.				
	1S		38	01.3									
	1			08.8									
	1			15.5	2.0	8.5			Record ran off on NS & E, faint on 7Bay.				
16 P	0	19	38	57.5					51 1/2 N, 167 1/2 W, 19:35:51				
	1S		38	03.2	2.8		0.5						
2 N	1	01	46	54.3	0.6	0.5	.8	1.0	Tremor (local)				
3 N	1	00	54	04.5	0.6	0.1	0.4	0.1	Tremor (local)				
9 N	1P	16	20	25.2	0.9	-.2	1.0	-1.7	Distant shock				
	1S		23	11.5					S-P 166.3 sec. : 15 degrees.				
10 N	1P	06	01	57.3					x Very small local shock (or tremor)				
	1S			48.7	0.5	.2	.1	.4	60 1/2 miles.				
11 N	1P	10	24	46.5	0.4			.5	Very small local shock				
	1S		23	03.4	0.5	.5	.8	.2	46 miles.				
13 N	1P	17	55	32	0.5	.5	-.2	-.2	Distant Fiji.				
14 N	1P	19	13	05.0	0.4			.2	Very small regional shock, 170 miles				
	1S			38.0	0.8	.5	.5						
15 N	1P	19	12	55.4	0.2			-0.1	Very small regional shock, 98 miles				
	1S		13	15.7	0.5	2.0	1.7	.7					

562

ALEUTIAN VOLCANOES
ADAK, ALASKA

March 1951



R

date		G O T			sec Millimeters				
		h	M	s					
15 M	X 1	21	12	33	0.5	.7	.2	1.0	Tremor
16 M	1P*	09	22	45.8					Very small regional shock, 270 miles. 46.8 sec. 47.3 sec.
	1P			48.5					
	1S*		23	32.0					
	1S			35.8	0.6	.4	.5		
19 M	1P 1PP	20	32	14.0 51.0					Distant, Kamchatka
19 M	1P 1S	07	05	55					Very small regional shock or tremor 425 ? miles.
		07	07		0.8	.8	.2		
19 M	1P 1S	14	28	10.5 26.5	0.5	.2	.2	.3	Very small regional shock, 87 miles.
21 M	1P 1S	14	43	57.0 04.6	0.3	.2	-.3	-1.	Small local shock, 38 miles.
			44		0.6	.8	1.4	1.7	
21 M	1P 1S 1S 1S	16	22	06 11 14 42 46					P may come in this early, Fox Island. Small regional shock 0;: 16;21;10* Probably second regional shock in coda of above, 100 miles or more.
			23		1.5	1.5	1	1.5	
			24						
			46		1.4	1.7	1	1.5	
21 M	1P 1P 1S 1S 1S	18	11	29.6 36.5 34.3 50.3 55.8					Small regional shock 400 ? miles. 1.2 1.5 .8 1.0
			12						
21 M	1P 1S 1S	20	55	01.6 11.3 11.8					Small local shock, 52 miles. 0.7 .2 1.4 .1
22 M	1P 1S	02	21	35.1 44.3	0.3	0	-.1	.1	Small local shock, 47 miles. 0.9 4.3 6.2 1.1 4.2
22 F	1P 1S	02	21	32.8 41.3	0.3	2	6.5		43 miles
22 M	1P 1P 1S 1S	03	28	51.1 52.3 06.6 08.8					Small regional shock 82 mi. 0.6 2.3 3.3 2.2
			29						
22 F	1S	03	29	04		0.4	.6		
23 M	1P 1P 1S 1S	04	34	46.8 48.3 12.0 15.5					Very small regional shock, 140 miles. 1.1 2.5 0.8 1.4
			35						

