



# ***Seismological Bulletin***

*Seismological Service  
of Canada*

**January-March  
1957**

*Dominion Observatory,  
Department of Mines and  
Technical Surveys, Ottawa*

O. H.



International  
Seismological  
Centre

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IN CANADA

DOMINION OBSERVATORY,

DEPARTMENT OF MINES AND TECHNICAL SURVEYS,

OTTAWA,

CANADA



## SEISMOLOGICAL BULLETIN - 1957

This report lists the instrumental results obtained at the seismological stations maintained by the Seismological Service of Canada.

These are divided into two divisions.

**Eastern Division****Ottawa, Ontario -**

Dominion Observatory, Dept. of Mines and Technical Surveys.

**Halifax, Nova Scotia -**

Operated by Dalhousie University for the Dominion Observatory.

**Schefferville, Quebec -**

Operated by McGill University for the Dominion Observatory.

**Seven Falls, Quebec -**

Owned by the Quebec Power Company; operated by the Company for the Dominion Observatory.

**Shawinigan Falls, Quebec -**

Owned by the Shawinigan Water and Power Co.; operated by the Company for the Dominion Observatory.

**Kirkland Lake, Ontario -**

Owned and operated by the Dominion Observatory.  
F. J. Hallick in charge.

**Resolute, Northwest Territories -**

Owned and operated by the Dominion Observatory,  
D. F. Young in charge.

The records of all stations of the Eastern Division are stored

at Ottawa. Local earthquakes are interpreted by means of

travel-time curves based on rockburst studies. (See J. H.

Hodgson, Publication of the Dominion Observatory, XVI,

Nos. 5 and 6).

DOMINION OBSERVATORIES

Western Division

Victoria, British Columbia -  
 Dominion Astrophysical Observatory, Dept. of Mines  
 and Technical Surveys, Royal Oak, B.C.

Saskatoon, Saskatchewan -  
 Operated by the University of Saskatchewan for the  
 Dominion Observatory.

Banff, Alberta -  
 Operated by the Banff School of Fine Arts for the  
 Dominion Observatory.

Horseshoe Bay, British Columbia -  
 Owned and operated by the Dominion Observatory.  
 W.S. Blacklock in charge.

Alberni, British Columbia -  
 Owned and operated by the Dominion Observatory.  
 W.N. Burgess in charge.

The records of all stations of the Western Division are  
 stored at Victoria.

The station at Schefferville is an experimental installation.

Continuous operation will not be attempted during the current year but records  
 of particular earthquakes may be available. The station formerly known as  
 Resolute Bay is now called Resolute; this is in accordance with a decision of  
 the Canadian Board on Geographical Names.

John H. Hodgson,  
 Chief, Division of Seismology.

SEISMOLOGICAL BULLETIN - 1957

STATION	POSITION AND ELEVATION	FOUNDATION	INSTRUMENT	T <sub>s</sub>	T <sub>g</sub>	MAGNIFICATION AT 1 cycle/sec.	DAMPING	PAPER SPEED mm/min.	TIME MARK ZERO	GROUND MOTION-TRACE UP
Alberni	49°16'14"N 124°49'18"W	Basic volcanic rock	Willmore-Sharpe Z	0.3	0.03	700	Near critical	60	End	Up
Banff	51°10.3'N 115°33.5'W	Rock	Willmore-Watt Z	1.0	0.25	9,000	Critical	53.4	End	End
Halifax	44°38'N 63°36'W h = 46 m.	Carbonaceous slate	Benloff Z Willmore Z	1.0	0.2	39,000	Critical	60	End	Up
				1.0	1.65	16,000	Near critical	30	End	Up
			Sprengnether NS	20	20	380	Critical	30	End	North
			Sprengnether EW	20	20	380	Critical	30	End	East
Horseshoe Bay	49°22'39"N 123°16'33"W	Granodiorite	Willmore-Watt Z	1.0	.03	4,500	Near critical	60	End	Down
				NS	1.0	6,000	Near critical	60	End	South
				EW	1.0	18,000	Near critical	60	End	West
Kirkland Lake (see also page 6)	48°08'41"N 80°01'45"W h = 310 m.	Precambrian basement	Sprengnether Z Willmore-Watt Z	1.4	1.4	9,000	Critical	60	End	Up
				1.0	20		Near critical	60	End	Up
Ottawa (see also page 7)	45°23'38"N 75°42'57"W h = 83 m.	Boulder clay over limestone	Benloff Z Benloff Z	1.0	0.2	21,000	Critical	60	End	Up
				1.0	75	2,300	Near critical	30	End	Up
			Milne-Shaw NS	12		300	Critical	15	End	South
			Milne-Shaw EW	12		300	20:1	15	End	West



## DOMINION OBSERVATORIES

STATION	POSITION AND ELEVATION	FOUNDATION	INSTRUMENT	T <sub>g</sub>	T <sub>g</sub>	MAGNIFICATION AT 1 cycle/sec.	DAMPING	PAPER SPEED mm/min.	TIME MARK ZERO	GROUND MOTION-TRACE UP
Resolute	74° 41' N	Early	Sprengnether Z	1.4	1.4	9,000	Critical	60	End	Up
	94° 54' W h = 5 m.	Palaeozoic Limestone	Sprengnether NS Sprengnether EW	14.1 16.0	14.1 16.0	450 450	Critical Critical	60 60	End End	North East
	At a point 1000' N15° W of above	Permafrost	Columbia Z	12.2	12.5		Near critical	30	End	Up
Saskatoon	52° 08' N	Clay and Sand	Milne-Shaw NE/SW 12			150	20:1	8	End	NE
	106° 38' W h = 515 m.		Milne-Shaw NW/SE 12			150	20:1	8	End	SE
Schefferville	54° 49' N 66° 41' W h = 512 m.	Precambrian basement rock	Willmore-Watt Z	1.0	0.25	9,000	Near critical	53.4	End	Up
Seven Falls	47° 07.4' N	Precambrian basement rock	Wood-Anderson EW	1.0		2,200	15:1	60	End	East
	70° 49.6' W h = 232 m.		Milne-Shaw EW 12 Benloff Z	1.0	0.2	300 50,000 ca.	20:1 Critical	8 60	End End	East Up
	46° 33.1' N 72° 45.8' W h = 60 m.		Wood-Anderson NS Willmore Z	1.0	2.0	1,600 28,000 ca.	15:1 Critical	60 60	End End	North Up
Shawinigan Falls (see also page 8)	48° 31' 09.9" N 123° 24' 55.1" W h = 197 m.	Quartz Diorite	Benloff Z	1.0	0.2	29,000	Near critical	60	End	Up
			Benloff NS	1.0	0.2	33,000	Near critical	60	End	South
			Benloff EW	1.0	0.2	27,000	Near critical	60	End	East
			Benloff Z	1.0	80	5,600	Over-damped	30	End	Up
			Benloff NS	1.0	80	4,200	Under-damped	30	End	North
			Benloff EW	1.0	80	2,700	Over-damped	30	End	East
Victoria			Milne-Shaw EW 12			300	20:1	8	End	West
			Milne-Shaw NS 12			300	20:1	8	End	North

## SEISMOLOGICAL BULLETIN - 1957

Explanation of Calibration Curves

Calibration curves for all the seismographs of the Canadian network are now being determined, and will be reproduced as they become available in the Dominion Observatory bulletins. The curves will show the velocity sensitivity of each instrument (i. e. the trace displacement in centimetres for unit particle velocity in the ground) as a function of the period of the earthquake waves.

For waves of period  $T$ , the magnification and the acceleration sensitivity of any instrument can be determined by multiplying the velocity sensitivity by  $\frac{2\pi}{T}$  or by  $\frac{T}{2\pi}$  respectively. To facilitate these conversions, the scales of the graph can be used like a slide rule. Lines of constant magnification and of constant acceleration sensitivity are ruled across each graph, the former sloping upwards from left to right, and the latter from right to left. To find the magnification of an instrument for ground waves of any given period, place one point of a pair of dividers on the calibration curve at the appropriate period, and adjust the other point to rest vertically below the first on a magnification line. Move the dividers so that the lower point falls on a horizontal grid line marked with an exact power of 10. The upper point of the dividers will then indicate the magnification. The decimal multiplier will be determined by the fact that the magnification must lie between the values indicated on the datum lines above and below the calibration point. The acceleration sensitivity can be found in the same way as the magnification, starting with an acceleration datum line.



DOMINION OBSERVATORIES

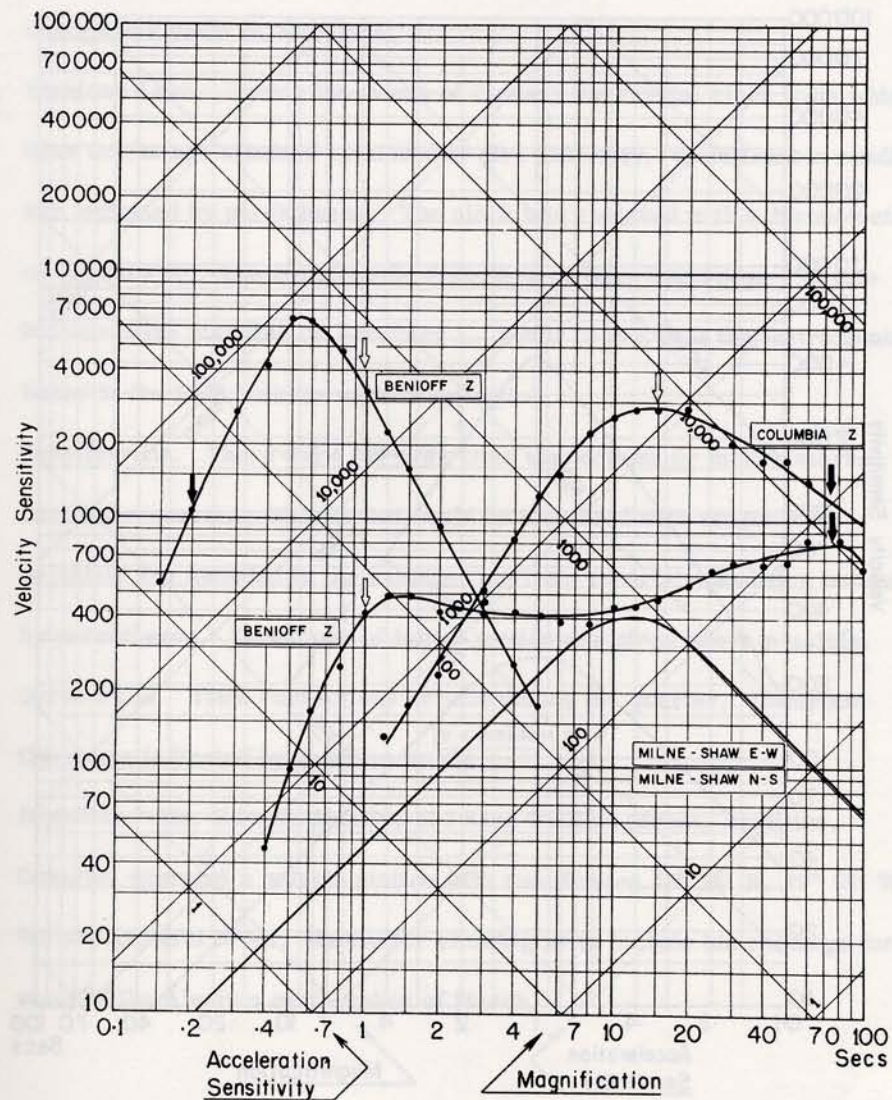
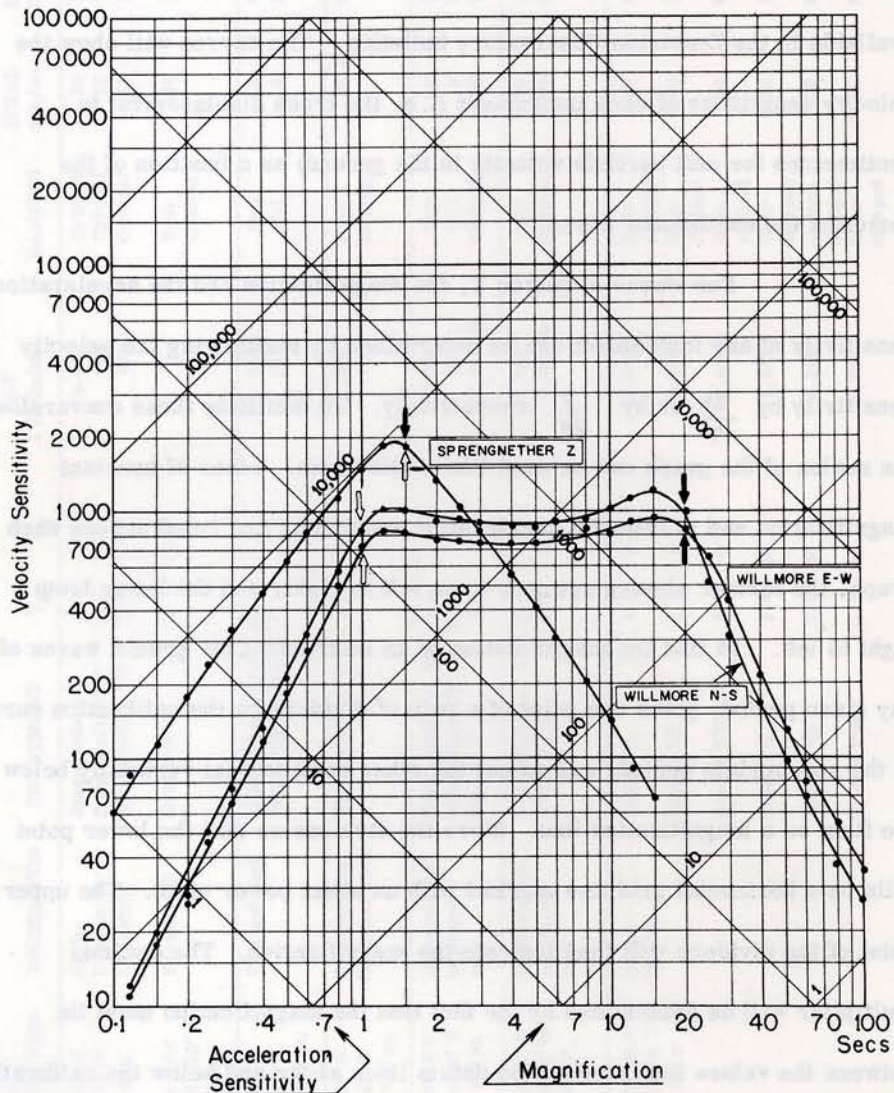
SEISMOLOGICAL BULLETIN - 1957

CALIBRATION CURVES

CALIBRATION CURVES

STATION: KIRKLAND LAKE

STATION: OTTAWA



$\phi = 48^\circ 08' 41''N$   $\lambda = 80^\circ 01' 45''W$  Altitude 310m

$\phi = 45^\circ 23' 38''N$   $\lambda = 75^\circ 42' 57''W$  Altitude 83m

Foundation: Precambrian basement

Foundation: Boulder clay on limestone

$T_s \uparrow$

$T_g \uparrow$

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: January 31st, 1957

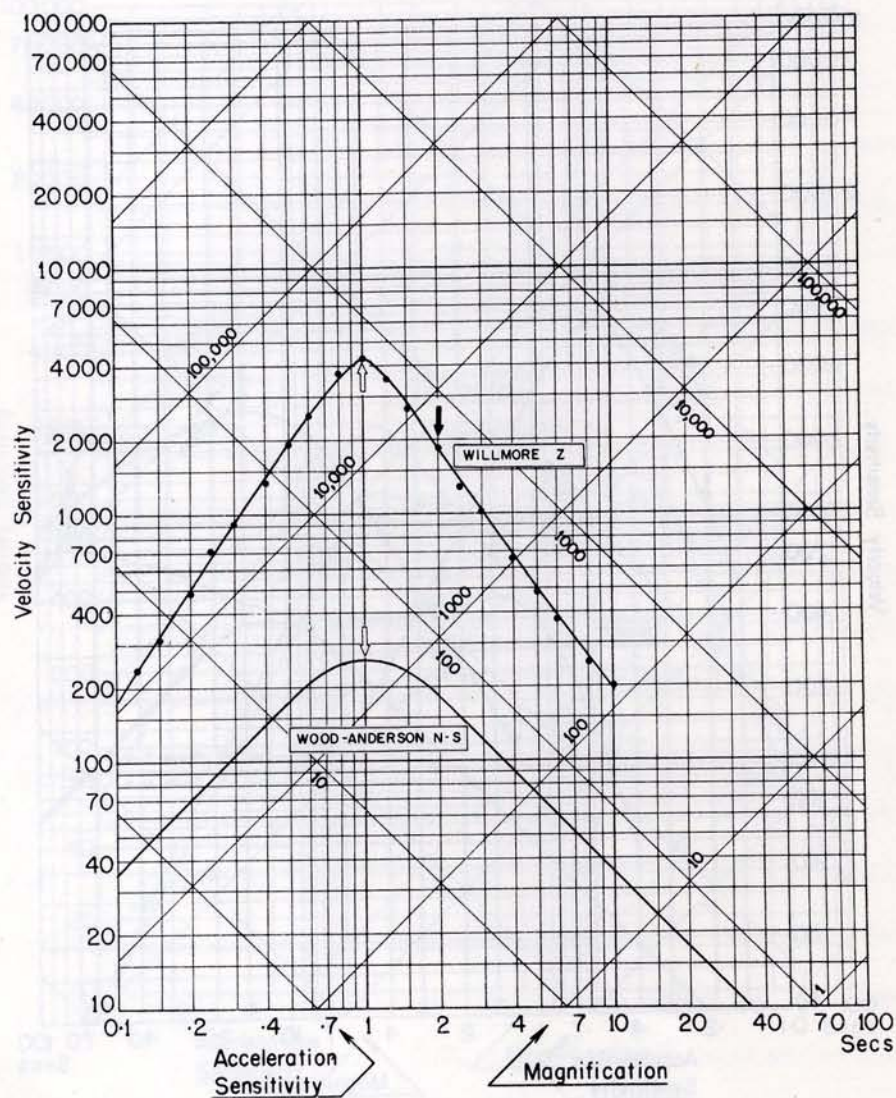
Date of Calibration: April 18th, 1957



DOMINION OBSERVATORIES

CALIBRATION CURVES

STATION: SHAWINIGAN FALLS



$\phi = 46^{\circ} 33.1' N$      $\lambda = 72^{\circ} 45.8' W$     Altitude 60m

Foundation: Precambrian basement

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: December 10th, 1956.

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Notes

1. **Halifax.** The 1.65 sec. galvanometer which was operating with the Willmore Z was replaced by a galvanometer having a period of 2.0 seconds. The change was made on March 14.
2. **Kirkland Lake.** During the month of January the crystal clock from which time marks are obtained continued to give difficulty. Questionable readings are indicated by parentheses. The clock was replaced with a chronometer on January 20. The instruments described on page 3 and page 6 of this bulletin were installed on February 1. Prior to that date the instruments listed in the 1956 bulletin were in operation.
3. **Schefferville.** There were very few time corrections or minute marks during the quarter. Shocks that could be identified with reasonable certainty are included in the bulletin, the time uncertainties being indicated by parentheses. Directions of initial motion are given where possible.
4. **Seven Falls.** Time corrections erratic during the quarter. Uncertain times are indicated by question marks.
5. **Hamilton.** Mr. Edward Mantle, 454 King William Street, Hamilton, Ontario, operates a private station with coordinates  $43^{\circ} 15' N$ ,  $79^{\circ} 51' W$ . We are grateful to Mr. Mantle for allowing us to include his readings for many of the Aleutian earthquakes of March.



DOMINION OBSERVATORIES

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JANUARY - MARCH

JANUARY 1

U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka  
H = 00 56 40  
Banff  
e 01 05 23  
Horseshoe Bay  
iP 01 04 56 c  
Ottawa  
iP 01 07 46 d  
pP 01 08 12  
Resolute  
iP 01 04 32 c  
Seven Falls  
iP 01 05 47?c  
Shawinigan Falls  
eP 01 07 46  
Victoria  
iP 01 04 59 c

JANUARY 1

U. S. C. G. S.  
54 1/2N, 164W  
Unimak Island, Aleutian  
Islands  
H = 03 25 05  
Ottawa  
iP 03 34 32 d  
Resolute  
eP 03 31 45  
Seven Falls  
eP 03 32 41?  
Shawinigan Falls  
iP 03 34 37 c

JANUARY 1

Banff  
iP 17 10 24.3  
i(S) 17 10 24.7  
Local shock

JANUARY 2

U. S. C. G. S.  
53N, 168 1/2W  
Fox Islands foreshock  
H = 00 39 22  
Banff  
eP 00 45 55 c?  
e 00 48 44  
Halifax  
eP 00 49 58  
iS 00 58 38  
eL 01 19.1  
Horseshoe Bay  
eP 00 45 26  
Kirkland Lake  
eP 00 48 (38) c  
Ottawa  
iP 00 49 11 c  
PP 00 51 19  
S 00 57 10  
e 00 57 38  
S<sub>c</sub>S 00 59 04  
SS 01 01 04  
SSS 01 03 04  
Resolute  
iP 00 46 25 c  
P<sub>c</sub>P 00 48 55  
eS 00 51 01  
S<sub>c</sub>S 00 56 30  
eL 00 59 06  
Saskatoon  
e 00 52 16  
e 00 57.0  
Seven Falls  
eP 00 47 17?c  
P<sub>c</sub>P 00 47 58?  
S 00 55 26?  
PS 00 55 54?  
S<sub>c</sub>S 00 57 09?  
e 00 58 04?  
SS 00 59 30  
eL 01 01 44  
Shawinigan Falls  
iP 00 49 16 c  
Victoria  
eP 00 45 21

JANUARY 2

Resolute  
e 02 22 35  
JANUARY 2  
U. S. C. G. S.  
52 1/2N, 168W  
Fox Islands foreshock  
H = 02 17 35  
Banff  
eP 02 24 08  
Halifax  
eP 02 28 12  
eL 02 58.0  
Horseshoe Bay  
e 02 23 33  
e 02 28 09  
Kirkland Lake  
eP 02 26 (54) c?  
Ottawa  
iP 02 27 27 c  
PP 02 29 37  
S 02 35 20  
PS 02 35 40  
PPS 02 35 55  
S<sub>c</sub>S 02 37 20  
SS 02 39 12  
Resolute  
iP 02 24 39 c  
eP<sub>c</sub>P 02 26 46  
eS 02 30 36  
eL 02 38 51  
Saskatoon  
e 02 24 53  
i 02 30 28  
Seven Falls  
eP 02 25 32?  
iPP 02 25 52?  
S 02 23 36?  
PS 02 33 54?  
SS 02 38 02?  
L 02 40 06?  
Shawinigan Falls  
eP 02 27 31  
Victoria  
eP 02 23 33  
e 02 26 58



## DOMINION OBSERVATORIES

## JANUARY 2

U. S. C. G. S.  
53N, 168W  
Fox Islands foreshock  
H = 03 12 52  
Banff  
P 03 19 25 c?  
Halifax  
eP 03 23 31  
Horseshoe Bay  
e 03 23 49  
Kirkland Lake  
eP 03 23 (10) d?  
Ottawa  
iP 03 22 40 d  
P<sub>c</sub>P 03 23 45  
Resolute  
eP 03 19 55  
e 03 35 01  
Seven Falls  
eP 03 20 47?  
L 03 38 17?  
Shawinigan Falls  
iP 03 22 46  
Victoria  
eP 03 18 50  
e 03 22 12

## JANUARY 2

U. S. C. G. S.  
52 1/2N, 168 1/2W  
Fox Islands foreshock  
H = 03 30 34  
Banff  
eP 03 37 04 c  
Kirkland Lake  
eP 03 39 (48) d?  
Ottawa  
iP 03 40 22 c  
Resolute  
eP 03 37 35  
Schefferville  
iP (03 37 13) d  
Seven Falls  
eP 03 38 29?  
Shawinigan Falls  
iP 03 40 26 c

## JANUARY 2

U. S. C. G. S.  
52 1/2N, 168 1/2W  
Fox Islands foreshock  
H = 03 41 08  
Banff  
eP 03 47 39  
Kirkland Lake  
eP 03 50 (26)  
Ottawa  
iP 03 50 56 d  
PP 03 53 05  
Resolute  
eP 03 48 10  
Schefferville  
iP (03 47 49) d  
Seven Falls  
eP 03 49 03?  
Shawinigan Falls  
iP 03 51 02 c

## JANUARY 2

U. S. C. G. S.  
53N, 168W  
Fox Islands Aleutian  
Islands  
H = 03 48 44  
Banff  
eP 03 55 17  
Halifax  
eP 03 59 18  
Horseshoe Bay  
eP 03 54 44  
Kirkland Lake  
eP 03 58 (03) c  
i 03 58 (27) d  
Ottawa  
iP 03 58 33 d  
Resolute  
iP 03 55 48 c  
iS 04 02 03  
Schefferville  
eP 03 55 24 d  
Seven Falls  
eP 03 56 39?  
Shawinigan Falls  
iP 03 58 38 c

## Victoria

eP 03 54 45  
eP<sub>c</sub>P 03 57 54

## JANUARY 2

U. S. C. G. S.  
52 1/2N, 169W  
Fox Islands aftershock  
H = 04 03 26  
Banff  
eP 04 10 01  
Kirkland Lake  
eP 04 12 (45) d  
Ottawa  
iP 04 13 19 c  
PP 04 15 24  
Resolute  
eP 04 10 34  
Schefferville  
iP (04 10 09) c  
Seven Falls  
eP 04 11 25?  
Shawinigan Falls  
iP 04 13 24 c  
Victoria  
eP 04 09 31

## JANUARY 2

Alberni  
iP 06 29 15.5  
iS 06 29 26.1  
Horseshoe Bay  
iP 06 29 34.4  
Victoria  
eP 06 29 20.9  
S 06 29 51.6

## JANUARY 2

U. S. C. G. S.  
52 1/2N, 168W  
Fox Islands aftershock  
H = 10 49 32  
Banff  
eP 10 56 03  
Halifax  
eL 11 21 20

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## Kirkland Lake

eP 10 58 (46) c  
Ottawa  
iP 10 59 20 c  
PP 11 01 30  
S 11 07 16  
PS 11 07 34  
PPS 11 07 50  
S<sub>c</sub>S 11 09 10  
SS 11 11 04  
L 11 13 20  
Resolute  
iP 10 56 34 c  
eS 11 02 04  
eL 11 06 21  
Schefferville  
eP (10 56 06) d  
Seven Falls  
eP 10 57 25?  
S 11 05 29?  
SS 11 09 48?  
L 11 12 00?  
Shawinigan Falls  
iP 10 59 24 c

## JANUARY 2

U. S. C. G. S.  
53N, 168W  
Fox Islands aftershock  
H = 12 47 07  
Banff  
eP 12 53 39  
Kirkland Lake  
eP 12 56 (16)  
Ottawa  
iP 12 56 56 d  
Resolute  
iP 12 54 08 c  
e 12 58 09  
eL 13 06 30  
Schefferville  
iP (12 53 38) d  
Seven Falls  
eP 12 55 01?  
Shawinigan Falls  
iP 12 57 00 d

## JANUARY 2

Alberni  
iP 13 47 44.2  
iS 13 47 52.7  
Horseshoe Bay  
iP 13 47 34.4 c  
Local shock

## JANUARY 2

Kirkland Lake  
eP 15 26 (20)

## JANUARY 2

U. S. C. G. S.  
53N, 168W  
Fox Islands aftershock  
H = 17 51 56  
Ottawa  
eP 18 01 44  
Resolute  
eP 17 58 54  
eS 18 04 29  
eL 18 13 17  
Seven Falls  
eP 17 59 49?  
Shawinigan Falls  
eP 18 01 49

## JANUARY 2

Alberni  
iP 21 39 17.1  
iS 21 39 28.5  
Horseshoe Bay  
iP 21 39 08.7  
Local shock

## JANUARY 3

U. S. C. G. S.  
53N, 168W  
Fox Islands aftershock  
H = 00 41 02  
Banff  
eP 00 47 32 c  
Kirkland Lake  
eP 00 50 (22) c

## Ottawa

iP 00 50 49 c  
i 00 51 05  
Resolute  
iP 00 48 01 c  
eS 00 53 16  
eL 01 03 33  
Schefferville  
iP (00.8)  
Seven Falls  
iP 00 48 54?  
Shawinigan Falls  
iP 00 50 54 c  
Victoria  
eP 00 47 02  
e 00 47 09 d

## JANUARY 3

U. S. C. G. S.  
20S, 69W  
Northern Chile  
H = 02 42 00  
Kirkland Lake  
eP 02 53 (26) c  
Ottawa  
iP 02 53 06 c  
Shawinigan Falls  
eP 02 53 12 c

## JANUARY 3

Alberni  
iP 06 06 41.2  
e 06 06 52.7  
Horseshoe Bay  
iP 06 06 33.1  
Victoria  
iP 06 06 45.4  
iS 06 07 00.3  
Local shock

## JANUARY 3

Horseshoe Bay  
iP 07 30 29.8  
Local shock



DOMINION OBSERVATORIES

**JANUARY 3**  
 Banff  
 eP 07 49 10

**JANUARY 3**  
 Resolute  
 eP 11 51 49

**JANUARY 3**  
 U. S. C. G. S.  
 44N, 130E  
 Southern Manchuria  
 H = 12 48 27  
 Alberni  
 iP 12 58 24  
 Banff  
 iP 12 58 41 c  
 Halifax  
 iP 13 00 33 c  
 epP 13 02 32  
 SKS 13 10 07  
 S 13 10 43  
 SS 13 14 22  
 Horseshoe Bay  
 iP 12 58 26  
 iS 13 06 35  
 iScS 13 07 29  
 Kirkland Lake  
 iP 13 00 (06) c  
 ipP 13 02 (11) c  
 eSKS 13 09 (41)  
 Ottawa  
 iP 13 00 19 c  
 i 13 01 14  
 i 13 02 25  
 pP 13 03 05  
 i 13 04 51  
 SKS 13 09 49  
 S 13 10 10  
 SS 13 13 42  
 SS 13 16 24  
 G 13 19 05  
 Resolute  
 iP 12 57 26 c  
 epP 12 59 17  
 eScP 13 01 14  
 eS 13 04 42  
 esP 13 06 16  
 eG 13 11 48

Saskatoon  
 iP 12 58 57  
 iS 13 07 39  
 iScS 13 08 09  
 isS 13 11 09

Schefferville  
 iP (13.0) c

Seven Falls  
 iP 12 58 11? c  
 i 12 58 26?  
 i 12 59 01?  
 pP 13 00 18?  
 i 13 00 22?  
 PP 13 01 48?  
 SKS 13 07 41?  
 iS 13 08 00?  
 SP 13 08 56?  
 e 13 11 26?  
 isS 13 11 45?  
 e 13 13 30?  
 iSS 13 14 11?  
 G 13 16 26?

Shawinigan Falls  
 iP 13 00 16 c  
 SP 13 02 24  
 PP 13 03 56  
 pPPP 13 06 36  
 SKS 13 09 48  
 S 13 10 08  
 e 13 10 51  
 SP 13 11 13

Victoria  
 iP 12 58 28.9 c  
 epP 13 00 23  
 e 13 06 41  
 e 13 07 35  
 eS 13 10 09  
 SS 13 11 25  
 e 13 28 04  
 2 13 29 28

**JANUARY 3**  
 Resolute  
 e(P) 13 26 20  
 e 13 28 45  
 e 13 41 01  
 e 13 42 34

**JANUARY 3**  
 U. S. C. G. S.  
 44N, 130E  
 Manchuria aftershock  
 H = 13 43 29  
 Banff  
 iP 13 53 43 c  
 Kirkland Lake  
 eP 13 55 (09)  
 Ottawa  
 eP 13 55 21 c  
 Resolute  
 iP 13 52 29 c  
 iScP 13 56 17  
 eS 13 59 44  
 Victoria  
 iP 13 52 31 c

**JANUARY 3**  
 Kirkland Lake  
 eP 14 24 (26)  
 Ottawa  
 eP 20 43 03 d  
 Resolute  
 eP 20 42 58

**JANUARY 4**  
 Resolute  
 eP 06 06 00

**JANUARY 4**  
 U. S. C. G. S.  
 7N, 78W  
 Near coast of Columbia  
 H = 12 36 10  
 Banff  
 eP 12 46 27  
 Kirkland Lake  
 e(P) 12 44 (13)  
 Ottawa  
 eP 12 43 51 d  
 Resolute  
 eP 12 47 28  
 Seven Falls  
 eP 12 41 58? c  
 Shawinigan Falls  
 eP 12 44 04  
 i 12 44 20

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**JANUARY 5**  
 U. S. C. G. S.  
 44 1/2N, 149 1/2E  
 Kurile Islands  
 H = 01 12 16  
 Resolute  
 eP 01 21 41

**JANUARY 5**  
 Alberni  
 iP 13 58 35.2  
 iS 13 58 46.8  
 Horseshoe Bay  
 iP 13 58 25.1  
 Victoria  
 iP 13 58 38.4  
 iS 13 58 53.1  
 Local shock

**JANUARY 5**  
 U. S. C. G. S.  
 54N, 165W  
 South of Unimak Island,  
 Aleutian Islands  
 H = 17 15 15  
 Resolute  
 eP 17 22 02

**JANUARY 5**  
 Victoria  
 iP 19 00 33 d

**JANUARY 6**  
 U. S. C. G. S.  
 1/2S, 20W  
 Mid-Atlantic Ocean  
 H = 00 18 23  
 Kirkland Lake  
 eP 00 29 (36)  
 Ottawa  
 iP 00 29 17 c  
 Resolute  
 eP 00 31 16  
 Shawinigan Falls  
 iP 00 29 08

**JANUARY 6**  
 U. S. C. G. S.  
 26N, 126E  
 Ryukyu Islands  
 H = 01 36 58  
 Resolute  
 iP 01 48 45 d  
 Victoria  
 eP 01 49 24 d

**JANUARY 6**  
 Alberni  
 iP 11 06 50.7 c  
 iS 11 06 56.2  
 Horseshoe Bay  
 iP 11 06 29.5 d  
 Local shock

**JANUARY 6**  
 U. S. C. G. S.  
 Near south coast of  
 Mindanao, Philippine  
 Islands  
 H = 20 23 37  
 Halifax  
 i 20 42 40 d  
 Resolute  
 eP 20 36 50  
 Shawinigan Falls  
 iP' 20 42 32 c

**JANUARY 6**  
 Shawinigan Falls  
 iP 20 51 41 c

**JANUARY 7**  
 Resolute  
 eP 02 33 32

**JANUARY 7**  
 Resolute  
 eP 16 57 50

**JANUARY 8**  
 U. S. C. G. S.  
 2S, 99E  
 Off west coast of  
 Sumatra  
 H = 05 22 26  
 Resolute  
 eL 06 25 18

**JANUARY 8**  
 Alberni  
 iP 13 46 44.1  
 iS 13 47 06.5  
 Horseshoe Bay  
 iP 13 46 38.1  
 Victoria  
 iP 13 46 27.1 c  
 iS 13 46 38.3  
 Local shock

**JANUARY 8**  
 U. S. C. G. S.  
 52 1/2N, 168W  
 Fox Islands aftershock  
 H = 17 29 36  
 Kirkland Lake  
 e(P) 17 39 06  
 Ottawa  
 eP 17 39 26 d  
 Resolute  
 iP 17 36 39 c  
 eS 17 41 45  
 eL 17 51 07  
 Seven Falls  
 eP 17 37 21? d  
 Shawinigan Falls  
 eP 17 39 30 d



DOMINION OBSERVATORIES

JANUARY 8  
Horseshoe Bay  
iP 17 05 28.4  
Local shock

JANUARY 8  
Banff  
eP 20 31 39  
Local shock

JANUARY 9  
U. S. C. G. S.  
54N, 169W  
Kormandorskie Islands  
H = 01 38 50  
Banff  
eP 01 46 49  
Resolute  
eP 01 46 28

JANUARY 9  
U. S. C. G. S.  
New Britain region  
H = 06 15 37  
Halifax  
eL 07 55.0  
Ottawa  
iP' 06 34 42 d  
Seven Falls  
eP' 06 32 31

JANUARY 9  
U. S. C. G. S.  
53N, 167 1/2W  
Fox Islands aftershock  
H = 07 52 56  
Banff  
eP 07 59 18  
Horseshoe Bay  
e 08 02 52  
e 08 03 18  
e 08 07.2  
Kirkland Lake  
eP 08 02 24

Ottawa  
iP 08 02 41 d  
S 08 10 32  
S<sub>c</sub>S 08 12 30  
SS 08 14 40  
Resolute  
iP 07 59 55 c  
eS 08 05 33  
eL 08 07 55  
Schefferville  
eP (08 02 25) c  
Seven Falls  
eP 08 00 37? d  
S 08 08 38?  
SS 08 02 48?  
G 08 05 05?  
Shawinigan Falls  
eP 08 02 46 d  
Victoria  
eP 07 58 54  
eS 08 03 35  
eL 08 05.1

JANUARY 9  
U. S. C. G. S.  
5N, 83W  
Off south coast of  
Panama  
H = 09 23 40  
Ottawa  
eP 09 31 11  
Seven Falls  
eP 09 29 28?

JANUARY 9  
U. S. C. G. S.  
7 1/2N, 69 1/2W  
Venezuela  
H = 09 56 23  
Resolute  
eL 10 24 15

JANUARY 9  
Shawinigan Falls  
eP 10 21 48

JANUARY 9  
U. S. C. G. S.  
34 1/2N, 141E  
Off east coast of  
Honshu, Japan  
H = 10 27 45  
Resolute  
eP 10 38 22 c  
i 10 38 23 d  
Schefferville  
iP (10 40.2) d

JANUARY 9  
Victoria  
eP 22 33 57.2  
iS 22 34 08.5  
Local shock

JANUARY 10  
Alberni  
eP 01 59 59.0  
eS 02 00 20.0  
Horseshoe Bay  
iP 01 59 47.2  
iS 02 00 00.0  
Victoria  
iP 01 59 41.0 d  
iS 01 59 48.7  
i 01 59 53.3  
Local shock

JANUARY 10  
U. S. C. G. S.  
6W, 95 1/2E  
Northern Sumatra  
H = 04 14 44  
Resolute  
eL 04 53 42

JANUARY 10  
Resolute  
e 06 47 01

SEISMOLOGICAL BULLETIN - 1957

JANUARY 11  
Alberni  
iP 12 38 32.2  
iS 12 38 41.5  
Local shock

JANUARY 11  
U. S. C. G. S.  
27N, 127 1/2E  
Ryukyu Islands  
H = 23 31 50  
Resolute  
iP 23 43 31 d

JANUARY 13  
U. S. C. G. S.  
38 1/2N, 71E  
Tadshik, S. S. R.  
H = 11 38 15  
Resolute  
eP 11 49 05  
Schefferville  
eP (11 43.2) c

JANUARY 13  
U. S. C. G. S.  
32 1/2N, 142 1/2E  
About 200 miles off east  
coast of Honshu, Japan  
H = 12 20 00  
Resolute  
iP 12 30 50 c

JANUARY 14  
U. S. C. G. S.  
11S, 163E  
Solomon Islands  
H = 00 28 38  
Resolute  
ePS 00 56 07  
eL 01 18 46

JANUARY 14  
Alberni  
iP 03 51 41.6  
iS 03 51 55.5  
Victoria  
iP 03 51 37.0  
iS 03 51 46.4  
i 03 51 48.1

JANUARY 14  
U. S. C. G. S.  
20S, 69W  
Tarapaco Province,  
Chile  
H = 05 36 03  
Ottawa  
eP 05 46 32  
Shawinigan Falls  
iP 05 46 39 d

JANUARY 15  
U. S. C. G. S.  
2S, 76 1/2W  
Ecuador  
H = 04 09 15  
Kirkland Lake  
eP 04 18 02  
Ottawa  
iP 04 17 43 d  
pP 04 18 01 d  
i 04 18 39  
PP 04 19 41 d  
Resolute  
eP 04 21 24  
e 04 39 49  
eG 04 47 10  
Schefferville  
iP (04.4) d  
Shawinigan Falls  
eP 04 17 53  
pP 04 18 10  
i 04 18 49

JANUARY 15  
U. S. C. G. S.  
6 1/2N, 127E  
About 100 miles off  
coast of Mindanao,  
Philippine Islands  
H = 20 21 45  
Resolute  
e 21 13 26

JANUARY 15  
U. S. C. G. S.  
11N, 86 1/2W  
Near coast of Nicaragua  
H = 21 40 26  
Kirkland Lake  
eP 21 47 39 d  
Ottawa  
iP 21 47 23  
Resolute  
eL 22 15 24  
Schefferville  
eP (21.6) c  
Shawinigan Falls  
eP 21 47 38

JANUARY 15  
U. S. C. G. S.  
Southern Catamarca  
Province, Argentina  
H = 22 54 05  
Kirkland Lake  
iP 23 06 07 c  
Ottawa  
iP 23 05 49  
Shawinigan Falls  
iP 23 05 57 d

JANUARY 16  
Resolute  
iP 19 35 28 c

JANUARY 16  
Resolute  
eP 22 30 52



## DOMINION OBSERVATORIES

JANUARY 17  
 Resolute  
 iP 00 48 29 c

JANUARY 17  
 Halifax  
 iP<sub>1</sub> 22 22 45  
 iS<sub>1</sub> 22 22 50  
 d = 43 km

JANUARY 17  
 U. S. C. G. S.  
 33N, 137 1/2E  
 Off south coast of  
 Honshu, Japan  
 H = 22 26 10  
 Resolute  
 eP 22 37 07 c  
 i 22 37 08 d  
 Victoria  
 iP 22 37 35 c

JANUARY 18  
 U. S. C. G. S.  
 Near coast of Guerrero,  
 Mexico  
 H = 13 12 42  
 Resolute  
 eL 13 42 23

JANUARY 18  
 Halifax  
 iP<sub>1</sub> 16 39 47  
 iS<sub>1</sub> 16 39 53  
 d = 50 km

JANUARY 18  
 Ottawa  
 iP<sub>n</sub> 18 54 31  
 iS<sub>n</sub> 18 55 03  
 L 18 55 25  
 d = 350 km

Shawinigan Falls  
 iP<sub>n</sub> 18 54 23.0  
 iS<sub>n</sub> 18 54 46.5  
 i 18 55 21.5

JANUARY 19  
 U. S. C. G. S.  
 21 1/2S, 179W  
 Fiji Islands region  
 H = 05 16 37  
 Halifax  
 iP 05 34 21 c  
 i 05 44 21  
 Horseshoe Bay  
 iP 05 28 16 c?  
 Ottawa  
 iP' 05 34 09 d  
 Resolute  
 eP' 05 33 57  
 Shawinigan Falls  
 eP' 05 34 13 d  
 Victoria  
 iP 05 28 13 d

JANUARY 20  
 Kirkland Lake  
 e(P) 07 45 02

JANUARY 20  
 U. S. C. G. S.  
 About 300 miles off south  
 coast of Honshu, Japan  
 H = 10 59 35  
 Resolute  
 eP 11 10 35

JANUARY 20  
 Resolute  
 eP 14 04 09 d  
 i 14 04 10 c

JANUARY 20  
 U. S. C. G. S.  
 36 1/2N, 71 1/2E  
 Hindu Kush  
 H = 18 12 47  
 Kirkland Lake  
 e 18 26 11  
 e 18 26 19  
 Ottawa  
 eP 18 25 51  
 Resolute  
 eP 18 23 40  
 eS 18 31 55  
 eSSS 18 40 10  
 Shawinigan Falls  
 eP 18 25 45

JANUARY 21  
 Alberni  
 eP 08 23 05.9  
 iS 08 23 30.8  
 Victoria  
 eP 08 22 49.3  
 iS 08 23 05.3  
 Local shock

JANUARY 21  
 U. S. C. G. S.  
 23S, 70 1/2W  
 Chile, Felt at  
 Antofagasta  
 H = 10 01 46  
 Kirkland Lake  
 eP 10 13 (14)

JANUARY 21  
 Kirkland Lake  
 iP<sub>1</sub> 22 19 (01)  
 Ottawa  
 iP<sub>n</sub> 22 20 03.5  
 iP<sub>1</sub> 22 20 13.0  
 eS<sub>n</sub> 22 20 42.0  
 iS<sub>1</sub> 22 21 03.0  
 e 22 21 07  
 d = 420 km

Seven Falls  
 e(P<sub>n</sub>) 22 17 54?  
 e 22 19 05?  
 i 22 19 38?

