

RAOUL ISLAND

29° 15!1 S, 177° 55!1 W : altitude 350 ft

SEISMOLOGICAL BULLETIN : 1958 JANUARY to APRIL



Instrument: Willmore vertical component seismometer; pend. period $\frac{3}{4}$ sec. ca, galv. period $\frac{1}{4}$ sec.
 Recordings on 35 mm film, enlarged 8 x in. viewer.
 Trace amplitudes as measured from viewer screen.

Date 1958	Phase	h	m	s	T (secs)	Az (mm)	Remarks
Jan. 9	eP (S) i	18	(00)	06 17 21			
10	iP (S) i i i	19	15	56 16 18 25 34 53			
22	iP (S)	15	58	11 32ca			Large amplitudes; trace unreadable for several mins.
23	i(P) e	08	56	04 57 06			? seismic: confused with microseisms
25	eP i(S) i	14	25	07ca 25 29			Small
30	iP (S) i(S)	02	10	49 12 03 11	$\frac{1}{2}$ 1 1	8 10 15+	Large amplitudes
30	i(P)	18	23	20ca			
31		19	18ca				Tremors
31	iP iS	22	43	08 44 28 52	$\frac{1}{2}$ 1 1	8 10ca 20ca	Large amplitudes; confused motion
Mar. 1		16	21ca				Tremors
4	iP iS	22	10	09 18	$< \frac{1}{2}$ $\frac{1}{2}$	3 12	
7	P? S	16	55	13 24			Confused motion
7	iP e (S)	17	33	35 35 02 24			Possibly a separate shock.
8	eP i i(S) i	04	04	57 05 00 08 10	$\frac{1}{2}$ 1 $\frac{1}{2}$ $\frac{1}{2}$	2 5 7ca 20ca	
9	P iS	12	01	34 43			
13	eP iS i	15	24	19 30 32			
14	iP (S)	16	(46)	21 24		15ca	Very large amplitudes; trace indistinct
14	iP iS	17	(23)	06 10			
14		17	33ca				Local tremors

Date 1958	Phase	h	m	s	T (secs)	Az (mm)	Remarks
Mar. 14	eP e (s) i	18	(06)	05 10 08 12			
14		18	09ca				Local tremors
14		18	12ca				" "
14	iP i iS	20	(06)	35 40 44	$\frac{1}{2}$ 1 1	3 5 12ca	
14	eP (s) i	20	(33) (34)	59 04 08	1 1 1	1 4 13	
14	iP i i i (s)	22	(49)	14 23 30 37 45			Phases poorly defined
15		02	49ca				Tremors for 3 mins ca.
15	eP i S	18	(09)	12 29 49	1 1 1	1 6 9	
Apr. 13	e(P) i i	15	28	34 42 54			
14	P i (s) (s) i	05	44	27 31 50 54 45 02	$\frac{1}{2}$ $\frac{1}{2}$ 1 1 1	4 7 10 6 9	In microseisms
16		04	54ca				Tremors
16	P	05	20	16			Conspicuous movements for 3 mins ca; no definite phases
16	P i i (s)	06	30	04 10 18 54ca			
17	eP	05	39	11ca			Tremors follow
18	iP (s)	01	04	28 43ca	- -	8 -	Large amplitudes; confused motion
19	iP S	23	31	36 32 02			
20	eP i i (s)	01	07	06 08 23 37	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2 8 6 10	
20		01	15ca				Tremors
20		02	18ca				"
20	P i (s)	08	33	46 56 34 06	< $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2 10ca 10ca	
20		10	39ca				Tremors



Date 1958	Phase	h	m	s	T (secs)	Az (mm)	Remarks
Aprl. 20	P i S	12	04	07 13 23	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2 10 10ca	
20	P i (S)	12	37	20 22 45ca	$\frac{1}{2}$ $\frac{1}{2}$ -	2 10 -	Large amplitudes
20	P i (S)	15	39	07 10 29			
20		15	50ca				Tremors
20	P	18	39	44ca			Tremors follow
21	eP? i (S)	00	28	05 16 29			Very small
21	P i (S)	00	41	16 27 35			
26		04	33ca				Tremors



Note: Owing to persistent trouble with the recorder, data are incomplete for the period covered by this bulletin. There are no readings available for the month of February. There are no recordings for the period 1957 October 15 to 1958 January 8.