page 16

17

M: Mitch, Adak, Alaska.
 F: FBay S: SBay

March 1951

R

G. C. T.

H M S sec Millimeters

		H	M	S	sec	Millimeters	
23 M	1P*	10	28	54.6		0.2	Very small regional shock, 114 miles.
	1P			56.5	0.6	-0.2	0.8
	1S*		29	16.0			
	1S			20.5	1.3	1	0.6 0.8
23 M	1P	✓ 21	50	48.7	1.3	.6	1.4-1.5 Distant, 0)::21;38;54; 31S 180, 300 Km.
	1			52.3	1.6	-2	3. -9.0 Kermadec Is.
	1pP		51	48.7			Mag. 7.1
	1S	22	00	45	2.5		1.1
24 M	1P	✓ 00	28	00.1			Distant 0::00;17;38, 11S, 166E h::150 km.
	1pP		28	34.5			or 1PP Santa Cruz Is.
24 M	1P	14	01	55.2			Very small regional shock, 242 miles,
	1S		02	37.5	1	1.2	.8 1.7
25 M	o	16	21	04			Very small regional shock, 86 mi.
	1S			20	0.7	.5	.3 .5
25 M	1P	16	29	22.3		0-.5	-.5 Very small local shock, 51 mi.
	1S			32.3	0.8	1.	.8 1.
25 M	1P	✓ 18	25	40.7	1.0	7	-8 -32 Local shock, 51 mi. NW, Felt by few.
	1S			48.6	0.7	40.	19 65 larger on NS, no record at FBay & SBay.
27 M	1P	13	47	30.7			x Very small regional shock, 158 mi.
	1S			59.2	.7	1.5	1 0.5
27 M	1P	15	08	11.6			0.2 Very small regional shock, 87 mi.
	1S			27.9	.7	.2	.4 .7 (18)
28 M	1P	✓ 02	07	27			Distant
28 M	1P	06	10	01.3			Very small local shock, 58 mi.
	1S			13.6	0.2	1.2	1.2 0.1
28 M	1P	09	13	59.5			Very small local shock, 32 mi.
	1S		14	06.1	.4	1	.3 .2
28 M.	1P	✓ 10	14	31			-1.2 Distant.
28 M	1P	✓ 18	38	25.3	0.7	-.3	-1.5 -5.0 Small local shock, 43 mi.
	1S			33.7	07	2.3	
					1.4		4.5 4.5
30 M	1P	23	43	02.1			x Very small regional shock, 146 mi.
	1P			03.6	0.4		-0.2
	1P			05.3			
	1S			29.1			
	1S _z			30.1	1.7		1.7
	1S			33.9	1	2.	1.8
31 M	1	✓ 06	32	19	1	1/2	.5 1.5 Tremor, may be S of regional shock.

ALEUTIAN VOLCANOES
ADAK, ALASKA

March-April 1951

Mar.		G	C	T	sec. Millimeters				
31 M	1P	09	25	55.8	1.0	-1.	-.3	2.0	Distant, 50 $\frac{1}{2}$ N, 154W, Iliamna Lake
	1		24	02				x	
	1			05		x	x		
	1			15		x			
	08		26	21.5		x	x		
	18			34		x	x		
	M		41		2.0	1.5	0.8	1.2	
31 M	1P	19	45	48.8					x Very small regional shock, 140 miles.
	18		46	14.4	1	0.5	0.9	0.3	

Date	Time	Mag	Depth (km)	Lat	Long	Mag	Depth (km)	Lat	Long	Notes
April 1 M	1P 1S	02	14	15.0	0.5 .1 -.2 -.2	28.7	0.5 0.8 0.8 0.4			Very small regional shock, 72 mi.
1M	1P 1S	02	32	25.0		48.3	0.4 0.5 0.3 0.8			2 Very small regional shock, 128 mi.
2 M	1P	22	20	12						Distant (0)::22;09;29, 6S, 149E, New Britain.
10 M	1P	11	06	35.6	1.7 0 -.3 -2.5					Distant, 0::10;55;41, 15S, 173W, Samoa.
11 M	1P 1S	10	54	25.5	0.3 -0.4	35.7	1 1 1.5 1			Very small local shock, 54 mi.
13 M	1P 1P 1P 1 1S 6S	12	54	45.5	0.3 0.8 -.2 33.	46.1	0.9 -3.5-1.5			Regional shock, not felt at Adak but off. felt by all at Amchitka, 192 mi.
				49.2	1.2 2.6 3.2					
			55	00.8	1.1 1.5 -7.5	20.5				
				21.8	1 35. 50. 32.					
13 F	1P 1P 1P 1S 1S	12	54	44.4		45.1	1.0 1.3 1.5			183 mi. Adak, Alaska
				46.4						
			55	17.8		19.8	1.0 5.0 6.5			
14 M	1P 1 1S 1S	15	38	43		51				Distant
				43		43	33			
				43	35	3.0	.5 .5 1.5			
14 F	1P 1S	15	38	44						61N, 136E, Siberia, 0):13:32:59, Mag. 6.3
			15	43	33					
14 F	1P 1S	21	03	29.1	0.2 .8	29.8	0.3 .3 2.8			Small local shock, 3.3 mi.
14 M	1P 1S	21	03	29.9		31.4	0.5 0.5 0.3 0.7			0.2 6.0 mi. probably near FBay fault.