Shawinigan Falls  
 iP<sub>n</sub> 22 20 18  
 eS<sub>n</sub> 22 21 12  
 i 22 21 17  
 i 22 21 23  
 i 22 21 36  
 S<sub>1</sub> 22 21 48  
 d = 590 km  
 Rockburst at Kirkland  
 Lake

JANUARY 21  
 Resolute  
 eP 22 33 04

JANUARY 22  
 Resolute  
 iP 00 03 40

JANUARY 22  
 U. S. C. G. S.  
 4 1/2S, 28 1/2E  
 Belgian Congo  
 H = 11 18 23  
 Resolute  
 eL 12 12 56

JANUARY 22  
 U. S. C. G. S.  
 11S, 166 1/2E  
 Santa Cruz Islands  
 H = 12 31 54  
 Halifax  
 eL 13 31.6  
 Resolute  
 eSS 13 04 19  
 eL 13 20 29

## SEISMOLOGICAL BULLETIN - 1957

JANUARY 23  
 U. S. C. G. S.  
 37N, 22 1/2E  
 Near west coast of  
 Greece  
 H = 17 26 51  
 Ottawa  
 eP 17 38 04 d  
 Resolute  
 eP 17 37 09  
 Shawinigan Falls  
 eP 17 37 47

JANUARY 24  
 U. S. C. G. S.  
 6S, 147E  
 Near east coast of  
 New Guinea  
 H = 01 11 11  
 Ottawa  
 iP' 01 30 07 c  
 pP' 01 30 38 c  
 Resolute  
 eP 01 25 00  
 ePP 01 29 22  
 ePS 01 38 39  
 eSS 01 43 25  
 Shawinigan Falls  
 ePP 01 30 36

JANUARY 24  
 U. S. C. G. S.  
 Marianas Islands  
 H = 02 04 40  
 Resolute  
 eP 02 16 44

JANUARY 24  
 U. S. C. G. S.  
 12 1/2S, 78W  
 Near coast of Peru  
 H = 07 16 29  
 Kirkland Lake  
 eP 07 26 46

Ottawa  
 eP 07 26 23 d  
 S 07 34 18  
 S<sub>c</sub>S 07 36 05  
 L 07 40 07  
 Resolute  
 iP 07 29 19 c  
 eS 07 39 47  
 eSS 07 45 21  
 eL 07 53 28  
 Shawinigan Falls  
 iP 07 26 32 d  
 Victoria  
 e(P) 07 28 00  
 e(S) 07 37 24

JANUARY 24  
 U. S. C. G. S.  
 25 1/2S, 109 1/2W  
 Southern Gulf of  
 California  
 H = 14 59 37  
 Ottawa  
 eP 15 06 26 d  
 S<sub>c</sub>S 15 17 10  
 L 15 17 40  
 Resolute  
 eL 15 26 29

JANUARY 24  
 U. S. C. G. S.  
 25 1/2N, 110W  
 Gulf of California  
 aftershock  
 H = 16 30 45  
 Ottawa  
 eP 16 37 33  
 Resolute  
 eL 16 57 38

JANUARY 24  
 U. S. C. G. S.  
 25 1/2N, 109 1/2W  
 Gulf of California  
 aftershock  
 H = 16 59 50



## DOMINION OBSERVATORIES

Ottawa	JANUARY 25	JANUARY 26
eP 17 06 34	Kirkland Lake	U. S. C. G. S.
L 17 17 40	eP 04 16 12	42 1/2N, 42E
Resolute	Ottawa	Georgia, S. S. R.
eP 17 08 45	eP 04 16 21	H = 16 30 48
eL 17 26 17	Shawinigan Falls	Resolute
	iP 04 16 22 d	eP 16 40 54
JANUARY 24	JANUARY 25	JANUARY 27
U. S. C. G. S.	U. S. C. G. S.	Victoria
20S, 176 1/2W	49 1/2N, 156E	iP 06 33 26
Tonga Islands	Northern Kurile Islands	eS 06 33 41.9
H = 19 25 16	H = 16 59 48	Local shock
Resolute	Resolute	
eL 20 12 36	eP 17 08 27	
	eL 17 25 02	JANUARY 27
JANUARY 25		Resolute
U. S. C. G. S.	JANUARY 25	iP 11 18 17 d
51 1/2N, 177W	U. S. C. G. S.	
Andreanof Islands,	About 100 miles north	JANUARY 27
Aleutian Islands	east coast of Greenland	Shawinigan Falls
H = 03 36 47	H = 23 26 08	eP 13 48 29
Alberni	Resolute	i 13 48 38
iP 03 44 26 c	eP 23 30 14	i 13 50 28
Halifax	eS 23 34 13	
iP 03 47 51		JANUARY 27
Kirkland Lake		U. S. C. G. S.
eP 03 46 44 d?	JANUARY 26	10N, 126 1/2E
Ottawa	U. S. C. G. S.	Mindanao, Philippine
eP 03 47 10 d	48 1/2N, 122W	Islands
L 04 02 50	Washington	H = 14 03 22
Resolute	H = 01 16 06	Resolute
iP 03 44 17 d	Alberni	iP 14 16 34 d
iS 03 50 10	iP 01 16 39.1	eS 14 27 15
eL 03 52 26	Resolute Bay	eL 14 51 15
e(SS) 03 53 11	eL 01 31 18	
eL 03 56 36	Victoria	JANUARY 27
Schefferville	iP 01 16 21.1	Shawinigan Falls
eP (03.6) d	iS 01 16 25.3	e(P) 16 52 25
Seven Falls	Local to Alberni and	
eP 03 44 38?	Victoria	JANUARY 28
Shawinigan Falls		U. S. C. G. S.
eP 03 47 14	JANUARY 26	27N, 130 1/2E
Victoria	Resolute	Ryukyu Islands
iP 03 43 36 d	eP 09 10 53	H = 05 23 25
e 03 46 11		
iS 03 49 00		
L 03 51.5		

## SEISMOLOGICAL BULLETIN - 1957

Ottawa	JANUARY 29	JANUARY 30
iP 05 37 34 d	U. S. C. G. S.	Resolute
pP 05 38 28 d	43N, 43E	eP 13 37 12
Resolute	Georgia aftershock	e 13 57 06
iP 05 35 05 d	H = 15 17 30	
eL 06 02 13	Resolute	JANUARY 30
	ePPP 15 31 32	U. S. C. G. S.
JANUARY 28		20 1/2S, 174W
U. S. C. G. S.	JANUARY 29	Tonga Islands
15 1/2S, 173W	U. S. C. G. S.	H = 15 29 00
Samoa Islands region	36 N, 122 1/2W	Resolute
H = 08 16 19	Near coast of southern	eL 16 15 20
Resolute	California	
eP 08 30 14	H = 21 19 51	JANUARY 31
e 08 40 49	Resolute	U. S. C. G. S.
e 09 00 59	iP 21 27 39 c	22S, 66W
e 09 05 40		Southern Bolivia
Victoria	JANUARY 29	H = 00 47 00
eP 08 28 18	Resolute	Halifax
	iP 21 31 49 c	i 00 57 50
JANUARY 28		Kirkland Lake
U. S. C. G. S.	JANUARY 30	eP 00 58 09 c
49N, 156E	U. S. C. G. S.	Ottawa
Northern Kurile	15S, 173W	iP 00 57 50 c
Islands	Samoa Islands region	pP 00 58 13
H = 23 18 51	H = 09 46 05	Schefferville
Ottawa	Resolute	iP (00.6) c
iP 23 30 51 c	eL 10 35 43	Shawinigan Falls
Resolute		iP 00 57 56 c
eP 23 27 33	JANUARY 30	pP 00 58 20
Shawinigan Falls	U. S. C. G. S.	
eP 23 30 52	65N, 134W	JANUARY 31
JANUARY 28	Yukon, Canada	Resolute
U. S. C. G. S.	H = 12 08 27	iP 04 12 29 c
12N, 86 1/2W	Kirkland Lake	
Near coast of	eP 12 15 43 d?	JANUARY 31
Nicaragua	e 12 25 19	U. S. C. G. S.
H = 23 59 46	Ottawa	Kurile Islands
Kirkland Lake	iP 12 15 37 d	H = 15 34 40
eP 24 06 55	i 12 27 32	Resolute
Ottawa	L 12 30 00	iP 15 43 47 d?
eP 24 06 40	Resolute	
Shawinigan Falls	eP 12 12 07	
eP 24 06 55	iS 12 14 55	
	i 12 16 49	



## DOMINION OBSERVATORIES

FEBRUARY 1  
Resolute  
eP 02 59 17

FEBRUARY 1  
Alberni  
iP 09 38 26.2  
iS 09 38 36.0  
Horseshoe Bay  
iP 09 38 25.1  
iS 09 38 33.6  
Victoria  
iP 09 38 31.0  
iS 09 38 43.3  
Local shock

FEBRUARY 1  
Resolute  
eP 22 05 27  
Shawinigan Falls  
eP 22 11 03

FEBRUARY 1  
U. S. C. G. S.  
48 1/2N, 155E  
Kurile Islands  
H = 22 32 53  
Ottawa  
iP 22 44 48 d  
Resolute  
iP 22 41 43 d  
Shawinigan Falls  
eP 22 44 50 d

FEBRUARY 2  
U. S. C. G. S.  
21 1/2S, 170E  
Loyalty Islands region  
H = 11 45 35  
Ottawa  
iP 12 04 32 d  
Resolute  
eL 12 46 46  
Shawinigan Falls  
eP' 12 04 36

FEBRUARY 2  
Halifax  
iP<sub>1</sub> 16 26 48.0  
i 16 26 53.0  
iS<sub>1</sub> 16 26 54.5  
d = 55 km

FEBRUARY 2  
Resolute  
eP 19 34 30  
i 19 34 33 d  
e 19 35 08

FEBRUARY 3  
Alberni  
iP 10 32 25.9  
iS 10 32 43.2  
Local shock

FEBRUARY 3  
U. S. C. G. S.  
Kamchatka foreshock  
H = 10 33 09  
Resolute  
eP 10 40 32

FEBRUARY 3  
Resolute  
e 16 32 02

FEBRUARY 3  
U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka foreshock  
H = 17 01 47  
Halifax  
eP 17 13 33 c  
eL 17 44 58  
Kirkland Lake  
eP 17 12 35  
Ottawa  
eP 17 13 04 c  
Resolute  
eP 17 09 48  
i 17 09 49 c  
eL 17 24 05

Schefferville  
eP (17) c  
Shawinigan Falls  
eP 17 13 05 c  
Victoria  
eP 17 10 18

FEBRUARY 3  
Kirkland Lake  
eP 17 23 15

FEBRUARY 3  
U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka  
H = 17 24 50

Halifax  
iP 17 36 36 c  
Horseshoe Bay  
eP 17 33 20.3  
Kirkland Lake  
eP 17 35 42  
e 18 04 15

Ottawa  
eP 17 36 07 d  
Resolute  
iP 17 32 50 d  
e 17 37 32  
eS 17 39 09  
eL 17 41 43  
Saskatoon  
eP 17 34 05  
eS 17 41 37  
eL 17 54.0

Schefferville  
iP (17) c  
Seven Falls  
eP 17 33 07  
S 17 42 21  
Shawinigan Falls  
eP 17 36 07 d  
Victoria  
eP 17 33 19 d?  
PP 17 35 16  
iS 17 40 12  
SS 17 44 03  
L 17 47.5

FEBRUARY 3  
U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka aftershock  
H = 21 11 53  
Ottawa  
eP 21 23 11  
Resolute  
iP 21 19 54 c  
Schefferville  
eP (21) d  
Shawinigan Falls  
eP 21 23 11  
Victoria  
eP 21 20 25  
e 21 26 07

FEBRUARY 3  
U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka aftershock  
H = 21 17 35  
Halifax  
iP 21 29 21 c  
Ottawa  
eP 21 28 53  
Resolute  
iP 21 25 37 c  
Schefferville  
iP (21) c  
Shawinigan Falls  
eP 21 28 57 d

FEBRUARY 3  
U. S. C. G. S.  
53 1/2N, 159E  
Kamchatka  
H = 22 58 24  
Halifax  
iP 23 10 10  
Kirkland Lake  
eP 23 09 18  
Ottawa  
eP 23 09 43  
Resolute  
eP 23 06 23 d  
i 23 06 24 c  
e 23 19 55  
e 23 22 53

Shawinigan Falls  
eP 23 09 42 c  
Victoria  
eP 23 06 56  
PP 23 08 48  
eS 23 13 54

FEBRUARY 4  
Resolute  
eP 04 36 50  
e 04 38 09

FEBRUARY 4  
U. S. C. G. S.  
10N, 84W  
Costa Rica  
H = 09 01 52  
Kirkland Lake  
eP 09 09 13  
Ottawa  
eP 09 08 55 d  
Resolute  
iP 09 12 29 d  
Schefferville  
eP (09) c  
Shawinigan Falls  
eP 09 09 09  
Victoria  
eP 10 37 03

FEBRUARY 4  
U. S. C. G. S.  
51N, 160 1/2E  
Off south coast of  
Kamchatka  
H = 10 28 27  
Kirkland Lake  
eP 10 39 31  
Ottawa  
eP 10 39 54 c  
PP 10 42 36  
Resolute  
iP 10 36 46 d?  
Schefferville  
eP (10) c  
Shawinigan Falls  
eP 10 39 55 c

FEBRUARY 4  
U. S. C. G. S.  
18S, 176 1/2W  
Fiji Islands region  
H = 04 02 05  
Victoria  
eP 04 13 54  
pP 04 14 56

FEBRUARY 4  
U. S. C. G. S.  
25 1/2N, 45 1/2W  
Mid-Atlantic Ocean  
H = 04 51 20

Halifax  
iP 04 56 41 c  
iS 05 01 07  
Kirkland Lake  
iP 04 58 21 d  
Ottawa  
eP 04 57 46 c

i 04 57 52  
e 04 58 42  
S 05 03 04  
L 05 04 40

Resolute  
iP 05 00 56 d  
eS 05 19 17  
eL 05 22 39  
Seven Falls  
eP 04 54 23?  
S 04 58 58?  
L 05 00 39?

Shawinigan Falls  
eP 04 57 35 c  
i 04 57 40  
Victoria  
iP 05 01 54.0 c  
iS 05 10 40  
eL 05 21.7

FEBRUARY 4  
Kirkland Lake  
eP 08 03 08  
Shawinigan Falls  
iP 08 02 53 c



## DOMINION OBSERVATORIES

FEBRUARY 5  
U.S.C.G.S.  
36 1/2N, 29E  
Near south coast of  
Turkey  
Shawinigan Falls  
eP 17 32 16 c

FEBRUARY 5  
Alberni  
iP 19 23 27.9  
iS 19 23 43.8  
Horseshoe Bay  
iP 19 23 14.7  
iS 19 23 29.7  
Victoria  
iP 19 23 03.6  
iS 19 23 10.8  
Local shock

FEBRUARY 6  
U.S.C.G.S.  
Galapagos Islands  
foreshock  
H = 12 41 16  
Ottawa  
eP 12 49 35 d

FEBRUARY 6  
U.S.C.G.S.  
2N, 91W  
Galapagos Islands  
region  
H = 13 06 13  
Halifax  
eL 13 22 14  
Kirkland Lake  
e 13 14 49  
e 13 16 05  
e 13 17 14  
Ottawa  
eP 13 14 33  
e 13 17 02  
S 13 21 20  
L 13 25 50

Resolute  
eP 13 17 37  
eS 13 26 26  
eL 13 35 11  
Shawinigan Falls  
eP 13 14 45  
Victoria  
e 13 17 02  
eL 13 34.2

FEBRUARY 6  
U.S.C.G.S.  
Galapagos Islands  
aftershock  
H = 13 07 30  
Ottawa  
eP 13 15 48  
Resolute  
eL 13 51 32

FEBRUARY 6  
U.S.C.G.S.  
50N, 105 1/2E  
Lake Baikal region,  
U.S.S.R.  
H = 20 34 55  
Halifax  
eP 20 47 34  
eL 21 11.5  
Kirkland Lake  
eP 20 47 17  
Resolute  
iP 20 44 27 c  
eS 20 52 08  
eSS 20 55 51  
eL 20 57 49  
Schefferville  
iP (20) c  
Shawinigan Falls  
eP 20 47 27  
Victoria  
iP 20 46 36.1  
eL 21 08.7

FEBRUARY 6  
U.S.C.G.S.  
Cordoba Province,  
Argentina  
H = 09 02 23  
Halifax  
iP 09 14 24 c  
Kirkland Lake  
eP 09 13 46 c  
e 09 13 57 c  
Schefferville  
eP (09 15.3) d  
Shawinigan Falls  
eP 09 14 35 c  
i 09 14 47 c

FEBRUARY 6  
U.S.C.G.S.  
52 1/2N, 175W  
Andreanof Islands,  
Aleutian Islands  
H = 16 17 09  
Halifax  
eP 16 27 51  
eL 16 51 15  
Kirkland Lake  
eP 16 26 47  
Ottawa  
iP 16 27 15 d  
Resolute  
eP 16 26 00  
eL 16 38 43  
Schefferville  
eP (16 26.6) d  
Shawinigan Falls  
eP 16 27 20 d

FEBRUARY 7  
U.S.C.G.S.  
50N, 130W  
Off coast of Vancouver  
Island, British  
Columbia  
H = 18 14 19  
Halifax  
eL 18 37.5

## SEISMOLOGICAL BULLETIN - 1957

Horseshoe Bay  
eP 18 15 26  
Resolute  
eP 18 20 23  
e(SS) 18 29 48  
eL 18 31 25  
Saskatoon  
e 18 22 36  
Victoria  
iP 18 15 22.1  
e 18 15 27  
S 18 16 52  
Local to stations in  
the Western Division

FEBRUARY 8  
Resolute  
iP 16 40 10 c

FEBRUARY 8  
Victoria  
iP 17 16 12.7  
iS 17 16 22.7  
Local shock

FEBRUARY 9  
U.S.C.G.S.  
1 1/2S, 137 1/2E  
Near north coast of  
New Guinea  
H = 01 53 05  
Resolute  
eP 02 06 55

FEBRUARY 9  
U.S.C.G.S.  
10 1/2N, 126 1/2E  
Near east coast of  
Samar, Philippine  
Islands  
H = 05 59 04  
Resolute  
iP 06 12 05 c

FEBRUARY 9  
Resolute  
iP 07 04 52 d

FEBRUARY 9  
U.S.C.G.S.  
7 1/2N, 83W  
Off south coast of  
Panama  
H = 07 23 18  
Kirkland Lake  
eP 07 31 06  
Ottawa  
iP 07 30 47 d  
Resolute  
eP 07 34 21  
eL 07 59 32  
Shawinigan Falls  
eP 07 31 01 d

FEBRUARY 9  
U.S.C.G.S.  
11 1/2N, 138 1/2E  
Caroline Islands  
H = 08 07 15  
Resolute  
iP 08 20 07 c  
Schefferville  
eP 08 33 11 d  
e 08 33 19

FEBRUARY 9  
U.S.C.G.S.  
34S, 180  
Off coast of North Island,  
New Zealand  
H = 13 29 18  
Halifax  
eP' 13 48 19  
Ottawa  
iP' 13 48 03  
PPP 13 51 26  
Resolute  
iP 13 47 56 c  
e 13 58 04  
e 14 01 18  
F 14 08

Shawinigan Falls  
eP' 13 48 06 c  
PPP 13 51 29

FEBRUARY 9  
Kirkland Lake  
eP 14 51 22  
Schefferville  
eP 14 49 20  
i 14 52 29 d  
e 14 53 27

FEBRUARY 9  
U.S.C.G.S.  
41 1/2N, 126W  
Northern California  
H = 16 38 10  
Halifax  
iP 16 46 26 d  
iS 16 53 04  
iSS 16 56 25  
eL 16 59.5

Horseshoe Bay  
P 16 40 13  
eS 16 41 39  
e 16 41 45  
Kirkland Lake  
eP 16 44 45 c  
eS 16 50 11  
Ottawa  
eP 16 45 14  
PP 16 46 44  
S 16 51 00

Resolute  
iP 16 45 13 c  
eS 16 50 45  
eL 16 52 25  
eScS 16 55 11  
eL 16 58 03  
Saskatoon  
iP 16 42 12  
iS 16 45 28  
Seven Falls  
eP 16 42 23?  
PP 16 43 44?  
S 16 48 25?  
ScS 16 52 53?  
L 16 55 44?



DOMINION OBSERVATORIES

Shawinigan Falls  
 iP 16 45 29 d  
 PP 16 46 53  
 Victoria  
 iP 16 39 59.4  
 i 16 41 17

FEBRUARY 9  
 U.S.C.G.S.  
 41N, 127W  
 Northern California  
 aftershock  
 H = 17 38 22  
 Ottawa  
 eP 17 45 34 d  
 Schefferville  
 iP 17 46 52  
 ePP 17 48 24  
 Shawinigan Falls  
 iP 17 45 48 d

FEBRUARY 9  
 U.S.C.G.S.  
 19S, 174W  
 Tonga Islands  
 H = 17 56 00  
 Resolute  
 i 18 25 58  
 eL 18 47 14

FEBRUARY 9  
 Ottawa  
 iP<sub>n</sub> 20 00 31  
 S<sub>n</sub> 20 00 48  
 L 20 00 56  
 d = 150 km

FEBRUARY 9  
 Ottawa  
 iP<sub>n</sub> 20 31 28  
 S<sub>n</sub> 20 31 47  
 L 20 31 53  
 d = 150 km

FEBRUARY 10  
 U.S.C.G.S.  
 35 1/2N, 35W  
 Azores Islands region  
 H = 05 47 59  
 Halifax  
 iP 05 53 15 c  
 eS 05 57 34  
 eL 05 59.3  
 Kirkland Lake  
 eP 05 55 05  
 Ottawa  
 eP 05 54 38  
 L 06 03 20  
 Resolute  
 eP 05 56 41  
 i 05 56 43 d  
 eS 06 03 45  
 eL 06 11 08  
 Seven Falls  
 eP 05 51 42?  
 L 05 58 43?  
 Shawinigan Falls  
 eP 05 54 14 c

FEBRUARY 10  
 Resolute  
 eP 06 09 49  
 e 07 03 11

FEBRUARY 10  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao foreshock  
 H = 22 32 15  
 Halifax  
 eSS 23 10 00  
 e 23 28 35  
 Kirkland Lake  
 eP 22 51 10  
 Ottawa  
 eP' 22 51 12  
 i 22 52 39  
 PP 22 52 54

Resolute  
 iP 22 45 25 c  
 ePP 22 48 24  
 eS 22 55 47  
 eSS 23 02 29  
 eL 23 14 01  
 Shawinigan Falls  
 eP' 22 51 11 c

FEBRUARY 10  
 Kirkland Lake  
 eP 23 01 31

FEBRUARY 10  
 U.S.C.G.S.  
 10 1/2N, 126 1/2E  
 Mindanao Philippine  
 Islands  
 H = 22 50 52  
 Kirkland Lake  
 eP' 23 09 41  
 Ottawa  
 eP' 23 09 50  
 Resolute  
 iP 23 04 03 d  
 Shawinigan Falls  
 eP' 23 09 48 c

FEBRUARY 10  
 Kirkland Lake  
 eP 23 20 05

FEBRUARY 10  
 Resolute  
 eP 23 42 23

FEBRUARY 11  
 Resolute  
 eP 00 31 38

FEBRUARY 11  
 Resolute  
 eP 00 50 59

FEBRUARY 11  
 Resolute  
 eP 01 03 34

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao aftershock  
 H = 01 14 44  
 Halifax  
 eG 02 05 40  
 eL 02 27.3  
 Ottawa  
 eP' 01 33 41  
 Resolute  
 eP 01 27 52 c  
 i 01 27 57 d  
 eS 01 38 22  
 ePPS 01 40 28  
 eSS 01 44 06  
 eL 02 02 19  
 Shawinigan Falls  
 eP' 01 33 38 c

FEBRUARY 11  
 Resolute  
 eP 03 24 51

FEBRUARY 11  
 Resolute  
 eP 03 38 32

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126 1/2E  
 Mindanao aftershock  
 H = 03 36 11  
 Resolute  
 eP 03 39 21

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao aftershock  
 H = 03 44 33

Ottawa  
 eP' 04 03 41 d  
 Resolute  
 iP 03 57 44 d?  
 Shawinigan Falls  
 eP' 04 03 40 c

FEBRUARY 11  
 Resolute  
 eP 04 08 13

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao aftershock  
 H = 04 04 08  
 Resolute  
 eP 04 17 17

FEBRUARY 11  
 U.S.C.G.S.  
 Mindanao  
 H = 04 47 52  
 Resolute  
 eP 05 01 02

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao aftershock  
 H = 06 47 37  
 Resolute  
 eP 07 00 47

FEBRUARY 11  
 Resolute  
 eP 07 41 41

FEBRUARY 11  
 Resolute  
 eP 11 18 40

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126 1/2E  
 Mindanao aftershock  
 H = 11 57 16  
 Resolute  
 eP 12 10 26

FEBRUARY 11  
 U.S.C.G.S.  
 Mindanao aftershock  
 H = 12 02 09  
 Resolute  
 eP 12 33 22

FEBRUARY 11  
 U.S.C.G.S.  
 10N, 126E  
 Mindanao aftershock  
 H = 14 25 38

Ottawa  
 eP' 14 44 39  
 Resolute  
 iP 14 38 51 c  
 eS 14 49 46  
 eL 15 21 03  
 Shawinigan Falls  
 eP' 14 44 36

FEBRUARY 11  
 Alberni  
 iP 17 05 40.7  
 iS 17 06 12.9  
 Horseshoe Bay  
 iP 17 05 31.2  
 iS 17 05 57.2

Victoria  
 iP 17 05 20.7  
 iS 17 05 44.6

FEBRUARY 11  
 Resolute  
 eP 18 56 07



## DOMINION OBSERVATORIES

FEBRUARY 11  
U.S.C.G.S.  
10N, 126 1/2W  
Mindanao aftershock  
H = 18 56 50  
Resolute  
eP 19 09 59

FEBRUARY 11  
Resolute  
eP 19 53 45

FEBRUARY 11  
Resolute  
eP 20 35 46

FEBRUARY 12  
U.S.C.G.S.  
48 1/2N, 155E  
Northern Kurile  
Islands  
H = 08 52 48  
Kirkland Lake  
eP 09 04 20 d?  
Ottawa  
eP 09 04 42 d  
Resolute  
iP 09 01 37 c  
eL 09 20 16  
Shawinigan Falls  
iP 09 04 43 d

FEBRUARY 12  
Victoria  
iP 12 49 49.1

FEBRUARY 12  
Alberni  
iP 13 41 38.3  
iS 13 41 55.0  
Local shock

FEBRUARY 12  
Resolute  
iP 16 08 55

FEBRUARY 12  
U.S.C.G.S.  
Mindanao aftershock  
H = 17 14 10  
Resolute  
iP 17 27 26 c

FEBRUARY 12  
Resolute  
eP 18 09 06

FEBRUARY 12  
Resolute  
iP 18 23 57 d

FEBRUARY 12  
U.S.C.G.S.  
Mindanao aftershock  
H = 21 06 56  
Resolute  
eP 21 20 07

FEBRUARY 13  
U.S.C.G.S.  
10N, 126 1/2E  
Mindanao aftershock  
H = 00 29 48  
Ottawa  
eP' 00 48 49  
Resolute  
iP 00 43 00 c  
eL 01 25 28  
Shawinigan Falls  
eP' 00 48 46

FEBRUARY 13  
Horseshoe Bay  
iP 12 48 53

FEBRUARY 13  
U.S.C.G.S.  
18S, 169E  
New Hebrides Islands  
H = 12 37 14  
Ottawa  
iP' 12 55 40 c  
Shawinigan Falls  
iP' 12 55 44 c

FEBRUARY 13  
U.S.C.G.S.  
48 1/2N, 157 1/2E  
Northern Kurile Islands  
H = 14 41 34  
Banff  
iP (14) d  
Kirkland Lake  
eP 14 52 57  
Ottawa  
eP 14 53 23  
Shawinigan Falls  
eP 14 53 20 d

FEBRUARY 13  
Shawinigan Falls  
eP 16 43 56

FEBRUARY 13  
Ottawa  
iP 17 13 33

FEBRUARY 13  
Kirkland Lake  
e(P) 17 21 18

FEBRUARY 14  
U.S.C.G.S.  
Mindanao aftershock  
H = 10 16 13  
Resolute  
eP 10 29 22

## SEISMOLOGICAL BULLETIN - 1957

FEBRUARY 14  
Resolute  
eP 13 19 22

FEBRUARY 14  
U.S.C.G.S.  
20N, 120E  
Near south coast of  
Formosa  
H = 23 01 19  
Resolute  
iP 23 13 38 c

FEBRUARY 15  
U.S.C.G.S.  
14S, 71W  
Southeastern Peru  
H = 07 33 10  
Horseshoe Bay  
eP 07 45 01  
Ottawa  
iP 07 43 02 d

FEBRUARY 15  
Resolute  
eP 18 02 57

FEBRUARY 15  
U.S.C.G.S.  
13 1/2N, 141 1/2E  
Mariana Islands region  
H = 18 49 43  
Resolute  
eP 19 02 23

FEBRUARY 16  
U.S.C.G.S.  
5 1/2S, 110E  
Java Sea  
H = 14 12 30  
Ottawa  
eP' 14 30 53  
Shawinigan Falls  
eP' 14 30 59

FEBRUARY 16  
Ottawa  
iP<sub>n</sub> 19 46 39  
S<sub>n</sub> 19 46 57  
L 19 47 07  
d = 160 km

FEBRUARY 17  
U.S.C.G.S.  
13N, 126E  
Near east coast of  
Samar, Philippine  
Islands  
H = 09 51 10  
Resolute  
eP 10 04 08

FEBRUARY 17  
U.S.C.G.S.  
16N, 96 1/2W  
Oaxaca, Mexico  
H = 15 46 45  
Horseshoe Bay  
iP 15 54 23  
eS 16 00 29  
L 16 08 34  
Kirkland Lake  
eP 15 53 34 c  
e 15 56 08  
Ottawa  
iP 15 53 29 c  
i 15 53 37  
PP 15 54 41  
P<sub>c</sub>P 15 56 07  
S 15 58 56

Resolute  
iP 15 56 40 c  
eS 16 05 06  
eL 16 14 09  
Seven Falls  
eP 15 50 33?  
S 15 56 23?  
L 15 59 14?  
Shawinigan Falls  
iP 15 53 48 c  
i 15 53 57  
pP 15 55 13  
S<sub>c</sub>S 16 03 38

Victoria  
iP 15 54 1  
L 16 05.9

FEBRUARY 17  
U.S.C.G.S.  
4 1/2S, 125 1/  
Banda Sea  
H = 16 04 02  
Ottawa  
eP' 16 23 1

FEBRUARY 18  
Horseshoe Bay  
i 07 33 1  
Resolute  
eP 07 32 3

Victoria  
e 07 32 31  
i 07 33 15

FEBRUARY 18  
U.S.C.G.S.  
25 1/2N, 45 1/2  
Mid-Atlantic Ocean  
H = 14 49 30

Banff  
iP 14 59 27

Halifax  
i 14 54 50  
eS 15 59 20  
eSS 16 00 11

Horseshoe Bay  
e(P) 15 00 00

Kirkland Lake  
eP 14 56 28

Ottawa  
eP 14 55 54

S 15 00 50  
L 15 03 20

Resolute  
iP 14 59 03  
e 15 20 33

Seven Falls  
e(P) 14 52 10



## DOMINION OBSERVATORIES

Shawinigan Falls  
eP 14 55 45  
Victoria  
iP 15 00 03.3

FEBRUARY 18  
Resolute  
eP 16 22 10  
e(P) 16 25 44

FEBRUARY 18  
Resolute  
eP 16 54 33

FEBRUARY 18  
U.S.C.G.S.  
11 1/2S, 78W  
Near coast of Peru  
H = 23 49 52  
Kirkland Lake  
eP 23 59 50  
Ottawa  
eP 23 59 28 c  
e 23 59 41  
P<sub>C</sub>P 24 00 24  
Resolute  
iP 24 02 27 c  
Seven Falls  
e(P) 23 56 11  
Shawinigan Falls  
eP 23 59 54

FEBRUARY 19  
Ottawa  
iP<sub>n</sub> 05 20 46  
eS<sub>n</sub> 05 21 09  
d = 215 km  
Seven Falls  
e 05 15 12?  
e 05 15 39?  
i 05 15 46?  
Shawinigan Falls  
eP<sub>1</sub> 05 19 51  
eS<sub>1</sub> 05 20 03  
d = 100 km

FEBRUARY 19  
U.S.C.G.S.  
36 1/2N, 22E  
Near south coast of  
Greece  
H = 07 43 54  
Banff  
iP 07 56 34.3 d  
Halifax  
iP 07 54 21 d  
Kirkland Lake  
eP 07 55 16  
Ottawa  
eP 07 55 09 d  
i 07 55 18  
pP 07 55 32  
Resolute  
eP 07 54 16 c  
i 07 54 18 c  
eS 08 02 55  
eL 08 09 08  
Seven Falls  
eP 07 51 12  
Shawinigan Falls  
eP 07 54 53  
i 07 55 02  
pP 07 55 14

FEBRUARY 19  
U.S.C.G.S.  
56N, 164E  
Near east coast of  
Kamchatka  
H = 19 58 55  
Kirkland Lake  
eP 20 09 22 d  
Ottawa  
P 20 09 48 d  
pP 20 10 07  
Resolute  
eP 20 06 27 c  
i 20 06 27.5 d  
eL 20 26 15  
Shawinigan Falls  
eP 20 09 49

FEBRUARY 19  
Alberni  
i 20 19 09.1  
Horseshoe Bay  
iP 20 18 11.5  
Victoria  
iP 20 18 01.3  
e 20 19 06  
Local shock

FEBRUARY 20  
U.S.C.G.S.  
36 1/2N, 9E  
Northern Tunisia  
H = 04 41 00  
Halifax  
eP 04 50 26  
eL 05 07.6  
Kirkland Lake  
eP 04 51 32  
Ottawa  
eP 04 51 23  
pP 04 51 45  
Resolute  
iP 04 51 06 c  
eL 05 08 16  
Schefferville  
eP 04 48 22  
Shawinigan Falls  
eP 04 51 06

FEBRUARY 20  
U.S.C.G.S.  
16S, 72W  
Near coast of Southern  
Peru  
H = 05 17 18  
Halifax  
iP 05 27 33  
Kirkland Lake  
eP 05 27 44  
Ottawa  
iP 05 27 26 c  
Shawinigan Falls  
iP 05 27 31 d

FEBRUARY 20  
Ottawa  
eP 08 13 36 c

FEBRUARY 20  
U.S.C.G.S.  
53 1/2N, 160E  
Near east coast of  
Kamchatka  
H = 12 59 44  
Kirkland Lake  
eP 13 10 31  
Ottawa  
eP 13 10 55  
Resolute  
iP 13 07 42 c  
Schefferville  
iP 13 08 25 d  
Shawinigan Falls  
eP 13 10 57 c

FEBRUARY 20  
U.S.C.G.S.  
2N, 97E  
Near coast of Sumatra  
H = 21 58 23  
Kirkland Lake  
eP' 22 17 35 c?  
i 22 20 55 c  
Ottawa  
eP' 22 17 41 d  
PP 22 20 20  
PKS 22 21 02  
pPKS 22 21 35  
sPKS 22 21 47  
Resolute  
iP 22 12 26 d?  
ePP 22 16 39  
Schefferville  
iP 22 15 21 c  
e 22 17 21  
Shawinigan Falls  
eP 22 17 36  
PKS 22 20 57  
i 22 21 23  
pPKS 22 21 32  
sPKS 22 21 50

FEBRUARY 21  
Kirkland Lake  
eP 01 21 02  
Ottawa  
eP 01 20 43

FEBRUARY 21  
U.S.C.G.S.  
53N, 171W  
Fox Islands, Aleutian  
Islands  
H = 14 30 06  
Alberni  
iP 14 35 38  
iS 14 41 16  
i 14 42 08  
Banff  
iP 14 36 42.3 c  
iP<sub>C</sub>P 14 39 20 c  
iS 14 42 54  
Halifax  
iP 14 40 36  
eS 14 49 08  
e(SSS) 14 55.8

Horseshoe Bay  
iP 14 36 09  
isP 14 36 31  
iP<sub>C</sub>P 14 39 09  
i 14 39 38  
iS 14 42 40  
Kirkland Lake  
iP 14 39 26  
eS 14 46 52  
Ottawa  
iP 14 39 54 d  
P<sub>C</sub>P 14 40 12  
PP 14 42 00  
S 14 47 46  
Resolute  
iP 14 37 03 d  
eSP 14 37 42  
ePP 14 38 30  
iP<sub>C</sub>P 14 39 25  
eS 14 42 34  
eS<sub>C</sub>P 14 43 01  
eG 14 44 59  
Saskatoon  
iP 14 37 20  
iS 14 43 05

Schefferville  
eP 14 40 01.5 d  
i 14 40 02 c  
iP<sub>C</sub>P 14 41 00  
eP<sub>C</sub>S 14 44 48  
Seven Falls  
eP 14 36 25  
S 14 44 22  
Shawinigan Falls  
eP 14 39 58 d  
pP 14 40 25  
P<sub>C</sub>P 14 40 47  
PP 14 42 06  
sPP 14 42 49  
S<sub>C</sub>P 14 44 35  
Victoria  
iP 14 36 11.6  
isP 14 36 35.4  
iP<sub>C</sub>P 14 39 10.2  
i 14 39 39.4  
iS<sub>C</sub>S 14 46 40  
i 14 47 33

FEBRUARY 21  
Alberni  
iP 18 19 00.1  
i(S) 18 19 05.2  
Horseshoe Bay  
iP 18 19 10.0

FEBRUARY 21  
U.S.C.G.S.  
31S, 178W  
Kermadec Islands  
H = 19 36 05  
Ottawa  
eP' 19 55 00  
Resolute  
iP' 19 54 52  
Shawinigan Falls  
eP' 19 55 07

FEBRUARY 21  
Ottawa  
eP 23 50 49  
Shawinigan Falls  
iP 23 50 39 d

## SEISMOLOGICAL BULLETIN - 1957



## DOMINION OBSERVATORIES

## SEISMOLOGICAL BULLETIN - 1957

FEBRUARY 22	Resolute	Saskatoon	Ottawa	FEBRUARY 23	FEBRUARY 27
U.S.C.G.S.	iP 05 06 25 c	iP 13 23 05	eP 20 40 43	Ottawa	Resolute
49N, 156E	Schefferville	e 13 24 54	e 20 43 45	iP <sub>n</sub> 22 17 26	eP 10 04 13
Kurile Islands	eP 05 09 00	Shawinigan Falls	e 20 44 11	eS <sub>n</sub> 22 17 50	
foreshock	Shawinigan Falls	eP 13 24 05	PP 20 45 08	L 22 18 01	FEBRUARY 27
H = 17 12 49	eP 05 09 32	Victoria	S 20 52 38	d = 225 km	Alberni
Ottawa		iP 13 17 44.9 c	PS 20 54 26	Shawinigan Falls	iP 12 26 49
eP 17 24 45	FEBRUARY 23	e 13 18 34.7	PKKP 20 56 00	e 22 18 15	iS 12 27 16
Resolute	U.S.C.G.S.	This shock was local	SS 21 00 18		Local shock
eP 17 21 37	Kurile Islands	to stations of the	SSS 21 04 38	FEBRUARY 24	
Shawinigan Falls	aftershock	Western Division.	G 21 09 50	Kirkland Lake	FEBRUARY 27
eP 17 24 41	H = 05 01 27		Resolute	e 19 51 31	U.S.C.G.S.
	Ottawa	FEBRUARY 23	iP 20 38 12 c	Ottawa	24N, 121 1/2E
FEBRUARY 23	eP 05 13 24	U.S.C.G.S.	iS 20 48 09	e(P) 19 50 33	Formosa aftershock
Schefferville	Shawinigan Falls	12N, 141E	eSS 20 52 44	i 19 52 38	H = 15 01 22
eP 00 04 56 d	eP 05 13 20	Caroline Islands	e 21 06 24	Shawinigan Falls	Resolute
e 00 05 21		region	eL 21 12 29	e(P) 19 51 09	eP 15 13 25
	FEBRUARY 23	H = 18 54 37	Saskatoon		
FEBRUARY 23	U.S.C.G.S.	Resolute	iP 20 39 32	FEBRUARY 25	
Resolute	49N, 129W	iP 19 07 28	iS 20 50 32	Schefferville	FEBRUARY 28
iP 00 30 52 c	Off coast of Vancouver		eL 21 12.0	eP 20 40 06	U.S.C.G.S.
	Island, British	FEBRUARY 23	Schefferville	Seven Falls	51 1/2N, 180
FEBRUARY 23	Columbia	Resolute	eP 20 40 06	e(PP) 20 41 12?	Andreanof Islands,
U.S.C.G.S.	H = 13 16 51	eP 20 02 04	Seven Falls	S 20 48 53?	Aleutian Islands
Kurile Islands	Alberni		e(PP) 20 41 12?	PS 20 51 07?	H = 11 01 45
foreshock	iP 13 17 30.8	FEBRUARY 23	S 20 48 53?	e 20 56 13?	Ottawa
H = 03 34 46	i 13 17 31.6	U.S.C.G.S.	PS 20 51 07?	SS 20 58 23?	eP 11 12 49
Ottawa	i 13 17 31.3	24N, 122E	e 20 56 13?	Shawinigan Falls	Schefferville
eP 03 46 48	iS 13 18 02.2	Formosa	SS 20 58 23?	eP 20 40 40	iP 11 10 59
Resolute	i 13 18 03.3	H = 20 26 12	Shawinigan Falls	e 20 43 43	Shawinigan Falls
iP 03 43 28 c	Banff	Alberni	eP 20 40 40	e 20 44 50	eP 11 12 22
Schefferville	iP 13 18 59.9	iP 20 38 53	e 20 43 43	PP 20 45 02	
eP 03 46 03	i 13 19 07	Banff	e 20 44 50	e 20 47 24	FEBRUARY 28
Shawinigan Falls	Halifax	iP 20 39 10.2 c	PP 20 45 02	PPP 20 47 53	Victoria
eP 03 46 35	eL 13 40.0	Halifax	e 20 47 24	e 20 53 32	iP 15 54 34.
	Horseshoe Bay	eP 20 45 03	PS 20 54 22	PS 20 54 22	
FEBRUARY 23	iP 13 17 46.2	iSSS 21 05 06	PKKP 20 56 07	PKKP 20 56 07	FEBRUARY 28
U.S.C.G.S.	iS 13 18 29	Horseshoe Bay	Victoria	iP 20 38 59.5 c	U.S.C.G.S.
49N, 156E	Kirkland Lake	iP 20 38 57 c	iP 20 38 59.5 c	i 20 39 07	Western Indian Ocean
Northern Kurile	eP 13 23 19	i 20 39 04	iS 20 49 39	iS 20 49 39	H = 23 31 25
Islands	eL 13 34.0	i 20 39 14	L 21 03.3	L 21 03.3	Kirkland Lake
H = 04 57 46	Ottawa	eS 20 49 38			eP' 23 51 05
Ottawa	eP 13 23 51	Kirkland Lake			
eP 05 09 35	L 13 36 16	eP 20 40 25			
	Resolute	e 20 43 08			
	eP 13 22 58	ePP 20 44 51			
	eSS 13 32 17	ePKKP 20 56 20			
	eL 13 33 04	e(S) 20 52 15			



## DOMINION OBSERVATORIES

## MARCH 1

U.S.C.G.S.  
Near coast of Oaxaca,  
Mexico

H = 02 15 12

Kirkland Lake

eP 02 28 08

Ottawa

iP 02 22 01

Resolute

eP 02 25 10

Schefferville

eP 02 23 29

Shawinigan Falls

iP 02 22 11 c

## MARCH 1

Resolute

eP 07 23 26

## MARCH 1

Ottawa

P<sub>n</sub> 19 04 04

S<sub>n</sub> 19 04 21

L 19 04 30

d = 150 km

## MARCH 1

Victoria

iP 23 31 52.3

## MARCH 2

U.S.C.G.S.