RAOUL ISLAND

29° 15.1'S, 177° 55.1 W; altitude 350 ft

SEISMOLOGICAL BULLETIN : 1958 DECEMBER

Instrument: Willmore vertical component seismometer; pend. period $\frac{3}{4}$ sec.
 ca, galv. period $\frac{1}{4}$ sec.
 Recordings on 35 mm film, enlarged 8 x in viewer.
 Trace amplitudes as measured from viewer screen.



No.	Date 1958	Phase	h	m	s	T (sec)	Az (mm)	Remarks
1	Dec. 1		05	07	ca			Tremors
2	1		05	35	ca			Tremors
3	1	P i(S) i(S)	08	45	07 17 19	1 1 2 2	2 7 12	
4	1	e	10	03	04			Brief tremors
5	1	e	10	21	09			Brief tremors
6	1	iP i i iS i i	13	45	09 11 14 27 33 40	1 1 1 1 1 1	4 3 3 4 6 5	
7	1	e	14	05	45ca			Tremors for 2 mins.
8	1	e(P) ? iS	15	44	43ca 51			Small
9	1		23	05	ca			Tremors
10	2	e	00	25	00			
11	2	iP iS i i	01	57	48 38 47 54			
12	5		21	15	ca			Local tremors
13	6	P e iS i i	06	22	52 06 13 16 28	1 2 1 1 1	3 3 - 20+ 10ca	Large amplitudes
14	6	eP ? iS	16	31	06ca 24			Small and doubtful
15	6	eP eS i	16	35	25 44 46			
16	7	i	11	(19)	36			Tremors
17	7	eP i(P) i i iS	15	(15)	10 12 14 21 33	1 1 1 1 1 2	1ca 4 3 3 25+	Large amplitudes for $\frac{1}{2}$ min.
18	9	P ? i(S) i	01	(08) (09)	59 13 15			Very small
19	9	eP i i iS	02	45	21 24 35 46 13			
20	9	eP ? e(S) i i	03	10	22 53 59 11 03			Doubtful
21	10	i(P) ! i	05	14	56 00	1 1	5 3	Confused tremors follows
22	10		12	23	+			Tremors

No.	Date 1958	Phase	h	m	s	T (sec)	Az (mm)	Remarks
23	Dec. 10		18	(00)	ca			Local tremors
24	11		01	00	ca			Brief tremors
25	12	eP ? S i	11	22	46 58 23 00	- $\frac{1}{2}$ $\frac{1}{2}$	- 2 6ca	Very small and doubtful
26	24	eiP S i	03	49	09 32 35			
27	24		19	41	ca			Tremors
28	24		20	20	ca			Tremors
29	25	eP ? S i	00	11	50 12 03 07	- $\frac{1}{2}$ $\frac{1}{2}$	- 3 12	Very small and emergent
30	25	eP ? i(P) i (S)	11	05	50ca 56 06 00 07 00ca			
31	25	eP S i	12	16	50 17 07ca 11	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2 8 22	In minute mark
32	27	iP i i(S) i	10	(50)	16 21 24 28	1 - - -	3 15ca 35 50ca	Large amplitudes, confused motion
33	27		23	(35)	ca			Tremors
34	28	eP iS i	01	(40)	08 34 39			
35	28	e(P) ? (S) i(S)	10	(40)	10ca 21 23			Very small and emergent
36	28	P ? i (S) i	22	(59)	42ca 46 56 58	- $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	- 3 3 7	In minute mark



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Note: Owing to equipment faults, records for this month are incomplete.