G O T sec. Millimeters

17 M	✓ 1P	18 05	02.1						Very small regional shock, 210-230 mi.
	1P		05.5						
	1S		47.6						
	1S		51.4	1.2	1.3	2.5	2.0		
17 M	✓ 1P	19 59	44	1.0	.1				Distant
				1.4	0.5		2.5		
	1		52.5						
	1pP	20 00	11						
18 M	✓ 1P	02 53	48.0						Very small regional shock, 118 mi.
	1S	54	11.6	1.2	0.6	0.6	0.3		
18 M	1P	03 07	56.1	0.7	-.5	-.5	-3.0		Small local shock, 23 mi.
	1pP		57.1						
	1S	08	01.4	0.9					
	1S		02.0	0.7		9/7	7.0		
	1S		02.7		6.8				
18 F	1P	03 07	55.8		-.8	-.2			21 mi.
	1P		55.4						
	1S	08	00.5	1.2	1.8	4.2			
19 M	✓ 1P	15 43	26.0	0.4			-.3		Very small shock, 26 mi.
	1S		51.5	0.9	0.8	1.0	0.7		
20 M	✓ 1P	20 25	34.7	0.9	0.6	0.2	3.5		Regional shock, not reported felt, 147 mi.
	1P		36.2						51;N, 175W, o::20;25;16
	1P		44.		x	x	x		
	1		49.0						
	1S7	26	06.5		7	9	5		
	1S7		02.0		2	3	3		
	1S		11.5		f				
	1M		18.5	1	10	15	13		
20 F	1P	20 25	34.7	0.4	.2	.1			21
	1P		36.4						145 mi.
	1		54.6						
	1S	26	01.6						
	1S		03.3						
	1S		06.4	0.7	4.5	4.2			
21 M	1P	12 53	12.6	0.7	0.1	0.8	2.0		Regional shock, 82 mi. 92 mi/.
	1pP		13.5						
	1S		29.9						
	1S		32.9	1.0	15.	11.	9.		
21 F	1P	12 33	11.5		.1	-.4			82 mi.
	1S		27.8	0.5	3.0	4.5			
21 F	1P?	15 15	37.0						Small local shock, 52 mi.
	1P		42.3						
	1P		44.9						
	1S		50.6						

continued

ALEUTIAN VOLCANOES
ADAK, ALASKA

April 1951



date & station											
21F 1S	15	15	37.0	0.4	.6	3.7				Possible second shock. (cont.)	
21 M 1P	15	15	43.9	0.4	0	-.2	-.5				
			45.1							56 miles.	
			52.1								
			54.2	0.5	1.8	2.0	2.5				
			55.0								
21 M 1P	15	20	25.2							Very small local shock, 51 mi.	
			37.2	0.6	0.2	0.4	0.5				
21 F 1P	18	34	52.6	1.0	.1	4.5				Very small local shock, 44 mi.	
		30	01.2	0.3	2.0	4.7					
21 M 1P	18	34	54.1	0.7	-0.2	-1.7	-4.7			50 mi.	
		30	04.0	1.0	2.5	6.2	5.4				(22)
23 M 1P	00	59	33.4	1.5	-.2	0.4	0.8			Distant, 19W, 155 $\frac{1}{2}$ W, 0:00;52;21, felt	
			38.2							Hawaii, Mag. 6 $\frac{1}{2}$	
23 M 1P	06	09	12.8							Very small regional shock, 108 mi.	
			14.5								
			32.7								
			34.5	0.5	1.0	1.5	0.8				
26 M 1P	04	25	18.6	0.5	-.1		1.5			Local shock, 43 mi. reported felt by	
			21.2	0.8		0.5				several on Adak.	
			27.2	0.8	3.5	7.3					
				1.2		8.5					
28 M 1S	21	59	17.0							Very small local shock, 10 mi.	
			19.2	0.4	0.4	0.7	0.8				
28 M 1P	23	12	07.9							Very small regional shock, 82 mi.	
			23.2	1.0	0.3	0.4	0.6				
29 M 1P	15	27	00.5			0.2-0.10-0.3				Very small local shock, 47 mi.	
			09.8	0.4	0.5	0.7	0.7				
29 M 1P	18	36	20.2				0.2			Small local shock, 39 mi.	
			28.1	0.7	1.5	2.0	1.0				
30 M 1P	15	38	43.3				0.3			Distant, 80, 155E, 0:15;28;00, Mag. 6 $\frac{1}{2}$.	
			47.5				-3.0				
30 M 1P	17	31	33.7	0.3	0.1	0.3				Very small local shock, 47 mi.	
			42.9	0.7	0.3	0.3	1.0				