18 1/2N, 78W

Jamaica

H = 00 27 33

Halifax

eP 00 33 44

Horseshoe Bay

iP 00 36 08

eS 00 43 13

Kirkland Lake

e(P) 00 33 42

iP 00 33 47

eS 00 38 38

eL 00 43 08

Ottawa

eP 00 33 22

S 00 38 03

L 00 41 20

Resolute

e(P) 00 37 19 d

iP 00 37 19.5 c

e 00 41 46

eS 00 45 22

eS<sub>c</sub>S 00 47 12

eSS 00 49 52

e 00 54 00

e(PKKP) 00 56 48

eL 01 03 51

Saskatoon

eP 00 35 16

iS 00 41 27

iSS 00 44 46

eL 00 49.2

Schefferville

eP 00 34 48

Seven Falls

eP 00 33 49 ?

Shawinigan Falls

iP 00 33 31 c

S 00 39 36

Victoria

iP 00 36 08

e(S) 00 43 08

eL 00 50.6

## MARCH 2

Schefferville

eP 06 59 04 d

## MARCH 2

U.S.C.G.S.

Southern Iran

H = 07 12 10

Resolute

eP 07 24 02

## MARCH 2

U.S.C.G.S.

6S, 151E

Near south coast of

New Britain

H = 08 10 24

Horseshoe Bay

eP 08 23 36

eS 08 45 23

Ottawa

eP' 08 29 26 d

Resolute

iP 08 24 21 d

Schefferville

eP' 08 29 27

Shawinigan Falls

eP' 08 29 26

Victoria

eP 08 23 34

iS 08 34 35

## MARCH 2

Alberni

iP 09 33 23.4

iS 09 33 39.6

Victoria

iP 09 33 06.3

i 09 33 08.9

i 09 33 10.9

## MARCH 2

Shawinigan Falls

eP 21 45 17

## MARCH 2

U.S.C.G.S.

8 1/2N, 103W

Off coast of Mexico

H = 03 18 23

Horseshoe Bay

eP 03 26 41

Kirkland Lake

eP 03 26 36 c

eS 03 33 14

Ottawa

iP 03 26 35 c

S 03 33 12

Resolute

iP 03 29 17 c?

eL 03 46 04

Saskatoon

L 03 40.0

Schefferville

eP 03 27 56

ePP 03 29 30

Seven Falls

S 03 33 57

L 03 37 45

Victoria

eP 03 26 33

## MARCH 3

Ottawa

iP<sub>n</sub> 19 54 29

i 19 54 31

S<sub>n</sub> 19 54 46

L 19 54 54

d = 150 km

## MARCH 3

U.S.C.G.S.

9 1/2S, 154E

Off east coast of New

Guinea

H = 20 49 30

h = 100 km

Ottawa

iP' 21 08 25 d

Shawinigan Falls

eP' 21 08 27

## MARCH 4

Horseshoe Bay

eP 03 41 54

## MARCH 4

U.S.C.G.S.

South-central Alaska

H = 05 47 30

Resolute

eP 05 52 20

eL 05 59 01

## MARCH 4

Resolute

e 10 27 49

## MARCH 4

Horseshoe Bay

iP 18 50 11.6

iS 18 50 34.6

## MARCH 5

U.S.C.G.S.

33N, 34 1/2W

North Atlantic Ocean

H = 12 24 35

Mag. = 6 1/2 - 6 3/4

(Pas.)

Banff

iP 12 34 20 d

Halifax

iP 12 29 31 c

e 12 33 35

eL 12 35 49

Kirkland Lake

eP 12 31 19 d?

eS 12 36 46

Ottawa

eP 12 30 50

PPP 12 32 06

S 12 35 50

L 12 38 15

Resolute

eP 12 33 27 d

iP 12 33 27.5 c

e 12 34 00

iS 12 40 42

eL 12 52 42

Saskatoon

eS 12 41 05

eL 12 49.5

Schefferville

eP 12 30 37

eP<sub>c</sub>P 12 33 43

Seven Falls

eP 12 30 23 ?

S 12 35 14 ?

e 12 36 00 ?

SS 12 36 48 ?

L 12 37 55 ?

Shawinigan Falls

eP 12 30 36

PPP 12 31 49

Victoria

eL 12 54.7

## MARCH 6

U.S.C.G.S.

Off coast of Chiapas,

Mexico

H = 03 39 45

Ottawa

eP 03 46 48 d

## MARCH 6

U.S.C.G.S.

49N, 155E

Kurile Islands

H = 11 26 44

Banff

iP 11 36 11.8 c

i 11 37 16.5 d

Ottawa

iP 11 38 34 c

Resolute

iP 11 35 29 c

Schefferville

iP 11 38 05

i 11 38 19

Shawinigan Falls

iP 11 38 35 c

## MARCH 6

Resolute

eP 16 40 30

## MARCH 6

Banff

iP 22 40 35.5

iS 22 40 39.5

Local shock

## MARCH 7

Alberni

iP 08 03 03.5

iS 08 03 27.9

Local shock



## DOMINION OBSERVATORIES

MARCH 7  
U.S.C.G.S.  
19S, 178 1/2W  
Fiji Islands  
H = 10 47 25  
h = about 550 km  
Ottawa  
iP' 11 05 00

MARCH 7  
U.S.C.G.S.  
Arctic Ocean north of  
Spitsbergen  
H = 21 55 42  
Ottawa  
eP 22 03 32  
Resolute  
iP 21 59 42 c

MARCH 7  
Alberni  
iP 23 31 15.1  
Horseshoe Bay  
iP 23 31 14.0  
iS 23 31 22.1  
Victoria  
iP 23 31 20.3  
iS 23 31 33.6  
Local shock

MARCH 8  
Ottawa  
iP 10 59 04 d  
Shawinigan Falls  
iP 10 59 23 d

MARCH 8  
U.S.C.G.S.  
39 1/2N, 23E  
Eastern Greece  
foreshock  
H = 12 14 12  
Banff  
eP 12 26 41  
Halifax  
eP 12 24 33

Horseshoe Bay  
eP 12 27 03  
Kirkland Lake  
eP 12 25 24  
Ottawa  
eP 12 25 19  
S 12 34 22  
SS 12 38 48  
G 12 44 48  
Resolute  
eP 12 24 14  
i(P) 12 24 17 d?  
eL 12 32 35  
Saskatoon  
e 12 33 17  
Schefferville  
eP 12 24 12  
i 12 25 36  
Seven Falls  
eP 12 24 56 ?  
S 12 33 38 ?  
SS 12 38 10 ?  
L 12 40 35 ?  
Shawinigan Falls  
eP 12 25 03  
Victoria  
eP 12 27 06

MARCH 8  
U.S.C.G.S.  
39 1/2N, 23E  
Eastern Greece  
Mag. = 6 1/4 (Pas.)  
Banff  
iP 12 33 40.8 d  
Halifax  
iP 12 31 30  
eS 12 37 21  
Horseshoe Bay  
eP 12 33 59  
eS 12 44 55  
Kirkland Lake  
eP 12 32 22 d  
eS 12 41 25  
Ottawa  
iP 12 32 18  
S 12 41 22  
PS 12 42 05

Resolute  
iP 12 31 15  
eS 12 39 24  
eL 12 49 06  
Saskatoon  
e 12 36 27  
e 12 43 13  
Schefferville  
iP 12 31 17 d  
Seven Falls  
eP 12 31 52 ?  
PP 12 35 50  
Shawinigan Falls  
iP 12 32 01 d  
Victoria  
iP 12 34 02.8 d  
iS 12 44 46  
eL 12 55.3

MARCH 8  
U.S.C.G.S.  
23S, 179E  
South of Fiji Islands  
H = 16 35 11  
h = about 600 km  
Ottawa  
iP' 16 52 54 c  
Shawinigan Falls  
eP' 16 52 58 c

MARCH 8  
U.S.C.G.S.  
Eastern Greece  
aftershock  
H = 20 37 54  
Ottawa  
eP 20 49 01  
Resolute  
eP 20 47 59  
Schefferville  
eP 20 47 52  
Shawinigan Falls  
eP 20 48 46

## SEISMOLOGICAL BULLETIN - 1957

MARCH 8  
U.S.C.G.S.  
39 1/2N, 23E  
Eastern Greece  
aftershock  
H = 23 35 08  
Banff  
iP 23 47 37.3 d  
Halifax  
eP 23 45 27  
Kirkland Lake  
eP 23 46 20 d  
Ottawa  
iP 23 46 15 d  
Resolute  
iP 23 45 12 d  
eL 24 06 47  
Schefferville  
eP 23 45 05  
Seven Falls  
eP 23 45 49 ?  
Shawinigan Falls  
iP 23 45 59 d

MARCH 9  
Kirkland Lake  
e(P) 00 14 46  
Ottawa  
iP 00 14 30 d  
Schefferville  
eP 00 15 55.5 c  
i 00 15 56 d  
Shawinigan Falls  
iP 00 14 46 d

MARCH 9  
Resolute  
eP 03 05 55  
e 03 12 28

MARCH 9  
U.S.C.G.S.  
65N, 149W  
Central Alaska  
H = 14 06 52

Banff  
iP 14 11 51.7 d  
e 14 18 28  
Horseshoe Bay  
eP 14 11 33  
e 14 17 31  
Kirkland Lake  
eP 14 14 31  
Ottawa  
eP 14 14 57  
Resolute  
iP 14 11 31 c  
eS 14 15 07  
e 14 17 58  
e 14 29 28  
Saskatoon  
eL 14 19.5  
Schefferville  
eP 14 14 22 d  
Victoria  
eP 14 11 45  
(L) 14 18 03

MARCH 9  
Ottawa  
iP 14 28 38  
e 14 29 27  
Seven Falls  
eP 14 29 43 ?

MARCH 9  
U.S.C.G.S.  
51N, 175W  
Andreanof Islands,  
Aleutian Islands  
H = 14 22 27  
Mag. = 8 - 8 1/2 (Pas.)  
8 (Berk)

Alberni  
eP 14 29 02  
Banff  
eP 14 29 35.9 d?  
i 14 29 47  
Halifax  
eP 14 33 23  
iP 14 33 35

MARCH 9  
U.S.C.G.S.  
50 1/2N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 15 41 50

Hamilton  
eP 14 32 34  
PcP 14 33 23  
S 14 40 56  
Horseshoe Bay  
eP 14 29 03.0 d?  
i 14 29 06.8  
i 14 29 23  
Kirkland Lake  
eP 14 32 17 c  
Ottawa  
iP 14 32 41  
PcP 14 33 28  
PPP 14 36 48  
S 14 41 18  
PS 14 41 48  
Resolute  
eP 14 29 59  
Saskatoon  
eP 14 30 13  
iS 14 36 45  
i 14 38 09  
Schefferville  
eP 14 32 21 c  
Seven Falls  
eP 14 32 52 ?  
S 14 41 29 ?  
Victoria  
eP 14 29 05.4  
i 14 29 09.5  
i 14 29 20.9

MARCH 9  
Seven Falls  
P 14 43 14  
i 14 43 23

MARCH 9  
Schefferville  
iP 15 19 43 c

MARCH 9  
U.S.C.G.S.  
50 1/2N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 15 41 50



## DOMINION OBSERVATORIES

Alberni  
iP 15 48 34 d

Banff  
iP 15 49 06.1 d

Horseshoe Bay  
iP 15 48 34 d  
iP<sub>C</sub>P 15 51 17 d

Ottawa  
iP 15 52 14 d

Schefferville  
iP 15 51 54 d

Seven Falls  
eP 15 52 24

Victoria  
iP 15 48 36.0

MARCH 9  
Ottawa  
iP 16 00 46

MARCH 9  
Schefferville  
iP 16 15 48 d

MARCH 9  
Ottawa  
eP 16 26 38 c

Schefferville  
eP 16 26 17 c

Seven Falls  
eP 16 26 47

Shawinigan Falls  
iP 16 26 42 c

MARCH 9  
Victoria  
eP 16 28 47

MARCH 9  
Ottawa  
iP 16 29 12 d

MARCH 9  
Schefferville  
eP 16 31 18 c

i 16 32 46

MARCH 9  
Ottawa  
iP 16 35 30 c

MARCH 9  
U.S.C.G.S.  
51N, 176W  
Andreanof Islands,  
Aleutian Islands  
H = 16 32 30  
Banff  
iP 16 39 48.1

Horseshoe Bay  
eP 16 39 16

Ottawa  
iP 16 42 56 c

Resolute  
iP 16 40 06 d

Schefferville  
eP 16 42 34 d

Seven Falls  
eP 16 43 08 ?

Shawinigan Falls  
iP 16 43 00 c

Victoria  
eP 16 39 17

MARCH 9  
Horseshoe Bay  
iP 16 51 56 c

i 16 52 24

i 16 54 55

MARCH 9  
U.S.C.G.S.  
51 1/2N, 174W  
Andreanof Islands,  
Aleutian Islands  
H = 16 45 26  
Banff  
iP 16 52 29 d

Horseshoe Bay  
iP 17 16 36 d

Kirkland Lake  
eP 16 55 18

Ottawa  
iP 16 55 45 c

Resolute  
iP 16 53 01 c?

Schefferville  
iP 16 55 16 d

Seven Falls  
eP 16 55 56 ?

MARCH 9  
Ottawa  
iP 17 00 55 c

MARCH 9  
U.S.C.G.S.  
51 1/2N, 172 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 17 10 13  
Banff  
iP 17 17 09 d

eP<sub>C</sub>P 17 19 53

Halifax  
eP 17 21 04 d

Horseshoe Bay  
eP 17 16 38

Kirkland Lake  
eP 17 19 54

Ottawa  
eP 17 20 17 d

Resolute  
iP 17 17 31 d

iP<sub>C</sub>P 17 19 49

Schefferville  
iP 17 20 01 d

Seven Falls  
eP 17 20 32

Shawinigan Falls  
iP 17 20 26 c

Victoria  
eP 17 16 38

## SEISMOLOGICAL BULLETIN - 1957

MARCH 9  
Resolute  
eP 17 48 35 d?

MARCH 9  
Kirkland Lake  
eP 17 53 04

Ottawa  
iP 17 53 30 c

Shawinigan Falls  
eP 17 53 35 d

MARCH 9  
Resolute  
eP 17 56 45

MARCH 9  
Kirkland Lake  
eP 18 01 58

Ottawa  
iP 18 02 25 d

Shawinigan Falls  
eP 18 02 27

MARCH 9  
Resolute  
iP 18 04 12 d

Victoria  
eP 18 03 05

MARCH 9  
Kirkland Lake  
eP 18 06 28

Ottawa  
eP 18 04 26 c

i 18 06 57

Schefferville  
iP 18 06 39 d

Shawinigan Falls  
eP 18 04 29 c

i 18 07 02

MARCH 9  
Horseshoe Bay  
iP 18 11 20 d

Victoria  
iP 18 11 23 c

MARCH 9  
Ottawa  
iP 18 14 56 c

i 18 15 23

MARCH 9  
Ottawa  
iP 18 16 03 d

MARCH 9  
Ottawa  
eP 18 22 56 c

MARCH 9  
Banff  
iP 18 28 38.1 c

Kirkland Lake  
eP 18 31 22

Ottawa  
eP 18 31 49 c

Schefferville  
iP 18 31 27 d

Shawinigan Falls  
eP 18 31 54 d

MARCH 9  
Banff  
eP 18 37 52.3

MARCH 9  
Schefferville  
eP 18 42 05

MARCH 9  
Kirkland Lake  
eP 18 51 00

MARCH 9  
Ottawa  
eP 18 56 25 c

Shawinigan Falls  
eP 18 56 28 c

MARCH 9  
Schefferville  
iP 19 02 19

MARCH 9  
Banff  
eP 19 02 40.0

eP<sub>C</sub>P 19 05 40.8

MARCH 9  
Hamilton  
eP 19 08 41

Kirkland Lake  
eP 19 08 23

Ottawa  
iP 19 08 50 c

Schefferville  
eP 19 08 28

MARCH 9  
Horseshoe Bay  
iP 19 19 53 d

Kirkland Lake  
eP 19 22 58

Ottawa  
eP 19 23 22 c

Schefferville  
eP 19 23 03 d

Shawinigan Falls  
eP 19 23 29 d

Victoria  
iP 19 19 56 c?

MARCH 9  
Resolute  
eP 19 41 55

i 19 47 20

e 19 49 28



## DOMINION OBSERVATORIES

MARCH 9  
Ottawa  
eP 19 44 42 d  
Schefferville  
eP 19 44 22  
Shawinigan Falls  
eP 19 45 01

MARCH 9  
U.S.C.G.S.  
51 1/2N, 173W  
Andreanof Islands,  
Aleutian Islands  
H = 19 37 31  
Banff  
eP 19 44 31  
Horseshoe Bay  
eP 19 43 58  
Kirkland Lake  
eP 19 47 15  
Ottawa  
eP 19 47 41  
Schefferville  
eP 19 47 19 d  
Seven Falls  
eP 19 47 54 ?  
Shawinigan Falls  
eP 19 47 47  
Victoria  
eP 19 43 59

MARCH 9  
Ottawa  
iP 19 55 03 d

MARCH 9  
U.S.C.G.S.  
51 1/2N, 170 1/2W  
Fox Islands, Aleutian  
Islands  
H = 20 00 56  
Banff  
iP 20 07 43.7 d  
Kirkland Lake  
eP 20 10 32  
Ottawa  
iP 20 10 59 d

Resolute  
iP 20 08 16 c  
iP<sub>C</sub>P 20 10 31  
iS 20 14 21  
Schefferville  
iP 20 10 41  
Shawinigan Falls  
iP 20 11 04 c

MARCH 9  
Banff  
iP 20 13 48.6 d  
Kirkland Lake  
eP 20 16 37  
Ottawa  
eP 20 16 17

MARCH 9  
Ottawa  
iP 20 17 04  
Schefferville  
eP 20 16 44.5 d  
e 20 16 45 c  
Shawinigan Falls  
eP 20 17 09 d

MARCH 9  
U.S.C.G.S.  
52N, 169 1/2W  
Fox Islands, Aleutian  
Islands  
H = 20 22 02  
Banff  
iP 20 28 40.5 c

Horseshoe Bay  
iP 20 28 08 c  
Kirkland Lake  
eP 20 31 31  
Ottawa  
iP 20 31 59 c  
PP 20 34 05  
Resolute  
iP 20 29 16 c  
iP<sub>C</sub>P 20 31 34  
eL 20 45 30  
Schefferville  
eP 20 31 45 d

Shawinigan Falls  
iP 20 32 02 c  
Victoria  
eP 20 28 10

MARCH 9  
Schefferville  
iP 20 36 15 d

MARCH 9  
Resolute  
e(P) 20 38 53

MARCH 9  
Banff  
eP 20 40 35 d  
Horseshoe Bay  
iP 20 40 04 c  
eP<sub>C</sub>P 20 42 35  
Victoria  
iP 20 40 05.5 c

MARCH 9  
Schefferville  
iP 20 41 34  
e 20 43 14

MARCH 9  
Ottawa  
eP 20 48 52  
Schefferville  
iP 20 48 50  
Shawinigan Falls  
eP 20 48 57

MARCH 9  
U.S.C.G.S.  
52 1/2N, 169 1/2W  
Fox Islands, Aleutian  
Islands  
H = 20 39 15  
Mag. = 6 3/4 - 7 (Pas.)  
7 - 7 1/4 (Berl)

## SEISMOLOGICAL BULLETIN - 1957

Banff  
eP 20 45 53  
e 20 48 39  
Halifax  
iP 20 49 55  
eL 21 16.1

Hamilton  
iP 20 49 07 c  
PP 20 51 15  
S 20 56 56  
S<sub>C</sub>S 20 58 46  
SS 21 00 59  
G 21 03 07

Horseshoe Bay  
eP 20 45 20  
eP<sub>C</sub>P 20 48 28  
e 20 52 08  
eS 20 50 11

Kirkland Lake  
eP 20 48 41  
Ottawa  
iP 20 49 10 c  
P<sub>C</sub>P 20 50 08  
PP 20 51 20  
S 20 57 08  
S<sub>C</sub>S 20 59 00  
SS 21 01 02

Resolute  
iP 20 46 24  
iPP 20 47 36  
eL 20 59 08

Saskatoon  
eP 20 46 34  
eS 20 52 22  
eL 20 57.0

Seven Falls  
eP 20 49 21 ?  
P<sub>C</sub>P 20 50 10 ?  
PP 20 51 28 ?  
PPP 20 53 00 ?  
e 20 55 09 ?  
S 20 57 22 ?  
S<sub>C</sub>S 20 58 59 ?  
e 21 00 07 ?  
e 21 02 32 ?  
L 21 03 43 ?

Shawinigan Falls  
eP 20 49 14 c  
S 20 57 15

Victoria  
eP 20 45 28.5  
P<sub>C</sub>P 20 48 26.5  
S 20 50 15

MARCH 9  
Banff  
iP 21 27 00.2 d  
Ottawa  
iP 21 30 18  
Resolute  
iP 21 29 33 c  
Schefferville  
iP 21 29 57 d

MARCH 9  
Shawinigan Falls  
eP 21 42 09

MARCH 9  
Banff  
eP 21 41 13  
Ottawa  
iP 21 44 30 d  
Schefferville  
eP 21 44 09 c  
Shawinigan Falls  
iP 21 44 36 d

MARCH 9  
Ottawa  
iP 21 47 28 d  
Shawinigan Falls  
eP 21 47 32 c

MARCH 9  
Ottawa  
iP 21 52 00  
Shawinigan Falls  
eP 21 52 04 d

MARCH 9  
U.S.C.G.S.  
53N, 168W  
Fox Islands, Aleutian  
Islands  
H = 21 56 24

Kirkland Lake  
eP 22 05 43  
Ottawa  
iP 22 06 11 c  
Resolute  
eP 22 03 24 c  
i 22 03 25 d  
Schefferville  
eP 22 05 52.5 c  
iP 22 05 53 d  
Shawinigan Falls  
eP 22 06 15 c

MARCH 9  
Ottawa  
eP 22 14 23 d

MARCH 9  
U.S.C.G.S.  
Southern Bolivia  
H = 22 19 15  
Banff  
iP 22 31 47.5 d  
Kirkland Lake  
eP 22 30 21 d

Ottawa  
eP 22 30 00  
Shawinigan Falls  
eP 22 30 05 d

MARCH 9  
Schefferville  
eP 22 45 49

MARCH 9  
Ottawa  
iP 22 52 52 d



DOMINION OBSERVATORIES

MARCH 9 U.S.C.G.S. 51 1/2N, 171W Fox Islands, Aleutian Islands H = 22 59 26 Kirkland Lake eP 23 09 07 Ottawa eP 23 09 43 c Resolute iP 23 06 45 d ScS 23 16 32 Schefferville eP 23 09 13 d	Resolute i 23 28 52 Schefferville iP 23 30 40 c Shawinigan Falls eP 23 31 05	Shawinigan Falls eP 00 50 59
MARCH 9 Ottawa eP 23 33 53 d Shawinigan Falls eP 23 33 58	MARCH 9 Ottawa eP 23 33 53 d Shawinigan Falls eP 23 33 58	MARCH 10 Resolute eP 00 57 13
MARCH 9 Ottawa eP 23 48 03 d Shawinigan Falls eP 23 48 07 c	MARCH 9 Ottawa eP 23 48 03 d Shawinigan Falls eP 23 48 07 c	MARCH 10 Shawinigan Falls eP 01 10 26
MARCH 10 Resolute e(P) 00 13 38 Schefferville eP 00 16 06	MARCH 10 Resolute e(P) 00 13 38 Schefferville eP 00 16 06	MARCH 10 Banff iP 01 23 37.5 d Kirkland Lake eP 01 26 26 iP 01 26 53 d
MARCH 10 Kirkland Lake eP 00 21 10 Ottawa eP 00 21 37 Schefferville iP 00 21 10 c Shawinigan Falls eP 00 21 42 d	MARCH 10 Kirkland Lake eP 00 21 10 Ottawa eP 00 21 37 Schefferville iP 00 21 10 c Shawinigan Falls eP 00 21 42 d	MARCH 10 Resolute eP 01 24 04 Schefferville eP 01 26 33 Shawinigan Falls eP 01 26 57
MARCH 9 Ottawa iP 23 29 30 d Shawinigan Falls eP 23 29 34 c	MARCH 9 Ottawa iP 23 29 30 d Shawinigan Falls eP 23 29 34 c	MARCH 10 Kirkland Lake eP 01 31 32 Ottawa iP 01 32 00 c Schefferville eP 01 31 38 d Shawinigan Falls eP 01 32 03 c
MARCH 10 Resolute iP 00 40 09	MARCH 10 Resolute iP 00 40 09	MARCH 10 Kirkland Lake eP 01 31 32 Ottawa iP 01 32 00 c Schefferville eP 01 31 38 d Shawinigan Falls eP 01 32 03 c
MARCH 9 Banff eP 23 27 49 Kirkland Lake eP 23 30 34 Ottawa iP 23 31 02 c	MARCH 9 Banff eP 23 27 49 Kirkland Lake eP 23 30 34 Ottawa iP 23 31 02 c	MARCH 10 Ottawa iP 02 43 44 c
MARCH 10 Ottawa iP 00 50 42 d Schefferville eP 00 50 51 c	MARCH 10 Ottawa iP 00 50 42 d Schefferville eP 00 50 51 c	MARCH 10 Ottawa iP 02 48 57 d Shawinigan Falls iP 02 49 01 d

SEISMOLOGICAL BULLETIN - 1957

MARCH 10 Ottawa iP 01 38 21 d	MARCH 10 Resolute iP 03 04 52 c	s 03 24 51 ? ScS 03 26 24 ? e 03 27 39 ? L 03 31 56 ? Shawinigan Falls eP 03 16 25 PcP 03 17 21 PP 03 19 11 S 03 24 56 Victoria eP 03 12 45 ePcP 03 15 33 S 03 17 54 L 03 20 04
MARCH 10 Banff iP 01 50 43.5 PcP 01 53 03.5 Horseshoe Bay iP 01 50 12 c e 01 52 53 Kirkland Lake eP 01 54 16 Ottawa iP 01 53 50 c Resolute eP 01 50 56 d Shawinigan Falls iP 01 53 54 c Victoria iP 01 50 14.8 c iPcP 01 52 53.8	MARCH 10 U.S.C.G.S. 52N, 176W Andreanof Islands, Aleutian Islands H = 03 06 02 Mag. = 6 1/2 - 6 3/4 (Pas) (Berk) Banff eP 03 13 10.2 i 03 13 15.0 d ePcP 03 16 04 Halifax eP 03 17 07 Hamilton e(P) 03 16 21 S 03 24 31 ScS 03 25 56 SS 03 29 09 L 03 33 47 Horseshoe Bay eP 03 12 43 ePcP 03 15 29 iS 03 17 53 Kirkland Lake eP 03 15 55 d Ottawa eP 03 16 21 c S 03 24 36 Resolute iP 03 13 30 d PP 03 14 56 i 03 15 10 e 03 18 05 eS 03 19 16 eSS 03 22 19 eL 03 29 19 Saskatoon eP 03 13 56 eS 03 20 00 Seven Falls eP 03 16 32 ?	MARCH 10 U.S.C.G.S. 51 1/2N, 174W Andreanof Islands, Aleutian Islands H = 03 08 55 Ottawa eP 03 19 12 d Shawinigan Falls eP 03 19 18 MARCH 10 Ottawa iP 03 25 47 d MARCH 10 Ottawa iP 03 26 12 c MARCH 10 Ottawa iP 03 36 29 c MARCH 10 Resolute eP 03 41 05 Shawinigan Falls iP 03 43 09











## DOMINION OBSERVATORIES

MARCH 10  
Resolute  
eP 22 06 50

MARCH 10  
Resolute  
eP 23 22 33

MARCH 10  
Banff  
eP 23 24 00  
Ottawa  
eP 23 27 19 c  
Shawinigan Falls  
eP 23 27 23

MARCH 10  
Banff  
iP 23 44 00 d  
Kirkland Lake  
eP 23 46 42  
Ottawa  
iP 23 47 08 c  
Resolute  
eP 23 44 18  
Shawinigan Falls  
eP 23 47 12

MARCH 10  
Ottawa  
iP 23 47 22 c  
Shawinigan Falls  
iP 23 47 26 c

MARCH 10  
U.S.C.G.S.  
53N, 169W  
Fox Islands  
H = 23 56 50  
Kirkland Lake  
eP 24 06 10  
Ottawa  
iP 24 06 37 c

Resolute  
eP 24 03 50 c  
i 24 03 51 d  
Shawinigan Falls  
iP 24 06 42 d

MARCH 11  
U.S.C.G.S.  
52N, 174W  
Fox Islands, Aleutian  
Islands,  
H = 00 08 07  
Banff  
eP 00 14 43  
Horseshoe Bay  
eP 00 14 10  
Kirkland Lake  
eP 00 17 34 c  
Ottawa  
eP 00 18 02 c  
i 00 18 13  
Resolute  
iP 00 15 17 d  
e 00 19 22  
eL 00 31 48  
Shawinigan Falls  
eP 00 18 06

MARCH 11  
Resolute  
eP 01 14 29

MARCH 11  
Banff  
iP 01 35 21.5 c  
Ottawa  
iP 01 38 33 d

MARCH 11  
U.S.C.G.S.  
Fox Islands, Aleutian  
Islands  
H = 01 50 53  
Banff  
iP 03 19 59.2 d

Horseshoe Bay  
iP 03 19 28 d  
eS 03 24 58  
Kirkland Lake  
eP 03 22 45 d

Kirkland Lake  
eP 03 24 58

Ottawa  
iP 02 01 09 d

Resolute  
eP 01 58 23

Saskatoon  
eP 03 20 41  
eS 03 26 51  
Shawinigan Falls  
eP 02 01 13

MARCH 11  
Kirkland Lake  
eP 02 54 22  
Shawinigan Falls  
eP 02 54 53

MARCH 11  
U.S.C.G.S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 03 12 41  
Mag. = 6 3/4 - 7  
(Pas.) (Berk)

Banff  
iP 03 19 59.2

Halifax  
eP 03 23 53

Hamilton  
eP 03 23 03  
PcP 03 23 57  
S 03 31 37  
PS 03 32 14  
PPS 03 32 33  
L 03 43 03  
Horseshoe Bay  
iP 03 19 28 d  
eS 03 24 58  
Kirkland Lake  
eP 03 22 45 d

## SEISMOLOGICAL BULLETIN - 1957

Ottawa  
iP 03 23 07 d  
S 03 31 36

Resolute  
iP 03 20 16 d  
iPP 03 21 51  
e 03 24 17  
e 03 24 37  
e 03 25 54  
eL 03 29 30

Saskatoon  
eP 03 20 41  
eS 03 26 51

Seven Falls  
eP 03 23 21 ?  
S 03 31 45 ?  
e 03 34 59 ?  
L 03 38 33 ?

Shawinigan Falls  
eP 03 23 11

Victoria  
iP 03 19 30.5 d  
iS 03 25 02  
eL 03 26.5

MARCH 11  
Banff  
iP 03 29 13 d  
Horseshoe Bay  
eP 03 28 43  
Victoria  
eP 03 28 45

MARCH 11  
U.S.C.G.S.  
51 1/2N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 03 35 00  
Banff  
eP 03 42 18  
Kirkland Lake  
eP 03 45 00 c  
Ottawa  
iP 03 45 27 c  
Seven Falls  
eP 03 45 35 ?

Shawinigan Falls  
eP 03 45 29

MARCH 11  
U.S.C.G.S.  
50 1/2N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 03 55 27  
Banff  
iP 04 02 41.8  
Ottawa  
iP 04 05 50 c  
i 04 06 01  
Shawinigan Falls  
eP 04 05 54  
e 04 06 06

MARCH 11  
U.S.C.G.S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 04 05 09  
Banff  
eP 04 12 29 d ?  
Horseshoe Bay  
iP 04 11 58 d  
Kirkland Lake  
iP 04 15 10 c  
Ottawa  
iP 04 15 37 c  
Resolute  
iP 04 12 44 c  
Shawinigan Falls  
iP 04 15 40 c

MARCH 11  
Victoria  
iP 04 27 01 c

MARCH 11  
Schefferville  
iP 05 00 26.5  
i 05 00 38.5

MARCH 11  
Resolute  
eP 05 35 04 c  
Schefferville  
iP 05 37 36 d

MARCH 11  
U.S.C.G.S.  
51 1/2N, 168W  
Fox Islands, Aleutian  
Islands  
H = 06 42 49  
Ottawa  
iP 06 52 39 c  
i 06 52 49  
Resolute  
iP 06 49 56 c  
Schefferville  
eP 06 52 15 c  
Shawinigan Falls  
eP 06 52 42

MARCH 11  
U.S.C.G.S.  
51 1/2N, 170 1/2W  
Fox Islands, Aleutian  
Islands  
H = 06 51 56  
Banff  
iP 06 58 36.9 d  
Kirkland Lake  
eP 07 01 26  
Ottawa  
iP 07 01 54 d  
Resolute  
iP 06 59 11 c  
Schefferville  
iP 07 01 39 d  
Shawinigan Falls  
iP 07 02 05 c

MARCH 11  
U.S.C.G.S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 07 08 00



DOMINION OBSERVATORIES

Banff iP 07 15 17 c Horseshoe Bay iP 07 14 47 d Kirkland Lake eP 07 17 58 d Ottawa iP 07 18 25 c Resolute iP 07 15 32 d i 07 17 40 d Schefferville iP 08 18 06 d Shawinigan Falls eP 07 18 28 d	MARCH 11 Ottawa eP 08 37 52 c Shawinigan Falls eP 08 37 56	MARCH 11 Shawinigan Falls iP 10 07 07
MARCH 11 Schefferville eP 07 20 45 d	MARCH 11 U.S.C.G.S. 53N, 168W Fox Islands, Aleutian Islands H = 08 37 15 Kirkland Lake e(P) 08 46 40 Ottawa eP 08 47 01 c Resolute iP 08 44 16 c eL 08 54 32 Schefferville eP 08 46 47 i 08 46 56.5 Shawinigan Falls eP 08 47 06	MARCH 11 U.S.C.G.S. 53N, 164 1/2W Fox Islands, Aleutian Islands H = 09 58 42 Mag. = 6 3/4 - 7 Banff eP 10 05 17 eP <sub>c</sub> P 10 08 04 Halifax eP 10 09 22 Hamilton e(P) 10 08 40 P <sub>c</sub> P 10 09 10 S 10 16 26 S <sub>c</sub> S 10 18 20 SSS 10 23 00 L 10 25 00 Horseshoe Bay eP 10 04 47 eP <sub>c</sub> P 10 07 57 eS 10 09 38 Kirkland Lake eP 10 08 08 c eS 10 15 42 Ottawa iP 10 08 35 c PP 10 10 48 S 10 16 28 S <sub>c</sub> S 10 18 22 L 10 20 25 Resolute e(P) 10 04 15 iP 10 05 47 c ePP 10 07 19 iS 10 11 24 i 10 11 56 eL 10 13 44 Saskatoon eP 10 05 59 eS 10 11 36 Schefferville eP 10 08 19.5 i 10 08 20.5 ePP 10 10 41
MARCH 11 Banff iP 07 27 57.5 c i 07 28 18 d? Schefferville eP 07 31 09 c	MARCH 11 U.S.C.G.S. 50 1/2N, 178W Andreanof Islands, Aleutian Islands H = 08 42 48 Banff iP 08 50 13 d Kirkland Lake eP 08 52 55 Ottawa eP 08 53 20 Schefferville iP 08 53 01.5 c i 08 53 08 c Shawinigan Falls eP 08 53 26	
MARCH 11 Ottawa iP 08 08 53 d Schefferville ep 08 08 34.5 c	MARCH 11 Schefferville eP 08 57 03 c i 08 57 15 d	

SEISMOLOGICAL BULLETIN - 1957

Seven Falls iP 10 08 45 ? PP 10 10 59 ? PPP 10 12 09 ? S 10 16 47 ? S <sub>c</sub> S 10 18 51 ? e 10 19 53 ? L 10 20 53 ? Shawinigan Falls iP 10 08 39 c P <sub>c</sub> P 10 09 32 PP 10 11 05 PPP 10 12 12 S 10 16 38 Victoria eP 10 04 49 c iS 10 09 35 eL 10 12.1	MARCH 11 Schefferville eP 13 52 39 c	Saskatoon eP 15 03 21 eS 15 09 47 Schefferville eP 15 05 28 d i 15 05 31 c Seven Falls P 15 05 56 ? P <sub>c</sub> P 15 06 45 ? PP 15 08 21 ? e 15 08 59 ? S 15 14 20 ? e 15 17 40 ? L 15 21 10 ? Shawinigan Falls iP 15 05 51 c Victoria eP 15 02 14 c iS 15 07 46 eL 15 10.1
MARCH 11 Schefferville eP 10 28 29 c	MARCH 11 Schefferville eP 14 23 11.5	MARCH 11 U.S.C.G.S. 51 1/2N, 178 1/2W Andreanof Islands, Aleutian Islands H = 14 55 19 Mag. = 6 3/4 Alberni eP 15 02 04 Banff eP 15 02 42 c? Halifax iP 15 06 28 c eL 15 37.8 Hamilton iP 15 05 54 d P <sub>c</sub> P 15 06 33 iS 15 14 18 PS 15 14 52 S <sub>c</sub> S 15 15 41 G 15 21 03 Horseshoe Bay iP 15 02 12 i 15 02 14 P <sub>c</sub> P 15 04 47 eS 15 06 13 Kirkland Lake eP 15 05 21 c? Ottawa iP 15 05 46 c S 15 14 14 S <sub>c</sub> S 15 15 34 Resolute eP 15 02 53 c iP 15 02 54 c iPP 15 04 30 iS 15 08 46 eL 15 12 09
MARCH 11 Schefferville iP 13 12 41.5 c	MARCH 11 Banff iP 15 22 43.7 Ottawa iP 15 25 57 d Shawinigan Falls eP 15 26 01	MARCH 11 U.S.C.G.S. 51N, 179W Andreanof Islands, Aleutian Islands H = 15 35 50 Mag. = 6 1/2 Alberni eP 15 42 42 Banff iP 15 43 20 d Halifax eP 15 47 04 Horseshoe Bay eP 15 42 50 Kirkland Lake eP 15 45 58 Ottawa eP 15 46 23 c PP 15 48 39



## DOMINION OBSERVATORIES

Resolute  
iP 15 43 29 c  
PPP 15 45 12  
iS 15 49 21

Schefferville  
eP 15 46 03 c  
i 15 46 04 d  
i 15 46 53

Seven Falls  
eP 15 46 30 ?  
Shawinigan Falls  
iP 15 46 26 c  
Victoria  
eP 15 42 52

MARCH 11  
Banff  
eP 15 49 19

MARCH 11  
Schefferville  
eP 16 26 13

MARCH 11  
Schefferville  
eP 18 38 31 d

MARCH 11  
Kirkland Lake  
eP 20 17 08  
Schefferville  
eP 20 17 39

MARCH 11  
Resolute  
eP 20 46 16  
Schefferville  
eP 20 48 39

MARCH 11  
Resolute  
eP 21 24 41  
Schefferville  
eP 21 27 19

Victoria  
eP 21 23 58

MARCH 11  
Schefferville  
iP 21 50 24 c

MARCH 11  
U.S.C.G.S.  
52N, 173W  
Andreanof Islands,  
Aleutian Islands  
H = 23 32 03  
Horseshoe Bay  
iP 23 39 15 c?  
Resolute  
eP 23 39 39  
e(L) 23 59 55  
Schefferville  
eP 23 42 05  
e 23 42 29  
Victoria  
eP 23 39 19

MARCH 11  
Schefferville  
eP 23 51 58 d

MARCH 12  
Schefferville  
eP 00 00 25 d

MARCH 12  
U.S.C.G.S.  
53N, 168W  
Fox Islands, Aleutian  
Islands  
H = 00 18 00  
Schefferville  
eP 00 27 35  
Shawinigan Falls  
eP 00 27 56 d

MARCH 12  
Horseshoe Bay  
eP 00 41 35  
Resolute  
eP 00 42 45  
Schefferville  
eP 00 45 14  
i 00 45 15 c  
Victoria  
eP 00 41 31

MARCH 12  
U.S.C.G.S.  
52N, 174 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 01 02 33  
Banff  
eP 01 09 39  
Horseshoe Bay  
eP 01 09 07  
Kirkland Lake  
eP 01 12 22 d  
Ottawa  
iP 01 12 48 d  
Resolute  
eP 01 09 58 d  
PPP 01 12 11  
Schefferville  
iP 01 12 30 d  
e 01 14 21.5  
i 01 14 22 c  
Shawinigan Falls  
iP 01 12 43 d  
Victoria  
eP 01 09 10

MARCH 12  
Ottawa  
eP 01 56 43 d  
Schefferville  
eP 01 56 24 c  
Shawinigan Falls  
iP 01 56 46 d

## SEISMOLOGICAL BULLETIN - 1957

MARCH 12  
U.S.C.G.S.  
53N, 170 1/2W  
Fox Islands, Aleutian  
Islands  
H = 02 22 57  
Kirkland Lake  
eP 02 32 20  
Ottawa  
eP 02 32 54 d  
Schefferville  
iP 02 32 36 d  
Shawinigan Falls  
iP 02 32 59 d

MARCH 12  
Resolute  
e(P) 03 02 05  
Schefferville  
eP 03 04 35

MARCH 12  
Kirkland Lake  
eP 03 58 19 c?  
Schefferville  
eP 03 58 15.5 c

MARCH 12  
Banff  
eP 04 50 15 d?

MARCH 12  
Resolute  
e(P) 04 56 15  
Schefferville  
iP 04 58 43 d  
i 04 58 43.5 c

MARCH 12  
U.S.C.G.S.  
52 1/2N, 169W  
Fox Islands, Aleutian  
Islands  
H = 05 12 08

Banff  
eP 05 18 40 d?  
Kirkland Lake  
eP 05 21 31  
Ottawa  
eP 05 21 57 c  
Resolute  
eP 05 19 12  
Schefferville  
eP 05 21 41 c  
Shawinigan Falls  
eP 05 22 02

MARCH 12  
U.S.C.G.S.  
Fox Islands, Aleutian  
Islands  
H = 06 02 47  
Resolute  
eP 06 09 34  
Schefferville  
iP 06 12 03

MARCH 12  
Schefferville  
iP 06 40 07 c

MARCH 12  
U.S.C.G.S.  
51 1/2N, 173 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 07 28 46  
Mag. = 6 1/4 - 6 1/2  
Banff  
iP 07 35 45 c

Halifax  
eP 07 39 40  
eL 07 09 09  
Hamilton  
eP 07 39 00  
S 07 47 04  
S<sub>C</sub>S 07 48 45  
L 07 56 00  
Horseshoe Bay  
eP 07 35 17  
eS 07 40 24

Kirkland Lake  
eP 07 38 30 c?  
Ottawa  
iP 07 38 57 c  
P<sub>C</sub>P 07 39 51  
PPP 07 42 16  
S 07 47 12  
ScS 07 48 50  
Resolute  
iP 07 36 08 c  
PP 07 37 58  
S 07 42 13  
Saskatoon  
eP 07 36 26  
eS 07 42 29

Seven Falls  
iP 07 39 07 ?  
S 07 47 23 ?  
S<sub>C</sub>S 07 48 57 ?  
L 07 54 53 ?  
Shawinigan Falls  
iP 07 39 01 c  
Victoria  
eP 07 35 17  
iS 07 40 29  
eL 07 42.8

MARCH 12  
Schefferville  
eP 07 43 38.5 d  
i 07 43 40

MARCH 12  
U.S.C.G.S.  
52N, 178W  
Andreanof Islands,  
Aleutian Islands  
H = 07 39 17  
Banff  
eP 07 46 40 c?  
Halifax  
eP 07 50 24  
Horseshoe Bay  
iP 07 46 09 c?  
Kirkland Lake  
eP 07 49 20 c  
Ottawa  
iP 07 49 44 d



DOMINION OBSERVATORIES

Resolute  
iP 07 46 34  
eL 07 51 27  
Schefferville  
eP 07 49 24 d  
i 07 49 30 c  
Seven Falls  
eP 07 49 53 ?  
Shawinigan Falls  
eP 07 49 48  
Victoria  
iP 07 46 12 c

MARCH 12  
U.S.C.G.S.  
51N, 178W  
Andreanof Islands,  
Aleutian Islands  
H = 08 03 11  
Banff  
eP 08 10 37  
Halifax  
eP 08 14 19  
Hamilton  
eP 08 13 34  
Horseshoe Bay  
eP 08 10 04  
Kirkland Lake  
eP 08 13 13 c?  
Ottawa  
iP 08 13 40 c  
Resolute  
iP 08 10 48  
PcP 08 12 35  
Schefferville  
eP 08 13 21  
Shawinigan Falls  
eP 08 13 44 d  
Victoria  
iP 08 10 08

MARCH 12  
Ottawa  
iP 08 18 28 c  
Schefferville  
iP 08 18 14 c  
Shawinigan Falls  
eP 08 18 33

MARCH 12  
Ottawa  
iP 08 27 57 d  
Shawinigan Falls  
eP 08 28 02

MARCH 12  
Ottawa  
eP 08 37 42  
Shawinigan Falls  
eP 08 37 46

MARCH 12  
Schefferville  
eP 08 50 22

MARCH 12  
Ottawa  
eP 08 56 55  
Shawinigan Falls  
eP 08 57 00 d

MARCH 12  
Schefferville  
eP 09 15 58

MARCH 12  
Ottawa  
iP 09 31 41 d  
Shawinigan Falls  
eP 09 31 46

MARCH 12  
Schefferville  
eP 09 45 33 c

MARCH 12  
U.S.C.G.S.  
51 1/2N, 174 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 10 38 30

Kirkland Lake  
eP 10 48 16  
Ottawa  
eP 10 48 43 c  
Schefferville  
eP 10 48 25  
Shawinigan Falls  
eP 10 48 48

MARCH 12  
U.S.C.G.S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 11 44 50  
Mag. = 7 - 7 1/4  
Albarni  
iP 11 51 30

Banff  
iP 11 52 08 d  
Halifax  
eP 11 55 55  
e 11 56 03

Hamilton  
eP 11 55 27  
PcP 11 56 15  
PPP 11 59 45  
S 12 03 41  
ScS 12 05 15

Horseshoe Bay  
eP 11 51 37  
e 11 57 14

Kirkland Lake  
e(P) 11 54 50  
i 11 54 58 c

Ottawa  
iP 11 55 15 d  
PcP 11 56 06  
S 12 03 52  
ScS 12 05 16

Resolute  
eP 11 52 22  
i 11 52 31 c  
PP 11 53 52  
S 11 58 22  
L 12 01 38  
Saskatoon  
iP 11 52 57  
iS 11 59 06

Schefferville  
eP 11 54 58  
e 11 58 47  
Seven Falls  
eP 11 55 28 ?  
PPP 11 59 33 ?  
i 11 59 53 ?  
S 12 04 03 ?  
ScS 12 05 34 ?  
e 12 07 11 ?  
L 12 10 45 ?  
Shawinigan Falls  
eP 11 55 19  
S 12 03 56  
ScS 12 05 20  
Victoria  
iP 11 51 41 d  
iS 11 57 21

MARCH 12  
Ottawa  
eP 12 13 28 c  
Schefferville  
eP 12 13 12  
Shawinigan Falls  
eP 12 13 32 c

MARCH 12  
Kirkland Lake  
eP 12 24 13

MARCH 12  
Ottawa  
iP 12 37 19 d  
Shawinigan Falls  
eP 12 37 23 d

MARCH 12  
U.S.C.G.S.  
53N, 168 1/2W  
Fox Islands,  
Aleutian Islands  
H = 12 46 12  
Banff  
eP 12 52 42

Halifax  
iP 12 56 43 d  
Kirkland Lake  
eP 12 55 32 c?  
Ottawa  
iP 12 55 59 d  
Resolute  
iP 12 53 12  
Schefferville  
eP 12 55 43 c  
i 12 55 44 d  
Seven Falls  
eP 12 56 10  
Shawinigan Falls  
iP 12 56 04 d  
Victoria  
eP 12 52 12

MARCH 12  
Ottawa  
eP 14 42 46  
Resolute  
eP 14 39 46  
i 14 42 00  
Shawinigan Falls  
eP 14 42 43

MARCH 12  
Resolute  
e(P) 15 27 58

MARCH 12  
Schefferville  
eP 15 40 26 c

MARCH 12  
Schefferville  
eP 15 50 25  
Shawinigan Falls  
eP 15 50 54

MARCH 12  
Schefferville  
eP 15 54 15

Shawinigan Falls  
eP 15 54 38

MARCH 12  
Kirkland Lake  
eP 16 12 39  
Ottawa  
iP 16 13 06 d  
i 16 13 18  
Schefferville  
iP 16 12 48 c  
Shawinigan Falls  
eP 16 13 09 d  
i 16 13 21

MARCH 12  
U.S.C.G.S.  
14 1/2N, 168E  
New Hebrides Islands  
H = 12 46 12  
Ottawa  
iP' 16 50 56 c  
Shawinigan Falls  
eP' 16 50 59 c  
Banff  
iP 16 56 11 (d)

MARCH 12  
U.S.C.G.S.  
57 1/2N, 170W  
Andreanof Islands,  
Aleutian Islands  
H = 17 00 21  
Banff  
eP 17 07 29  
Kirkland Lake  
eP 17 10 11  
Ottawa  
eP 17 10 38 c  
i 17 10 52  
Resolute  
eP 17 07 47  
Schefferville  
eP 17 10 21 d  
i 17 10 33 c  
Shawinigan Falls  
eP 17 10 42 d







## DOMINION OBSERVATORIES

<b>MARCH 13</b> U.S.C.G.S. Near west coast of North Island, New Zealand H = 09 11 15 Kirkland Lake eP' 09 29 57 Ottawa eP' 09 30 00 PP 09 31 12 e 09 32 50 Resolute eP 11 45 23 iS 11 51 17 Shawinigan Falls eP' 09 30 04 e 09 32 57	<b>Victoria</b> iP 11 44 39.0 d?	<b>MARCH 13</b> Resolute eP 14 05 30
<b>MARCH 13</b> U.S.C.G.S. 52N, 173W Andreanof Islands, Aleutian Islands H = 11 57 58 Banff iP 12 04 53 c Kirkland Lake eP 12 07 45 Ottawa eP 12 08 06 d Schefferville eP 12 07 51 Shawinigan Falls eP 12 08 10 d	<b>MARCH 13</b> U.S.C.G.S. 52N, 173W Andreanof Islands, Aleutian Islands H = 11 57 58 Banff iP 12 04 53 c Kirkland Lake eP 12 07 45 Ottawa eP 12 08 06 d Schefferville eP 12 07 51 Shawinigan Falls eP 12 08 10 d	<b>MARCH 13</b> Schefferville eP 15 13 07 c?
<b>MARCH 13</b> Ottawa iP 10 34 27 c e 10 38 54 Shawinigan Falls eP 10 34 32 e 10 38 59	<b>MARCH 13</b> U.S.C.G.S. 51 1/2N, 177W Andreanof Islands, Aleutian Islands H = 12 42 35 Banff iP 12 49 50 c? Kirkland Lake eP 12 52 30 Ottawa eP 12 52 58 Resolute eP 12 50 07 Schefferville eP 12 52 40.5 Shawinigan Falls eP 12 53 01 c	<b>MARCH 13</b> U.S.C.G.S. 51 1/2N, 179W Andreanof Islands H = 15 42 05 Mag. = 6 - 3/4 Alberni iP 15 48 54 Banff iP 15 49 30 c Halifax iP 15 53 14 d eL 16 23.0 Hamilton eP 15 52 36 S 16 00 57 S <sub>C</sub> S 16 02 25 i 16 02 41 SS 16 06 01 Horseshoe Bay iP 15 48 57.8 c e 15 51 31 e 15 54 28 Kirkland Lake eP 15 52 08 d eS 16 00 09 Ottawa eP 15 52 34 d S 16 01 00 PS 16 01 32 S <sub>C</sub> S 16 02 25 e 16 02 40 Resolute iP 15 49 41 d iP <sub>C</sub> P 15 51 21 iS 15 55 31 eL 15 58 23 Saskatoon iP 15 51 48 iS 15 59 42
<b>MARCH 13</b> U.S.C.G.S. 51N, 177W Andreanof Islands, Aleutian Islands H = 11 37 49 Banff iP 11 45 08 d Horseshoe Bay iP 11 44 35 d Kirkland Lake eP 11 47 48 Ottawa eP 11 48 15 c Resolute eP 12 05 17 Schefferville eP 11 24 02 d? Shawinigan Falls eP 11 48 18 c	<b>MARCH 13</b> U.S.C.G.S. 51N, 177W Andreanof Islands, Aleutian Islands H = 11 37 49 Banff iP 11 45 08 d Horseshoe Bay iP 11 44 35 d Kirkland Lake eP 11 47 48 Ottawa eP 11 48 15 c Resolute eP 12 05 17 Schefferville eP 11 24 02 d? Shawinigan Falls eP 11 48 18 c	<b>MARCH 13</b> U.S.C.G.S. 51N, 175W Andreanof Islands, Aleutian Islands H = 17 43 40 Kirkland Lake eP 17 53 31 Ottawa eP 17 54 00 d Shawinigan Falls eP 17 54 03

## SEISMOLOGICAL BULLETIN - 1957

<b>Schefferville</b> eP 15 52 16 d i 15 52 16.5 c iP <sub>C</sub> P 15 52 56 ePP 15 54 19 e 15 56 59 Seven Falls eP 15 52 41 ? S 16 01 14 ? PS 16 02 50 ? S <sub>C</sub> S 16 02 28 ? SS 16 05 05 ? G 16 08 29 ? Shawinigan Falls iP 15 52 37 d e 15 53 44 PP 15 54 56 PPP 15 56 37 Victoria iP 15 49 02.9 c iP <sub>C</sub> P 15 51 34.1 c iS 15 54 34 L 15 56 58	<b>MARCH 13</b> Ottawa iP <sub>n</sub> 18 25 47 i 18 25 49 S <sub>n</sub> 18 26 05 L 18 26 52 d = 155 km	<b>Schefferville</b> eP 20 08 43 i 20 09 15.5 i 20 09 21.5 i 20 13 22.5 Seven Falls eP 20 09 06 ? S 20 16 56 ? PS 20 17 16 ? SS 20 21 27 ? Shawinigan Falls iP 20 09 01 c Victoria eP 20 65 05
<b>MARCH 13</b> U.S.C.G.S. 52 1/2N, 168W Fox Islands, Aleutian Islands H = 18 56 33 Schefferville eP 19 06 06 Shawinigan Falls eP 19 06 25	<b>MARCH 13</b> U.S.C.G.S. 52 1/2N, 168W Fox Islands, Aleutian Islands H = 18 56 33 Schefferville eP 19 06 06 Shawinigan Falls eP 19 06 25	<b>MARCH 13</b> Horseshoe Bay eP 21 04 49.3 iS 21 05 14.8 Victoria eP 21 04 41.9 eS 21 05 00.4 Local shock
<b>MARCH 13</b> Kirkland Lake eP 16 21 28 Ottawa eP 16 21 23 Shawinigan Falls eP 16 21 04	<b>MARCH 13</b> Ottawa iP 19 46 01 d Shawinigan Falls iP 19 46 04	<b>MARCH 13</b> Schefferville eP 22 17 46
<b>MARCH 13</b> U.S.C.G.S. 51N, 175W Andreanof Islands, Aleutian Islands H = 17 43 40 Kirkland Lake eP 17 53 31 Ottawa eP 17 54 00 d Shawinigan Falls eP 17 54 03	<b>MARCH 13</b> U.S.C.G.S. 54N, 166W Fox Islands, Aleutian Islands H = 19 59 23 Banff iP 20 05 36.6 c Halifax eP 20 09 41 c? Hamilton iP 20 08 55 Horseshoe Bay eP 20 05 02 Kirkland Lake eP 20 08 27 c Ottawa iP 20 08 57 c Resolute iP 20 06 13 c ePP 20 07 26 eL 20 14 06	<b>MARCH 13</b> Alberni eP 23 08 32.0 eS 23 08 48.8 Horseshoe Bay eP 23 08 26 Victoria eP 23 08 12.8 iS 23 08 17.9 Local shock
	<b>MARCH 13</b> Alberni iP 23 16 57.4 e 23 17 14.4 Horseshoe Bay iP 23 16 52.0 d eS 23 17 07	



## DOMINION OBSERVATORIES

Victoria iP 23 16 39.1 iS 23 16 43.3 Local shock	MARCH 14 Ottawa iP 02 19 34 d Shawinigan Falls eP 02 19 37	Kirkland Lake eP 10 43 59 Ottawa iP 10 44 27 d Shawinigan Falls eP 10 44 32 Alberni iP 11 16 23.4 iS 11 16 45.3 Horseshoe Bay iP 11 16 07.2 d iS 11 16 18.7 Victoria iP 11 16 06.5 iS 11 16 15.8 Local shock
MARCH 14 Kirkland Lake eP 00 24 12 Ottawa eP 00 24 42 Shawinigan Falls eP 00 24 46 d	MARCH 14 U.S.C.G.S. 53 1/2N, 163 1/2W Off south coast of Unimak Island H = 02 46 55 Halifax eP 02 57 10 Horseshoe Bay iP 02 52 23 Kirkland Lake eP 02 55 53 Ottawa eP 02 56 23 d Resolute eL 02 08 45 Schefferville iP 02 56 10.5 c Seven Falls eP 02 56 35 ? Shawinigan Falls eP 02 56 28	MARCH 14 U.S.C.G.S. 53N, 166 1/2W Fox Islands, Aleutian Islands H = 12 29 32 Ottawa eP 12 39 09 Shawinigan Falls eP 12 39 13 d
MARCH 14 Kirkland Lake eP 00 37 01	MARCH 14 U.S.C.G.S. 51N, 178W Andreanof Islands, Aleutian Islands H = 00 35 38 Kirkland Lake eP 00 45 33	MARCH 14 U.S.C.G.S. 51 1/2N, 177W Andreanof Islands, Aleutian Islands H = 14 47 45 Mag. = 7 - 1/2 Alberni eP 14 54 22 Banff iP 14 55 01 c Halifax e(P) 14 58 47.5 c iP 14 58 48 d Lg 15 24 52 Hamilton iP 14 58 06 c S 15 06 26 PS 15 06 49 PPS 15 07 19 S <sub>c</sub> S 15 07 56 G 15 14 45
MARCH 14 U.S.C.G.S. 52 1/2N, 169W Fox Islands, Aleutian Islands H = 01 52 16 Banff eP 01 58 51 Kirkland Lake eP 02 01 39 d Ottawa eP 02 02 08 Resolute eS <sub>c</sub> S 02 09 24 eL 02 15 25 Schefferville eP 02 01 53.5 i 02 02 07.5 Shawinigan Falls eP 02 03 13 d	MARCH 14 Kirkland Lake eP 08 25 03 c Ottawa eP 08 25 11 c	MARCH 14 U.S.C.G.S. 51 1/2N, 177W Andreanof Islands, Aleutian Islands H = 14 47 45 Mag. = 7 - 1/2 Alberni eP 14 54 22 Banff iP 14 55 01 c Halifax e(P) 14 58 47.5 c iP 14 58 48 d Lg 15 24 52 Hamilton iP 14 58 06 c S 15 06 26 PS 15 06 49 PPS 15 07 19 S <sub>c</sub> S 15 07 56 G 15 14 45

## SEISMOLOGICAL BULLETIN - 1957

Horseshoe Bay iP 14 54 27 c iS 14 59 53 Kirkland Lake eP 14 57 40 c eS 15 05 40 Ottawa eP 14 58 07 c S 15 06 32 e 15 09 00 SS 15 11 20 G 15 15 00 Resolute iP 14 55 15 Saskatoon iP 14 55 38 S 15 01 54 Schefferville eP 14 57 49 d i 14 57 50 c Seven Falls eP 14 58 15 P <sub>c</sub> P 14 59 07 e 14 59 52 PPP 15 02 06 S 15 06 36 PS 15 07 05 S <sub>c</sub> S 15 07 52 G 15 14 07 Shawinigan Falls eP 14 58 10 c P <sub>c</sub> P 14 58 59 S 15 06 34 Victoria eP 14 54 31 S 14 59 58	Horseshoe Bay iP 15 12 50 c Ottawa eP 15 15 30 d Schefferville eP 15 15 11 d i 15 15 12 c Shawinigan Falls iP 15 15 34 d	Kirkland Lake eP 16 00 59 Ottawa eP 16 01 25 d Schefferville eP 16 01 06.5 c Seven Falls eP 16 01 36 ? Shawinigan Falls iP 16 01 29 d Victoria iP 15 57 50.4 c
MARCH 14 Banff eP 15 29 33	MARCH 14 Ottawa eP 15 27 15 Shawinigan Falls eP 15 27 15	MARCH 14 Schefferville eP 16 11 44
MARCH 14 Banff eP 15 29 33	MARCH 14 Schefferville eP 15 32 21 c	MARCH 14 U.S.C.G.S. 51N 178W Andreanof Islands, Aleutian Islands H = 17 06 21 Banff eP 17 13 45 Horseshoe Bay eP 17 13 11 Kirkland Lake eP 17 16 29 Ottawa eP 17 16 52 Resolute eP 17 13 57 eS 17 20 03 Schefferville eP 17 16 41 Shawinigan Falls eP 17 16 53 Victoria eP 17 13 15
MARCH 14 Halifax eP 15 04 25	MARCH 14 U.S.C.G.S. 51 1/2N, 177 1/2W Andreanof Islands, Aleutian Islands H = 15 51 00 Banff eP 15 58 09 Halifax eP 16 02 06 e 16 02 17 Horseshoe Bay iP 15 57 45 c	MARCH 14 Resolute eP 17 56 22 Schefferville eP 17 58 52.5



## DOMINION OBSERVATORIES

MARCH 14	Banff	MARCH 15
Halifax	eP 02 58 32 d	U.S.C.G.S.
eP 20 26 17	Halifax	51N, 176W
	eP 03 02 38 d	Andreanof Islands,
	Hamilton	Aleutian Islands
MARCH 14	iP 03 01 47 d	H = 04 12 56
Ottawa	S 03 09 33	Banff
ip 21 06 55	S <sub>C</sub> S 03 11 33	eP 04 20 09
S <sub>n</sub> 21 07 13	SS 03 15 14	Halifax
L 21 07 20	L 03 19 03	eP 04 23 57 d?
d = 155 km	Horseshoe Bay	iP 04 23 59 c
	eP 02 57 57	Hamilton
	eP <sub>C</sub> P 03 01 15	eP 04 23 14
MARCH 14	eS 03 02 37	Horseshoe Bay
Kirkland Lake	Kirkland Lake	eP 04 19 36
iP 21 32 31	eP 03 01 26 d?	Kirkland Lake
	eS 03 08 49	eP 04 22 52 d?
	Ottawa	Ottawa
MARCH 14	eP 03 01 50	iP 04 23 17 c
U.S.C.G.S.	S 03 09 40	Schefferville
51 1/2N, 176W	S <sub>C</sub> S 03 11 40	eP 04 22 59
Andreanof Islands,	e 03 13 40	Seven Falls
Aleutian Islands	Resolute	eP 04 23 24 ?
H = 22 18 23	iP 02 59 07 c	Shawinigan Falls
Halifax	iP <sub>C</sub> P 03 01 38	eP 04 23 20 c
eP 22 29 22	eL 03 13.6	Victoria
Kirkland Lake	Saskatoon	eP 04 19 40
eP 22 28 26	eP 02 59 12	
Ottawa	eS 03 04 54	
eP 22 28 40 d	Schefferville	
Resolute	eP 03 01 37	MARCH 15
eP 22 25 48	iPP 03 02 49	Ottawa
Schefferville	Seven Falls	eP 05 18 23
eP 22 28 21.5	eP 03 02 02 ?	Schefferville
Shawinigan Falls	PP 03 04 14 ?	eP 05 18 02 c?
eP 22 28 44	S 03 09 57 ?	Shawinigan Falls
	S <sub>C</sub> S 03 11 53 ?	eP 05 18 23 d
	SS 03 14 13 ?	
	SSS 03 16 21 ?	
MARCH 14	L 03 18 41 ?	MARCH 15
Ottawa	Shawinigan Falls	Ottawa
eP 23 29 38	eP 03 01 55	iP 09 38 54 d
Schefferville	PP 03 03 59	Shawinigan Falls
eP 23 29 19.5	Victoria	eP 09 38 57 d
	eP 02 58 01 d?	
	iS 03 02 44	
MARCH 15		MARCH 15
U.S.C.G.S.		Banff
53N, 167W		eP 10 35 35
Fox Islands, Aleutian		
Islands		
H = 02 52 08		
Mag. = 6 3/4		

## SEISMOLOGICAL BULLETIN - 1957

MARCH 15	MARCH 15	Schefferville
Schefferville	U.S.C.G.S.	eP 22 23 32 c
eP 10 40 13 c?	53N, 167W	i 22 23 44.5 d
e 10 40 24 c	Fox Islands, Aleutian	Shawinigan Falls
	Islands	eP 22 23 53
	H = 16 38 02	Victoria
MARCH 15	Ottawa	eP 22 20 15.6
Schefferville	eP 16 47 41	
eP 11 15 07 c	Schefferville	
Shawinigan Falls	eP 16 47 28	MARCH 16
eP 11 15 25	Shawinigan Falls	Alberni
	eP 16 47 45	iP 00 37 14.6
		Banff
MARCH 15	MARCH 15	eP 00 38 41.3
U.S.C.G.S.	Shawinigan Falls	e 00 38 52
51N, 173W	eP 18 05 01	e 00 40 49
Andreanof Islands,	i 18 05 40	Horseshoe Bay
Aleutian Islands	i 18 06 00	iP 00 37 18.6 c
H = 11 57 28	e 18 06 26	Victoria
Banff		iP 00 37 29.1
iP 12 04 25 d		i 00 38 01
eP <sub>C</sub> P 12 06 54		i 00 38 11
Halifax	MARCH 15	
iP 12 08 22 d	Ottawa	
Kirkland Lake	iP 18 43 41 d	MARCH 16
eP 12 07 14	Shawinigan Falls	Resolute
Ottawa	eP 18 43 46	e 00 51 37
iP 12 07 38 c		
Schefferville		
iP 12 07 25 c	MARCH 15	MARCH 16
i 12 07 34	Schefferville	U.S.C.G.S.
Shawinigan Falls	eP 20 26 53 c	35N, 53E
eP 12 07 43		Northern Iran
		H = 00 43 41
		Banff
MARCH 15	MARCH 15	eP 00 57 01.9
Schefferville	U.S.C.G.S.	Halifax
iP 12 45 49 c	51 1/2N, 177W	iP 00 56 07 d
e 12 46 29	Andreanof Islands,	Kirkland Lake
	Aleutian Islands	eP 00 56 32
	H = 22 13 25	Ottawa
	Banff	iP 00 56 33 d
MARCH 15	eP 22 20 43	Resolute
Kirkland Lake	Kirkland Lake	iP 00 54 49 c
eP 16 39 47	eP 22 23 22	Schefferville
Ottawa	Ottawa	eP 00 55 36 c
eP 16 40 13	iP 22 23 50 d	Seven Falls
Schefferville	Resolute	eP 00 56 16 ?
eP 16 39 56 c	eP 22 20 58	Shawinigan Falls
Shawinigan Falls		eP 00 56 23 d
eP 16 40 16		
i 16 40 35		











DOMINION OBSERVATORIES

Horseshoe Bay  
 eP 02 31 38  
 e 02 35 40  
 e 02 38 19  
 eS 02 36 37  
 e 02 41 16  
 Kirkland Lake  
 iP 02 34 58  
 e(S) 02 42 37  
 Ottawa  
 eP 02 35 26 c  
 P<sub>c</sub>P 02 36 16  
 S 02 43 29  
 S<sub>c</sub>S 02 45 16  
 Seven Falls  
 eP 02 35 37 ?  
 S 02 43 43 ?  
 Shawinigan Falls  
 iP 02 35 30  
 S 02 43 36  
 Victoria  
 eP 02 31 41  
 eP<sub>c</sub>P 02 34 41  
 iS 02 36 42  
 eL 02 38.5  
 MARCH 18  
 U.S.C.G.S.  
 51 1/2N, 179W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 05 08 34  
 Banff  
 eP 05 16 01  
 Horseshoe Bay  
 eP 05 15 29  
 Kirkland Lake  
 eP 05 18 37  
 Ottawa  
 eP 05 19 11  
 Resolute  
 eS 05 32 32  
 Seven Falls  
 P 05 19 20  
 S 05 27 23  
 Shawinigan Falls  
 eP 05 19 16  
 Victoria  
 iP 05 15 32.6

MARCH 18  
 Shawinigan Falls  
 eP 06 51 44  
 MARCH 18  
 Banff  
 iP 07 57 13.3 d  
 Kirkland Lake  
 eP 08 00 10  
 Ottawa  
 eP 08 00 33 c  
 Shawinigan Falls  
 iP 08 00 37 c  
 Victoria  
 iP 07 56 43.0  
 eP<sub>c</sub>P 07 59 57  
 MARCH 18  
 Resolute  
 e 09 41 48  
 MARCH 18  
 Schefferville  
 iP 14 36 23 c  
 MARCH 18  
 Victoria  
 iP 14 31 53.0 d  
 MARCH 18  
 U.S.C.G.S.  
 34N, 119 1/2W  
 Near coast of southern  
 California  
 H = 18 56 24  
 Mag. = 4 1/2 - 4 3/4  
 Banff  
 eP 19 00 35  
 Horseshoe Bay  
 eP 19 00 09  
 Kirkland Lake  
 eP 19 02 57  
 Resolute  
 eL 19 23 47

Victoria  
 eP 18 59 58  
 MARCH 18  
 Ottawa  
 iP 20 00 42 d  
 MARCH 18  
 U.S.C.G.S.  
 52N, 180  
 Andreanof Islands,  
 Aleutian Islands  
 H = 20 03 47  
 Horseshoe Bay  
 eP 20 10 44  
 Kirkland Lake  
 eP 20 13 51  
 Ottawa  
 iP 20 14 18 c  
 Schefferville  
 iP 20 14 16 c  
 Shawinigan Falls  
 eP 20 14 22  
 MARCH 18  
 U.S.C.G.S.  
 52N, 180  
 Andreanof Islands  
 H = 20 03 47  
 Banff  
 eP' 21 26 58 d?  
 Halifax  
 eP' 21 33 29  
 Horseshoe Bay  
 iP 21 27 22 d  
 Ottawa  
 iP' 21 33 14 d  
 Resolute  
 eL 04 01 29  
 Shawinigan Falls  
 eP' 21 33 17  
 Victoria  
 eP 21 27 21

SEISMOLOGICAL BULLETIN - 1957

MARCH 19  
 U.S.C.G.S.  
 52N, 175 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 03 39 35  
 Banff  
 iP 03 46 41.2 c  
 Halifax  
 eP 03 50 32  
 Kirkland Lake  
 eP 03 49 23  
 e 03 50 18  
 Ottawa  
 iP 03 49 50  
 P<sub>c</sub>P 03 50 35  
 Schefferville  
 eP 03 49 29.5 c  
 Shawinigan Falls  
 eP 03 49 54 c  
 P<sub>c</sub>P 03 50 36

MARCH 19  
 U.S.C.G.S.  
 52N, 169W  
 Fox Islands,  
 Aleutian Islands  
 H = 08 12 40  
 Banff  
 eP 08 20 35  
 Horseshoe Bay  
 eP 08 20 08 c  
 Kirkland Lake  
 eP 08 23 28 c  
 Ottawa  
 eP 08 23 57 d  
 Resolute  
 eL 08 37 30  
 Schefferville  
 eP 08 23 47  
 ePP 08 24 45  
 Shawinigan Falls  
 eP 08 24 01 c  
 Victoria  
 eP 08 20 01

MARCH 19  
 U.S.C.G.S.  
 51 1/2N, 176 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 11 28 50  
 Banff  
 iP 11 36 05.5 c  
 Halifax  
 eP 11 39 54  
 Horseshoe Bay  
 iP 11 35 34 d  
 eS 11 40 59  
 Kirkland Lake  
 eP 11 38 46 c  
 Ottawa  
 eP 11 39 13 c  
 P<sub>c</sub>P 11 40 07  
 Resolute  
 eP 11 36 20  
 e 11 48 34  
 Schefferville  
 iP 11 38 53.5 d  
 Seven Falls  
 eP 11 39 23 ?  
 S 11 48 00 ?  
 SS 11 52 24 ?  
 Shawinigan Falls  
 eP 11 39 17 c  
 Victoria  
 iP 11 35 36.9 c

MARCH 19  
 U.S.C.G.S.  
 51 1/2N, 175W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 12 50 51  
 Mag. = 6 3/4  
 Alberni  
 eP 12 57 20  
 Banff  
 eP 12 57 59.9 d?  
 Halifax  
 eP 13 01 48 d  
 iP 13 01 51 c  
 Horseshoe Bay  
 iP 12 57 26 c  
 i 12 57 36  
 S 13 02 49

Kirkland Lake  
 eP 13 00 42 c?  
 eS 13 08 45  
 Ottawa  
 iP 13 01 09 d  
 PP 13 03 42  
 S 13 09 36  
 S<sub>c</sub>S 13 11 09  
 SS 13 14 13  
 Resolute  
 eP 12 58 24  
 Saskatoon  
 eP 12 58 40  
 eS 13 04 55  
 Schefferville  
 eP 13 00 49.5 c  
 iP 13 00 50 d  
 i 13 01 07  
 i 13 05 42  
 Seven Falls  
 eP 13 01 16 ?  
 P<sub>c</sub>P 13 01 55 ?  
 PP 13 03 44 ?  
 PPP 13 05 20 ?  
 S 13 09 50 ?  
 i 13 10 02 ?  
 PS 13 10 24 ?  
 S<sub>c</sub>S 13 11 13 ?  
 SS 13 14 24 ?  
 G 13 16 43 ?  
 Shawinigan Falls  
 eP 13 01 12 d  
 S 13 09 44  
 Victoria  
 iP 12 57 29.8 d  
 iS 13 02 56

MARCH 19  
 Ottawa  
 iP 13 06 01 d  
 Shawinigan Falls  
 eP 13 06 05  
 MARCH 19  
 Shawinigan Falls  
 eP 13 30 58



## DOMINION OBSERVATORIES

MARCH 19  
U.S.C.G.S.  
52N, 172 1/2W  
Fox Islands,  
Aleutian Islands  
H = 15 47 24  
Banff  
eP 15 54 17  
Halifax  
eP 15 58 17  
Horseshoe Bay  
eP 15 53 43  
Kirkland Lake  
eP 15 57 02  
Ottawa  
iP 15 57 31 c  
Schefferville  
eP 15 57 13.5  
iP 15 57 14.5 d  
Seven Falls  
eP 15 57 43  
Shawinigan Falls  
eP 15 57 35  
Victoria  
eP 15 53 47

MARCH 19  
Banff  
iP 16 29 14.9 d

MARCH 19  
U.S.C.G.S.  
52 1/2N, 171W  
Fox Islands, Aleutian  
Islands  
H = 17 04 25  
Banff  
eP 17 11 07  
Halifax  
eP 17 15 07  
Kirkland Lake  
eP 17 13 54  
i 17 14 06 d  
Ottawa  
eP 17 14 23  
i 17 14 35

Schefferville  
eP 17 14 06  
Shawinigan Falls  
eP 17 14 27 c

MARCH 19  
Schefferville  
eP 17 55 15.5

MARCH 19  
Kirkland Lake  
eP 23 45 58  
Ottawa  
eP 23 45 44  
Schefferville  
eP 23 34 32 d  
Shawinigan Falls  
eP 23 45 56

MARCH 20  
U.S.C.G.S.  
52N, 173W  
Andreanof Islands,  
Aleutian Islands  
H = 00 00 51  
Banff  
eP 00 07 46  
Halifax  
iP 00 11 42 c  
Horseshoe Bay  
eP 00 07 21  
Kirkland Lake  
eP 00 10 32  
Ottawa  
eP 00 11 00  
Resolute  
eP 00 08 10 d  
iP<sub>C</sub>P 00 10 40  
eL 00 25 24  
Schefferville  
iP 00 10 41.5 d  
Seven Falls  
eP 00 11 14 ?  
Shawinigan Falls  
iP 00 11 05  
Victoria  
eP 00 07 16

MARCH 20  
Ottawa  
eP 00 29 23  
Schefferville  
eP 00 29 04

MARCH 20  
U.S.C.G.S.  
53N, 169W  
Fox Islands, Aleutian  
Islands  
H = 00 22 25  
Banff  
eP 00 28 55  
Kirkland Lake  
eP 00 31 44 c  
Ottawa  
eP 00 32 13  
Resolute  
iP 00 29 26 c  
eL 00 38 01  
Schefferville  
eP 00 31 57  
Seven Falls  
eP 00 32 22 ?  
Shawinigan Falls  
iP 00 32 18 d  
Victoria  
eP 00 28 25

MARCH 20  
Kirkland Lake  
eP 20 52 05  
Ottawa  
iP 00 52 33 d  
Resolute  
e(P) 00 49 46  
Schefferville  
iP 00 48 46 c  
i 00 50 14  
e 00 51 17  
Shawinigan Falls  
iP 00 52 38 d

## SEISMOLOGICAL BULLETIN - 1957

MARCH 20  
Ottawa  
eP 02 53 13  
Schefferville  
eP 02 59 58 c

MARCH 20  
U.S.C.G.S.  
51 1/2N, 175 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 03 25 00  
Banff  
eP 03 32 10  
Kirkland Lake  
eP 03 34 51  
Ottawa  
iP 03 35 18 c  
Resolute  
eP 03 32 27  
eL 03 49 31  
Seven Falls  
eP 03 35 31  
Shawinigan Falls  
eP 03 35 21 c  
Victoria  
eP 03 31 40

MARCH 20  
U.S.C.G.S.  
10 1/2N, 127E  
Near coast of Mindanao,  
Philippine Islands  
H = 06 10 27  
Resolute  
iP 06 23 37 d

MARCH 20  
Resolute  
eP 06 42 06

MARCH 20  
Schefferville  
iP 10 51 53 c

MARCH 20  
U.S.C.G.S.  
52N, 172W  
Andreanof Islands,  
Aleutian Islands  
H = 11 01 42  
Banff  
iP 11 08 33 c  
eP<sub>C</sub>P 11 11 09  
Halifax  
eP 11 12 32  
Horseshoe Bay  
eP 11 08 01  
Kirkland Lake  
eP 11 11 20 c  
Ottawa  
eP 11 11 47  
Resolute  
eP 11 09 00  
iP 11 09 02 c  
iS 11 15 04  
eL 11 26 34  
Schefferville  
iP 11 11 34.5 d  
Shawinigan Falls  
eP 11 11 54 c

MARCH 20  
Banff  
eP 18 58 37  
Kirkland Lake  
e 19 01 10  
Ottawa  
eP 19 01 44

MARCH 20  
Banff  
eP 19 59 46  
Kirkland Lake  
e 20 02 36  
Schefferville  
eP 20 02 47 d

MARCH 20  
Banff  
eP 20 66 10

MARCH 20  
Banff  
eP 20 17 16.8  
e(S) 20 18 06.6  
Local shock

MARCH 20  
U.S.C.G.S.  
51 1/2N, 174 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 20 28 03  
Banff  
eP 20 35 06  
Ottawa  
iP 20 38 18 d  
Schefferville  
eP 20 38 01  
Shawinigan Falls  
eP 20 38 21 d

MARCH 21  
U.S.C.G.S.  
52N, 173W  
Andreanof Islands,  
Aleutian Islands  
H = 04 29 02  
Banff  
eP 04 36 38  
Kirkland Lake  
eP 04 38 46  
Ottawa  
iP 04 39 11 c  
Resolute  
eP 04 36 22  
e 04 52 29  
Shawinigan Falls  
eP 04 39 17 d

MARCH 21  
Ottawa  
iP 08 42 38 d  
Shawinigan Falls  
eP 08 42 42 d



DOMINION OBSERVATORIES

MARCH 21  
U.S.C.G.S.  
14 1/2N, 93W  
Near coast of Chiapas,  
Mexico  
H = 08 44 46  
Banff  
eP 08 52 32 c  
Horseshoe Bay  
iP 08 52 46 c  
Kirkland Lake  
eP 08 52 02  
Ottawa  
eP 08 51 34 d  
PP 08 52 57  
S 08 57 02  
Resolute  
iP 08 54 58 d  
eS 09 03 18  
eL 09 21 33  
Schefferville  
eP 08 53 05 d  
Shawinigan Falls  
iP 08 51 52 d  
PP 08 53 17  
Victoria  
iP 08 52 43  
eL 09 10.0

MARCH 21  
Kirkland Lake  
eP 12 41 04 c  
Ottawa  
iP 12 41 33 c  
PP 12 43 41  
Resolute  
eP 12 38 46 c  
eL 12 51 07  
Schefferville  
iP 12 41 08 d  
Seven Falls  
eP 12 41 41  
Shawinigan Falls  
eP 12 41 38  
PP 12 43 46

MARCH 21  
Banff  
eP 13 52 28

MARCH 21  
Kirkland Lake  
eP 14 22 10

MARCH 21  
U.S.C.G.S.  
51N, 175W  
Andreanof Islands,  
Aleutian Islands  
H = 15 46 16  
Horseshoe Bay  
eP 17 45 58  
Kirkland Lake  
eP 15 56 08 c?  
Ottawa  
iP 15 56 35  
Resolute  
eP 17 46 45 c  
eL 17 55 59  
Shawinigan Falls  
iP 15 56 39 c

MARCH 21  
U.S.C.G.S.  
52N, 171W  
Fox Islands,  
Aleutian Islands  
H = 12 31 30  
Banff  
eP 12 38 16 c  
Horseshoe Bay  
eP 12 37 43

MARCH 21  
U.S.C.G.S.  
51 1/2N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 17 39 12  
Horseshoe Bay  
eP 17 45 58  
Ottawa  
eP 17 49 38 c  
Shawinigan Falls  
eP 17 49 42  
Victoria  
eP 17 46 01

MARCH 21  
Ottawa  
eP 18 01 24

MARCH 21  
Schefferville  
eP 20 49 23

MARCH 21  
Horseshoe Bay  
iP 22 36 19.3 c  
iS 22 36 20.5  
Local shock

MARCH 22  
Schefferville  
iP 00 17 43 c

MARCH 22  
Alberni  
iP 01 49 49.1  
iS 01 49 57.3  
Horseshoe Bay  
iP 01 49 42.6 d  
iS 01 49 49.0  
Victoria  
iP 01 49 52.0  
i 01 49 54.5  
iS 01 50 06.7  
Local shock



SEISMOLOGICAL BULLETIN - 1957

MARCH 22  
Alberni  
iP 01 58 13.9  
Horseshoe Bay  
iP 01 58 09.1 d  
iS 01 58 14.5  
Victoria  
iP 01 58 18.2  
iS 01 58 34.9  
Local shock

MARCH 22  
Alberni  
iP 02 23 54.5  
i 02 23 57.0  
Horseshoe Bay  
iP 02 23 49.0  
iS 02 23 54.2  
Victoria  
iP 02 23 57.9  
e 02 24 00.3  
iS 02 24 12.3  
Local shock

MARCH 22  
Schefferville  
iP 02 41 02 d

MARCH 22  
Alberni  
iP 03 43 53.5  
iS 03 44 03.6  
Horseshoe Bay  
eP 03 44 06.7  
e 03 44 32.0  
Victoria  
iP 03 44 12.6  
iS 03 44 41.0  
Local shock  
Schefferville  
eP 03 44 53

MARCH 22  
Banff  
eP 09 43 16 c  
Kirkland Lake  
eP 09 46 03 c  
Ottawa  
iP 09 46 32 c  
Resolute  
eP 09 43 42  
e 10 00 45  
Schefferville  
iP 09 46 13 d  
Seven Falls  
eP 09 46 39  
Shawinigan Falls  
iP 09 46 34

MARCH 22  
Kirkland Lake  
eP 10 44 14  
Resolute  
eP 10 44 18 d

MARCH 22  
Schefferville  
eP 13 24 41

MARCH 22  
U.S.C.G.S.  
54N, 165 1/2W  
Fox Islands,  
Aleutian Islands  
H = 14 33 13  
Alberni  
iP 14 26 43  
Banff  
eP 14 27 18  
Horseshoe Bay  
eP 14 26 47  
iS 14 31 20  
Kirkland Lake  
eP 14 30 11 c  
eS 14 27 31