ALEUTIAN VOLCANOES
ADAK, ALASKA

May 1951



				Millimeters				
				E	N	x		
1 M	1P	04	40	59.0				Very small regional shock 300- 318 mi.
	1S		41	50.2				
	1S			53.0	1.1	0.4	.5 .59	
4 M	1P	09	01	26.3			x	Very small regional shock, 396 mi.
	e		02	21.6			x	
	eS			26.3			x	
	eS			33.3	1.0	0.3	0.4 0.5	
4M ✓	1P	12	13	42.7	1.4	-.4	.3 1.5	Distant.
	1S		24	00	2.7		.6	
6 M ✓	1P	21	54	44	1.2	-.1-.2	1.1	Distant ?
7 M	1P	03	57	26.2	0.4		-2.0	Small local shock, 46 mi.
					0.5	.2	-.5	
	1S			35.3	0.6	1.3	3. 2.5	
9 M ✓	1P	21	03	54.0	0.7	-.1	0.3 3.0	Local shock, 42 mi. Felt by several
	1S		04	22.1	0.7	5.5	13.5 7.3	
9F ✓	1P	21	03	54.1		0.1		35 mi.
	1S		04	01.0	0.5	3.0	3.0	
10M	e	17	31	12				Small ca. regional shock ? 70 ? mi.
	1S			35	1.4	1.	3. 1.5	
10 M ✓	1P	19	45	33.0	0.4	-.2	0.3 0.2	Regional shock, 170 mi.
	1P			34.1	.7	.4	.8 5.5	
	1P			36.1	1.0	3.	23. 15.	
	1S		46	03.9	1.0	3	16 25.	
	1S			07.4	1.0	37.	48. 39.	
10 F ✓	1P	19	45	33.8	1.2		0.8	170 mi.
	1P			35.5				
	1S		46	04.6	0.8	6.0		
					1.1		4.0	
10 F ✓	1P	19	47	54.5				(24) Regional shock in coda of preceding shock. 160 mi.
	1P			57.6				
	1S		48	23.7				
	1S			26.9				
10 M ✓	1P	19	47	54.7				in coda. 186 mi.
	1S		48	38.1	1.1	38	38 30	
10 F ✓	1P	19	50	28.4				in coda, 157 mi.
	1P			30.3				
	1S			36.9				
	1S		51	00.2	0.6		2.5	

May 1951



ALEUTIAN VOLCANOES
ADAK, ALASKA

Time	Type	Day	Hour	Min	Sec	Mag	Mag	Mag	Mag	Description
✓ 10 M	1P1	19	50	25						in coda, waves?
	1P			28						
	1S?			52						
	1S			58		1.4	5.5	6.5	6.0	
✓ 10M	1P	20	06	22						Very small regional shock, 176 ? mi.
	1S			54		0.6	.5	.9		
10M	1P	19	54	42						Very small regional shock, 190 mi.
	1S			55		1.2	1.0	1.5	1.0	
✓ 10M	1P	20	28	56.3	0.8				1.2	Regional shock, 174 mi.
	1P			57.9	1.	-.4	0.5	-.5		
	1P		29	04/9					-7.	
	1S			28.1	1.2	-3.	8.	-5.		
	1S			32.2	1.0	17.	21.	24.		
10P	1P	20	28	57.6				0.2		Barely perceptible.
	1P			59.4-59.7						
	1P		29	01.2						
	1S?			27.7						
	1S			31.1						
	1S			33/6		1.0	3.6	3.6		
10M	1P	20	32	29.8						Small regional shock in coda, 166 mi. (25)
	1P			31.0						
	1S		33	00.0						
	1S			02.4		1.6	3.5	4.0	6.5	
10 P	0P	20	32	31.0						B.P.
	1P			31.6						
	1S		33	00.9		1.5	0.4	2.5		
✓ 10 M	0P	21	27	37.1						Small regional shock, 163 mi.
	1P			39.2						
	1S		28	06.8						
	1S			11.4						
	1S			14.4		0.8	1.7	3.0	2.5	
✓ 10 M	1P	22	59	24.3	0.8	0.2	-.5	-1.		Small local shock, 45 mi.
	1S			33.1	0.6	2.0	3.0	3.2		
11M	1P	01	49	30.7	0.2			-0.7		Very small local shock, 62 mi.
				07	-.1	-.1				
	1S			42.7	0.3	0.5	1.0	0.5		
11M	✓ 1P	05	22	24.9						Very small regional shock, 157 mi.
	1P			28.0						
	1S			53.4						
	1S			56.6		1.5			2.0	
						1.0	1.0			
						0.7		1.5		