Ottawa  
iP 14 30 41 c  
PP 14 32 48  
PPP 14 34 10  
S 14 38 16  
PS 14 38 48  
SoS 14 40 28  
SS 14 42 18  
L 14 47 00  
Resolute  
iP 14 27 55 c  
eS 14 33 17  
eL 14 35 57  
Saskatoon  
eP 14 27 56  
eS 14 33 30  
Schefferville  
eP 14 30 25  
iPP 14 31 36  
Seven Falls  
eP 14 30 52  
e 14 31 34  
PP 14 33 00  
PPP 14 34 24  
S 14 38 35  
SS 14 42 33  
SSS 14 42 37  
L 14 47 37  
Shawinigan Falls  
iP 14 30 45  
e 14 38 16  
SoS 14 40 23  
Victoria  
iP 14 26 51  
iPcP 14 30 13  
iS 14 31 18  
e 14 39 00

MARCH 22  
U.S.C.G.S.  
54N, 165 1/2W  
Fox Islands,  
Aleutian Islands  
H = 14 33 13  
Banff  
eP 14 39 24



## DOMINION OBSERVATORIES

Kirkland Lake  
eP 14 42 18  
Ottawa  
iP 14 42 47 c  
Schefferville  
iP 14 42 32 d  
Shawinigan Falls  
iP 14 42 51 c

## MARCH 22

U.S.C.G.S.  
52 1/2N, 171W  
Fox Islands,  
Aleutian Islands  
H = 17 09 51  
Banff  
eP 17 16 34 c  
Halifax  
eP 17 20 33 c  
Horseshoe Bay  
eP 17 16 02  
Kirkland Lake  
eP 17 19 21  
Ottawa  
eP 17 19 50  
Resolute  
iP 17 17 02 d  
iS 17 23 07  
Schefferville  
eP 17 19 35 c  
Shawinigan Falls  
iP 17 19 56 d  
Victoria  
iP 17 16 03 d  
eL 17 24.3

## MARCH 22

U.S.C.G.S.  
37.9N, 122.6W  
Northern California  
H = 19 44 22  
Mag. = 5 1/4 - 5 1/2  
Horseshoe Bay  
iP 19 47 12.0  
e 19 49 43  
Kirkland Lake  
eP 19 50 53

Ottawa  
eP 19 51 18 d  
i 19 52 27  
P<sub>C</sub>P 19 53 48  
L 20 02 00  
Resolute  
iP 19 51 52 d  
ePP 19 53 21  
eL 20 05 35  
Saskatoon  
eP 19 48 20  
Schefferville  
eP 19 52 09  
i 19 52 57  
Shawinigan Falls  
iP 19 51 34 c  
i 19 53 02  
P<sub>C</sub>P 19 53 48  
Victoria  
eP 19 46 59

## MARCH 22

Kirkland Lake  
eP 20 43 52

## MARCH 23

Banff  
eP 00 59 00  
Horseshoe Bay  
eP 00 58 36  
Kirkland Lake  
eP 01 01 52  
Ottawa  
eP 01 02 17 d  
Resolute  
eP 00 59 36  
Schefferville  
eP 01 01 58 c  
Shawinigan Falls  
iP 01 02 25 c  
Victoria  
eP 00 58 47

## MARCH 23

U.S.C.G.S.  
Near coast of  
Chiapas, Mexico  
H = 03 53 55  
Kirkland Lake  
eP 04 00 46  
Ottawa  
iP 04 00 39 d  
Shawinigan Falls  
iP 04 01 00 d

## MARCH 23

U.S.C.G.S.  
5 1/2S, 131E  
Banda Sea  
H = 05 12 31  
Mag. = 7  
Banff  
eP 05 26 53 d  
Halifax  
eP' 05 31 42  
e 05 32 31  
Horseshoe Bay  
eP 05 26 33 c  
Kirkland Lake  
eP' 05 31 37 d  
iSKP 05 34 48 d  
ePKS 05 34 59  
Ottawa  
eP' 05 31 29 d  
i 05 31 44  
pP' 05 32 21  
PP 05 34 10  
PKS 05 35 01  
e 05 35 25  
e 05 36 04  
PPS 05 46 08  
SS 05 51 40  
Resolute  
iP 05 26 40 d  
esP 05 27 21  
e 05 30 20  
ePP 05 31 05  
eSKS 05 37 08  
e(SP) 05 39 52

## SEISMOLOGICAL



## Schefferville

eP' 05 31 28  
iP' 05 31 35 d  
Seven Falls  
e 05 31 45  
e 05 32 30  
PP 05 34 19  
PKS 05 35 08  
e 05 36 08  
PS 05 44 30  
PPS 05 46 09  
G 06 08 06  
Shawinigan Falls  
eP' 05 31 31  
i 05 31 46  
pP' 05 32 25  
PP 05 34 06  
PKS 05 35 03  
e 05 35 36  
e 05 36 01  
Victoria  
iP 05 26 33 d  
L 05 28.9

## MARCH 23

Horseshoe Bay  
iP 05 30 51 c  
iS 05 37 02  
Victoria  
iP 05 30 48  
i 05 37 02  
i 05 37 42

## MARCH 23

Ottawa  
eP 10 38 42  
Resolute  
iP 10 35 59 d  
Shawinigan Falls  
eP 10 38 48

## MARCH 23

U.S.C.G.S.  
51 1/2N, 179W  
Andreanof Islands,  
Aleutian Islands  
H = 13 24 33  
Banff  
eP 13 31 51  
Kirkland Lake  
eP 13 34 31 c  
Ottawa  
eP 13 34 59  
i 13 35 10  
Resolute  
eP 13 32 19  
Schefferville  
eP 13 33 33  
Shawinigan Falls  
eP 13 35 03 c  
i 13 35 16  
Victoria  
eP 13 31 23

## MARCH 23

U.S.C.G.S.  
51N, 179 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 13 39 53  
Banff  
eP 13 47 24  
Horseshoe Bay  
eP 13 46 54  
Kirkland Lake  
eP 13 50 00 c  
Ottawa  
eP 13 50 25 d  
Resolute  
iP 13 47 34 c  
Schefferville  
eP 13 50 06  
Shawinigan Falls  
iP 13 50 29 c  
i 13 50 40  
Victoria  
iP 13 46 55 d

## MARCH 23

Ottawa  
iP<sub>n</sub> 19 03 47  
S<sub>n</sub> 19 04 04  
d = 150 km  
Shawinigan Falls  
i 19 04 45

## MARCH 23

Shawinigan Falls  
eP 19 48 05

## MARCH 23

Kirkland Lake  
e 19 52 06  
e 19 54 52  
e(S<sub>1</sub>) 19 54 59  
Ottawa  
i(P<sub>1</sub>) 19 52 43  
e 19 55 55  
(S<sub>1</sub>) 19 56 04  
Seven Falls  
e 19 52 39  
e 19 53 34  
e 19 54 58  
Shawinigan Falls  
e(P) 19 52 18  
e 19 53 48  
e 19 54 29  
i 19 55 09  
i 19 56 20

## MARCH 23

Banff  
eP 21 39 14.8  
e(S) 21 39 19.2  
Local shock

## MARCH 23

Schefferville  
eP 22 17 49  
Shawinigan Falls  
eP 22 18 10







DOMINION OBSERVATORIES

Kirkland Lake  
eP 02 35 38 d

Ottawa  
eP 02 35 25 c

Resolute  
eP 02 38 52 d  
iP 02 38 54 d

Shawinigan Falls  
eP 02 35 42 c

Victoria  
eP 02 36 45

MARCH 25  
Ottawa  
iP 03 14 35 d

MARCH 25  
U.S.C.G.S.  
54N, 163 1/2W  
Unimak Island region,  
Alaska  
H = 05 37 25

Banff  
eP 05 43 29

Horseshoe Bay  
eP 05 42 55  
i 05 46 27

Ottawa  
eP 05 46 52

Resolute  
eP 05 44 08  
eL 05 59 13

Schefferville  
eP 05 46 37.5 c

Victoria  
eP 05 42 56

MARCH 25  
Ottawa  
iP 07 14 04 d

Shawinigan Falls  
eP 07 14 07

MARCH 25  
Alberni  
iP 08 07 55.1  
iS 08 08 10.9

Horseshoe Bay  
iP 08 07 50.3 c  
iS 08 08 03.2

Victoria  
iP 08 07 40.0  
iS 08 07 45.0

Local shock

MARCH 25  
Horseshoe Bay  
iP 08 30 41.9 d

Victoria  
iP 08 30 44

MARCH 25  
Banff  
eP 10 30 50

MARCH 25  
Shawinigan Falls  
eP 11 46 41

MARCH 25  
U.S.C.G.S.  
54N, 165 1/2W  
Fox Islands,  
Aleutian Islands  
H = 14 13 33

Banff  
iP 14 19 47 d

Horseshoe Bay  
eP 14 19 12 (d)

Kirkland Lake  
eP 14 22 44

Ottawa  
eP 14 23 08 d

Resolute  
iP 14 20 21 d  
e 14 26 41  
e 14 35 40

Seven Falls  
eP 14 23 18 ?

Shawinigan Falls  
iP 14 23 13

Victoria  
iP 14 19 15 d  
eL 14 25.9

MARCH 25  
U.S.C.G.S.  
Reuilla Gigedo  
Islands region  
H = 18 25 48

Ottawa  
eP 18 33 08

Shawinigan Falls  
eP 18 33 22

MARCH 25  
Resolute  
eP 21 25 39

MARCH 26  
Kirkland Lake  
eP 01 39 22

MARCH 26  
U.S.C.G.S.  
54N, 165 1/2W  
Fox Islands,  
Aleutian Islands  
H = 02 28 36

Banff  
eP 02 16 26

Horseshoe Bay  
eP 02 15 53

Kirkland Lake  
eP 02 19 19

Ottawa  
iP 02 19 48 c

Resolute  
iP 02 17 02 c  
eL 02 31 17

Shawinigan Falls  
eP 02 19 53 c

SEISMOLOGICAL BULLETIN - 1957

Victoria  
eP 02 15 55

MARCH 26  
U.S.C.G.S.  
51N, 177 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 02 47 50

Resolute  
eP<sub>c</sub>P 02 57 26  
eS 03 02 06  
e 03 08 17  
eL 03 11 19

MARCH 26  
Banff  
eP 03 01 29

Ottawa  
eP 03 04 51

MARCH 26  
U.S.C.G.S.  
51 1/2N, 170W  
Fox Islands,  
Aleutian Islands  
H = 03 04 55

Banff  
eP 03 11 39

Halifax  
eP 03 15 40

Horseshoe Bay  
eP 03 09 43

Kirkland Lake  
eP 03 14 29 d?

Ottawa  
eP 03 14 57 d

Resolute  
eP 03 12 10  
eS 03 18 09  
eL 03 31 37

Shawinigan Falls  
eP 03 15 01

Victoria  
eP 02 15 55

MARCH 26  
Horseshoe Bay  
iP 13 57 16 c

MARCH 26  
U.S.C.G.S.  
50 1/2N, 180  
Andreanof Islands,  
Aleutian Islands  
H = 16 01 53

Banff  
eP 16 09 25 d

Horseshoe Bay  
iP 16 08 55 d

Halifax  
iP 16 13 11 c

Kirkland Lake  
eP 16 12 04 c

Ottawa  
iP 16 12 30 c

Resolute  
iP 16 09 38 c

Schefferville  
eP 16 11 12 c  
i 16 11 22.5 d  
ePP 16 12 35

Seven Falls  
eP 16 12 38

Shawinigan Falls  
eP 16 12 34 c

MARCH 26  
U.S.C.G.S.  
51N, 179 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 18 16 47

Horseshoe Bay  
eP 18 23 45

Victoria  
eP 18 23 49

MARCH 26  
Horseshoe Bay  
eP 19 19 49

Victoria  
eP 19 20 00.1

Local shock

MARCH 27  
U.S.C.G.S.  
52 1/2N, 170W  
Fox Islands,  
Aleutian Islands  
H = 04 13 52

Banff  
eP 04 20 30

Halifax  
iP 04 24 31

Kirkland Lake  
eP 04 23 18

Ottawa  
iP 04 23 47 c

Schefferville  
iP 04 23 30 d

Shawinigan Falls  
iP 04 23 52 d

MARCH 27  
Halifax  
eP<sub>1</sub> 10 26 42  
eS<sub>1</sub> 10 26 56  
d = 100 km

MARCH 27  
Banff  
eP 13 51 54

MARCH 27  
Horseshoe Bay  
iP 16 21 02.5 c

MARCH 28  
U.S.C.G.S.  
51 1/2N, 174 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 01 15 20



DOMINION OBSERVATORIES

Ottawa  
eP 01 25 33 c

MARCH 28  
Alberni  
iP 04 45 46.4  
iS 04 46 03.4  
Horseshoe Bay  
iP 04 45 44.2  
Victoria  
iP 04 45 29.7  
iS 04 45 33.0  
i 04 45 35.5  
Local shock

MARCH 28  
Banff  
eP 14 28 42

MARCH 28  
Ottawa  
iP<sub>n</sub> 15 47 17  
S<sub>n</sub> 15 47 34  
L 15 47 42  
d = 150 km

MARCH 28  
Banff  
iP 18 36 29 d?  
Horseshoe Bay  
iP 18 39 04.9 c  
Schefferville  
iP 18 39 20 c

MARCH 28  
U.S.C.G.S.  
Andreanof Islands,  
Aleutian Islands  
H = 19 55 31  
Banff  
eP 20 02 41  
Horseshoe Bay  
eP 20 02 10

Ottawa  
eP 20 05 54  
Shawinigan Falls  
eP 20 06 02  
Victoria  
eP 20 02 10

MARCH 28  
U.S.C.G.S.  
51N, 171 1/2W  
Fox Islands,  
Aleutian Islands  
H = 20 08 20  
Banff  
eP 20 15 07  
Horseshoe Bay  
eP 20 14 37  
Kirkland Lake  
eP 20 18 02  
Ottawa  
iP 20 18 24 d  
Resolute  
eP 20 15 37 d  
e 20 24 06  
e 20 25 24  
e 20 28 27  
Schefferville  
iP 20 18 09 d  
i 20 18 19  
Shawinigan Falls  
eP 20 18 29  
Victoria  
eP 20 14 37  
e 20 19 39  
eL 20 21.5

MARCH 28  
U.S.C.G.S.  
39 1/2N, 22 1/2E  
Central Greece  
H = 22 25 58  
Banff  
eP 22 38 27  
Ottawa  
eP 22 37 07  
Resolute  
eP 22 36 04

Schefferville  
eP 22 36 02  
i 22 36 11  
Shawinigan Falls  
eP 22 36 51 c

MARCH 29  
Shawinigan Falls  
eP 00 22 23

MARCH 29  
U.S.C.G.S.  
53 1/2N, 167W  
Fox Islands,  
Aleutian Islands  
H = 05 10 28  
Alberni  
eP 05 16 10  
Banff  
eP 05 16 48  
Halifax  
eP 05 20 55  
iLg 05 49 21  
Horseshoe Bay  
eP 05 16 15  
e 05 19 36  
iS 05 20 55  
Kirkland Lake  
iP 05 19 41 c  
i 05 20 00  
e 05 21 45  
eS 05 26 53

Ottawa  
iP 05 20 08 d  
P<sub>c</sub>P 05 21 14  
PP 05 22 19  
i 05 22 29  
S 05 27 46  
PS 05 28 08  
PPS 05 28 18  
SsS 05 29 26  
SS 05 32 00

Resolute  
iP 05 17 22 c  
eS 05 22 51  
i 05 23 36  
eL 05 24 30

SEISMOLOGICAL BULLETIN - 1957

Saskatoon  
eP 05 17 31  
eS 05 23 03

Schefferville  
iP 05 19 54  
e 05 28 57

Seven Falls  
eP 05 20 18  
P<sub>c</sub>P 05 21 03  
PP 05 22 30  
PPP 05 23 52  
S 05 28 10  
PS 05 28 33  
e 05 29 03  
S<sub>c</sub>S 05 30 01  
e 05 30 26  
SS 05 31 54  
Lg 05 33 11  
Lr 05 36 45

Shawinigan Falls  
eP 05 20 14 d  
P<sub>c</sub>P 05 21 07  
PP 05 22 25  
i 05 22 35  
S 05 28 05  
PS 05 28 21  
SS 05 32 10

Victoria  
iP 05 16 19  
i 05 16 35  
eS 05 21 00

MARCH 29  
Ottawa  
eP 05 50 04

Shawinigan Falls  
eP 05 50 10

MARCH 29  
U.S.C.G.S.  
4N, 127E  
Falond Islands  
H = 05 37 50  
Ottawa  
iP' 05 57 21 d  
Shawinigan Falls  
iP' 05 57 20

MARCH 29  
U.S.C.G.S.  
53 1/2N, 167W  
Fox Islands,  
Aleutian Islands  
H = 07 25 58  
Banff  
eP 07 32 18  
Kirkland Lake  
eP 07 35 11  
Ottawa  
eP 07 35 39 c  
Resolute  
eP 07 32 53  
Shawinigan Falls  
eP 07 35 45  
Victoria  
eP 07 31 49

MARCH 29  
U.S.C.G.S.  
53N, 167W  
Fox Islands,  
Aleutian Islands  
H = 08 16 03  
Banff  
eP 08 22 23  
Ottawa  
eP 08 25 45  
Resolute  
eP 08 23 01 c  
Schefferville  
eP 08 25 29  
Shawinigan Falls  
eP 08 25 51

MARCH 29  
Banff  
eP 15 21 34

MARCH 29  
Resolute  
eP 18 50 57  
iP 18 51 04 d

MARCH 29  
U.S.C.G.S.  
53N, 169W  
Fox Islands,  
Aleutian Islands  
H = 22 49 51  
Mag. = 6 - 6 1/4  
Banff  
eP 22 56 19  
Halifax  
eP 23 00 23  
Horseshoe Bay  
eP 22 55 55  
eS 23 00 33  
Kirkland Lake  
eP 22 59 10 c  
eS 23 06 38  
Ottawa  
iP 22 59 39 c  
S 23 07 30  
Resolute  
iP 22 56 52 c  
eS 23 01 57  
e 23 05 53  
eS<sub>c</sub>S 23 06 31  
eL 23 09 29  
Schefferville  
eP 22 59 25 c  
iP 22 59 25.5 d  
i 22 59 38 d  
Seven Falls  
eP 22 59 51  
S 23 07 50  
PS 23 08 14  
SS 23 12 05  
Shawinigan Falls  
iP 22 59 44 c  
P<sub>c</sub>P 23 00 35  
PP 23 02 01  
Victoria  
eP 22 55 52  
S 23 00 38  
L 23 04.0



## DOMINION OBSERVATORIES

MARCH 30  
 U.S.C.G.S.  
 51 1/2N, 179 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 00 42 40  
 Banff  
 eP 00 50 06  
 Halifax  
 eP 00 53 52  
 Horseshoe Bay  
 iP 00 49 39 d  
 Kirkland Lake  
 eP 00 52 45 d  
 Ottawa  
 eP 00 53 11 d  
 Resolute  
 iP 00 50 17 d  
 eS 00 56 10  
 Schefferville  
 iP 00 56 53 c  
 Shawinigan Falls  
 eP 00 53 15 d  
 i 00 53 26  
 P<sub>c</sub>P 00 54 05  
 Victoria  
 eP 00 49 41.1 d

MARCH 30  
 U.S.C.G.S.  
 51 1/2N, 178W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 01 50 39  
 Banff  
 eP 01 58 04  
 e 02 00 14  
 Horseshoe Bay  
 eP 01 57 31  
 eP<sub>c</sub>P 02 00 04  
 Resolute  
 iP 01 58 13

MARCH 30  
 Banff  
 eP 02 04 00

MARCH 30  
 Horseshoe Bay  
 eP 02 13 28.9  
 iS 02 13 44.6  
 Victoria  
 eP 02 13 35.2  
 iS 02 13 57.0  
 Local shock

MARCH 30  
 U.S.C.G.S.  
 51N, 180  
 Andreanof Islands,  
 Aleutian Islands  
 H = 06 37 00  
 Banff  
 eP 06 44 31  
 Horseshoe Bay  
 eP 06 44 02  
 e 06 46 23  
 Resolute  
 iP 06 44 40 c  
 Shawinigan Falls  
 eP 06 47 38  
 Victoria  
 iP 06 44 04 d?  
 L 06 54.0

MARCH 30  
 Ottawa  
 e(P) 07 53 25

MARCH 30  
 U.S.C.G.S.  
 52N, 175W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 09 17 00  
 Banff  
 eP 09 24 06 c  
 Halifax  
 eP 09 27 57  
 Horseshoe Bay  
 eP 09 23 35  
 Kirkland Lake  
 eP 09 26 49

Ottawa  
 eP 09 27 16 d  
 Resolute  
 eP 09 24 24 d  
 iP 09 24 25 c  
 i 09 26 37  
 e 09 30 20  
 e 09 31 17  
 Schefferville  
 eP 09 27 03.7 d  
 iP 09 27 04 c  
 e 09 27 51  
 i 09 28 24.5  
 Shawinigan Falls  
 eP 09 27 20 d  
 Victoria  
 iP 09 23 37 c?  
 eS 09 28 55  
 L 09 32.1

MARCH 30  
 Banff  
 eP 11 19 02  
 Horseshoe Bay  
 eP 11 18 31  
 Victoria  
 eP 11 18 33

MARCH 30  
 Victoria  
 iP 23 14 51.1 d?  
 iS 23 14 59.9  
 Local shock

MARCH 31  
 Banff  
 eP 00 13 52 ?  
 e 00 14 07.9  
 e 00 14 10.9  
 Local shock

MARCH 31  
 U.S.C.G.S.  
 Near coast of  
 northern Chile  
 H = 02 22 40  
 h = about 100 km

## SEISMOLOGICAL BULLETIN - 1957

Banff  
 eP 02 34 51  
 Kirkland Lake  
 eP 02 23 39 c?  
 e 02 34 08  
 Ottawa  
 eP 02 33 18  
 P<sub>c</sub>P 02 33 48  
 Seven Falls  
 eP 02 33 47  
 S 02 42 54  
 Shawinigan Falls  
 eP 02 33 25  
 P<sub>c</sub>P 02 33 55

MARCH 31  
 U.S.C.G.S.  
 43 1/2N, 127 1/2W  
 Off coast of Oregon  
 H = 02 23 05  
 Alberni  
 iP 02 24 38.6  
 i 02 25 44

Banff  
 eP 02 25 46.9  
 Horseshoe Bay  
 eP 02 24 44  
 e 02 25 56  
 Resolute  
 eL 02 41 21  
 Victoria  
 iP 02 24 32.1  
 iS 02 25 37.2  
 L 02 27 24

Note: This shock was  
 local to the  
 western stations.

MARCH 31  
 Kirkland Lake  
 eP 04 22 39

MARCH 31  
 U.S.C.G.S.  
 51 1/2N, 178W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 10 08 28  
 Banff  
 eP 10 15 50  
 Horseshoe Bay  
 eP 10 15 19  
 Kirkland Lake  
 eP 10 18 38  
 Ottawa  
 eP 10 18 55  
 Resolute  
 eP 10 16 06  
 iS 10 21 54  
 eL 10 29 44  
 Shawinigan Falls  
 eP 10 18 59  
 Victoria  
 eP 10 15 22

MARCH 31  
 U.S.C.G.S.  
 54N, 158E  
 Kamchatka  
 H = 17 22 55  
 Shawinigan Falls  
 eP 17 34 15 c





Canada



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# **Seismological Bulletin**

*Seismological Service  
of Canada*

**April-June  
1957**

*Dominion Observatory,  
Department of Mines and  
Technical Surveys, Ottawa*



## SEISMOLOGICAL BULLETIN - 1957

NOTES

1. Banff. The station was out of operation from June 5 - 10 because of lack of paper.
2. Halifax. The chronometer was out for repairs from 12:27 May 14 until 13:18 May 17.
3. Kirkland Lake. The chronometer stopped several times between April 25 and April 30; times doubtful during this period have been indicated by parentheses.

The Kirkland Lake station was closed permanently at the end of June.

4. Ottawa. The 75-sec. galvanometer on the Benioff vertical was replaced by a 20-sec. galvanometer on June 6, 1957.
5. Schefferville. Time corrections were erratic throughout the quarter; readings of value for direction of first motion only.

The station at Schefferville was closed permanently on June 30.

6. Seven Falls. The Benioff vertical seismometer was out of operation from the first of the quarter until May 12.



## SEISMOLOGICAL BULLETIN - 1957

## APRIL - JUNE

## APRIL 1

U.S.C.G.S.  
 4 1/2N, 129E  
 Molucca Passage  
 H = 07 54 20  
 h = about 100 km  
 Kirkland Lake  
 eP' 08 13 10  
 Ottawa  
 eP' 08 13 18 d  
 iP 08 07 46 c  
 ePP 08 11 41  
 Shawinigan Falls  
 iP' 08 13 17 d

## APRIL 1

U.S.C.G.S.  
 51N, 73W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 11 35 30  
 Banff  
 eP 11 42 26 d?  
 e 11 44 56  
 Halifax  
 iP 11 46 24 d  
 eL 12 04.5  
 Horseshoe Bay  
 eP 11 41 54 c?  
 Kirkland Lake  
 eP 11 45 16 c?  
 Ottawa  
 eP 11 45 42 d  
 Resolute  
 eP 11 42 58  
 iPcP 11 45 09  
 eS 11 48 37  
 e 11 56 54  
 eL 12 00 16  
 Saskatoon  
 e 11 49 16  
 Seven Falls  
 eS 11 54 09  
 Shawinigan Falls  
 eP 11 45 48

## Victoria

iP 11 41 57 c

## APRIL 1

U.S.C.G.S.  
 51 1/2N, 178 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 19 04 41  
 Horseshoe Bay  
 iP 19 11 33

## APRIL 1

Banff  
 eP 20 07 54  
 Horseshoe Bay  
 eP 20 08 06  
 Kirkland Lake  
 eP 20 06 43  
 Ottawa  
 iP 20 07 16 d  
 Shawinigan Falls  
 eP 20 07 22

## APRIL 2

U.S.C.G.S.  
 51N, 173W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 00 39 42  
 Banff  
 eP 00 46 40  
 Halifax  
 eP 00 50 36 d?  
 iPcP 00 50 49 c  
 eS 00 59 31  
 eL 01 13.8  
 Horseshoe Bay  
 eP 00 46 08 d?  
 Kirkland Lake  
 eP 00 49 27  
 Ottawa  
 iP 00 49 54 c  
 e 00 58 14

## Resolute

eP 00 47 08 c  
 e 00 47 52  
 ePP 00 48 35  
 ePcP 00 49 21  
 e 01 00 22  
 eL 01 05 15  
 Schefferville  
 iP 00 49 38 c  
 Shawinigan Falls  
 eP 00 49 58 c

## APRIL 2

Kirkland Lake  
 e(P) 04 23 09  
 Ottawa  
 iP 04 22 50 c  
 i 04 23 11

## APRIL 2

U.S.C.G.S.  
 30N, 137E  
 Off south coast of  
 Honshu, Japan  
 H = 08 33 10  
 Banff  
 eP 08 44 13 c  
 Horseshoe Bay  
 iP 08 43 54 d  
 Resolute  
 iP 08 43 34 c  
 Victoria  
 iP 08 43 56

## APRIL 2

Horseshoe Bay  
 eP 09 02 03 d?

## APRIL 2

U.S.C.G.S.  
 51N, 173W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 11 51 42



## DOMINION OBSERVATORIES

Ottawa eP 12 01 54	Ottawa iP 20 49 16 c	APRIL 3 U.S.C.G.S. 51 1/2N, 177W
Schefferville eP 12 01 39	Shawinigan Falls eP 20 49 20	Andreanof Islands, Aleutian Islands H = 23 09 15
Shawinigan Falls iP 12 01 59 d PP 12 04 40	APRIL 2 U.S.C.G.S. 51N, 173W	Banff iP 23 16 32 c
APRIL 2 U.S.C.G.S. 51 1/2N, 173W	Andreanof Islands, Aleutian Islands H = 21 27 54	Horseshoe Bay eP 23 16 02
Andreanof Islands, Aleutian Islands H = 20 16 57	Banff iP 21 34 52 d	Ottawa iP 23 19 39 d
Banff eP 20 23 55	Halifax iP 21 38 50 c? eL 21 58	Victoria eP 23 16 04
Halifax iP 20 27 52 eL 20 46	Horseshoe Bay iP 21 34 20 d	APRIL 4 U.S.C.G.S. 58N, 155 1/2W
Horseshoe Bay eP 20 23 22	Kirkland Lake eP 21 38 41	Near coast of Alaska Peninsula H = 00 13 08
Kirkland Lake eP 20 26 41	Ottawa eP 21 38 07 d	Banff iP 00 18 08.6
Ottawa eP 20 27 09 c	Resolute eP 21 35 21 ePP 21 36 56	Halifax iP 00 22 22 d? eL 00 40
Resolute iP 20 24 23 iPPP 20 26 17 iPcP 20 26 36 eS 20 30 07 eL 20 37 47	e 21 40 42 eScS 21 45 32	Horseshoe Bay iP 00 17 36.9 d
Saskatoon eL 20 37	Schefferville eP 21 37 51 d	Kirkland Lake iP 00 21 04 d eS 00 27 29
Schefferville iP 20 26 53 c	i 21 37 56 i 21 38 05	Ottawa iP 00 21 34 d PP 00 23 30 PPP 00 24 19 S 00 28 25 e 00 29 03 SS 00 32 00 e 00 35 52 L 00 38 44
Shawinigan Falls eP 20 27 13 d	Shawinigan Falls iP 21 38 11 d	Resolute iP 00 18 45 d e 00 23 39 ePcP 00 25 33 eScS 00 29 40
Victoria eP 20 23 23	Victoria iP 21 34 23 d	Saskatoon e 00 24.2
APRIL 2 U.S.C.G.S. 51N, 173 1/2W	APRIL 2 Horseshoe Bay iP 21 46 44.0 c? iS 21 46 56.6	
Andreanof Islands, Aleutian Islands H = 20 39 04	Local shock	
APRIL 2 U.S.C.G.S. 51N, 173 1/2W	APRIL 3 Schefferville iP 01 46 34 d	

## SEISMOLOGICAL BULLETIN - 1957

Schefferville eP 00 21 15.5 d iP 00 21 16 c i 00 36 38	Banff eP 07 01 49	APRIL 4 U.S.C.G.S. 52 1/2N, 170 1/2W
Seven Falls eP 00 21 43 S 00 28 34 SS 00 32 20 e 00 36 05	Horseshoe Bay eP 07 01 25	Fox Islands, Aleutian Islands H = 14 43 49
Shawinigan Falls eP 00 21 39 PP 00 23 34	Kirkland Lake eP 07 03 51	Banff eP 14 50 21
Victoria iP 00 17 42 d e(S) 00 21 43 eL 00 22 55	Ottawa iP 07 04 12 c	Kirkland Lake eP 14 53 12
APRIL 4 U.S.C.G.S. 53N, 166W	Resolute eP 07 00 52 iP 07 01 09 c eL 07 18 41	Ottawa eP 14 53 39 d PP 14 55 50
Fox Islands, Aleutian Islands H = 01 29 42	Schefferville eP 07 03 42 iP 07 03 42.5 d	Resolute eP 14 50 53
Resolute eP 01 36 43	Shawinigan Falls iP 07 04 13 c	Schefferville eP 14 53 28 iP 14 53 28.5 d
APRIL 4 Banff eP 02 23 56	Victoria eP 07 01 29	Shawinigan Falls eP 14 53 49
Horseshoe Bay eP 02 23 26	APRIL 4 U.S.C.G.S. Southern Mendoza Province, Argentina H = 11 00 20	Victoria eP 14 49 52
Schefferville eP 02 27 08 c	Banff eP 11 13 53	APRIL 4 Banff eP 14 53 05
Victoria eP 02 22 29	Horseshoe Bay eP 11 14 01	Ottawa iPn 20 00 27 Sn 20 00 44 L 20 00 52 d = 150 km
APRIL 4 Banff eP 05 13 48	Kirkland Lake eP 11 13 04 d	
APRIL 4 U.S.C.G.S. 48N, 155E	Ottawa eP 11 12 48 d pP 11 13 13 S 11 22 50	APRIL 5 U.S.C.G.S. 52N, 172 1/2W
Northern Kurile Islands H = 06 52 18	Schefferville eP 11 13 36 c	Fox Islands, Aleutian Islands H = 02 49 39 Mag. = 6 1/2
	Shawinigan Falls eP 11 13 25 d pP 11 13 50	Banff iP 02 56 30 c
	Victoria eP 11 14 00	Halifax iP 03 00 27 eL 03 18.6
		Horseshoe Bay eP 02 55 58 ePcP 02 59 00 eS 03 00 58



## DOMINION OBSERVATORIES

Kirkland Lake	Resolute	Resolute
eP 02 59 18 d	eP' 07 48 53 c	iP 16 22 35 c
eS 03 07 00	ipPP 07 50 07	Schefferville
Ottawa	eSP 07 59 19	eP (16 20 55.5) c
iP 02 59 45 d	ePS 07 59 42	i (16 20 56) d
Resolute	Shawinigan Falls	i (16 21 10)
iP 02 56 56 d	eP' 07 49 31 d	i (16 21 17.5)
ePP 02 58 22	Victoria	Seven Falls
eS 03 02 59	iP 07 43 12 c	eP 16 19 29
eL 03 14 09	e 07 43 37 c	Shawinigan Falls
Saskatoon	eS 07 53 36	eP 16 19 18 c
eP 02 57 08		Victoria
eS 03 03 07		iP 16 20 42
Schefferville	APRIL 5	i 16 20 57
eP 02 59 37 c	U.S.C.G.S.	
iP 02 59 37.5 d	45N, 148E	
Seven Falls	Kurile Islands	APRIL 5
eP 02 59 53	H = 15 04 09	Banff
Shawinigan Falls	Ottawa	eP 22 09 46
eP 02 59 48	eP 15 16 31	
Victoria	Resolute	APRIL 5
eP 02 56 00 c	iP 15 13 34 d	Banff
eS 03 01 07	Schefferville	eP 23 28 32
eL 03 04.1	eP (15 16 24) c?	
APRIL 5	APRIL 5	APRIL 6
Banff	U.S.C.G.S.	Ottawa
eP 07 18 55	12 1/2N, 88E	iP <sub>n</sub> 11 14 36.0
	Near coast of	iP <sub>1</sub> 11 14 37.5
	Nicaragua	iS <sub>n</sub> 11 14 56.0
APRIL 5	H = 16 12 20	iS <sub>1</sub> 11 15 00.0
U.S.C.G.S.	h = 100 km	iS <sub>1</sub> S <sub>1</sub> 11 15 01.5
26 1/2S, 177W	Banff	D = 185 km
Kermadec Islands region	iP 16 20 28 c	
H = 07 30 22	Halifax	APRIL 6
h = 100 km	eP 16 19 35 c?	Alberni
Mag. - 6 3/4	i 16 19 35.5 d	iP 11 18 42
Banff	i 16 19 47	iS 11 18 51
eP 07 43 38	Horseshoe Bay	eP 11 18 54.5
e 07 44 02	iP 16 20 45 c	eS 11 19 12.0
Horseshoe Bay	Kirkland Lake	Victoria
iP 07 43 15 c	eP 16 19 17 c	eP 11 18 48.2
Kirkland Lake	Ottawa	eS 11 19 01.8
eP' 07 50 15 d	eP 16 19 03	
Ottawa	epP 16 19 21	
iP' 07 49 29 d	esP 16 19 45	
ePP 07 50 29	ePP 16 20 20	
ePS 08 00 04	ePPP 16 20 31	

## SEISMOLOGICAL BULLETIN - 1957

APRIL 7	APRIL 8	Kirkland Lake
Banff	U.S.C.G.S.	eP 20 25 47 c
eP 00 33 58	Andreanof Islands,	eS 20 31 47
	Aleutian Islands	Ottawa
	H = 00 06 37	iP 20 25 25 c
APRIL 7	Banff	ipP 20 25 48
U.S.C.G.S.	eP 00 13 44	eP <sub>c</sub> P 20 27 42
53N, 167W	Horseshoe Bay	eS 20 31 14
Fox Islands,	eP 00 13 18	esS 20 31 50
Aleutian Islands	Kirkland Lake	eL 20 34 06
H = 08 03 46	eP 00 16 27	Resolute
Banff	Ottawa	iP 20 29 00 c
eP 08 10 08	iP 00 16 53 d	eS 20 37 51
Halifax	Shawinigan Falls	eL 20 53.3
eL 08 35	eP 00 16 58	Shawinigan Falls
		iP 20 25 39 d
APRIL 7	APRIL 8	eP <sub>c</sub> P 20 27 47
U.S.C.G.S.	Victoria	Victoria
1S, 137 1/2E	eP 00 55 36	eP 20 27 25
Near north coast		eL 20 51.1
of New Guinea		
H = 10 14 08	APRIL 8	APRIL 8
Halifax	U.S.C.G.S.	U.S.C.G.S.
eL 11 19	Andreanof Islands,	Andreanof Islands,
Ottawa	Aleutian Islands	Aleutian Islands
eP' 10 33 22	H = 01 12 10	H = 20 43 10
Saskatoon	Victoria	Victoria
e 10 39 53	eP 01 19 19	eP 20 49 55
Seven Falls		
eSKKS 10 42 13	APRIL 8	APRIL 8
ePPS 10 47 00	Resolute	Horseshoe Bay
e 10 49 32	e(P) 12 56 32	eP 23 32 48
eSS 10 52 30		Victoria
Shawinigan Falls		eP 23 32 50
eP' 10 33 20 d	APRIL 8	
Victoria	U.S.C.G.S.	
e 10 38 20	8 1/2N, 83W	APRIL 9
e 10 40 22	Panama - Costa	U.S.C.G.S.
eL 10 59	Rica border	30 1/2N, 138 1/2E
	H = 20 18 09	Off south coast of
APRIL 7	Banff	Honshu, Japan
U.S.C.G.S.	eP 20 27 08 c	H = 00 24 39
Andreanof Islands,	Halifax	h = 450 km
Aleutian Islands	e 20 28 34	Horseshoe Bay
H = 13 13 10	iS 20 31 53 N	iP 00 35 23 C, S, E
Victoria	Horseshoe Bay	i 00 35 25
eP 13 20 12	eP 20 27 28	eS 00 43 44
		e 00 44 14



DOMINION OBSERVATORIES

SEISMOLOGICAL BULLETIN - 1957

Kirkland Lake  
 eP 00 37 15 c  
 Ottawa  
 iP 00 37 30 d  
 epP 00 39 13  
 iPP 00 41 38  
 eSKS 00 47 24  
 ePS 00 50 38  
 eSPS 00 52 34  
 Resolute  
 iP 00 35 04 c  
 epP 00 36 37  
 ePP 00 37 29  
 ePPP 00 39 31  
 iS 00 43 37  
 eScS 00 44 25  
 Shawinigan Falls  
 eP 00 37 31 d  
 epP 00 39 27  
 e 00 40 42  
 ePP 00 41 34  
 e 00 42 32  
 eSKS 00 47 24  
 Victoria  
 iP 00 35 24 C,S,E  
 i 00 35 27 C,S,E  
 epP 00 37 03  
 iPP 00 38 50  
 iS 00 44 18 N,E  
 APRIL 9  
 U.S.C.G.S.  
 22 1/2N, 144 1/2E  
 Mariana Island region  
 H = 02 17 06  
 Banff  
 eP 02 29 08 d  
 Horseshoe Bay  
 eP 02 28 46 d  
 Resolute  
 iP 02 28 54 d  
 Victoria  
 iP 02 28 46 d  
 APRIL 9  
 Banff  
 eP 03 30 37

APRIL 9  
 U.S.C.G.S.  
 53N, 167W  
 Fox Islands,  
 Aleutian Islands  
 H = 07 39 40  
 Ottawa  
 eP 07 49 33  
 Victoria  
 eP 07 45 20  
 APRIL 9  
 Banff  
 eP 10 05 49  
 Horseshoe Bay  
 eP 10 06 19  
 Victoria  
 eP 10 06 21 c  
 i 10 06 31 c  
 APRIL 9  
 U.S.C.G.S.  
 30 1/2N, 138E  
 South of Honshu,  
 Japan  
 H = 10 35 34  
 h = 500 km  
 Banff  
 eP 10 46 32  
 Horseshoe Bay  
 eP 10 46 13  
 Resolute  
 iP 10 45 56 d  
 Victoria  
 eP 10 46 15  
 APRIL 9  
 U.S.C.G.S.  
 51 1/2N, 178 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 11 02 09  
 Alberni  
 eP 11 08 59  
 Banff  
 eP 11 09 36

Halifax  
 eP 11 13 20  
 eL 11 35.4  
 Horseshoe Bay  
 eP 11 09 05  
 eS 11 14 36  
 Kirkland Lake  
 eP 11 12 18  
 Ottawa  
 iP 11 12 41 c  
 Resolute  
 eP 11 09 47  
 ePP 11 11 21  
 ePCP 11 11 35  
 ePPP 11 11 43  
 eS 11 15 40  
 el 11 18.6  
 Saskatoon  
 eS 11 16 45  
 Schefferville  
 eP 11 12 23  
 i 11 12 32  
 i 11 13 09  
 Seven Falls  
 eS 11 21 43  
 eSS 11 25 40  
 Shawinigan Falls  
 eP 11 12 49  
 Victoria  
 iP 11 09 06  
 eS 11 14 43  
 eL 11 18.1  
 APRIL 9  
 Victoria  
 eP 11 19 33  
 APRIL 9  
 Horseshoe Bay  
 eP 12 35 52.4  
 eS 12 36 10.6  
 Victoria  
 iP 12 35 50.2  
 iS 12 36 07.4

APRIL 9  
 Banff  
 eP 12 59 19.7  
 e 12 59 30.2  
 e(S) 13 00 29  
 Horseshoe Bay  
 eP 12 59 18  
 Victoria  
 eP 12 59 14  
 e 13 08 53  
 Probably a local shock  
 APRIL 9  
 Banff  
 eP 14 19 06  
 Horseshoe Bay  
 eP 14 18 36  
 Victoria  
 eP 14 18 38 d  
 APRIL 9  
 Horseshoe Bay  
 eP 14 35 50  
 Victoria  
 eP 14 35 52  
 APRIL 9  
 U.S.C.G.S.  
 Andreanof Islands,  
 Aleutian Islands  
 H = 17 40 13  
 Horseshoe Bay  
 eP 17 47 09  
 Victoria  
 eP 17 47 12 c  
 APRIL 9  
 Ottawa  
 iPn 19 04 05  
 eSn 19 04 22  
 eL 19 04 30  
 D = 150 km

APRIL 9  
 Ottawa  
 iPn 20 14 46  
 iSn 20 15 18  
 eL 20 15 41  
 D = 325 km  
 Shawinigan Falls  
 e 20 15 02  
 APRIL 9  
 Victoria  
 eP 20 25 12  
 APRIL 9  
 U.S.C.G.S.  
 52 1/2N, 169W  
 Fox Islands,  
 Aleutian Islands  
 H = 20 23 56  
 Banff  
 eP 20 30 25  
 Halifax  
 eL 20 56.6  
 Horseshoe Bay  
 eP 20 29 56  
 eS 20 34 47  
 Kirkland Lake  
 eP 20 33 19  
 e 20 33 32  
 Ottawa  
 eP 20 33 47 d  
 Resolute  
 iP 20 31 01 d  
 e 20 33 39  
 eL 20 38.5  
 Schefferville  
 eP 20 33 34 (d)  
 Shawinigan Falls  
 eP 20 33 53  
 Victoria  
 eP 20 29 59  
 e 20 33 05  
 e 20 34 52  
 e 20 36 21