ALEUTIAN VOLCANOES
ADAK, ALASKA



11 M	1P	09	57	16.6						Very small regional shock, 190 mi.
	1P			19.1						
	1S			51.5						
	1S			54.9	0.8	0.3	1.2	0.3		
12 M	1P	08	40	37.5						Very small regional shock, 164 mi.
	1P			41.8						
	1S		41	08.0						
	1S			15.5	1.2	0.5	.5	1.0		
										(26)
12 M	1P	13	12	33.8						Very small regional shock, 192 mi.
	1P			37.8						
	1S		13	08.5						
	1S			13.7						
	1S			15.5	1.5	.8	1.5	1.0		
13 M	1P	15	43	11.2						Very small regional shock, 140 mi.
	1S			33.9						
	1S			39.6	0.5	0.5	0.8	0.7		
14 M	1P	04	13	10.0	0.6	0	-0.5	-1.2		Very small local shock, 47 mi.
	1S			19.2	0.8	1.5	1.9	0.9		
14 M	1P	14	07	38.6	0.3			-.2		Very small regional shock, 81 mi.
	1S			53.8	0.8	1.	0.6	1.2		
15 M	1P	09	56	14	1.6	-.5	0.5	-3.5		Distant
15 M	SP?	10	47	04						Very small probably a regional shock
	1S			33.8	0.8	0.5	0.8	-.3		163 ? mi.
17 M	1P	22	51	40.3	0.4			-.3		Very small regional shock, 101 mi.
	1S			59.2	0.6	0.2	0.3	0.2		
17 M	1S?	23	43	42.2	0.7	0.1	0.5	0.2		Tremor.
19 M	1P	04	42	26.0	0.4	-.1	0.1	0.7		Very small regional shock, 158 mi.
	1S			54.8	1.0	1.3				
					0.7		1.0	1.0		
19 M	1P	07	35	18	1.1			0.8		Distant, late on Horiz.
19 M	1P	19	33	24				-.3		Very small regional shock, 75 mi.
	1S			38	0.4	0.2	0.4	0.4		
										(27)
19 M	1P	21	02	12.7						Small local shock, 46 mi.
	1P			13.9						
	1S			21.6						
	1S			23.3	0.8	2.2	4.5			Z lamp burned out.
19 M	SP	22	23	34.2						Very small local shock, 49 mi.
	1S			43.8	0.7	0.4	0.8			

May 1951

ALEUTIAN VOLCANOES

ADAK, ALASKA

20 M ✓	15 04	45.7	0.6	0.2	Tremor
20 M ✓	18 23	51.0	0.9-.2	0.4	Small regional shock, 73 mi.
IS		44.8	1.5 2.	3.5	
20 M ✓	18 54	03.6			Very small regional shock, 70 mi.
IS		16.8	0.8 0.2	0.5	
20 M	18 56	09.5			Very small regional shock, 70 mi.
IS		22.8	0.6 0.2	0.3	
20 M	20 03	04.2			Very small local shock, 48 mi.
IS		13.6	0.6 .1	.4	
21 M ✓	08 37	36.			Distant, 6S, 154 ¹ E, 0:08; 27; 21, Solomon Is. h:150 km. Mag. 7.
IS	38	13.2			
IS	45	32			
21 M ✓	11 04	35.0	0.5	0.1-0.2	Very Small regional shock, 71 mi.
IS		35.5	0.8	-0.3-0.8	
IS		49.1	0.5	0.6	
"			1.2	1.7	
22 M	04 18	52.3		0.1-0.2	IP? could be small local shock. 4 mi.
IS		53.1	0.8 .3	2.0 1.2	
22 M ✓	05 07	03	0.9 -.2	-.3-1.5	IP? of distant shock, no IS.
22 M ✓	08 53	26.9		-.2	(28) Very small regional shock, 147-150 mi.
IS		28.4			
IS		53.7			
IS		56.2	0.5 0.5	0.6 1.0	
22 M ✓	19 54	48.7			Very small regional shock, 138 mi.
IS	55	14.0	0.8 0.2	0.3 0.5	
23 M ✓	04 14	52.7	0.5-0.1-0.2-0.3		Regional shock, 112 mi.
IS		55.0			
IS	15	13.3	1.2 6.0		break in phase.
IS			0.8	7.7 6.3	
IS		15.2			
23 F ✓	04 15	09.6			
IS		13.2	1.3	1.5	
23 M ✓	10 47	54.0		-0.1	Very small regional shock, 140 mi.
IS		57.2		-0.2	
IS	48	19.6		0.1	
IS		23.4	0.6 0.3	0.6 0.8	
23 M ✓	21 57	41.7			Distant.

May 1951



ALEUTIAN VOLCANOES

ADAK, ALASKA

Small regional shock, 84 mi

26 M ✓ 1P
1P
1S
1S

02 02 48.7
50.7
03 04.4 0.4
06.7 0.7 4. 4.3 3.4

26 M ✓ 1P
1P
1S
1S

04 09 43.0 0.7 -.1 .2 1.0 Regional shock 1, 135 mi.
57.7 0.6-1. -2.5-3.7 probably a second regional shock 2, 150 mi.
10 07.8 1.5 2.6 10. 11.5 (1)
23.3 0.8 3.5 10.5 16. somewhat ? (2) but agrees on three componer shocks not from same origin.

26 F ✓ 1P
1P
1P
1S

04 09 44.5
46.1
57.7
10 07.2 1.6 1. S2 not distinguished. (29)

28 M ✓ 1P
1S

16 44 42.9 0.6 -2. in time mark. Small local shock, 64 mi.
55.3 0.57 2.5 4.8 3.5 4

28 F ✓ 1S

16 44 54.3 .5 .8 no 1P.

29 M ✓ 1P
1S

02 45 19.4 -.1 Very small local shock, 43 mi.
27.9 0.7 .3 .7 .6

29 M ✓ 1P

04 14 00 1.8 -.2 -1. Distant. 218

30 M ✓ 1P
1S

00 55 15.0 0.5 -3.5 -2.8 -20. (-2.8) Regional shock, Felt by several,
35.1 1.0 22. 69. 42. 110 mi. to origin, deep ?

30 F ✓ 1P
1S

00 55 14.7 0.4 -1.3 .2 107 mi.
34.6 0.6 5.5 4.0

30 M ✓ 1P

19 18 48 Distant

30 M ✓ 1P

20 08 32 Distant, ϕ : 19;57;01, 33, 126 $\frac{1}{2}$ E, Molucca Is.

31 M ✓ 1P
1P
1S
1S

11 24 18.6 0.5 0.1 0.2 Very small regional shock, 107 mi.
19.6 0.3 0.2 0.5 -1.5
38.2 0.8 .2 .5
39.4 0.5 1.0 1.3 1.5

31 M ✓ 1P

21 03 47.3 Distant, ϕ : 20;56;00, 19N, 121E, h: 100km. Luzon.

ALEUTIAN VOLCANOES ADAK, ALASKA

millimeters

Mag	Type	Date	Time	Amplitude	Phase	Duration	Notes	
1 M	1P	20	02	57.0	1.5	-1.2	9.2	Regional shock, felt slight by few, 168 mi.
	1P			59.5	0.5	-6.-4.5		
	1	03	01.8					
	1S		27.8	1.5	15			
	1S		29.1		28 37 59	Amplitudes greater than these.		
1 F	e	20	02	58.2	1.2	-1.2-.6	161 mi.	
	1P			00.6		-2/5		
	1S	03	26.6					
	1S		29.8	1.6	6. 4.			
1 F	1P	20	05	37.2			Second regional shock in coda of preceding shock, 160 mi.	
	1			33.9				
	1P			43.2				
	1S	06	06.1					
	1S		09.6	4.5	3.5			
1 M	1P?	20	05	35.9			in coda of regional shock, 165 mi.	
	1S			06	06.0	1.0		8.0
1 M	1P	20	17	27			Distant.	
1 M	1P	20	22	34.5			Small regional shock, 150 ? mi.	
	1P			35.5				
	1S	23	01.2					
	1S		03.7	0.8	2.0	6. 4.		
1 F	1S	20	03	45.2	0.3	.7	2.2	no 1P at FBay.
2 M	1P	02	03	08.6			0.1 Very small regional shock, 174 mi.	
	1S			40.3	0.5	0.2		0.5
2 E	1P	03	31	35.7	0.3		0.3 Small local shock, 46 mi.	
	1S			44.9	0.4	1.7		3.0
2 M	1P	18	13	27.1	0.8		0.1 2.8 Small regional shock, 166 mi.	
	1P			27.7	0.6			-0.5
	1P			28.4	0.7			0.8
	1S			47.8	1.0	.2		1.2
	1S			53.7	1.0	2.5		3.7
2 F	1S	18	13	52.6	0.4	0.5	1.0	no 1P.
5 M	1P	15	20	06.0			Very small regional shock, 183 mi.	
	1P			09.7				
	1S			39.5				39.5
	1S			44.2	1.1	0.2		0.9
5 M	1	15	50	15	0.5	0.3	0.1	Tremor, regional ?
5 M	1P	17	05	46.5			Distant	
	1P			38.3				
	1S			12	24.8			

(31)