APRIL 9  
 Alberni  
 eP 22 16 50.5  
 Horseshoe Bay  
 iP 22 16 35.1  
 Local shock  
 APRIL 9  
 U.S.C.G.S.  
 Andreanof Islands,  
 Aleutian Islands  
 H = 22 33 56  
 Schefferville  
 eP 22 44 01  
 Victoria  
 eP 22 40 36  
 APRIL 9  
 U.S.C.G.S.  
 Andreanof Islands,  
 Aleutian Islands  
 H = 22 49 47  
 Victoria  
 eP 22 56 34 d  
 APRIL 10  
 Victoria  
 eP 00 33 41  
 APRIL 10  
 U.S.C.G.S.  
 53N, 168W  
 Fox Islands,  
 Aleutian Islands  
 H = 03 25 20  
 Banff  
 iP 03 31 45 d  
 e 03 34 36  
 Halifax  
 eL 03 56.4  
 Horseshoe Bay  
 eP 03 31 11  
 i 03 34 27  
 Kirkland Lake  
 eP 03 34 38 d



DOMINION OBSERVATORIES

Ottawa iP 03 35 05 d Resolute iP 03 32 16 c iP <sub>C</sub> P 03 34 47 iS 03 38 30 eL 03 40 37 Schefferville iP 03 34 49.5 c e 03 36 08 Shawinigan Falls iP 03 35 10 d eP <sub>C</sub> P 03 36 04 ePP 03 37 16 Victoria eP 03 31 15 eL 03 38.4	Saskatoon iP 05 20 23 eS 05 26 08 eL 05 33.0 Seven Falls eP 05 19 36 eS 05 25 33 eSS 05 28 20 eS <sub>C</sub> S 05 30 58 Schefferville eP 05 20 34 c e 05 22 10 Shawinigan Falls iP 05 19 24 c i 05 20 17 ePP 05 20 44 Victoria iP 05 19 36 d i 05 21 12 eS 05 25 38 N,E eL 05 30.2	APRIL 10 Resolute e 08 07 13  APRIL 10 U. S. C. G. S. 51N, 177W Andreanof Islands, Aleutian Islands H = 09 09 18 Banff iP 09 16 36 d Horseshoe Bay eP 09 16 05 d e 09 18 43 Kirkland Lake eP 09 19 20 d i 09 19 21 c Ottawa eP 09 19 45 d eP <sub>C</sub> P 09 20 25 Resolute iP 09 16 57 c ePP 09 18 36 e 09 37 35 Seven Falls eS 09 28 30 Schefferville iP 09 19 30 c e 09 19 41 Shawinigan Falls eP 09 19 50 d Victoria eP 09 16 07 d  APRIL 10 U. S. C. G. S. 56N, 154W Kodiak Island region H = 11 29 58 Alberni eP 11 34 20 Banff eP 11 35 05 d? Halifax eP 11 39 31 eS 11 47.2
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SEISMOLOGICAL BULLETIN - 1957

Horseshoe Bay eP 11 34 28 iS 11 38 11 Kirkland Lake eP 11 38 11 d eS 11 44 42 NE Ottawa eP 11 38 41 d i 11 39 30 eP <sub>C</sub> P 11 40 16 PP 11 40 45 eS 11 45 40 eS <sub>C</sub> S 11 48 34 eSS 11 49 12 eSSS 11 50 48 Resolute iP 11 36 01 c eP <sub>C</sub> P 11 38 14 eS 11 40 47 Saskatoon eP 11 36 32 eS 11 40 31 Seven Falls eP 11 38 53 i 11 39 45 PP 11 41 01 e 11 42 42 eS 11 45 54 eS <sub>C</sub> S 11 48 42 eSS 11 49 42 eSSS 11 52 05 eL 11 54 01 Schefferville eP 11 38 27 i 11 38 33 i 11 38 54 Shawinigan Falls eP 11 38 46 d eP <sub>C</sub> P 11 40 20 ePP 11 40 52 Victoria eP 11 34 30 d e 11 34 35 e 11 35 11 iS 11 38 16 SW	APRIL 10 Victoria eP 12 59 43  APRIL 10 Resolute eP 13 01 10  APRIL 10 U. S. C. G. S. 51 1/2N, 176 1/2W Andreanof Islands, Aleutian Islands H = 13 20 14 Banff eP 13 27 26 c Horseshoe Bay eP 13 26 56 Resolute eP 13 27 41 Schefferville eP 13 30 16 d Victoria eP 13 26 58  APRIL 10 Banff eP 13 48 34 Resolute eP 13 49 40  APRIL 10 U. S. C. G. S. 15S, 173W Samoa Islands H = 13 43 43 Resolute eP 13 57 36  APRIL 10 Banff eP 14 01 21	APRIL 10 Horseshoe Bay eP 15 17 07 Victoria eP 15 17 02  APRIL 10 Horseshoe Bay eP 17 46 41 Resolute eP 17 44 06 Victoria eP 17 46 38  APRIL 10 Resolute eP 20 26 08  APRIL 11 Resolute e 02 01 22  APRIL 11 Banff eP 03 44 55.0 eS 03 45 18.5  APRIL 11 Resolute eP 07 05 40 e 07 18 06  APRIL 11 U. S. C. G. S. 52 1/2N, 169 1/2W Fox Islands, Aleutian Islands H = 16 12 08 Banff eP 16 18 41 Ottawa eP 16 22 16
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## DOMINION OBSERVATORIES

Schefferville eP 16 21 49	APRIL 12 U.S.C.G.S. 51 1/2N, 176W	APRIL 13 U.S.C.G.S. 48 1/2N, 128W
Shawinigan Falls eP 16 22 17 c	Andreanof Islands, Aleutian Islands H = 06 49 11	Off coast of Vancouver Island, British Columbia H = 03 44 00
APRIL 11 U.S.C.G.S. 52N, 168 1/2W	Victoria eP 06 55 55 d	Alberni iP 03 44 44.5 d
Fox Islands, Aleutian Islands H = 17 40 37	APRIL 12 Schefferville eP 11 01 47	i 03 44 46.1
Ottawa eP 17 50 29	APRIL 12 U.S.C.G.S. Andreanof Islands Aleutian Islands H = 13 03 45	iS 03 45 18.4
Schefferville eP 17 50 12	Banff eP 13 10 40 c	iS 03 45 19.1
Shawinigan Falls eP 17 50 31	Horseshoe Bay eP 13 10 09	Banff iP 03 46 12.3
APRIL 11 Alberni iP 21 21 01.9	Resolute eP 13 10 56	iS 03 48 27.5
Horseshoe Bay iP 21 20 56.1 c	Victoria eP 13 10 11 c	Halifax eS 03 58 45
Local shock	APRIL 12 U.S.C.G.S. 51 1/2N, 178 1/2W	iScS 04 01 55 N
APRIL 12 U.S.C.G.S. 51 1/2N, 178 1/2W	Andreanof Islands, Aleutian Islands H = 04 17 45	eL 04 05.8
Banff eP 04 25 08	Banff eP 14 33 24	Horseshoe Bay iP 03 44 58.7 c
Horseshoe Bay eP 04 24 39 c	APRIL 13 Alberni iP 02 37 19.7	iS 03 45 43.2
Ottawa eP 04 28 13 c	APRIL 13 U.S.C.G.S. 6 1/2N, 126 1/2E	iL 03 46 08
ePcP 04 28 51	Mindanao, P.I. H = 06 30 08	Kirkland Lake eP 03 50 29 c?
Resolute eP 04 25 18	Kirkland Lake eP' 06 49 21	Ottawa iP 03 51 01 d
Shawinigan Falls eP 04 28 16	Ottawa eP' 06 49 11 c	ePP 03 52 19
ePcP 04 28 57	i 06 49 28	eS 03 56 44
Victoria iP 04 24 41 d	Resolute iP 06 43 33 c	eSS 03 59 12
	Shawinigan Falls iP' 06 49 10 c	eL 04 02 14
	APRIL 13 U.S.C.G.S. 52 1/2N, 168 1/2W	Resolute iP 03 50 11 d
	Fox Islands, Aleutian Islands H = 07 59 23	eS 03 55 03
	Schefferville eP 08 08 58.5	eL 03 57.1
		Saskatoon eP 03 47 32
		eS 03 50 36
		eL 03 51.6
		Seven Falls eP 03 51 21
		ePP 03 52 49
		eS 03 57 21
		eSS 04 00 06
		eScS 04 01 37
		eL 04 03 32
		Schefferville eP 03 51 21.5 c

## SEISMOLOGICAL BULLETIN - 1957

Shawinigan Falls eP 03 51 13	APRIL 13 U.S.C.G.S. 5N, 126 1/2E	Halifax i(S) 07 36 17 S?
ePP 03 52 42	Mindanao, P.I. H = 10 10 48	eSS 07 42 54
Victoria iP 03 44 54.9 c	Kirkland Lake eP' 10 29 58	eL 08 02 44
iS 03 45 36.5	Ottawa ePP 07 30 05	Kirkland Lake e(P) 07 30 00
APRIL 13 U.S.C.G.S. 52 1/2N, 168 1/2W	IP' 10 29 53 c	Ottawa ePP 07 30 05
Fox Islands, Aleutian Islands H = 05 13 32	Resolute iP 10 24 30 c	eSKS 07 36 36
Ottawa eP 05 23 25	Schefferville eP' 10 29 44	eS 07 37 34
Resolute eP 05 20 34	e 10 30 14	e 07 43 15
eS 05 26 27	Shawinigan Falls eP' 10 29 53	eSSS 07 49 06
eL 05 36 39	i 10 30 51	Resolute iP 07 23 35 d
Shawinigan Falls eP 05 23 30	ePP 10 31 26	e 07 24 34
APRIL 13 U.S.C.G.S. 6 1/2N, 126 1/2E	APRIL 13 Ottawa e(P) 13 22 33	eL 07 47.0
Mindanao, P.I. H = 06 30 08		Seven Falls eSKS 07 36 16
Kirkland Lake eP' 06 49 21		eS 07 37 16
Ottawa eP' 06 49 11 c		Victoria eS 07 36 12
i 06 49 28		eL 08 01.1
Resolute iP 06 43 33 c		APRIL 14 U.S.C.G.S. 20N, 73W
Shawinigan Falls iP' 06 49 10 c		Windward Passage H = 08 24 51
APRIL 13 U.S.C.G.S. 52 1/2N, 168 1/2W		Kirkland Lake eP 08 30 54
Fox Islands, Aleutian Islands H = 07 59 23		Ottawa iP 08 30 23 c
Schefferville eP 08 08 58.5		epP 08 30 40
		ePP 08 31 06
		ePPP 08 31 33
		Resolute iP 08 34 30 d
		Schefferville eP 08 31 50
		Shawinigan Falls eP 08 30 33
		APRIL 14 Ottawa iP 12 50 38 c
		Shawinigan Falls iP 12 50 40



## DOMINION OBSERVATORIES

APRIL 14	Saskatoon	Halifax
Resolute	iP 19 30 59	iP 21 10 13 d
iP 16 48 33 d	iS 19 41 19	Horseshoe Bay
	i 19 43 49	iP 21 05 57 d
	i 19 47 31	i 21 08 28
APRIL 14	eL 19 57.8	Kirkland Lake
U.S.C.G.S.	Seven Falls	eP 21 09 08 d,N,W
15 1/2S, 173W	eP 19 32 33	eP'P' 21 38 48 c
Samoa Islands	ePP 19 37 03	Ottawa
H = 19 17 57	e 19 38 18	eP 21 09 34 d
Alberni	eSKS 19 43 10	eP <sub>C</sub> P 21 10 10
eP 19 29 57	eSKKS 19 44 06	ePP 21 11 48
Banff	iS 19 44 47	Resolute
iP 19 30 28 d	ePS 19 46 25	iP 21 06 42 c
Halifax	ePPS 19 47 55	i(PPP) 21 08 41
iPP 19 37 36 c?	eSS 19 52 29	Schefferville
iSKS 19 43 30 W	eSSS 19 55 29	iP 21 09 18 d
e(S) 19 45 25	eL 20 05 24	Shawinigan Falls
ePS 19 47 16	Schefferville	eP 21 09 37 d
Horseshoe Bay	eP (19 31 17) (d)	eP <sub>C</sub> P 21 10 13
iP 19 30 01 d	Shawinigan Falls	Victoria
iS 19 39 55 NE	eP 19 32 25 c	iP 21 05 59 d
iS <sub>C</sub> S 19 40 32	e 19 35 53	i 21 08 27
iSS 19 45 00	ePP 19 36 51	
Kirkland Lake	ePS 19 46 20	APRIL 15
eP 19 32 04 S	ePKKP 19 47 55	U.S.C.G.S.
e 19 36 17	Victoria	51 1/2N, 179W
e 19 36 46	iP 19 29 58 d	Andreanof Islands,
e(SKS) 19 42 37	i 19 30 06	Aleutian Islands
Ottawa	ePP 19 32 47	H = 10 38 37
eP 19 32 15 c	iS 19 39 49 d,N,E	Alberni
e 19 35 32	i(S <sub>C</sub> S) 19 40 25	eP 10 45 26
e 19 36 20	i 19 40 56	Banff
ePP 19 36 35	e(SS) 19 44 49	eP 10 46 02 c?
ePPP 19 38 35	eL 19 49.7	Halifax
eSKS 19 42 56		eP 10 49 41 c?
eS 19 44 12	APRIL 14	eL 11 13.7
ePS 19 46 00	Banff	Horseshoe Bay
ePPS 19 47 00	eP 20 21 18	iP 10 45 32 d?
iPKKP 19 48 04 c		Kirkland Lake
eSS 19 51 20	APRIL 14	eP 10 48 41 c?
e 19 52 00	U.S.C.G.S.	Ottawa
eSSS 19 55 20	50 1/2N, 179W	eP 10 49 04 d
eL 19 59 10	Andreanof Islands,	eP <sub>C</sub> P 10 49 45
e 20 07 40	Aleutian Islands	ePP 10 51 43
Resolute	H = 20 59 00	
eP 19 31 52 d	Banff	
i 19 31 53 c	iP 21 06 29 d	
eL 20 04.1	e 21 08 49	

## SEISMOLOGICAL BULLETIN - 1957

Resolute	APRIL 15	Halifax
iP 10 46 11 c	U.S.C.G.S.	iP' 04 22 21 c
e 10 46 42	52 1/2N, 167W	epP' 04 24 45
ePP 10 47 50	Fox Islands,	iSKP 04 25 10 d
iS 10 52 16	Aleutian Islands	esP' 04 25 56
e 10 55 25	H = 21 33 05	iPKS 04 26 06 SW
eS <sub>C</sub> S 10 56 13	Alberni	ipPKS 04 28 19 NE
eL 11 00 43	eP 21 38 48	Horseshoe Bay
Seven Falls	Banff	iP' 04 21 50 c?,d
eP 10 49 14	eP 21 39 29.7 d	e 04 24 04
Schefferville	i 21 39 51 c	i 04 24 30
eP (10 49 48)	e 21 42 21	i 04 27 51
i (10 49 48.5) c	Halifax	i 04 29 14
i (10 49 51.5) d	iP 21 43 35 d?	Kirkland Lake
i (10 50 02.5)	iP <sub>C</sub> P 21 43 49 c	epP 04 22 11 c?
Shawinigan Falls	Horseshoe Bay	eP' 04 22 22 c
iP 10 49 10 d	iP 21 38 56 d?	i 04 22 24 d
eP <sub>C</sub> P 10 49 51	i 21 39 23	ipP' 04 24 40 c
Victoria	Kirkland Lake	iSKP 04 25 00 c
eP 10 45 35 c	iP 21 42 21 d	i 04 25 08 c
e(S) 10 51 06	Ottawa	iPKS 04 25 56 SW
	iP 21 42 50 d	ipPKS 04 28 10 NE
APRIL 15	Resolute	esPKS 04 29 11 N
U.S.C.G.S.	iP 21 40 09 d	eSKKP 04 33 59
51 1/2N, 179W	iP <sub>C</sub> P 21 42 34	e 04 34 04
Andreanof Islands,	e 21 43 16	Ottawa
Aleutian Islands	eS 21 54 45	iP' 04 22 19 c
H = 18 21 33	eS <sub>C</sub> S 21 50 44	i 04 22 30
Resolute	eL 21 52.6	epP' 04 24 45
iP 18 20 09	Schefferville	eSKP 04 25 09
iS 18 25 58	iP (21 43 38) d	ePP 04 25 29
Schefferville	Shawinigan Falls	ePKS 04 26 08
iP 18 23 47 d	iP 21 42 54 d	epPP 04 27 18
	eP <sub>C</sub> P 21 43 48	epPKS 04 28 16
	ePP 21 45 06	ePPP 04 28 33
	Victoria	esPKS 04 29 17
	iP 21 38 57 d	epPPP 04 30 17
APRIL 15		e 04 31 07
U.S.C.G.S.		eSKP 04 34 21
51 1/2N, 176W	APRIL 16	eSPP 04 36 42
Andreanof Islands,	U.S.C.G.S.	esPS 04 38 40
Aleutian Islands	4 1/2S, 107 1/2E	e 04 39 40
H = 19 53 39	Western Java Sea	e 04 40 40
Banff	H = 04 04 04	eSS 04 42 00
eP 20 00 51	h = 600 km	
Resolute	Banff	
eP 20 01 05	iP' 04 21 55 d	
Schefferville	e 04 22 12	
eP 20 23 36 d	e 04 24 11	



## DOMINION OBSERVATORIES

Resolute	APRIL 16	APRIL 17
iP 04 17 29 d	Schefferville	U.S.C.G.S.
ipP 04 19 37	eP 18 00 16	20S, 176W
i(P') 04 21 29		Tonga Islands
ePP 04 22 09	APRIL 16	H = 08 07 58
epPP 04 23 53	U.S.C.G.S.	h = 250 km
esPP 04 25 08	Southern Bolivia	Banff
eSKS 04 27 13	H = 18 17 05	iP 08 20 35 d
eS 04 28 42	Banff	e 08 21 18
eSP 04 30 30	eP 18 29 34 d	Ottawa
Saskatoon	Halifax	ePP 08 27 34
eP' 04 22 00	iP 18 27 51	ePKKP 08 37 23
Seven Falls	Horseshoe Bay	Victoria
eP' 04 22 21	eP 18 29 48 d	iP 08 20 08 d
eSKP 04 25 06	Kirkland Lake	APRIL 17
ePP 04 25 23	eP 18 28 19 d	U.S.C.G.S.
epPKS 04 28 14	e 18 29 09	52 1/2N, 171W
ePPP 04 28 30	Schefferville	Fox Islands,
i 04 29 26	eP 18 26 53 d	Aleutian Islands
epPPP 04 30 22	i 18 26 53.5 c	H = 09 27 54
e 04 31 40	Victoria	Banff
e 04 32 50	eP 18 29 46 d	eP 09 34 38 c?
ePS 04 35 44	APRIL 17	e 09 37 17
esPS 04 38 37	Victoria	e 09 40 58
eSS 04 42 05	eP 00 01 25.4	Halifax
i 04 42 44	iS 00 01 33.6	eL 09 57
SSS 04 48 02	APRIL 17	Horseshoe Bay
Schefferville	U.S.C.G.S.	eP 09 34 06
epP 04 22 00	56N, 154W	eS 09 39 02
iP' 04 22 13 d	Kodiak Island region	Kirkland Lake
i 04 24 28	H = 04 35 47	eP 09 37 25 c
ipP' 04 24 40	Kirkland Lake	i 09 37 26 d
i 04 27 37	eP 04 43 58	Ottawa
Shawinigan Falls	Ottawa	eP 09 37 53 c
iP' 04 22 17 c	eP 04 44 28	Resolute
epP' 04 24 36	Resolute	iP 09 35 05 d
eSKP 04 25 07	eP 04 41 50	iS 09 41 00
ePP 04 25 31	eL 04 52.2	e 09 43 46
ePKS 04 26 02	Schefferville	eL 09 48.0
epPKS 04 28 15	eP (04 44 17) d	Seven Falls
esPKS 04 29 16		eP 09 38 02
eSKKP 04 33 50		eS 09 46 07
Victoria		Schefferville
iP' 04 21 46 d		eP 09 38 38
ipP' 04 24 06 d?		e 09 39 15
i(PP) 04 24 29		Shawinigan Falls
iS 04 27 52		eP 09 37 58
i 04 29 16		
i 04 32 13		
i 04 35 48		

## SEISMOLOGICAL BULLETIN - 1957

Victoria	Ottawa	Shawinigan Falls
eP 09 34 06	eP 15 17 03 c	eP 18 16 28 c
eS 09 39 06	Resolute	epP 18 16 53
eL 09 41.1	eP 15 14 06 c	esP 18 17 10
	eS 15 20 08	ePP 18 17 54
	Schefferville	esPP 18 18 16
	eP 15 18 36	eP <sub>C</sub> P 18 18 55
	i 15 18 48	Victoria
	Shawinigan Falls	iP 18 17 23 c
	eP 15 17 07 c	eS 18 23 45
		eL 18 34.0
APRIL 17	APRIL 17	APRIL 18
U.S.C.G.S.	U.S.C.G.S.	U.S.C.G.S.
52 1/2N, 169W	14 1/2N, 92W	52N, 171W
Fox Islands,	Mexico - Guatemala	Fox Islands,
Aleutian Islands	border	Aleutian Islands
H = 13 24 58	H = 18 09 26	H = 00 16 17
Banff	Halifax	Banff
eP 13 31 28	eL 18 23	eP 00 23 05
Halifax	Horseshoe Bay	Kirkland Lake
eL 13 55	iP 18 17 26 c?	eP 00 25 49
Horseshoe Bay	eS 18 23 57	Ottawa
eP 13 30 56	eL 18 35.0	eP 00 26 17
eS 13 36 43	Kirkland Lake	Resolute
Kirkland Lake	eP 18 16 21	eP 00 23 28
eP 13 34 19 c	Ottawa	eS 00 29 03
e 13 34 20 d	eP 18 16 10 c	e 00 35 18
Ottawa	epP 18 16 29	eL 00 38 15
eP 13 34 48 d	esP 18 16 45	Schefferville
Resolute	ePP 18 17 30	eP 00 28 02
eP 13 32 00 c	eP <sub>C</sub> P 18 18 49	Shawinigan Falls
Saskatoon	Resolute	eP 00 26 22
e 13 37 52	eP 18 19 34 d	
Seven Falls	eS 18 27 43	APRIL 18
eP 13 34 57	eL 18 33.0	U.S.C.G.S.
Schefferville	Seven Falls	52N, 176 1/2W
eP 13 36 34	eS 18 22 48	Andreanof Islands,
e 13 36 50	e 18 25 07	Aleutian Islands
Shawinigan Falls	eSS 18 25 45	H = 07 00 03
eP 13 34 53	eSSS 18 26 22	Banff
Victoria	eL 18 29 19	eP 07 07 14 c
eP 13 30 57	Schefferville	e 07 09 36
eS 13 35 46	e(PP) 18 19 42	Horseshoe Bay
eL 13 37.3	e 18 21 24	eP 07 06 43
APRIL 17		e(P <sub>C</sub> P) 07 09 25
U.S.C.G.S.		
54N, 164W		
South of Unimak		
Islands		
H = 15 07 24		
Kirkland Lake		
e(P) 15 16 21		
e 15 16 34		



SEISMOLOGICAL BULLETIN - 1957

Kirkland Lake H = 15 44 53  
 eP 07 09 56  
 Ottawa iP 07 10 22 d  
 Resolute eP 07 07 31 d  
 eS 07 13 28  
 eL 07 21.7  
 Schefferville eP (07 10 03)  
 Shawinigan Falls eP 07 10 26  
 Victoria eP 07 06 46

APRIL 18  
 Shawinigan Falls eP 08 13 51

APRIL 18  
 Banff eP 21 53 31.8 c  
 eS 21 53 55.1

APRIL 19  
 Shawinigan Falls eP 07 12 04

APRIL 19  
 U.S.C.G.S. 6 1/2S, 155 1/2E  
 Solomon Islands H = 08 39 37  
 Halifax iP' 08 58 50  
 Ottawa eP' 08 58 33  
 Shawinigan Falls eP' 08 58 35

APRIL 19  
 U.S.C.G.S. 51 1/2N, 168 1/2W  
 Fox Islands,  
 Aleutian Islands

Alberni eP 15 50 44  
 Banff iP 15 51 24 d  
 Halifax iP 15 55 30 d  
 eS 16 04 07  
 eL 16 11 23  
 Horseshoe Bay eP 15 50 50 N,W  
 e 15 54 02  
 eS 15 55 38  
 eL 15 58.7  
 Kirkland Lake eP 15 54 18 d  
 Ottawa iP 15 54 46 d  
 eP<sub>C</sub>P 15 55 43  
 Resolute iP 15 52 05 d  
 eS 15 57 49  
 eS<sub>C</sub>S 16 02 17  
 e 16 05 52  
 Saskatoon eL 16 01  
 Seven Falls eP 15 54 55  
 ePPP 15 58 36  
 eS 16 03 02  
 eSS 16 07 17  
 eL 16 13 35  
 Schefferville iP (15 54 31) d  
 Shawinigan Falls iP 15 54 49 d  
 eP<sub>C</sub>P 15 55 55  
 Victoria iP 15 50 53 d  
 e 15 54 03  
 iS 15 55 43  
 eL 15 57.2

APRIL 19  
 Ottawa eP 16 24 34  
 Shawinigan Falls eP 16 24 26

APRIL 19  
 U.S.C.G.S. 52N, 166 1/2W  
 Fox Islands,  
 Aleutian Islands H = 22 19 26  
 Alberni eP 22 25 08  
 Banff iP 22 25 49 d  
 i 22 28 44  
 Halifax e(P) 22 29 55 c  
 iP 22 29 55 1/2 d  
 iP<sub>C</sub>P 22 30 34  
 iPP 22 32 15 d  
 eS 22 38 25  
 eSS 22 42 37  
 iP'P' 22 58 52 c  
 Horseshoe Bay iP 22 25 14 d  
 i(P<sub>C</sub>P) 22 28 35  
 iS 22 29 56  
 Kirkland Lake iP 22 28 42 d  
 iP<sub>C</sub>P 22 29 54 c  
 Ottawa iP 22 29 10 c  
 eP<sub>C</sub>P 22 30 09  
 ePP 22 31 21  
 ePPP 22 32 42  
 eS 22 37 00  
 eSS 22 40 40  
 eL 22 47 20  
 Resolute iP 22 26 29 d  
 iS 22 33 06  
 eL 22 39  
 Saskatoon eP 22 26 32  
 eS 22 32 06  
 eL 22 36.7  
 Seven Falls iP 22 29 20  
 epP 22 29 50  
 eP<sub>C</sub>P 22 30 23  
 ePP 22 31 31  
 ePPP 22 32 53  
 i 22 34 09

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eS 22 37 16  
 i 22 37 44  
 S<sub>C</sub>S 22 38 43  
 eSS 22 41 28  
 eG 22 43.7  
 Schefferville eP (22 28 55) c  
 i (22 28 55.5) d  
 Shawinigan Falls iP 22 29 14 d  
 eP<sub>C</sub>P 22 30 10  
 ePP 22 31 23  
 eS 22 36 04  
 Victoria iP 22 25 17 d  
 e 22 28 34  
 i(S) 22 29 07

APRIL 20  
 U.S.C.G.S. Solomon Islands  
 H = 00 09 10  
 Ottawa eP' 00 27 36

APRIL 20  
 U.S.C.G.S. 54 1/2S, 131 1/2W  
 South Pacific Ocean H = 06 48 04  
 Resolute eP' 07 07 23  
 e 07 27 17  
 e 07 40 20  
 eL 07 54.9

APRIL 20  
 Ottawa iP 08 54 11 c  
 Shawinigan Falls eP 08 54 15 c

APRIL 20  
 Resolute eP 11 01 56  
 e 11 06 15

APRIL 20  
 U.S.C.G.S. 6S, 147 1/2E  
 Near coast of New Guinea H = 12 30 37  
 Halifax eP' 12 49 57  
 eL 13 29.8  
 Horseshoe Bay eP 12 44 06  
 Kirkland Lake e(P') 12 49 38  
 Ottawa eP' 12 49 41  
 Resolute eP 12 44 50  
 eS 12 55 08  
 e(PS) 12 58 11  
 eL 13 04 10  
 Shawinigan Falls eP' 12 49 44  
 Victoria eP 12 43 57  
 eL 13 14

APRIL 20  
 Shawinigan Falls eP 14 21 55

APRIL 20  
 U.S.C.G.S. 52N, 168W  
 Fox Islands,  
 Aleutian Islands H = 17 54 20  
 Resolute eP 18 01 29 c

APRIL 20  
 Resolute e(P) 18 14 20

APRIL 20  
 U.S.C.G.S. 51N, 177W  
 Andreanof Islands,  
 Aleutian Islands H = 19 54 24  
 Banff eP 20 01 42  
 Resolute eS 20 15 35

APRIL 21  
 Shawinigan Falls iP 12 03 29 c

APRIL 21  
 U.S.C.G.S. 7N, 72W  
 Colombia - Venezuela border H = 21 12 26  
 Alberni eP 21 22 46  
 Banff eP 21 22 10 c  
 i 21 22 18

Halifax iP 21 19 49 c  
 i 21 19 54  
 iPP 21 21 19 N  
 iS 21 25 48 NW  
 eSS 21 28 07

Horseshoe Bay eP 21 22 33 c?  
 i 21 22 40  
 e(P<sub>C</sub>P) 21 23 06  
 iS 21 30 55  
 eS<sub>C</sub>S 21 32 24  
 eSS 21 36.2  
 Kirkland Lake eP 21 20 16  
 i 21 20 23 c  
 eS 21 26 35



## DOMINION OBSERVATORIES

Ottawa	Banff	APRIL 22
eP 21 19 49 d	iP 23 25 06 d	Halifax
esP 21 20 23	Ottawa	iP 14 45 44 d
e 21 20 54	eP 23 28 13	
ePP 21 21 25	Shawinigan Falls	APRIL 22
eP <sub>C</sub> P 21 21 38	eP 23 28 18	U.S.C.G.S.
eS 21 25 44	Victoria	Colombia - Venezuela
ePS 21 26 02	eP 23 24 37	aftershock
e 21 27 10		H = 15 37 20
eL 21 28.4		Banff
Resolute	APRIL 22	eP 15 47 07
iP 21 23 31 d	U.S.C.G.S.	Kirkland Lake
i 21 23 36	30 1/2N, 84 1/2E	eP 15 45 10
eS 21 32 36	Tibet	Victoria
eL 21 40.1	H = 01 42 15	eP 15 47 27 d
Saskatoon	Resolute	
e 21 29 21	iP 01 54 00 c	APRIL 23
Seven Falls		Shawinigan Falls
eP 21 20 11	APRIL 22	eP 07 45 43
esP 21 20 44	Horseshoe Bay	
e 21 21 15	eP 13 12 49	APRIL 23
ePPP 21 22 18	iS 13 13 12.2	U.S.C.G.S.
eS 21 26 11	Victoria	34 1/2N, 86 3/4W
ePS 21 26 29	eP 13 12 37.9	Northern Alabama
e 21 27 45	eS 13 12 51.1	H = 09 23 39
eG 21 29 01		Kirkland Lake
Shawinigan Falls	APRIL 22	eLg 09 31 33
eP 21 19 59 d	U.S.C.G.S.	Ottawa
esP 21 21 03	7N, 72W	eP 09 27 03
eP <sub>C</sub> P 21 21 59	Colombia - Venezuela	eS 09 29 26
Victoria	aftershock	i 09 30 29
eP 21 22 31 c	H = 13 43 14	e 09 30 58
i 21 22 37 c	Banff	Resolute
iS 21 31 03	eP 13 52 57	e 09 44 46
eS <sub>C</sub> S 21 32 27	Horseshoe Bay	Shawinigan Falls
eSS 21 37.0	iP 13 53 21 c	e(P) 09 27 34
eL 21 39.8	Kirkland Lake	e(S) 09 30 39
	eP 13 51 04	e 09 32 07
APRIL 21	Ottawa	
Resolute	eP 13 50 36	APRIL 23
iP 21 51 43	Shawinigan Falls	U.S.C.G.S.
	eP 13 50 45 d	27S, 68W
APRIL 21	Victoria	Northern Chile -
U.S.C.G.S.	eP 13 53 19 c	Argentina border
52N, 176W		H = 21 58 35
Andreanof Islands,		
Aleutian Islands		
H = 23 17 52		

## SEISMOLOGICAL BULLETIN - 1957

Banff	eSS 19 35 25	Kirkland Lake
eP 22 11 28	eL 19 38 06	iP 02 37 16 c
Kirkland Lake	Schefferville	eS 02 46 49 SE
eP 22 10 25 c?	iP (19 22 08) c	Ottawa
Ottawa	Shawinigan Falls	iP 02 37 12 c
eP 22 10 08	iP 19 21 27 c	epP 02 37 32
eS 22 19 26	Victoria	ePPP 02 41 26
Shawinigan Falls	iP 19 23 16 c	eS 02 46 42
eP 22 10 14	i 19 23 23	e 02 47 06
	eS 19 33 45	eS <sub>C</sub> S 02 47 22
	e 19 35 23	ePS 02 47 36
	eL 19 49.0	eSS 02 52 00
APRIL 24		eL 02 55
U.S.C.G.S.		Resolute
36N, 28 1/2E	APRIL 24	iP 02 36 04 c
Turkey foreshock	Resolute	iS 02 44 16
H = 19 10 05	e 21 43 53	eSS 02 49 14
Halifax	e 21 44 10	Saskatoon
iP 19 21 01 c		eS 02 48 19
iP <sub>C</sub> P 19 21 08 d		Seven Falls
iS 19 29 48 E?	APRIL 24	eP 02 36 48
eSS 19 33 55	Alberni	epP 02 37 08
Horseshoe Bay	iP 22 56 41.1	ePP 02 39 21
iP 19 23 11 c	iS 22 57 05.5	eS 02 45 53
eS 19 33 41	Horseshoe Bay	ePS 02 46 31
Kirkland Lake	iP 22 56 25.9 c	eSS 02 50 53
iP 19 21 48 c	iS 22 56 37.4	Schefferville
i 19 21 54 d	Victoria	iP (02 34 24) c
eS 19 31 37 SE	iP 22 56 27.7 c	Shawinigan Falls
Ottawa	iS 22 56 41.1	iP 02 36 58 c
iP 19 21 44 c		epP 02 37 15
epP 19 22 08	APRIL 25	eS 02 46 11
eS 19 31 14	U.S.C.G.S.	Victoria
eS <sub>C</sub> S 19 31 52	36 1/2N, 29E	iP 02 38 45 c
ePS 19 32 28	Near south coast of	e 02 39 04
e 19 34 20	Turkey	iS 02 49 13
eSS 19 36 52	H = 02 25 36	eL 03 05.5
eL 19 40.3	Banff	
Resolute	iP 02 38 23 c	APRIL 25
iP 19 20 36 c	Halifax	Shawinigan Falls
ePP 19 22 49	iP 02 36 24 c	eP 02 59 24
iS 19 29.0	iS 02 45 16 SE	e 03 00 00
eS <sub>C</sub> S 19 30 54	eSS 02 49 22	
eL 19 36.9	eSSS 02 52 26	
Seven Falls	Horseshoe Bay	APRIL 25
eP 19 21 19	iP 02 38 39 c	Resolute
epP 19 21 42	i 02 39 11	eP 03 05 00
eS 19 30 24	iS 02 49 05	
eS <sub>C</sub> S 19 30 54	e 02 49 27	
e 19 34 02		



## DOMINION OBSERVATORIES

APRIL 25	APRIL 25	Ottawa
U.S.C.G.S.	Ottawa	iP 14 15 56 d
45N, 100E	iP 08 25 11 d	ePP 14 17 44
Outer Mongolia	Shawinigan Falls	eS 14 22 20
H = 07 09 20	iP 08 25 11 d	eL 14 30 12
Kirkland Lake		Resolute
eP 07 22 08		iP 14 13 06 d
Resolute	APRIL 25	eS 14 17 20
iP 07 19 30 c	U.S.C.G.S.	Seven Falls
Schefferville	4 1/2S, 134E	eP 14 16 04
iP (07 20 05) d	Off coast of	Schefferville
	New Guinea	iP 14 14 16
	H = 10 16 18	Shawinigan Falls
	Ottawa	iP 14 16 01
	eP' 10 35 36 c	Victoria
	Shawinigan Falls	eP 14 12 00 c
	eP' 10 35 37 c	eS 14 15 47
		eL 14 17.2
APRIL 25	APRIL 25	APRIL 25
U.S.C.G.S.	U.S.C.G.S.	U.S.C.G.S.
52N, 173 1/2W	1 1/2N, 126E	51 1/2N, 180
Andreanof Islands,	Molucca Passage	Andreanof Islands,
Aleutian Islands	H = 11 06 02	Aleutian Islands
H = 07 15 15	Ottawa	Horseshoe Bay
Banff	iP' 11 25 17 d	eP 17 52 16
iP 07 23 14 c	ePP 11 27 49	Resolute
Halifax	Resolute	iP 17 52 53
iP 07 26 08	eP 11 19 52 c	Shawinigan Falls
eS 07 34 35	e 11 22 03	eP 17 55 52
eL 07 45.8	Schefferville	Victoria
Horseshoe Bay	iP' (11 24 41) d	eP 17 52 18 c
eP 07 21 26	Shawinigan Falls	eL 18 02.3
i 07 21 41 d	iP' 11 25 15 d	APRIL 25
Kirkland Lake	ePP 11 27 43	Resolute
iP 07 24 58 c		iP 17 58 42 c
Ottawa	APRIL 25	APRIL 25
iP 07 25 26 c	U.S.C.G.S.	Shawinigan Falls
eS 07 33 40	60 1/2N, 145W	eP 18 56 10
Resolute	Near south coast of	APRIL 25
iP 07 22 35	Alaska	Ottawa
ePP 07 24 28	H = 14 07 58	eP 19 03 21
eS 07 28 39	Banff	
Seven Falls	eP 14 12 20	
eP 07 25 34	Horseshoe Bay	
eS 07 33 48	eP 14 11 54 d?	
Schefferville	eS 14 15 24	
iP (07 23 43) d		
Shawinigan Falls		
iP 07 25 29 c		
i 07 25 44		
Victoria		
eP 07 21 44 d		
eS 07 26 45		

## SEISMOLOGICAL BULLETIN - 1957

Shawinigan Falls	Banff	Banff
eP 19 03 27 d	eP 22 28 17	eP 06 45 29
	Horseshoe Bay	Horseshoe Bay
	eP 22 28 14	eP 06 46 37
APRIL 25	e 22 33 30	Kirkland Lake
Alberni	e 22 34 01	eP 06 45.4
iP 20 06 29.7	Ottawa	Ottawa
iS 20 06 46.0	eS 22 36 18	eP 06 45 20
Horseshoe Bay	eS <sub>c</sub> S 22 41 18	Resolute
iP 20 06 28.6 d	eL 22 41 48	iP 06 44 04
Victoria	Resolute	eS 06 52 33
iP 20 06 13.9 c	eP 22 32 11	eL 07 10.0
iS 20 06 19.0	e 22 46 14	Seven Falls
i 20 06 19.3	Seven Falls	eP 06 45 06
	eL 22 43 08	Shawinigan Falls
APRIL 25	Victoria	eP 06 45 10
U.S.C.G.S.	eP 22 08 06	Victoria
33N, 115 1/2W	eL 22 33.7	eP 06 46 55
Imperial County,	APRIL 26	APRIL 26
California	U.S.C.G.S.	U.S.C.G.S.
H = 21 57 36	37N, 70 1/2E	60N, 147W
Banff	Hindu Kush	Near south coast of
eP 22 02 51	H = 02 11 52	Alaska
Horseshoe Bay	h = 200 km	H = 10 23 17
eP 22 01 50	Banff	Banff
e 22 07 01	eP 02 24 45	eP 10 27 47
Ottawa	Schefferville	Horseshoe Bay
eP 22 04 16 c	iP (02 23 36) d	eP 10 27 21
eS <sub>c</sub> S 22 14 52	Shawinigan Falls	eS 10 31 10
eL 22 15.2	eP 02 24 36	Kirkland Lake
Resolute	APRIL 26	eP 10 30 48
eP 22 05 38	Ottawa	Ottawa
eS 22 15 12	eP 04 42 42 d	eP 10 31 22
eL 22 17 15	Resolute	Resolute
Seven Falls	eP 04 40 28	iP 10 28 33 c
eL 22 16 51	Shawinigan Falls	eS 10 32 50
Victoria	eP 04 42 46	Seven Falls
eP 22 01 36	APRIL 26	eP 10 31 32
eL 22 07.8	U.S.C.G.S.	eS 10 38 01
APRIL 25	33 1/2N, 115 1/2W	eL 10 45.8
Shawinigan Falls	Imperial County,	Schefferville
eP 18 56 10	California	eP (10 31 52) d
APRIL 25	H = 22 24 11	Shawinigan Falls
Ottawa	Turkey aftershock	eP 10 31 28
eP 19 03 21	H = 06 33 32	Victoria
		eP 10 27 28 c
		eL 10 32.7



DOMINION OBSERVATORIES

SEISMOLOGICAL BULLETIN - 1957

APRIL 26  
 Felt in New England  
 Kirkland Lake  
   eP<sub>n</sub> 11 42 07  
   eS<sub>n</sub> 11 43 34  
   eS<sub>1</sub> 11 44 14  
 Ottawa  
   eP<sub>n</sub> 11 41 14  
   eS<sub>n</sub> 11 42 14  
   i 11 42 17  
   eL 11 42 38  
 Resolute  
   e 11 56 59  
 Seven Falls  
   eP<sub>n</sub> 11 41 07  
   e 11 41 36  
   i 11 41 43  
   eS<sub>n</sub> 11 41 54  
 Schefferville  
   e (11 43 36)  
 Shawinigan Falls  
   eP<sub>n</sub> 11 41 01  
   iS<sub>n</sub> 11 41 51  
   e 11 42 07  
  
 APRIL 26  
 U.S.C.G.S.  
   45N, 148E  
 Kurile Islands  
   H = 15 08 22  
 Banff  
   iP 15 18 36 c  
 Halifax  
   iP 15 21 09 c  
 Horseshoe Bay  
   iP 15 18 14 c  
 Kirkland Lake  
   iP (15 20 ??) c  
 Ottawa  
   eP 15 20 46 c  
 Resolute  
   iP 15 17 49  
   eL 15 33.3  
 Schefferville  
   eP 15 20 59 c  
   i 15 20 59.5 d  
 Shawinigan Falls  
   iP 15 20 47 c  
  
 APRIL 26  
 Victoria  
   iP 15 18 16 c  
  
 APRIL 26  
 Halifax  
   eP 16 19 58  
  
 APRIL 26  
 Shawinigan Falls  
   eP 22 57 23  
  
 APRIL 27  
 U.S.C.G.S.  
   0, 121 1/2E  
 Near coast of  
 Celebes  
   H = 00 09 47  
   h = 60 km  
 Resolute  
   e(SS) 00 42 20  
  
 APRIL 27  
 U.S.C.G.S.  
   53N, 166W  
 Fox Islands,  
 Aleutian Islands  
   H = 02 39 24  
 Resolute  
   eP 02 46 21  
  
 APRIL 27  
 U.S.C.G.S.  
   Near coast of  
   central Chile  
   H = 04 19 20  
 Kirkland Lake  
   eP 04 31 45  
 Shawinigan Falls  
   eP 04 31 35 d  
  
 APRIL 27  
 U.S.C.G.S.  
   Andreanof Islands,  
   Aleutian Islands  
   H = 12 48 45  
 Horseshoe Bay  
   eP 12 55 39 d  
 Resolute  
   e 12 57 21  
 Victoria  
   eP 12 55 42 d  
  