2 M	✓ 1P	18	15	27.1	0.8	0.1	2.8	2.8	Small regional shock 166 mi.
	1P			27.7	0.6		-0.5		
	1P			28.4	0.7		0.8		
	1S			47.8	1.0	.2	1.2		
	1S			55.7	1.0	2.5	3.7	3.7	
2 F	✓ 1/S	18	15	32.6	0.4	0.5	1.0		no 1p (recopied)
5 M	✓ 1P	19	06	55.2					Very small regional shock, 116 mi.
	1			55.7	0.4		0.5		
	1S		07	16.5	0.5	0.5	1.0	0.9	
6 M	✓ 1P	16	20	32.7					Distant
	1			47.7					
6 M 1	✓ 1P	21	15	07.7	0.4	-0.1	-0.5		Very small local shock, 40 mi.
	1S			15.7	0.7	.2	1.0	0.7	
7 M	✓ 1P	11	42	39.7					Distant.
7 M	✓ 1P	18	48	41.8	0.7	-0.2	0	1.3	Small regional shock, 136 mi.
	1			43.3				x	
	1S		49	07.1	0.7	0.3		1.0	
	1S			09.5	1.3	1.0	2.0	1.5	
7 F	✓ 1S	18	49	--					
7 M	✓ 1P	23	11	07.6					Distant
	1PP			12					
	1S		19	14					
9 M	✓ 1	03	24	10					Distant ?
	1P			11					
9 M	✓ 1P	04	02	33	1.1	-0.1	-0.2	-1.0	Distant .
10 M	✓ 1P	12	56	15.0	0.4			-0.1	Very small regional shock, 146 mi.
	1S			41.7	0.6	0.1	.3	.2	
10 M	•	18	23	12	0.7	0.1	0.3	0.2	Tremor
12 M	•	14	50	45	0.5		0.3		Tremor.
12 M	•	16	35	16	0.7		0.3		Tremor.
14 M	✓ 1P	04	41	51.8	0.2			-0.1	Small regional shock, 132 mi.
	1P			55.3	1.0			2.0	
	1S		42	14.9		x	x		
	1S			15.7	0.9	2.5	3.0	4.0	
14 F	•	04	41	56					
	• 3?		42	15.0					
	1S			15.5	0.7	2.5	2.2		

ALEUTIAN VOLCANOES ADAK, ALASKA

15 M	✓ 1P	00 44	09.1							-0.1	Very small regional shock, 160 mi.
	1P		11.2	0.5						-0.2	
	1P		12.7							-0.2	
	1P		13.9							.8	
	1S		38.4	1.0						0.5-0.7	
	1S		40.9	1.0						0.7 0.8	
	1S		45.1	0.8	0.3	0.8	1.4				
16 M	✓ 1P	19 52	11							0.1	Very small regional shock, 114 mi. (33)
	1S		32	0.5	.1	.2	.5				(tremor)
17 M	✓ eP	09 46	37								Distant, Oregon Coast, 44 $\frac{1}{2}$ N, 130W, 09;40;15
	eS?		52	30							Mag. 6
	L	10 01		6						0.5	
17 M	✓ 1P	11 32	27.5								Very small regional shock, 237 ? mi.
	eS		33	09	0.8	.2	.2				
19 M	✓ 1P	03 57	50.0	0.2						-0.1	Very small local shock, 58 mi.
	1S		58	01.0	0.3	.5	.5				
19 M	1	15 43	20.4	1.0	-0.1	-0.1	-0.5				Distant ?
20 M	✓ 1P	15 58	32.7	0.3						-0.3 -0.4	Small local shock, 50 mi.
	1S		42.4	0.6	.7	1.5	1.5				
21 M	1	11 46	--	.5						.3	Tremor
21 M	1	23 24	--	0.7						.3	Tremor.
23 M	✓ 1P	15 24	56.4	0.2						.1 -0.3	Very small local shock, 48 mi.
	1S		25	05.8	0.4	0.6	0.7				
24 M	✓ 1P	02 47	57.5	0.6						0.1	Small X666X Regional shock, 142 mi.
	1S		48	23.3	1.1	0.4	1.5	1.3			
24 M	✓ 1P	08 07	19.6	0.4						-0.2	Very small regional shock, 186 mi.
	1S		53.1	0.6	0.2	0.3	0.6				
24 M	✓ 1P?	11 03	49								Distant ?
24 M	✓ 1P	16 59	43								Distant.
	1PP	17 00	03.5								
24 M	✓ 1P	22 05	23.7	0.7						-0.5	Very small local shock, 37 mi. (34)
	1S		31.0	0.8	0.9	1.0	1.2				
25 M	e	03 21	31.6								Regional to distant shock, dist.??
	1		46.3								56N, 154W, 03;18;23°
	1		55.8	1.3		1.0					S. Alaska.
25 M	✓ 1P	04 03	14.8	0.5						.2 .5	Very small local shock, 43 mi.
	1S		23.3	0.6	.2	.8	1.0				

June 1951

ALEUTIAN VOLCANOES

ADAK, ALASKA

25 M	✓ 1	15	42	55.5						Distant.
25 M	✓ 1P	16	16	31.6						Distant. 61N, 150W, h: 100 km.
	1S			43.8						0:16;12;32, Mag.6.2
	1		17	00.6						
25 M	✓ 1	20	45	50.2						Distant.
27 M	✓ 1P	01	01	20.8	0.8	0.4	-2.	-7.5		Local shock, felt by few, 58.5 mi. SSE.
	1S			28.6	0.9	10.24.5	17.5			
27 F	✓ 1P	01	01	19.7	0.5	-1.4				55.5 mi. 51 30 N, 176 10W, 25 1 Miles deep
	1S			27.0	0.6	5.				
27 S	✓ 1P	01	01	18.9						58 mi.
	1S			26.6						
	1S			27.7	0.8	4.0				
27 M	✓ 1P	14	29	04.1						Very small local shock or tremor, 56 mi.
	1S			14.9	0.3	0.2	0.2			
27 M	1P	22	25	36.1						Small local shock, 51 mi.
	1S			45.9	0.8	1.5				NS offline off record, Z faint.
28 M	✓ 1P	03	59	49.2	0.8	4.	-?	-17		(35) N & Z too great to show, Moderate local shock
	1S			59.2		18	off	40		or greater amplitudes. felt by many, object
28 F	1	03	59			36	11			disturbed on shelves, Mod. Mercalli IV-V.52
										FBay drum stopped Amplitude only.
28 S	✓ 1P	03	59	45.5	0.5		11.5			Felt at SBay, 58 mi. 03:59;31"
	1S			53.5	0.5	1.	13.5			52N 175 1/2 W, h: 60 km
29 M	1P	03	55	09.5	0.6					Small regional shock, 105 mi.
	1S			28.8	0.6	2.5	fog.	1.6		NS fogged.
29 F	1P	03	55	18.4						
	1S			28.2	0.4	1.5	.2			
29 M	✓ 1P	17	17	23.7	0.6		.1	.6		Very small regional shock, 185 mi.
	1S			57.4	0.6	0.2	.8	1.0		
30 M	✓ 1P	02	24	27.7				0.1		Very small local shock, 59 mi.
	1S			39.0	0.6	0.3	0.4	0.4		
30 M	✓ 1P	22	29	52.0						Very small regional shock, 265 mi.
	1P			54.2						
	1S		30	38.7						
	1S			41.7						
	1M			56.	1.5	0.5	1.0	1.5		

July 1951

Date	Station			T.		sec.A.Millimeters				
2 M	✓ 1	21	59	03	1.5	1.5	Distant, 21S 176W, 21;46;30, Tonga Is.			
3 M	✓ 1P 1S	09	21	19.0	0.3	-0.2	Very small local shock, 47 mi.			
				28.1	0.4	0.2	1.0	0.4		
3 M	✓ 1P 1S	18	17	18.9		x	Tremor or very small regional shock.			
				53.5	0.6	0.5	0.2	192 ? mi.		
4 M	✓ 1	07	17	43	1.5	0.5	2.5	Distant.		
6 M	1P 1S	03	48	43.3	0.3	-0.1	-0.2	Small local shock, 48 mi.		
				52.5	1.0	.6	3.5	2.0		
6 M	✓ 1P 1S	18	38	08.4	0.3	-0.1	Very small regional shock, 87 mi.			
				24.7	0.6	0.2	1.0	0.7		
6 M	✓ 1P 1S	20	45	05.0	0.5	-0.1	Small regional shock, 107 mi.			
				24.7	0.6	0.8	2.0			
					1.0	1.2				
7 M	✓ 1	15	18	36	0.5	.1	.1	Tremor.		
8 M	✓ 1	05	55	16	Distant, 11N 122E, 05;44;20, Philippines					
8 M	1	07	18	13	0.8	.1	.7	.2	Tremor.	
8 M	✓ 1P 1S	14	13	47.3	0.3	.2	-0.2	-1.2	Small local shock, 4 mi.	
				48.1	0.3	1.0	2.8	2.8		
8 M	✓ 1P 1P 1S 1S	23	33	16.0	0.8	0.1	-0.2	-0.8	Very small regional shock, 580 mi.	
				19.2	52N 167W, in Fox Islands					
				25.5						
			34	54.5	1.1	0.5	1.3	0.5		
9 M	✓ 1P	00	15	09.5	Distant, 16N 96W, 00;03;54, Oaxaca, Mexico.					
9 M	1	01	37	56	Regional, or distant P ?					
9 M	✓ 1	21	29	23	Regional 1S or distant 1P ?					
9 M	1P 1S	21	55	03.4		0.1	-0.3	Small local shock, 40 mi.		
				11.4	1.1	0.5	1.0	1.4		

End of one year Sprengnether recording.