 APRIL 27  
 Resolute  
   eP 15 51 32  
  
 APRIL 27  
 Resolute  
   e 22 14 12  
  
 APRIL 28  
 Horseshoe Bay  
   eP 00 09 15  
 Victoria  
   eP 00 09 17

APRIL 28  
 U.S.C.G.S.  
   7N, 127E  
 Mindanao, P.I.  
   H = 01 23 40  
 Halifax  
   eP' 01 42 49 d  
   i 01 42 51 c  
   ePP 01 44 50 c?  
   eL 02 25 28  
 Horseshoe Bay  
   eP 01 37 19 d?  
 Kirkland Lake  
   eP' 01 42 35  
 Ottawa  
   eP' 01 42 42  
 Resolute  
   eP 01 37 04  
   i 01 37 05 c  
   iPP 01 40 50  
   eS 01 47 34  
   eL 02 18.4  
 Schefferville  
   iP' (01 49 52)  
 Shawinigan Falls  
   iP' 01 42 42 c  
   i 01 42 53  
   ePP 01 44 22  
 Victoria  
   eP 01 37 18  
   e 02 00 00  
  
 APRIL 28  
 U.S.C.G.S.  
   6S, 155E  
 Solomon Islands  
   H = 10 36 41  
   h = 60 km  
 Resolute  
   e(pPS) 11 03 59  
   eSS 11 08 46  
 Victoria  
   eL 11 07.7  
  
 APRIL 28  
 U.S.C.G.S.  
   52 1/2N, 168 1/2W  
 Fox Islands,  
 Aleutian Islands  
   H = 14 48 52  
 Halifax  
   eP 14 59 29 c?  
   eP<sub>c</sub>P 14 59 55  
   eS 14 08 00  
   eL 14 15 18  
 Horseshoe Bay  
   eP 14 54 50  
   eS 14 59 41  
 Kirkland Lake  
   eP 14 58 16 c  
 Ottawa  
   iP 14 58 44 c  
   epP 14 59 10  
   eS 15 06 40  
 Resolute  
   iP 14 55 56 c  
   eS 15 01 38  
 Seven Falls  
   eS 15 06 55  
 Schefferville  
   eP (15 04 05) d  
 Shawinigan Falls  
   eP 14 58 48 c  
   epP 14 59 14  
 Victoria  
   eP 14 54 54  
   eS 14 59 44  
   eL 15 01 21  
  
 APRIL 28  
 Resolute  
   e(P) 15 11 25  
  
 APRIL 28  
 U.S.C.G.S.  
   50 1/2N, 178W  
 Andreanof Islands,  
 Aleutian Islands  
   H = 20 03 4C  
 Horseshoe Bay  
   eP 20 10 34  
  
 APRIL 28  
 Kirkland Lake  
   eP 20 13 43  
 Resolute  
   eP 20 11 17  
   e 20 17 41  
 Victoria  
   eP 20 10 34  
  
 APRIL 28  
 Horseshoe Bay  
   iP 21 41 08.8 c  
  
 APRIL 29  
 U.S.C.G.S.  
   52 1/2N, 168 1/2W  
 Fox Islands,  
 Aleutian Islands  
   H = 04 30 04  
 Horseshoe Bay  
   eP 04 36 03  
 Kirkland Lake  
   eP 04 39 ?? d  
 Ottawa  
   eP 04 39 55  
 Resolute  
   iP 04 37 08 d  
   eS 04 42 35  
   e(SS) 04 45 46  
   eS<sub>c</sub>S 04 47 24  
 Schefferville  
   eP 04 39 38  
   i 04 39 51.5  
 Shawinigan Falls  
   iP 04 39 59 d  
   epP 04 40 13  
 Victoria  
   eP 04 36 06  
   eS 04 40 55  
   eL 04 42.5  
  
 APRIL 29  
 U.S.C.G.S.  
   52 1/2N, 169W  
 Fox Islands,  
 Aleutian Islands  
   H = 04 37 12



DOMINION OBSERVATORIES

<p>Ottawa eP 04 47 03 Resolute eL 04 53.8 Shawinigan Falls eP 04 47 07</p> <p>APRIL 29 U.S.C.G.S. 44N, 147E Kurile Islands H = 09 22 14 Halifax eP 09 35 04 Horseshoe Bay eP 09 32 08 Kirkland Lake eP 09 34 ?? c Ottawa eP 09 34 41 c Resolute iP 09 31 43 Shawinigan Falls eP 09 34 39 c Victoria eP 09 32 11</p> <p>APRIL 29 U.S.C.G.S. 22S, 66W Argentina - Bolivia border H = 10 11 53 h = 200 km Horseshoe Bay eP 10 24 17 Kirkland Lake eP 10 22 ?? d Ottawa eP 10 22 32 d Shawinigan Falls iP 10 22 36 d Victoria eP 10 24 17</p> <p>APRIL 29 U.S.C.G.S. 9S, 107E Off south coast of Java H = 20 55 57 Halifax iP' 21 15 33 c? i 21 15 40 Ottawa eP' 21 15 36 Resolute eP' 21 14 37 e(S) 21 23 18 Shawinigan Falls eP' 21 15 36</p> <p>APRIL 29 Horseshoe Bay iP 22 26 08 c</p> <p>APRIL 30 U.S.C.G.S. 10 1/2N, 127E Samar Island, P.I. H = 03 32 49 Resolute eP 03 45 57</p> <p>APRIL 30 Resolute eP 08 52 49</p> <p>APRIL 30 Halifax iP<sub>1</sub> 20 48 51.5 iS<sub>1</sub> 20 48 56.3</p>	<p>MAY 1 Victoria eP 19 53 32.2 c eS 19 53 40.5</p> <p>MAY 1 U.S.C.G.S. 52 1/2N, 171W Fox Islands, Aleutian Islands H = 23 28 09 Halifax iP 23 38 52 c Horseshoe Bay eP 23 34 20 i(P<sub>c</sub>P) 23 37 22 eS 23 39 18 eL 23 43.5 Kirkland Lake eP 23 37 41 Ottawa eP 23 38 09 c Resolute iP 23 35 19 c e(P<sub>c</sub>P) 23 37 41 iS 23 41 25 e 23 42 06 eL 23 44.7 Schefferville iP (23 37 49) Seven Falls eP 23 38 20 Shawinigan Falls eP 23 38 15 Victoria eP 23 34 22 eS 23 39 20 eL 23 42.3</p> <p>MAY 2 U.S.C.G.S. 4 1/2S, 153E Near New Britain H = 01 50 09 h = 60 km Horseshoe Bay eP 02 03 05</p>	<p>APRIL 29 Resolute eP 18 49 27</p> <p>APRIL 29 U.S.C.G.S. 54N, 166W Fox Islands, Aleutian Islands H = 02 22 18 Banff iP 02 28 32 c Halifax iP 02 32 39 c Horseshoe Bay iP 02 28 03 d e 02 31 21 Kirkland Lake eP 02 31 15 Ottawa eP 02 31 52 Resolute iP 02 29 05 c eL 02 38 15 Schefferville iP (02 31 37) d Seven Falls eP 02 32 01 Shawinigan Falls iP 02 31 58 d Victoria eP 02 28 01 e 02 31 22</p> <p>MAY 2 U.S.C.G.S. 72N, 67 1/2W Baffin Bay H = 03 55 34 Banff eP 04 01 39 c e 04 02 10 eS 04 07 09 e 04 09 09 e 09 10 46</p>
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SEISMOLOGICAL BULLETIN - 1957

<p>Ottawa iP' 02 09 02 c</p> <p>MAY 2 U.S.C.G.S. 54N, 166W Fox Islands, Aleutian Islands H = 02 22 18 Banff iP 02 28 32 c Halifax iP 02 32 39 c Horseshoe Bay iP 02 28 03 d e 02 31 21 Kirkland Lake eP 02 31 15 Ottawa eP 02 31 52 Resolute iP 02 29 05 c eL 02 38 15 Schefferville iP (02 31 37) d Seven Falls eP 02 32 01 Shawinigan Falls iP 02 31 58 d Victoria eP 02 28 01 e 02 31 22</p> <p>MAY 2 U.S.C.G.S. 72N, 67 1/2W Baffin Bay H = 03 55 34 Banff eP 04 01 39 c e 04 02 10 eS 04 07 09 e 04 09 09 e 09 10 46</p>	<p>Halifax iP 04 01 22 eS 04 06 03 eLg 04 10 14 Horseshoe Bay eP 04 02 14 d? e 04 03 13 e 04 04 55 e 04 10 04 Kirkland Lake eP 04 00 54 c? i 04 00 55 d eS 04 05 14 eLg 04 08 11 Ottawa iP 04 01 16 c eS 04 06 00 eLg 04 09 08 Resolute iP 03 57 30 c iS 03 58 55 iL 03 59 38 Saskatoon eP 04 01 16 e 04 05 25 eL 04 08.9 Schefferville eP (04 00 45) d i (04 00 45.5) c Seven Falls eP 04 00 59 eS 04 05 27 eL 04 08 05 Shawinigan Falls iP 04 01 04 c e 04 05 43 eL 04 08 21 Victoria eP 04 02 20 d e 04 03 22 eS 04 13 09</p> <p>MAY 2 Resolute e(P) 08 23 23</p>	<p>MAY 2 U.S.C.G.S. 56 1/2S, 123W South Pacific Ocean H = 10 34 14 Resolute iP' 10 53 36 e 11 04 14 e(SS) 11 13 23 e(SSS) 11 18 40 Victoria eL 11 22.7</p> <p>MAY 2 U.S.C.G.S. 52 1/2N, 169W Fox Islands, Aleutian Islands H = 11 29 13 Banff eP 11 35 45 Halifax eP 11 39 52 Horseshoe Bay eP 11 35 14 e(P<sub>c</sub>P) 11 38 23 eS 11 40 00 Kirkland Lake eP 11 38 35 Ottawa iP 11 39 03 d eS 11 47 04 Resolute iP 11 36 17 d ePP 11 37 32 eS 11 42 01 Saskatoon eP 11 36 15 Schefferville iP (11 39 08) d Shawinigan Falls iP 11 39 10 c Victoria eP 11 35 14 d e(S) 11 40 08 e 11 41.8</p>
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## DOMINION OBSERVATORIES

MAY 6  
U.S.C.G.S.  
36N, 51E  
Northern Iran  
H = 15 06 47  
Resolute  
eS 15 26 42  
Shawinigan Falls  
eP 15 19 24

MAY 6  
Alberni  
iP 18 35 49.3  
iS 18 36 05.5  
Horseshoe Bay  
iP 18 35 42.4  
iS 18 35 53.5  
Victoria  
eP 18 35 32.2  
eS 18 35 35.6

MAY 6  
U.S.C.G.S.  
10 1/2N, 127E  
Off coast of  
Mindanao, P.I.  
H = 21 41 30  
Resolute  
iP 21 54 39

MAY 7  
U.S.C.G.S.  
1N, 85 1/2W  
Off coast of Ecuador  
H = 01 18 28  
Resolute  
eL 01 47 34

MAY 7  
U.S.C.G.S.  
51 1/2N, 179 1/2E  
Andreanof Islands,  
Aleutian Islands  
H = 05 36 32

Halifax  
eP 05 47 50  
Horseshoe Bay  
eP 05 43 34  
e(P<sub>C</sub>P) 05 46 01  
eS 05 49 16  
Kirkland Lake  
eP 05 46 39  
Ottawa  
eP 05 47 10  
Resolute  
eP 05 44 10 c  
ePP 05 45 57  
eS 05 50 14  
Seven Falls  
eP 05 47 19  
Shawinigan Falls  
eP 05 47 11  
i 05 47 16  
ePP 05 49 36  
Victoria  
eP 05 43 37  
eS 05 49 20  
eL 05 54

MAY 7  
U.S.C.G.S.  
30N, 137 1/2E  
South of Honshu,  
Japan  
H = 22 19 03  
Resolute  
eP 22 30 14  
ePP 22 32 58

MAY 8  
Resolute  
eL 10 51 54

MAY 8  
U.S.C.G.S.  
41 1/2N, 75E  
Kirgiz, S.S.R.  
H = 14 24 30  
Shawinigan Falls  
eP 14 37 24

MAY 8  
U.S.C.G.S.  
15 1/2S, 179E  
Fiji Islands  
H = 20 09 53  
h = 400 km  
Banff  
e 20 22 03  
Resolute  
eP 20 23 19  
eSKS 20 33 35  
eSS 20 42 25  
e 21 00 08  
Victoria  
eP 20 21 34

MAY 9  
Horseshoe Bay  
eP 08 57 24 c?

## SEISMOLOGICAL BULLETIN - 1957

MAY 10  
Alberni  
iP 17 04 15.5  
eS 17 04 20.6  
Victoria  
eP 17 04 30.7  
eS 17 04 46.8

MAY 10  
Victoria  
eP 17 12 08.9  
eS 17 12 26.1

MAY 11  
Banff  
eP 00 26 35.9  
iS 00 27 20.5

MAY 11  
Banff  
iS 03 36 58  
Local shock

MAY 11  
U.S.C.G.S.  
51 1/2N, 178 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 07 30 22  
Horseshoe Bay  
iP 07 37 17 d  
e(P<sub>C</sub>P) 07 39 50  
Resolute  
eP 07 37 58  
ePP 07 39 36  
eS 07 43 52  
Victoria  
iP 07 37 19 d

MAY 12  
U.S.C.G.S.  
60 1/2S, 26W  
Sandwich Islands  
region  
H = 04 47 44

Horseshoe Bay  
eP' 05 07 05  
i 05 07 07 d  
e 05 10 37  
e 05 10 39  
Kirkland Lake  
eP' 05 06 31  
Ottawa  
eP' 05 06 25  
ePP 05 07 14  
eSKS 05 13 10  
ePS 05 16 40  
Resolute  
iP' 05 07 13  
Schefferville  
eP' (05 07 03)  
Victoria  
eP' 05 07 05 d?  
eL 05 53.6

MAY 12  
U.S.C.G.S.  
53N, 142E  
Northern Sakhalin  
H = 06 48 27  
Banff  
eP 06 58 15  
Kirkland Lake  
eP 07 00 01  
Ottawa  
eP 07 00 27  
Resolute  
eP 06 56 56 d  
i 06 56 57 c  
eS 07 03 47

MAY 12  
Horseshoe Bay  
iP 07 33 04.1 c  
iS 07 33 25.2  
Victoria  
iP 07 32 51.6 d  
iS 07 33 03.0

MAY 12  
U.S.C.G.S.  
8 1/2S, 107 1/2E  
Near south coast of  
Java  
H = 11 29 07  
Banff  
eP' 11 48 06  
Halifax  
eP' 11 48 41  
Horseshoe Bay  
eP' 11 48 02  
Kirkland Lake  
eP' 11 48 37  
e 11 51 31  
Ottawa  
eP' 11 48 40  
Resolute  
eP' 11 47 43  
ePP 11 48 55  
eS 11 54 45  
Schefferville  
eP' (11 48 21)  
Seven Falls  
eP' 11 48 38  
Shawinigan Falls  
eP' 11 48 44  
ePP 11 51 48

MAY 12  
Resolute  
iP 13 14 15 c

MAY 13  
U.S.C.G.S.  
44N, 135 1/2E  
Sikhota Alin, Siberia  
H = 02 20 55  
h = 300 km  
Halifax  
eP 02 33 24  
Horseshoe Bay  
iP 02 31 02 c?  
Resolute  
iP 02 30 12 c  
Shawinigan Falls  
eP 02 33 07

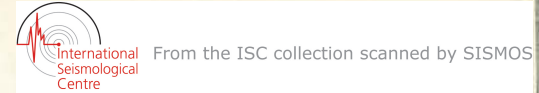


DOMINION OBSERVATORIES

Victoria eP 02 31 05	MAY 14 Horseshoe Bay iP 05 26 43 c	MAY 14 Ottawa iP <sub>n</sub> 20 48 03 iS <sub>n</sub> 20 48 21 eL 20 48 28 D = 155 km
MAY 13 Ottawa iP <sub>n</sub> 08 08 04 iS <sub>n</sub> 08 08 26 eS <sub>1</sub> 08 08 31 D = 210 km	MAY 14 Ottawa eP 07 44 30	MAY 14 Ottawa eP 21 28 37
Seven Falls iP <sub>n</sub> 08 08 16 iS <sub>n</sub> 08 08 41 iS <sub>1</sub> 08 08 50 D = 250 km	MAY 14 Banff eP 10 44 38.0 eS 10 45 44.0	MAY 15 U.S.C.G.S. 51 1/2N, 175W Andreanof Islands, Aleutian Islands H = 01 43 05 Ottawa eP 01 53 23 Shawinigan Falls eP 01 53 28
Shawinigan Falls eS 08 08 01	MAY 14 Kirkland Lake eP 14 19 22	MAY 15 U.S.C.G.S. 17 1/2N, 93 1/2W Chiapas, Mexico H = 02 11 05 h = 100 km Banff eP 02 18 19 c
MAY 13 U.S.C.G.S. Western North Carolina H = 14 24 58 Ottawa e(P) 14 27 51 eS 14 30 16 eSS 14 30 32 Shawinigan Falls eS 14 31 24	MAY 14 U.S.C.G.S. Andreanof Islands, Aleutian Islands H = 18 43 28 Banff eP 18 50 28 Kirkland Lake eP 18 52 14 Ottawa eP 18 53 40 Resolute eS 18 57 01 Shawinigan Falls iP 18 53 46	MAY 16 Ottawa iP 08 24 18 c
MAY 13 U.S.C.G.S. 32 1/2N, 137E South of Honshu, Japan H = 15 19 35 h = 300 km Resolute eP 15 29 53	MAY 14 Banff eP 20 33 04.5 e 20 33 08.7 Local shock	MAY 16 Horseshoe Bay iP 09 30 00.8 d? eS 09 30 37 e 09 31 29 Victoria eP 09 29 59.1 eS 09 30 46
MAY 13 Banff iP 21 49 55.6 iS 21 49 59.9		MAY 17 Halifax iP 19 28 19 iS 19 28 24 iS 19 28 25.3

SEISMOLOGICAL BULLETIN - 1957

Seven Falls eP 02 18 23 d	MAY 16 U.S.C.G.S. 28S, 66W Argentina h = 100 km Kirkland Lake iP 15 06 22 d e 15 06 55	MAY 17 U.S.C.G.S. Revilla Gigedo Island region H = 20 42 40 Ottawa eP 20 50 21 Resolute eS 21 00 24 eSS 21 04 13 e 21 11 49 Shawinigan Falls eP 20 50 43 Victoria eL 22 00.8
Shawinigan Falls eP 02 17 51 epP 02 18 13 esP 02 18 26	Ottawa iP 15 06 03 c Seven Falls iP 15 06 12 d Shawinigan Falls iP 15 06 07 d	MAY 18 Banff eP 02 46 29
Victoria eP 02 18 32 c	MAY 16 Horseshoe Bay iP 16 54 29.1 c? iS 16 54 46.1 Victoria eP 16 54 28.4 iS 16 54 44.0	MAY 18 U.S.C.G.S. 51N, 171W Fox Islands, Aleutian Islands H = 05 24 01 Halifax eP 05 34 55 Horseshoe Bay eP 05 30 19 eL 05 37.0 Kirkland Lake eP 05 33 40 d Ottawa iP 05 34 08 d ePP 05 36 19 eS 05 42 22 Resolute iP 05 31 23 eP <sub>C</sub> P 05 33 37 eS 05 37 06 Saskatoon e 05 37 17 Seven Falls eP 05 34 16 d eS 05 42 38 eSS 05 46 55
MAY 15 Horseshoe Bay eP 07 54 31	MAY 16 Fiji Islands H = 02 42 02 h = 60 km Banff eP 02 54 40 Horseshoe Bay eP 02 54 18 Victoria eP 02 54 15	
MAY 15 Alberni eP 22 05 48.0 e 22 06 10.2 Horseshoe Bay eP 22 05 31.0 c i 22 05 33.6 iS 22 05 41.1 Victoria iP 22 05 35.6 d iS 22 05 48.3 iS 22 05 49.3		
MAY 16 Ottawa iP 08 24 18 c	MAY 17 U.S.C.G.S. 18S, 176 1/2W eP 02 54 15	
MAY 16 Alberni iP 09 29 46.3 c i 09 29 59.8 eS 09 30 23.9 Horseshoe Bay iP 09 30 00.8 d? eS 09 30 37 e 09 31 29 Victoria eP 09 29 59.1 eS 09 30 46		





DOMINION OBSERVATORIES

Shawinigan Falls eP 05 34 12 d eP <sub>c</sub> P 05 35 08 ePP 05 36 23	Ottawa eP 07 26 55 Resolute eP 07 29 25 Shawinigan Falls eP 07 27 07	Shawinigan Falls eP 21 07 36 c Victoria eP 21 09 02
MAY 18 Kirkland Lake eP 20 11 06 eS 20 11 24	MAY 19 Alberni iP 19 49 08.9 eS 19 49 49 Horseshoe Bay eP 19 49 22.9 Local shock	MAY 19 U.S.C.G.S. 8S, 74W Peru H = 22 41 03 h = 200 km Kirkland Lake eP 22 50 23 Ottawa eP 22 50 04 d epP 22 50 37 Schefferville iP --- -- c iP <sub>c</sub> P --- -- c Seven Falls eP 22 50 18 c epP 22 50 53 Shawinigan Falls iP 22 50 13 c epP 22 50 48
MAY 19 U.S.C.G.S. Near coast of Central Peru H = 05 19 40 Halifax eP 05 29 34 c Kirkland Lake eP 05 29 49 Ottawa iP 05 34 08 d ePP 05 36 19 eS 05 42 22 Seven Falls eP 05 29 46 c Shawinigan Falls iP 05 29 40 d	MAY 19 U.S.C.G.S. 25N, 125 1/2E Ryukyu Islands H = 20 45 03 Resolute iP 20 57 00 c	MAY 20 Halifax iP 01 56 32 iS 01 57 07
MAY 19 Shawinigan Falls iP 06 39 50 d	MAY 19 U.S.C.G.S. 12N, 87W Near coast of Nicaragua H = 21 00 36 h = 100 km Banff eP 21 08 47 Halifax eP 21 07 51 c Horseshoe Bay eP 21 09 05 Kirkland Lake iP 21 07 35 c Ottawa iP 21 07 21 c eS 21 13 12 eL 21 17 18 Resolute eP 21 10 53 Seven Falls eP 21 07 45	MAY 20 U.S.C.G.S. 51N, 180 Andreanof Islands, Aleutian Islands H = 01 50 54 Banff eP 01 58 27 Horseshoe Bay iP 01 57 58 e 02 03 38 Kirkland Lake eP 02 00.7
MAY 19 U.S.C.G.S. 800 miles west of Galapagos Island H = 07 17 20 Banff eP 07 27 01 Horseshoe Bay eP 07 27 01 Kirkland Lake eP 07 27 00		

SEISMOLOGICAL BULLETIN - 1957

Resolute eP 01 58 36 ePP 02 00 16 eS 02 04 44 Seven Falls eP 02 01 38 Shawinigan Falls eP 02 01 42 Victoria eP 01 58 00	MAY 20 Ottawa iP 08 04 30 d	Ottawa e 01 29 24 ePP 01 30 07 epPP 01 30 37 ePPP 01 32 29 eSKS 01 36 22 eSKKS 01 37 04 ePS 01 39 12 ePKKP 01 41 44 Resolute iP 01 23 44 d e(PP) 01 26 36 eS 01 33 21 eSS 01 38 05 eSSS 01 41 51 Saskatoon iP 01 24 12 i 01 24 27 iS 01 34 17 i 01 35 11 Seven Falls ePP 01 30 14 eSKS 01 36 25 eSKKS 01 37 10 eS 01 37 40 ePS 01 39 12 e 01 40 03 Victoria iP 01 23 38 d eS 01 33 11 d eL 01 42.5
MAY 20 U.S.C.G.S. 53 1/2N, 167W Fox Islands, Aleutian Islands H = 03 42 26 Kirkland Lake eP 03 51 44 Schefferville eP --- -- c Seven Falls eP 03 52 17 Shawinigan Falls eP 03 52 13 c	MAY 20 U.S.C.G.S. 38 1/2N, 14E Sicily foreshock H = 19 57 35 Halifax eP 20 07 17 d Ottawa eP 20 08 08 Schefferville iP --- -- c	MAY 21 U.S.C.G.S. 21 1/2N, 144E Mariana Island region H = 01 11 58 Banff iP 01 23 59 d i 01 24 27 Halifax e(PP) 01 30 49 eSKS 01 36 43 eS 01 37 56 Horseshoe Bay iP 01 23 37 d i 01 24 03 iS 01 33 08 d,N,E i 01 33 35 Kirkland Lake e 01 26 03 e(PP) 01 29 41 ePKKP 01 41 57
		MAY 21 Resolute e(P) 01 54 12 MAY 21 Halifax eL 03 55 MAY 21 Alberni eP 07 46 06.8 iS 07 46 38.2





DOMINION OBSERVATORIES

Horseshoe Bay eP 07 45 57.6 iS 07 46 22.5	MAY 21 U.S.C.G.S. 39 1/2N, 23E Near east coast of Greece H = 13 24 16 Banff eP 13 36 43 Kirkland Lake eP 13 35 28 Ottawa eP 13 35 23 d Resolute iP 13 34 21 c? Schefferville eP (13 34 11) i (13 34 13) c Seven Falls eP 13 34 58 Shawinigan Falls eP 13 35 08	Ottawa iP 13 40 13 d eP <sub>c</sub> P 13 40 53 ePP 13 42 37 e 13 43 46 ePPP 13 44 10 eS 13 48 47 ePS 13 50 30 eSS 13 53 00 Resolute iP 13 37 23 d ePP 13 39 07 eS 13 43 41 Saskatoon eP 13 37 23 eS 13 44 02 Schefferville eP (13 39 56) c iP <sub>c</sub> P (13 40 36) Seven Falls eP 13 40 20 ePPP 13 44 24 eS 13 49 06 eSS 13 53 02 eSSS 13 56 24 Shawinigan Falls eP 13 40 15 d Victoria eP 13 36 37 c eS 13 42 07
MAY 21 U.S.C.G.S. 36 1/2N, 141 1/2E Near east coast of Honshu, Japan H = 11 36 06 Horseshoe Bay eP 11 46 56 Resolute iP 11 46 34 c Victoria eP 11 47 10	MAY 21 Resolute eL 15 23 32	MAY 22 Ottawa eP 14 09 13
MAY 21 U.S.C.G.S. 38 1/2N, 14E Near north coast of Sicily H = 11 44 04 Halifax eP 11 53 49 d? Horseshoe Bay eP 11 56 41 Kirkland Lake eP 11 54 46 Ottawa iP 11 54 40 d Resolute eP 11 54 00 eSS 12 06 26 Schefferville eP (11 53 29) d Seven Falls eP 11 54 14 d Victoria eP 11 56 46	MAY 21 Resolute eL 19 28 32	MAY 22 Kirkland Lake eP 15 39 45 eS 15 47 58
MAY 21 U.S.C.G.S. 50N, 177W Andreanof Islands, Aleutian Islands H = 13 29 44 Banff eP 13 37 04 Halifax iP 13 40 54 c eS 13 50 03 Horseshoe Bay eP 13 36 32 i(P <sub>c</sub> P) 13 39 08 eS 13 42 01	MAY 22 Ottawa eP 18 37 36 i 18 37 40 d eS 18 41 44	MAY 22 U.S.C.G.S. 77N, 5E Svalbard Island region Resolute eP 18 37 36 i 18 37 40 d eS 18 41 44

SEISMOLOGICAL BULLETIN - 1957

MAY 23 Ottawa iP 08 45 20 c	Seven Falls iP 02 45 50 epP 02 46 05 eS 02 52 18 eSS 02 55 42	Victoria eP 03 42 26 d eS 03 47 09
MAY 24 Ottawa iP 02 05 57 d	Shawinigan Falls eP 02 45 44 epP 02 45 59 ePP 02 47 28 i 02 47 51 eS 02 52 08	MAY 24 U.S.C.G.S. 17N, 146E Mariana Islands H = 10 07 40 h = 100 km Banff eP 10 19 54 Horseshoe Bay iP 10 19 31 d Resolute iP 10 19 51 c Victoria eP 10 19 32
MAY 24 U.S.C.G.S. 3N, 76 1/2W Colombia H = 02 37 37 Banff eP 02 47 32 d Halifax iP 02 45 42 c i 02 46 05 c ePP 02 47 23 d eS 02 52 00 SE eSS 02 55 09	MAY 24 U.S.C.G.S. 53N, 167 1/2W Fox Islands, Aleutian Islands H = 03 36 33 Alberni eP 03 42 21 d Halifax eP 03 47 04 Horseshoe Bay eP 03 42 24 eS 03 47 05 eL 03 52.6 Kirkland Lake eP 03 45 47 i 03 46 00 Ottawa eP 03 46 16 d ePP 03 48 25 eS 03 54 04 eS <sub>c</sub> S 03 56 04	MAY 25 Resolute eP 05 47 37 i 05 47 41 d e 05 51 42
Horseshoe Bay iP 02 47 52 d iS 02 56 02 NE Kirkland Lake iP 02 45 55 c i 02 46 09 c eS 02 52 27 E e 02 52 55 N ISS 02 55 48 E Ottawa iP 02 45 33 c epP 02 45 48 ePP 02 47 22 i 02 47 40 eS 02 51 44 ePS 02 52 06 e 02 54 16 eS <sub>c</sub> S 02 55 22 eL 02 57 04 Resolute iP 02 49 05 c eS 02 58 17 eSS 03 03 03 Schefferville eP (02 46 12) d i (02 46 12.5) c	MAY 25 Aleutian Islands H = 03 36 33 Alberni eP 03 42 21 d Halifax eP 03 47 04 Horseshoe Bay eP 03 42 24 eS 03 47 05 eL 03 52.6 Kirkland Lake eP 03 45 47 i 03 46 00 Ottawa eP 03 46 16 d ePP 03 48 25 eS 03 54 04 eS <sub>c</sub> S 03 56 04 Resolute iP 03 43 29 c eS 03 48 58 Seven Falls eP 03 46 25 eP <sub>c</sub> P 03 47 20 eS 03 54 20 Shawinigan Falls eP 03 46 21	MAY 25 Resolute eP 05 47 37 i 05 47 41 d e 05 51 42
	MAY 25 Ottawa iP <sub>1</sub> 12 28 09 iS <sub>1</sub> 12 28 24 D = 120 km Seven Falls iP <sub>n</sub> 12 28 33.5 i 12 28 37.5 eS <sub>n</sub> 12 29 07.5 D = 350 km Shawinigan Falls iP <sub>1</sub> 12 28 09 iS <sub>1</sub> 12 28 25 Felt at St. Agathe, Lac St. Denis, Lac Louisa and Ste. Adele, Quebec.	





## DOMINION OBSERVATORIES

MAY 25	i	06 45 12	MAY 26		
U.S.C.G.S.	eS	06 53 09	U.S.C.G.S.		
25 1/2S, 65W	e	06 53 17	40 1/2N, 31E		
Salta Province,	Horseshoe Bay		Turkey aftershock		
Argentina	eP	06 46 20 d?	H = 08 54 45		
H = 14 23 37	eSKS	06 56 54	Halifax		
Kirkland Lake	eS	06 57 13	eP	09 05 31	
eP	Kirkland Lake		Kirkland Lake		
Ottawa	eP	06 45 01 d	eP	09 06 16	
eP	eS	06 54 28 NW	Ottawa		
Seven Falls	Ottawa		eP	09 06 12 d	
eP	iP	06 44 59 d	Resolute		
	e	06 45 23	eP	09 04 54	
	ePPP	06 49 19	eS	09 12 32	
MAY 25	eS	06 54 28	Schefferville		
Resolute	ePS	06 55 08	eP	(09 05 07) d	
e(P)	eSS	06 59 00	Seven Falls		
	Resolute		eP	09 05 50 d	
	iP	06 43 37	Shawinigan Falls		
	iS	06 51 50	eP	09 05 57	
MAY 25	Saskatoon				
Kirkland Lake	eP	06 45 26			
eP	eS	06 55 28			
	eL	06 07.0			
	Schefferville		MAY 26		
	iP	(06 43 54) d	U.S.C.G.S.		
MAY 26	Seven Falls		41N, 31E		
U.S.C.G.S.	iP	06 44 36 d	Turkey aftershock		
Fox Islands,	e	06 45 00	H = 09 13 43		
Aleutian Islands	eS	06 53 38	Ottawa		
H = 04 16 44	ePS	06 54 15	eP	09 25 10	
Ottawa	ePPS	06 54 27	Shawinigan Falls		
eP	eSS	06 58 23	eP	09 24 55	
Resolute	eSSS	07 01 08			
e	Shawinigan Falls		MAY 26		
Schefferville	iP	06 44 45 d	U.S.C.G.S.		
eP	ePP	06 47 35	41N, 31E		
Shawinigan Falls	ePPP	06 49 16	Turkey aftershock		
eP	eS	06 54 03	H = 09 36 33		
	Victoria		Halifax		
	eP	06 46 26 d	eP	09 47 20 d?	
MAY 26	eSKS	06 56 45	Kirkland Lake		
U.S.C.G.S.	eS	06 57 05	eP	09 48 06	
41N, 31E	e	06 57 14	Ottawa		
Bolu Province,	e	06 57 14	eP	09 48 02 d	
Turkey	e	06 58 19	Resolute		
H = 06 33 31			eP	09 46 39	
Halifax			i	09 46 43 d	
iP			eS	09 54 52	
i(P <sub>c</sub> P)					
i					

## SEISMOLOGICAL BULLETIN - 1957

Schefferville	Ottawa	MAY 27
eP	eP	U.S.C.G.S.
(09 46 54)	11 03 06 d	52N, 170 1/2W
i	Schefferville	Fox Islands,
(09 46 58) d	eP	-- -- -- c
Seven Falls	Seven Falls	Aleutian Islands
eP	09 47 35	H = 19 57 56
Shawinigan Falls	eP	11 03 24
eP	09 47 46 d	Kirkland Lake
epP	09 48 09	eP
ePP	09 50 34	20 07 27
Victoria		Ottawa
eP	09 49 30	eP
		20 07 55 d
		Resolute
		eP
		20 05 07
		Schefferville
		eP
		-- -- -- d
		Shawinigan Falls
		eP
		20 08 00 d
		MAY 27
		U.S.C.G.S.
		40 1/2N, 31E
		Turkey aftershock
		H = 11 01 26
		Halifax
		eP
		11 12 14
		Horseshoe Bay
		eP
		11 14 17
		Kirkland Lake
		eP
		11 12 57
		Ottawa
		eP
		11 12 55 d
		Resolute
		eP
		11 11 34
		eS
		11 19 45
		Schefferville
		eP
		-- -- -- d
		Seven Falls
		eP
		11 12 09
		Shawinigan Falls
		eP
		11 12 40 d
		Victoria
		eP
		11 14 21
		MAY 27
		U.S.C.G.S.
		41N, 31E
		Turkey aftershock
		H = 07 05 11
		Ottawa
		eP
		07 16 34
		MAY 27
		U.S.C.G.S.
		4N, 83W
		Off coast of Colombia
		H = 10 55 16
		Kirkland Lake
		eP
		11 03 27
		MAY 27
		Shawinigan Falls
		eP
		16 05 41
		MAY 28
		U.S.C.G.S.
		53N, 169W
		Fox Islands,
		Aleutian Islands
		H = 01 19 26
		Kirkland Lake
		eP
		01 28 45
		Ottawa
		iP
		01 29 16 d
		Resolute
		eP
		01 26 30
		Schefferville
		eP
		-- -- -- c
		Shawinigan Falls
		eP
		01 29 20 d



DOMINION OBSERVATORIES

MAY 28  
U.S.C.G.S.  
25 1/2N, 95E  
Pakistan - Burma  
border  
H = 05 51 30  
Ottawa  
ePP 06 10 24  
Resolute  
eP 06 03 41  
i 06 03 43 c  
eS 06 13 36  
Shawinigan Falls  
ePP 06 10 33

MAY 28  
Kirkland Lake  
e(P) 06 21 28

MAY 28  
U.S.C.G.S.  
15S, 168E  
New Hebrides Islands  
H = 23 19 39  
h = 300 km  
Halifax  
iP' 23 38 14  
Horseshoe Bay  
eP 23 33 06  
Kirkland Lake  
eP' 23 37 50 d?  
Ottawa  
iP' 23 37 57 d  
epP' 23 39 03  
Seven Falls  
eP' 23 38 03 d  
Shawinigan Falls  
eP' 23 38 00  
epP' 23 39 06  
Victoria  
eP 23 33 06

MAY 28  
U.S.C.G.S.  
Near coast of Formosa  
H = 23 46 20

Resolute  
iP 23 58 27 c

MAY 29  
Kirkland Lake  
eP 01 21 57

MAY 29  
Kirkland Lake  
eP 07 37 09  
Resolute  
eP 07 39 09

MAY 29  
Ottawa  
eP 08 01 24 c  
Seven Falls  
eP 08 01 25  
Shawinigan Falls  
eP 08 01 25 c

MAY 29  
Halifax  
eP 08 10 30

MAY 29  
Kirkland Lake  
eP 08 13 46  
Ottawa  
eP 08 13 56  
Shawinigan Falls  
eP 08 13 57

MAY 29  
Ottawa  
eP 08 23 46

MAY 29  
Albarni  
iP 09 35 32.0  
iS 09 35 54.8

Horseshoe Bay  
iP 09 35 28.2 c  
iS 09 35 50

Victoria  
iP 09 35 16.5 c  
iS 09 35 28.2

MAY 29  
U.S.C.G.S.  
40 1/2N, 31E  
Turkey aftershock  
H = 10 17 43  
Ottawa  
eP 10 29 10  
Resolute  
e 10 48 04

MAY 29  
U.S.C.G.S.  
Southern Greece  
H = 18 39 09  
Banff  
eP 18 51 47 d  
Halifax  
iP 18 49 41 c  
Horseshoe Bay  
eP 18 52 05  
Kirkland Lake  
eP 18 50 31  
Ottawa  
eP 18 50 27  
Resolute  
iP 18 49 27 d  
Schefferville  
iP (18 49 24) c  
Seven Falls  
iP 18 50 03 c  
Shawinigan Falls  
iP 18 50 12 c  
Victoria  
eP 18 52 09

MAY 29  
Ottawa  
eP 22 31 14  
Resolute  
e(P) 22 28 18

SEISMOLOGICAL BULLETIN - 1957

MAY 30  
U.S.C.G.S.  
20S, 175W  
Tonga Island  
H = 00 18 52  
Banff  
eP 00 31 46  
Horseshoe Bay  
eP 00 31 21  
eS 00 41 23  
eL 00 59.1  
Resolute  
eS 00 44 08  
Victoria  
eP 00 31 19  
eS 00 41 36  
eL 00 58.0

MAY 30  
Horseshoe Bay  
eP 00 50 59  
iS 00 51 13.7  
Victoria  
iP 00 50 51.2 c  
eS 00 50 58.7  
iS 00 50 59.9

MAY 30  
U.S.C.G.S.  
41 1/2N, 143E  
Near south coast of  
Hokkaido, Japan  
H = 19 49 25  
Banff  
eP 20 00 09  
Horseshoe Bay  
eP 19 59 50  
Ottawa  
eP 20 02 13  
Resolute  
iP 19 59 22 c  
Victoria  
eP 19 59 54

MAY 31  
U.S.C.G.S.  
27 1/2S, 63W  
Argentina  
H = 02 16 27  
h = 600 km  
Halifax  
iP 02 26 57 d  
eS 02 35 33 SW  
Horseshoe Bay  
iP 02 28 44 d  
e 02 30 49  
eS 02 38 24  
e 02 38 59  
Kirkland Lake  
iP 02 27 24 d  
ipP 02 29 25 d  
eS 02 36 21 SW  
Ottawa  
iP 02 27 06 d  
eP<sub>C</sub>P 02 27 27  
epP 02 29 05  
esP 02 29 46  
eS 02 35 51  
e 02 38 06  
esPS 02 39 24  
esSS 02 43 20  
Resolute  
eP 02 29 33  
ePP 02 33 54  
eS 02 40 35  
Schefferville  
iP -- -- -- d  
Seven Falls  
iP 02 27 13 d  
eP<sub>C</sub>P 02 27 39  
epP 02 29 11  
esP 02 29 52  
eS 02 36 07  
Shawinigan Falls  
iP 02 27 10 d  
epP 02 29 09  
isP 02 30 05  
ePP 02 30 25  
eS 02 36 01  
Victoria  
eP 02 28 43 d  
e 02 30 47  
eS 02 38 31  
e 02 38 55

MAY 31  
U.S.C.G.S.  
54N, 163 1/2W  
Unimak Island region  
H = 03 10 18  
Horseshoe Bay  
eP 03 15 49  
Kirkland Lake  
eP 03 19 26  
Ottawa  
eP 03 19 57  
Resolute  
eP 03 17 02  
eS<sub>C</sub>S 03 27 04  
Seven Falls  
eP 03 20 06  
Shawinigan Falls  
eP 03 19 59  
Victoria  
eP 03 15 56

MAY 31  
Ottawa  
eP 04 31 30  
e 04 31 51  
Shawinigan Falls  
eP 04 31 32

MAY 31  
Resolute  
e 07 58 09  
e 08 06 43

MAY 31  
U.S.C.G.S.  
55N, 169W  
Fox Islands,  
Aleutian Islands  
H = 16 19 39  
Kirkland Lake  
eP 16 29 01  
Schefferville  
iP -- -- -- d





DOMINION OBSERVATORIES

MAY 31  
Shawinigan Falls  
eP 21 02 09

MAY 31  
U.S.C.G.S.  
3 1/2N, 77W  
Near coast of Colombia  
H = 21 57 46  
h = 100 km  
Halifax  
iP 22 05 40 c?  
Horseshoe Bay  
iP 22 07 49 d  
eS 22 16 02  
eL 22 29.1

Kirkland Lake  
iP 22 05 53 d  
Ottawa  
iP 22 05 31 d  
epP 22 05 52  
eS 22 11 44  
eL 22 15 00  
Resolute  
iP 22 09 01 d  
eS 22 18 12  
esS 22 18 57

Schefferville  
iP -- -- -- d  
Seven Falls  
iP 22 05 48 d  
epP 22 06 09  
eS 22 12 17  
eL 22 15 21

Shawinigan Falls  
iP 22 05 41 d  
ePP 22 07 22  
ePcP 22 07 29  
Victoria  
iP 22 07 48 d  
i 22 15 59  
eL 22 30

MAY 31  
U.S.C.G.S.  
51N, 179 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 22 17 10

Halifax  
eP 22 28 21  
Horseshoe Bay  
iP 22 24 06 d  
Kirkland Lake  
eP 22 27 14  
Ottawa  
eP 22 27 40 c  
Resolute  
eP 22 24 48 c  
iS 22 30 49  
Schefferville  
iP -- -- -- c  
Seven Falls  
eP 22 27 48 c  
Shawinigan Falls  
eP 22 27 44 c  
Victoria  
iP 22 24 09 d  
i 22 29 47

JUNE 1  
Kirkland Lake  
eP 00 27 39

JUNE 1  
Kirkland Lake  
e 00 41 32

JUNE 1  
Horseshoe Bay  
eP 01 26 41  
e 01 29 44  
Resolute  
eP 01 28 39  
e 01 32 54  
e 01 34 25  
Victoria  
eP 01 26 36  
e 01 30 02

JUNE 1  
Shawinigan Falls  
e(P) 01 43 49

JUNE 1  
Halifax  
e(P) 01 47 02  
e 01 47 32

JUNE 1  
U.S.C.G.S.  
40 1/2N, 31E  
Northern Turkey  
aftershock  
H = 05 26 50

Halifax  
eP 05 37 39  
Kirkland Lake  
eP 05 38 21  
Ottawa  
eP 05 38 20  
Schefferville  
eP (05 37 13) d  
Seven Falls  
eP 05 37 55  
Shawinigan Falls  
eP 05 38 05

JUNE 1  
Alberni  
iP 10 48 27.0 c,S,W  
iS 10 48 44.5  
Horseshoe Bay  
iP 10 48 27.6 c  
iS 10 48 45.8

JUNE 1  
U.S.C.G.S.  
59 1/2N, 150 1/2W  
Kenai Peninsula,  
Alaska  
H = 16 03 52  
Halifax  
eP 16 12 57 d

SEISMOLOGICAL BULLETIN - 1957

Kirkland Lake  
eP 16 11 37 d  
Ottawa  
iP 16 12 09 d  
Resolute  
iP 16 09 19 d  
eS 16 13 41  
eL 16 17 40  
Schefferville  
eP (16 11 15) d  
i (16 11 15.3) c  
Seven Falls  
iP 16 12 17 d  
Shawinigan Falls  
iP 16 12 14 d

JUNE 1  
U.S.C.G.S.  
1N, 91W  
Galapagos Islands  
H = 19 35 08  
Halifax  
eP 19 44 02  
Horseshoe Bay  
e 19 44 51  
Kirkland Lake  
eP 19 43 49  
Ottawa  
eP 19 43 36 d  
Resolute  
eP 19 46 44  
eS 19 56 15  
eL 20 04 42  
Seven Falls  
eP 19 43 57  
Shawinigan Falls  
eP 19 43 55  
Victoria  
eP 19 44 26

JUNE 1  
U.S.C.G.S.  
Turkey aftershock  
H = 21 08 12  
Resolute  
eL 21 41.3

JUNE 1  
Resolute  
e 22 51 05

JUNE 1  
Resolute  
e(P) 23 30 50

JUNE 2  
U.S.C.G.S.  
Turkey aftershock  
H = 01 11 56  
Ottawa  
iP 01 23 25 c  
Seven Falls  
iP 01 23 00  
Shawinigan Falls  
eP 01 23 09

JUNE 2  
U.S.C.G.S.  
52 1/2N, 160E  
Near east coast of  
Kamchatka  
H = 21 21 45  
Resolute  
eL 21 45.7

JUNE 2  
U.S.C.G.S.  
Eastern Java  
H = 23 00 29  
Halifax  
iP' 23 20 17 c  
eL 24 19.0  
Ottawa  
eP' 23 20 13  
Resolute  
eL 24 21.8

JUNE 3  
Halifax  
iP 19 08 21  
i 19 08 26  
iS 19 08 28

JUNE 4  
U.S.C.G.S.  
54N, 165W  
Unimak Island region  
H = 00 40 35  
Resolute  
eL 00 58.5  
Victoria  
eP 00 46 08

JUNE 4  
U.S.C.G.S.  
10 1/2S, 166 1/2E  
Santa Cruz Island  
H = 11 14 50  
Halifax  
iP' 11 33 53 c?  
Horseshoe Bay  
iP 11 27 33 c  
Ottawa  
iP' 11 33 37  
Seven Falls  
eP' 11 33 42  
Shawinigan Falls  
eP' 11 33 40 c  
Victoria  
eP 11 27 30 c

JUNE 4  
Ottawa  
eP 16 05 58  
Shawinigan Falls  
eP 16 05 50

JUNE 4  
U.S.C.G.S.  
17 1/2S, 178W  
Fiji Island  
H = 17 05 02  
h = 550 km  
Halifax  
iP' 17 22 57 d  
i(pPP) 17 25 40 c



DOMINION OBSERVATORIES

Horseshoe Bay	Kirkland Lake	Shawinigan Falls
iP 17 16 36 c,N,E	e(P') 20 38 25	iP 07 21 43 c
e 17 18 41	e 20 39 57	
eS 17 26 03	e 20 40 52	
Kirkland Lake	Resolute	JUNE 5
eP' 17 22 35	e 21 10 22	U. S. C. G. S.
e 17 23 11	e 21 18 01	Southern Alaska
Ottawa	Shawinigan Falls	H = 08 26 53
eP' 17 22 41	eP' 20 37 28 d	Halifax
ePP 17 23 30		eP 08 35 49
epPP 17 25 23	JUNE 4	Horseshoe Bay
eSKS 17 28 29	Resolute	eP 08 31 19
e 17 29 33	e 23 19 46	Kirkland Lake
eS 17 30 23	e 23 29 21	eP 08 34 30 c
e 17 31 20		Ottawa
eSS 17 38 16		iP 08 35 02 c
Resolute	JUNE 5	Resolute
ePP 17 22 43	Resolute	iP 08 32 07
eSKS 17 28 01	e(P) 01 42 01	eS 08 36 14
eS 17 29 27	e 01 42 32	Shawinigan Falls
eSPP 17 32 14		eP 08 35 06 c
esSP 17 34 46		Victoria
eSS 17 37 02		eP 08 31 25
Seven Falls	JUNE 5	
ePP 17 23 54	U. S. C. G. S.	JUNE 5
eSKS 17 28 43	52 1/2N, 35W	Resolute
e 17 29 56	North Atlantic ocean	e 09 58 18
e 17 32 38	H = 07 16 17	e 09 58 33
Shawinigan Falls	Halifax	e 10 01 27
eP' 17 22 44 d	iP 07 20 56 c,S,W	e 10 01 46
Victoria	iS 07 24 38	
iP 17 16 33 c,N,E	e 07 24 48 NW	
e 17 18 39	Kirkland Lake	
	eP 07 22 17	JUNE 5
	e 07 30 05	U. S. C. G. S.
JUNE 4	Ottawa	53N, 162 1/2E
Resolute	iP 07 22 05 c	Off east coast
e(P') 17 47 07	eS 07 26 40	of Kamchatka
Horseshoe Bay	Resolute	H = 13 57 42
eP 17 41 36	eP 07 22 47 d	Halifax
	i 07 22 47.5 c	iP 14 09 26 c
	eS 07 27 38	Horseshoe Bay
JUNE 4	Seven Falls	iP 14 05 58 d
U. S. C. G. S.	eP 07 21 28	Kirkland Lake
Central Sumatra	i 07 21 41	eP 14 08 31 d?
H = 20 18 05	esP 07 21 58	Ottawa
Halifax	ePP 07 22 14	iP 14 08 55 d
eP' 20 37 28	eS 07 25 47	ePP 14 11 32

SEISMOLOGICAL BULLETIN - 1957

Resolute	Ottawa	Halifax
iP 14 05 44 c	iP 05 48 29 c	eP 00 16 09 c
iPP 14 07 33	eS 05 56 34	Ottawa
eS 14 12 12	Resolute	eP 00 16 19 c
Seven Falls	iP 05 45 40	Shawinigan Falls
eP 14 08 59	ePP 05 47 06	iP 00 16 19 c
Shawinigan Falls	iP <sub>C</sub> P 05 48 01	
eP 14 08 57 d	e 05 50 42	
Victoria	eS <sub>C</sub> S 05 55 53	JUNE 7
eP 14 06 01 d	Seven Falls	Horseshoe Bay
	eP 05 48 37	eP 01 38 47
	Shawinigan Falls	
JUNE 6	eP 05 48 34 c	JUNE 7
U. S. C. G. S.	Victoria	U. S. C. G. S.
52N, 178W	eP 05 44 46	51 1/2N, 179W
Andreanof Islands,		Andreanof Islands,
Aleutian Islands	JUNE 6	Aleutian Islands
H = 03 30 22	U. S. C. G. S.	H = 02 46 40
Halifax	3N, 126 1/2E	Horseshoe Bay
eP 03 41 28	Molucca Passage	eP 02 53 33
Horseshoe Bay	H = 19 49 47	Resolute
eP 03 37 13	Halifax	eS 02 59 58
Kirkland Lake	eP' 20 09 04	Victoria
eP 03 40 21	Kirkland Lake	eP 02 53 35
Ottawa	eP' 20 08 48	
iP 03 40 49 d	Ottawa	JUNE 7
eP <sub>C</sub> P 03 41 27	iP' 20 08 57 d	Victoria
Resolute	Resolute	iP 04 58 38.1
ePP 03 39 31	iP 20 03 26	iS 04 58 43.0
eP <sub>C</sub> P 03 40 01	e 20 12 59	
eS 03 43 45	eS 20 13 59	
Shawinigan Falls	eSS 20 21 20	
eP 03 40 51	Shawinigan Falls	JUNE 7
Victoria	iP' 20 08 56 d	U. S. C. G. S.
iP 03 37 16		Fiji Islands
JUNE 6		H = 20 52 25
U. S. C. G. S.	JUNE 6	Horseshoe Bay
52N, 171 1/2W	Resolute	eP 21 05 02 c?
Fox Islands,	e 21 42 12	Victoria
Aleutian Islands	e 22 03 50	eP 21 05 00 c?
H = 05 38 27		
Halifax	JUNE 7	JUNE 8
eP 05 49 13 c	U. S. C. G. S.	U. S. C. G. S.
Kirkland Lake	44 1/2N, 81E	3S, 147 1/2E
eP 05 48 01 c	Sinkiang Prov., China	Bismark Sea
e 05 48 15	H = 00 03 17	H = 03 23 33
		Resolute
		e 04 14 12



DOMINION OBSERVATORIES

JUNE 8  
U. S. C. G. S.  
2 1/2S, 150E  
New Ireland  
H = 06 07 47  
Resolute  
eL 06 44.6  
Horseshoe Bay  
eP 06 20 50

JUNE 8  
U. S. C. G. S.  
16 1/2S, 173 1/2W  
Tonga Islands  
H = 17 12 03  
Victoria  
eP 17 24 08 d

JUNE 8  
U. S. C. G. S.  
19 1/2S, 168E  
Loyalty Island  
H = 22 26 17  
Ottawa  
eP' 22 45 13  
Resolute  
eL 23 27 55  
Seven Falls  
eP' 22 45 21

JUNE 9  
Kirkland Lake  
eP 01 22 57

JUNE 9  
Resolute  
e(S) 01 48 02  
e 01 49 46

JUNE 9  
Resolute  
e 21 10 07

JUNE 10  
U. S. C. G. S.  
9S, 117E  
Sumbawa Island  
H = 00 59 54  
Halifax  
eP' 01 19 34 c  
i! 01 19 35 d  
ePKS 01 23 03  
eSKKS 01 29 30  
eSS 01 41 24  
Horseshoe Bay  
eP 01 18 42  
e 01 19 38  
e 01 22 03  
eS 01 25 20  
e 01 35.2  
Kirkland Lake  
eP' 01 19 15  
e 01 19 25  
e 01 19 56  
e 01 20 17  
ePKS 01 22 43  
i! 01 22 45  
Ottawa  
eP' 01 19 25 c  
ePKS 01 22 54  
ePPP 01 25 36  
eSKKP 01 31 19  
eSS 00 40 40  
Resolute  
ePP 01 19 10  
e 01 24 57  
ePS 01 28 27  
eSS 01 34 30  
Seven Falls  
eP' 01 19 23  
ePKS 01 22 53  
eSKKP 01 31 22  
eSS 01 40 43  
Shawinigan Falls  
eP' 01 19 25  
esP' 01 20 02  
i 01 20 53  
ePP 01 22 00  
i 01 22 49  
ePKS 01 22 54  
e 01 23 09  
ePPP 01 24 57

eSKKS 01 29 13  
e 01 31 21  
Victoria  
eP 01 18 43  
i 01 19 41  
eS 01 25 18  
e 01 26 13  
e 01 35 29

JUNE 10  
U. S. C. G. S.  
13 1/2N, 143 1/2E  
Mariana Island  
H = 03 13 11  
h = 150 km  
Halifax  
eP' 03 31 46 d?  
Horseshoe Bay  
iP 03 25 20 c  
Ottawa  
eP' 03 31 37  
Resolute  
iP 03 25 36 d  
eS 03 35 42  
e 03 53 10  
Shawinigan Falls  
eP' 03 31 35  
Victoria  
iP 03 25 21 c

JUNE 11  
U. S. C. G. S.  
54N, 165W  
Unimak Island region  
H = 04 04 33  
Halifax  
eP 04 14 50  
Horseshoe Bay  
eP 04 07 11  
Kirkland Lake  
eP 04 13 41  
Ottawa  
eP 04 14 03  
Resolute  
eP 04 11 17  
ePP 04 12 34

SEISMOLOGICAL BULLETIN - 1957

eP<sub>C</sub>P 04 13 26  
eS 04 16 40  
Seven Falls  
eP 04 14 13  
Shawinigan Falls  
eP 04 14 08 d  
Victoria  
eP 04 10 08  
e 04 14 51

Ottawa  
eP' 15 08 25  
ePP 15 09 53  
ePPP 15 12 05  
eSKS 15 15 10  
eSKKS 15 16 30  
ePS 15 19 22  
e 15 21 30  
eSKKP 15 22 30  
eSS 15 26 12  
Resolute  
iP' 15 08 23 c  
iPP 15 09 30  
ePPP 15 11 59  
eSKS 15 15 15  
eSKKS 15 16 31  
iSP 15 18 52  
ePS 15 19 32  
esSS 15 26 18  
Seven Falls  
eP' 15 08 35  
ePPP 15 12 11  
eSKS 15 15 29  
eSKKS 15 17 06  
ePS 15 20 03  
eSS 15 26 35  
Shawinigan Falls  
eP' 15 08 33 d  
i 15 08 52  
ePP 15 09 57  
ePPP 15 12 08  
ePKKP 15 18 38  
eSKKP 15 22 18  
Victoria  
eP 15 02 54  
e 15 13 22

JUNE 11  
U. S. C. G. S.  
30S, 178W  
Kermadec Island  
H = 14 49 47  
h = 100 km  
Halifax  
eP' 15 08 44 c  
i 15 08 54 d  
ePKS 15 12 07  
eSKS 15 15 49  
eSKKS 15 17 33  
eSS 15 27.5  
Kirkland Lake  
eP' 15 08 25

JUNE 11  
U. S. C. G. S.  
18N, 120 1/2E  
Luzon, P. I.  
H = 18 49 24  
Halifax  
eP' 19 08 15  
ePS 19 19 07  
e 19 19 33  
ePPS 19 20 30  
eSS 19 25.0

Horseshoe Bay  
iP 19 02 40 d  
Kirkland Lake  
e 19 07.4  
e 19 08 45  
Ottawa  
iP' 19 08 10  
ePP 19 09 08  
ePS 19 18 40  
ePPS 19 19 50  
e 19 21 44  
eSS 19 24 16  
Resolute  
iP 19 02 01 c  
ePP 19 05 32  
ePPP 19 07 29  
iS 19 12 26  
Shawinigan Falls  
eP' 19 07 59  
ePP 19 08 59  
i 19 10 24  
ePPP 19 11 30  
Victoria  
iP 19 02 42 d

JUNE 11  
U. S. C. G. S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 23 59 09  
Banff  
eP 24 01 09  
i 24 01 23  
e 24 06 22  
Halifax  
eP 24 04 58 c  
eS 24 13 53  
Horseshoe Bay  
eP 24 00 39  
e 24 03 23  
e(S) 24 05 59  
e 24 09.1  
Kirkland Lake  
eP 24 03 50 c  
Ottawa  
eP 24 04 17 c  
eS 24 12 39  
ePS 24 13 26



DOMINION OBSERVATORIES

Resolute	JUNE 12	Resolute
eP 24 01 24	U. S. C. G. S.	eP 10 48 04
e 24 03 03	11S, 78W	iP 10 48 05 c
eP <sub>c</sub> P 24 03 30	Near coast of Peru	iPP 10 49 36
eS 24 07 41	H = 10 02 37	e 10 53 21
eS <sub>c</sub> S 24 11 32	Ottawa	eS 10 53 54
e 24 13 36	eP 10 12 20	eS <sub>c</sub> S 10 58 10
Seven Falls	Seven Falls	Saskatoon
eP 24 04 24 c	eP 10 12 37 d	eP 10 48 13
Shawinigan Falls	Shawinigan Falls	eS 10 54 17
iP 24 04 20 c	eP 10 12 32	Seven Falls
Victoria		eP 10 51 03 c
eP 24 00 39		eP <sub>c</sub> P 10 51 45
	JUNE 13	ePPP 10 55 06
JUNE 12	U. S. C. G. S.	eS 10 59 27
Ottawa	57 1/2N, 175W	eS <sub>c</sub> S 11 01 13
eP 00 09 30 c	Andreanof Islands,	eP'P' 11 20 20
Shawinigan Falls	Aleutian Islands	Shawinigan Falls
eP 00 09 35 d	H = 10 40 38	iP 10 51 00 c
	Alberni	e 10 51 58
	eP 10 47 10	ePP 10 53 19
	Banff	eS 10 59 21
	eP 10 47 46 c	eS <sub>c</sub> S 11 00 49
	e 10 50 12	Victoria
JUNE 12	eS 10 53 35	iP 10 47 16 c,E
U. S. C. G. S.	Halifax	eS 10 52 29
41 1/2N, 142 1/2E	eP 10 51 37 c	e 10 53 21
Hokkaido, Japan	eS 11 00 30 SE	eL 10 54.7
H = 08 28 34	Horseshoe Bay	
Banff	eP 10 47 15 c?	JUNE 13
iP 08 39 18 c	eS 10 52 31	U. S. C. G. S.
Halifax	eL 10 54 06	3S, 101E
iP 08 41 40 c	Kirkland Lake	Near coast of
Horseshoe Bay	iP 10 50 28 c	Sumatra
iP 08 38 58 c,S,E	i 10 51 44	H = 20 21 42
Kirkland Lake	iS 10 58 21 E	h = 150 km
iP 08 41 00 c	Ottawa	Halifax
Ottawa	iP 10 50 56 c	eP' 20 44 01
iP 08 41 20 c	eP <sub>c</sub> P 10 51 38	Shawinigan Falls
Resolute	ePPP 10 55 09	iP' 20 40 44 d
iP 08 38 28 c	eS 10 59 16	eSKP 20 43 59
eS 08 46 28	ePS 11 00 02	
eSS 08 50 14	eS <sub>c</sub> S 11 00 48	JUNE 13
Seven Falls	eSS 11 03 40	U. S. C. G. S.
eP 08 41 19 c	eP'P' 11 20 17	1/2N, 123 1/2E
Shawinigan Falls		Northern Celebes
iP 08 41 20 c		H = 21 27 18
Victoria		
iP 08 38 - c		
Minute marks missing		



SEISMOLOGICAL BULLETIN - 1957

Halifax	Victoria	Banff
eP' 21 46 28	eP 06 31 03 d	iP 18 25 04 d
e 21 46 39	eS 06 36 14	Halifax
Kirkland Lake		eP 18 29 03 c
eP' 21 46 25	JUNE 14	eS 18 37 43 E
Ottawa	U. S. C. G. S.	Horseshoe Bay
eP' 21 46 32	32N, 67E	eP 18 24 33
eSKP 21 49 43	Southern Afghanistan	i(P <sub>c</sub> P) 18 27 33
Shawinigan Falls	H = 11 36 49	eS 18 29 31
eP' 21 46 32 d	Resolute	eL 18 32.8
eSKP 21 49 43	eL 12 15.4	Kirkland Lake
		eP 18 27 52 c
JUNE 14		eS 18 35 31
U. S. C. G. S.	JUNE 15	Ottawa
52N, 175 1/2W	U. S. C. G. S.	eP 18 28 20 c
Andreanof Islands,	34S, 56E	eP <sub>c</sub> P 18 29 23
Aleutian Islands	Indian Ocean	ePP 18 30 28
H = 06 24 20	H = 00 44 15	eS 18 36 24
Alberni	Banff	eSSS 18 43 10
eP 06 30 52	eP' 01 05 00	Resolute
Banff	Halifax	iP 18 25 31 c
eP 06 31 30 c	eP' 01 03 34	ePP 18 26 54
Halifax	ePKS 01 07 00	eP <sub>c</sub> P 18 27 51
eP 06 35 18 c	Kirkland Lake	eS 18 30 55
Horseshoe Bay	eP' 01 03 51 d	eS <sub>c</sub> S 18 35 42
eP 06 31 02	i 01 03 52 c	Seven Falls
e 06 32 40	Ottawa	eP 18 28 29
iS 06 36 17	eP' 01 03 37	eS 18 36 36
eL 06 40.3	ePKS 01 06 55	eS <sub>c</sub> S 18 38 42
Kirkland Lake	Resolute	Shawinigan Falls
eP 06 34 11	iP' 01 03 39	eP 18 28 25
Ottawa	ePP 01 06 14	Victoria
eP 06 34 38 c	eSKSP 01 16 38	eP 18 24 33
eP <sub>c</sub> P 06 35 21	eSS 01 24 35	eS 18 29 35
ePPP 06 38 42	Seven Falls	eL 18 32.6
eP'P' 07 03 53 d	ePKS 01 06 43	
Resolute	ePS 01 15 40	JUNE 16
eP 06 31 45 c?	Victoria	U. S. C. G. S.
iPP 06 33 23	e 01 05 19	53N, 169W
iS 06 37 35		Fox Islands,
Seven Falls		Aleutian Islands
eP 06 34 45	JUNE 15	H = 02 17 23
eP <sub>c</sub> P 06 35 26	U. S. C. G. S.	Resolute
eS 06 43 06	52N, 171W	eL 02 36.8
eSS 06 47 43	Fox Islands,	
eSSS 06 49 46	Aleutian Islands	
	H = 18 18 20	



DOMINION OBSERVATORIES

JUNE 16  
Ottawa  
eP 08 40 49

JUNE 16  
Resolute  
eL 09 01.4

JUNE 16  
Kirkland Lake  
eP 12 16 32  
Ottawa  
eP 12 16 08

JUNE 17  
U. S. C. G. S.  
15S, 173 1/2W  
Samoa Islands region  
H = 06 16 44  
Banff  
eP 06 29 12  
Resolute  
eS 06 41 15  
e 07 03 10  
eL 07 05.5

JUNE 17  
Ottawa  
eP 06 46 50 c

JUNE 17  
U. S. C. G. S.  
52N, 174 1/2W  
Andreanof Islands,  
Aleutian Islands  
H = 07 32 25  
Ottawa  
eP 07 42 40 c

JUNE 18  
U. S. C. G. S.  
14 1/2N, 96E  
Gulf of Martaban, Burma  
H = 02 12 12  
Kirkland Lake  
eP' 02 31 02  
Ottawa  
eP' 02 31 08  
ePP 02 32 32  
Resolute  
eP 02 25 18  
ePP 02 28 53  
eS 02 35 49  
eSS 02 42 27  
eL 02 49.8

JUNE 18  
U. S. C. G. S.  
Near south coast of  
Hokkaido, Japan  
H = 05 45 19  
Horseshoe Bay  
eP 05 55 40 d?  
Ottawa  
iP 05 58 03  
Resolute  
iP 05 55 11 d  
Victoria  
eP 05 55 43

JUNE 18  
U. S. C. G. S.  
18N, 120 1/2E  
Northern Luzon, P. I.  
H = 11 18 53  
h = 60 km  
Resolute  
iP 11 31 27 d  
i 11 34 00  
iS 11 41 55  
eL 11 58.3

JUNE 18  
Victoria  
eP 12 32 06

JUNE 18  
Resolute  
eP 13 40 09 c  
i 13 40 10 d

JUNE 18  
U. S. C. G. S.  
14N, 96E  
Burma aftershock  
H = 14 48 17  
Kirkland Lake  
eP' 15 07 09  
Ottawa  
ePP 15 08 39  
Resolute  
eP 15 01 25  
ePP 15 04 57  
eS 15 11 53  
eSS 15 17 45  
eL 15 25.8  
Victoria  
eL 15 45.2

JUNE 18  
Ottawa  
i(P) 17 52 05 d  
Resolute  
e 17 49 10

JUNE 18  
U. S. C. G. S.  
25S, 170E  
Loyalty Island region  
H = 17 56 03  
Banff  
e 18 14 01  
Halifax  
eP' 18 15 29  
e 18 19 07

SEISMOLOGICAL BULLETIN - 1957

Horseshoe Bay  
e 18 09 35  
e 18 13 26  
Kirkland Lake  
eP' 18 15 05  
Ottawa  
eP' 18 15 07 d  
Resolute  
eP' 18 14 53  
eS 18 23 57  
e 18 25 26  
eSS 18 31 50  
Seven Falls  
eP' 18 15 14 d  
ePS 18 27 03  
ePPS 18 28 30  
Shawinigan Falls  
eP' 18 15 12  
Victoria  
e 18 09 36  
e 18 20 44

JUNE 18  
Resolute  
e(P) 21 30 59

JUNE 19  
U. S. C. G. S.  
24S, 175 1/2W  
Tonga Islands  
H = 01 29 48  
Banff  
eP 01 42 02  
Horseshoe Bay  
eP 01 42 41  
Ottawa  
eP' 01 48 34  
Resolute  
ePP 01 48 51  
eS 01 55 00  
ePS 01 58 32  
eSS 02 04 24  
Shawinigan Falls  
eP' 01 48 43  
Victoria  
eP 01 42 34

JUNE 19  
U. S. C. G. S.  
51N, 179E  
Rat Island,  
Aleutian Islands  
H = 05 21 37  
Halifax  
eP 05 32 52  
Ottawa  
eP 05 32 16  
Resolute  
eP 05 29 18 c  
Shawinigan Falls  
eP 05 32 17

JUNE 19  
Shawinigan Falls  
eP 06 49 24

JUNE 19  
U. S. C. G. S.  
16 1/2S, 176 1/2E  
Fiji Islands  
H = 08 01 30  
Banff  
eP 08 14 28  
Halifax  
eP' 08 20 30  
ePS 08 32 00  
eSS 08 39 07  
eSSS 08 43 37

Horseshoe Bay  
eP 04 14 05  
Ottawa  
eP' 08 20 15  
eSKS 08 26 42  
ePS 08 30 38  
eSS 08 36 48  
Resolute  
ePP 08 20 02  
eS 08 26 15  
Seven Falls  
eP' 08 20 22  
eSKS 08 27 18  
ePS 08 31 15  
eSS 08 37 22

Shawinigan Falls  
eP' 08 20 19  
Victoria  
eP 08 13 57

JUNE 19  
Halifax  
iP 23 41 35  
Ottawa  
iP 23 40 49 c  
Shawinigan Falls  
iP 23 40 53 c

JUNE 20  
U. S. C. G. S.  
20N, 145 1/2E  
Mariana Islands  
H = 01 06 25  
Banff  
eP 01 18 41 d

Horseshoe Bay  
iP 01 18 18 d,N,W  
iS 01 27 54  
Resolute  
iP 01 18 32 d  
eS 01 28 16  
Shawinigan Falls  
eP' 01 24 58  
Victoria  
iP 01 18 19 d,N,W  
iS 01 27 54

JUNE 21  
U. S. C. G. S.  
48N, 155E  
Kurile Island region  
H = 18 38 03  
Kirkland Lake  
eP 18 49 35  
Ottawa  
eP 18 49 57  
Resolute  
iP 18 46 52 c  
eS 18 53 50  
eS<sub>c</sub>S 18 56 27



DOMINION OBSERVATORIES

Schefferville	Saskatoon	Resolute
eP -- -- -- d	iP 06 26 22	eP 19 33 05 c?
Shawinigan Falls	iS 06 32 10	eS 19 41 44
eP 18 49 58	Seven Falls	Shawinigan Falls
	eP 06 26 13 c	eP 19 29 45
	i 06 26 27	
JUNE 22	esP 06 26 56	
U. S. C. G. S.	ePP 06 27 40	JUNE 22
16N, 94W	e 06 28 02	U. S. C. G. S.
Near coast of Chiapas,	eP <sub>C</sub> P 06 28 39	1 1/2S, 137E
Mexico	eS 06 31 27	Near north coast
H = 06 19 06	e 06 32 43	of New Guinea
Halifax	e 06 33 20	H = 23 50 23
eP 06 26 32 c,N,E	eSS 06 34 00	Halifax
i 06 26 50	eL 06 35.0	eP' 24 09 48
i 06 27 24	Shawinigan Falls	i 24 09 52 c
iPP 06 28 04 NE	eP 06 26 07	e(PP) 24 12 14
i 06 28 44	ePP 06 27 30	iPKS 24 13 18
i 06 29 03	e 06 28 01	i 24 13 26
eS 06 32 30	eP <sub>C</sub> P 06 28 40	eSS 24 30 06
e 06 33 04	e 06 29 57	Horseshoe Bay
iL 06 35 28 SW	eS 06 31 30	eP 24 04 04
Horseshoe Bay	eSS 06 33 45	ePP 24 08 04
iP 06 26 52 d,S,E	eL 06 34.6	eS 24 14 45
iS 06 33 01	Victoria	eL 24 30 45
eL 06 42.6	iP 06 26 48 d,S,E	Kirkland Lake
Kirkland Lake	eS 06 32 52	eP' 24 09 27
eP 06 25 52 c		e 24 11 13
i 06 26 12	JUNE 22	Ottawa
i 06 26 32 c	Ottawa	eP' 24 09 32
eS 06 31 11	iP <sub>n</sub> 13 42 05	i 24 09 48
Ottawa	i 13 42 22	esP 24 10 13
eP 06 25 43 c	iS <sub>n</sub> 13 42 30	e 24 11 05
epP 06 26 06	D = 150 km	ePP 24 11 35
esP 06 26 20		ePKS 24 13 00
ePP 06 26 55		ePPP 24 14 27
ePPP 06 27 10	JUNE 22	eSKKS 24 18 30
eP <sub>C</sub> P 06 28 27	U. S. C. G. S.	eSKKP 24 21 55
eS 06 31 00	16N, 45 1/2W	ePPS 24 23 40
eP <sub>C</sub> S 06 32 06	Mid-Atlantic ocean	Resolute
eSS 06 33 14	H = 19 22 22	eP 24 04 15 d?
eS <sub>C</sub> S 06 36 06	Halifax	e 24 07 37
Resolute	eP 19 29 07	ePP 24 08 30
iP 06 29 06 c	Kirkland Lake	ePPP 24 10 49
ePPP 06 32 38	eP 19 30 24	eS 24 15 04
iS 06 37 04	Ottawa	Saskatoon
eS <sub>C</sub> S 06 38 47	eP 19 29 54	e 24 04 54
		e 24 09 14
		e 24 15 24

SEISMOLOGICAL BULLETIN - 1957

Seven Falls	Ottawa	Shawinigan Falls
eP' 24 09 34	eP 03 34 27	e 06 39 55
i 24 09 51	e 03 34 30	eL 06 41 15
ePP 24 11 47	i 03 34 36	
ePKS 24 12 59	ePP 03 35 59	
eSKKP 24 21 56	ePPP 03 36 35	JUNE 23
ePPS 24 23 29	eS 03 40 36	Resolute
e 24 26 06	eSS 03 43 12	e(S) 17 09 32
eSS 24 28 48	eS <sub>C</sub> S 03 44 32	
eSSS 24 34 06	e 03 47 22	JUNE 24
eL 24 43.3	eL 03 50.0	U. S. C. G. S.
Shawinigan Falls	Resolute	16N, 94W
eP' 24 09 33	iP 03 32 09 c	Mexico aftershock
Victoria	iS 03 36 30	H = 09 49 47
ePP 24 03 56	Saskatoon	Banff
	eP 03 31 19	eP 09 57 17
	eS 03 34 56	Halifax
JUNE 23	Seven Falls	eP 09 57 31
Resolute	eP 03 34 42	Horseshoe Bay
eP 03 05 09	i 03 35 15	e 09 57 50
e 03 11 58	eS 03 40 43	Kirkland Lake
e 03 12 13	eSSS 03 44 10	eP 09 56 31 c
	e 03 48 01	e 09 57 12
JUNE 23	eL 03 50.3	Ottawa
U. S. C. G. S.	Shawinigan Falls	eP 09 56 22
58 1/2N, 137W	eP 03 34 37	Resolute
Near coast of south-	e 03 36 16	eP 09 59 55
eastern Alaska	Victoria	eS 10 07 41
H = 03 27 02	eP 03 30 04	Seven Falls
Halifax	eS 03 33 02	eP 09 56 53
eP 03 35 31	eL 03 33 48	Shawinigan Falls
eG 03 45 38		eP 09 56 43
eL 03 50 30	JUNE 23	Victoria
e(L <sub>g</sub> ) 03 51 00	U. S. C. G. S.	eP 09 57 45
i' L <sub>g</sub> 03 51 26	East central Tennessee	
Horseshoe Bay	H = 06 34 18	JUNE 24
eP 03 30 01	Kirkland Lake	U. S. C. G. S.
eS 03 32 58	e 06 39 27	About 150 miles
eL 03 33 25	eL <sub>g</sub> 06 40 46	southeast of Java
Kirkland Lake	Ottawa	H = 11 21 11
eP 03 33 57 c?	eP 06 36 57	Halifax
eL <sub>g</sub> 03 45 05	eS 06 39 03	eP' 11 40 56
	eSS 06 39 18	Resolute
	e 06 40 06	e 11 47 35
	Seven Falls	
	e 06 41 57	
	eL 06 43 12	



DOMINION OBSERVATORIES

JUNE 24	Kirkland Lake	Ottawa
Ottawa	eP 00 22 12 d, N,W	eP 00 48 34 d
iP <sub>n</sub> 21 21 27	eS 00 30 51 N,E	
iS <sub>n</sub> 21 21 36	Ottawa	JUNE 27
eL 21 21 40	iP 00 21 30 d	Ottawa
D = 70 km	ePP 00 24 26	eP 04 22 05 d
	ePPP 00 26 16	Seven Falls
JUNE 25	eS 00 31 28	eP 04 22 05
U. S. C. G. S.	eS <sub>c</sub> S 00 31 44	Shawinigan Falls
10N, 94E	ePS 00 32 16	eP 04 22 03 d
Andaman Island region	eSS 00 36 24	
H = 10 11 17	eSSS 00 39 44	
Resolute	Resolute	JUNE 27
e(PS) 10 37 07	iP 00 18 05	Banff
eL 11 01.6	ePP 00 20 04	eP 07 15 24
	iS 00 25 12	
	Saskatoon	JUNE 27
JUNE 26	iP 00 20 19	Resolute
U. S. C. G. S.	e 00 24 54	e 07 30 37
7 1/2S, 85 1/2E	eS 00 29 09	
Indian Ocean	eL 00 44.5	
H = 02 47 36	Seven Falls	JUNE 27
Resolute	eP 00 21 23 d	U. S. C. G. S.
e(SS) 03 20 42	eS 00 31 13	22S, 171E
e 03 41 17	ePS 00 32 17	Loyalty Islands region
	e 00 35 35	H = 12 49 51
	e 00 39 20	Ottawa
	eSSS 00 39 46	eP' 13 08 51
	eG 00 41.3	
JUNE 27	Shawinigan Falls	JUNE 27
U. S. C. G. S.	iP 00 21 25 d	Kirkland Lake
56 1/2N, 116E	ePP 00 24 23	eP 14 18 44
Northeast of Lake	ePPP 00 26 13	
Baikal, U. S. S. R.	eS 00 30 58	
H = 00 09 28	eSS 00 36 09	
Banff	Victoria	JUNE 28
iP 00 20 05 d	eP 00 20 06 d, N,W	U. S. C. G. S.
Halifax	iP <sub>c</sub> P 00 21 08 d	Fox Islands,
eP 00 21 38 d, N	ePP 00 22 30	Aleutian Islands
i' 00 21 39 c	ePPP 00 23 54	H = 04 58 03
i 00 21 44	eS 00 28 36	Resolute
e 00 31 08	iS 00 28 46	e(S <sub>c</sub> S) 05 15 34
iS 00 31 42	eS <sub>c</sub> S 00 29 57	eL 05 24.1
Horseshoe Bay	eSS 00 32 54	
iP 00 20 02 d, N,W		JUNE 27
ePP 00 22 30	Kirkland Lake	
ePPP 00 24 03	eP 00 48.5	
eS 00 28 44		
iS 00 28 57		

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JUNE 29	Victoria	Ottawa
Halifax	iP 07 54 07 d, W	eP 22 45 54
iP 00 22 58	i 07 57 23	Resolute
Kirkland Lake	eL 18 00.1	eP 22 42 29
eP 00 23 17		eP <sub>c</sub> P 22 44 00
		eS 22 49 26
	JUNE 29	Seven Falls
JUNE 29	U. S. C. G. S.	eP 22 45 47 c
U. S. C. G. S.	51 1/2N, 178W	Shawinigan Falls
32 1/2S, 72 1/2W	Andreanof Islands,	eP 22 45 49
Near coast of central Chile	Aleutian Islands	
H = 03 58 06	H = 10 49 42	JUNE 30
Halifax	Halifax	Alberni
eP 04 10 00 c?	eP 11 00 49	iP 11 52 02.1
Kirkland Lake	Horseshoe Bay	iS 11 52 16.4
eP 04 10 17 c	iP 10 56 35 c?	
Ottawa	Resolute	
eP 04 10 02 c	eP 10 57 28	
Seven Falls	eP <sub>c</sub> P 10 59 21	
eP 04 10 12 d	eS 11 03 06	
	Victoria	
	eP 10 56 36	
JUNE 29		
U. S. C. G. S.	JUNE 29	
51 1/2N, 166W	Kirkland Lake	
Fox Islands region,	e(S <sub>n</sub> ) 11 27 32	
Aleutian Islands	Ottawa	
H = 07 48 18	eP <sub>n</sub> 11 26 32.8	
Banff	eS <sub>n</sub> 11 27 15.6	
iP 07 54 38 d	eS <sub>1</sub> 11 27 40.8	
Halifax	D = 465 km	
eP 07 58 47 d?	Felt at London, Ontario	
Horseshoe Bay	Shawinigan Falls	
eP 07 54 06 d, N	eL 11 28 50	
e 07 58 50		
Kirkland Lake		
eP 07 57 32 d		
Ottawa	JUNE 29	
iP 07 58 02 d	U. S. C. G. S.	
eP <sub>c</sub> P 07 58 59	56N, 116 1/2E	
Resolute	Lake Baikal aftershock	
iP 07 55 22 d	H = 22 33 52	
iP <sub>c</sub> P 07 57 46	Banff	
eS 08 01 05	eP 22 44 31	
Seven Falls	Halifax	
eP 07 58 10 d	iP 22 46 02	
	Kirkland Lake	
	eP 22 45 36	





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# **Seismological Bulletin**

*Seismological Service  
of Canada*

**July - September  
1957**

***Dominion Observatory,  
Department of Mines and  
Technical Surveys, Ottawa***



## SEISMOLOGICAL BULLETIN - 1957

## NOTES

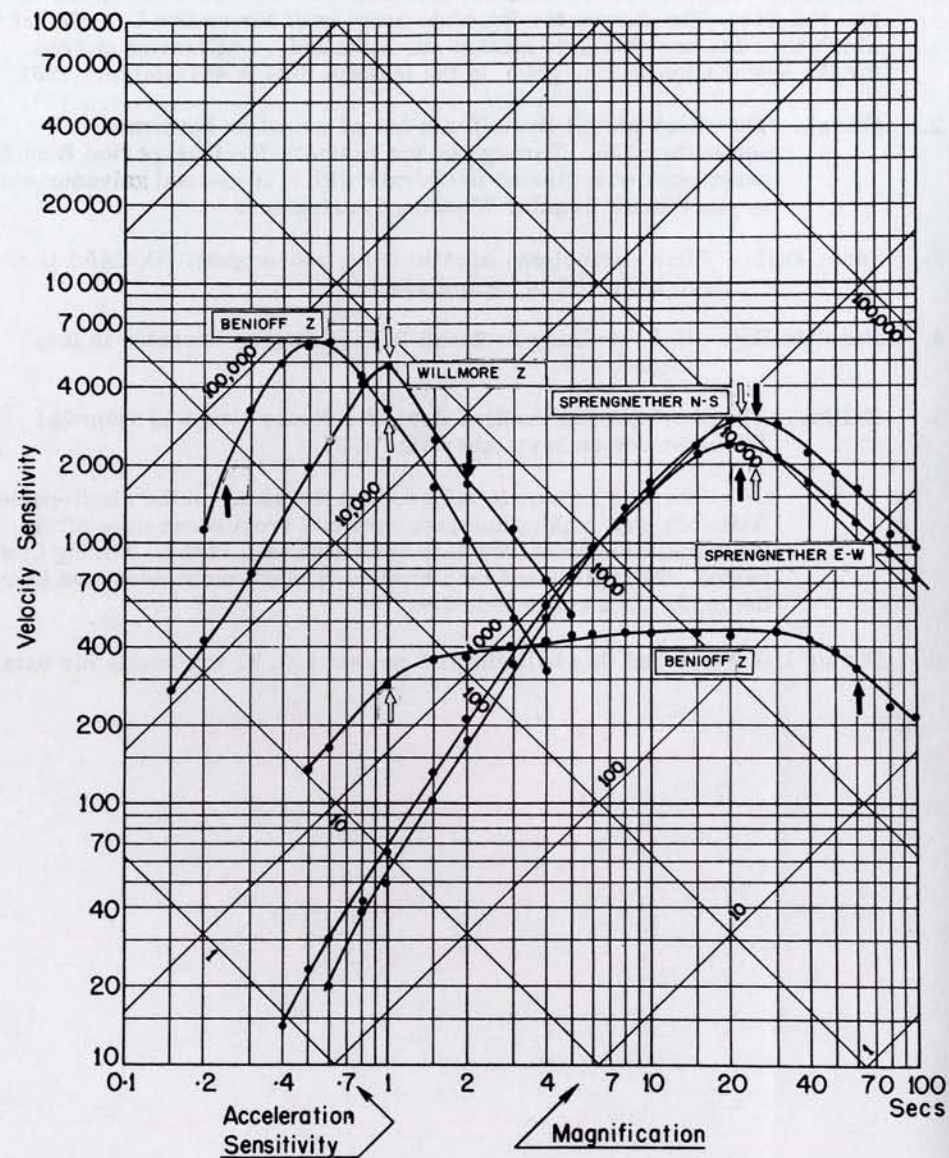
1. The calibration curves for Halifax, Resolute and Saskatoon are given on pp. 142-144. The curves for Resolute apply until November 6, 1957, at which time the new Resolute station was installed. Calibration curves for the new station will be given in the bulletin for the 4th quarter, 1957.
2. Ottawa. The short-period Benioff was out of operation between September 7-9. Throughout the quarter, the long-period Benioff seismometer continued to operate with a 20-second galvanometer in place of the regular 75-second instrument.
3. Seven Falls. Time corrections erratic from mid-August. Doubtful times are indicated by parentheses.
4. Resolute Bay. R. J. Halliday replaced D. F. Young as operator in late August.
5. Halifax. The short-period vertical Benioff seismometer was removed from service on September 4th, 1957.

There is reason to believe that the shunt on the short-period Willmore was making improper contact from some time after its installation on March 14th until Sept. 8th, 1957. During this period, the instrument may have been much more sensitive than the calibration curve indicates.

6. During I. G. Y. period this bulletin will contain I. G. Y. microseismic data.



STATION: HALIFAX



$\phi = 44^{\circ} 38' N$      $\lambda = 63^{\circ} 36' W$     Altitude 46 m

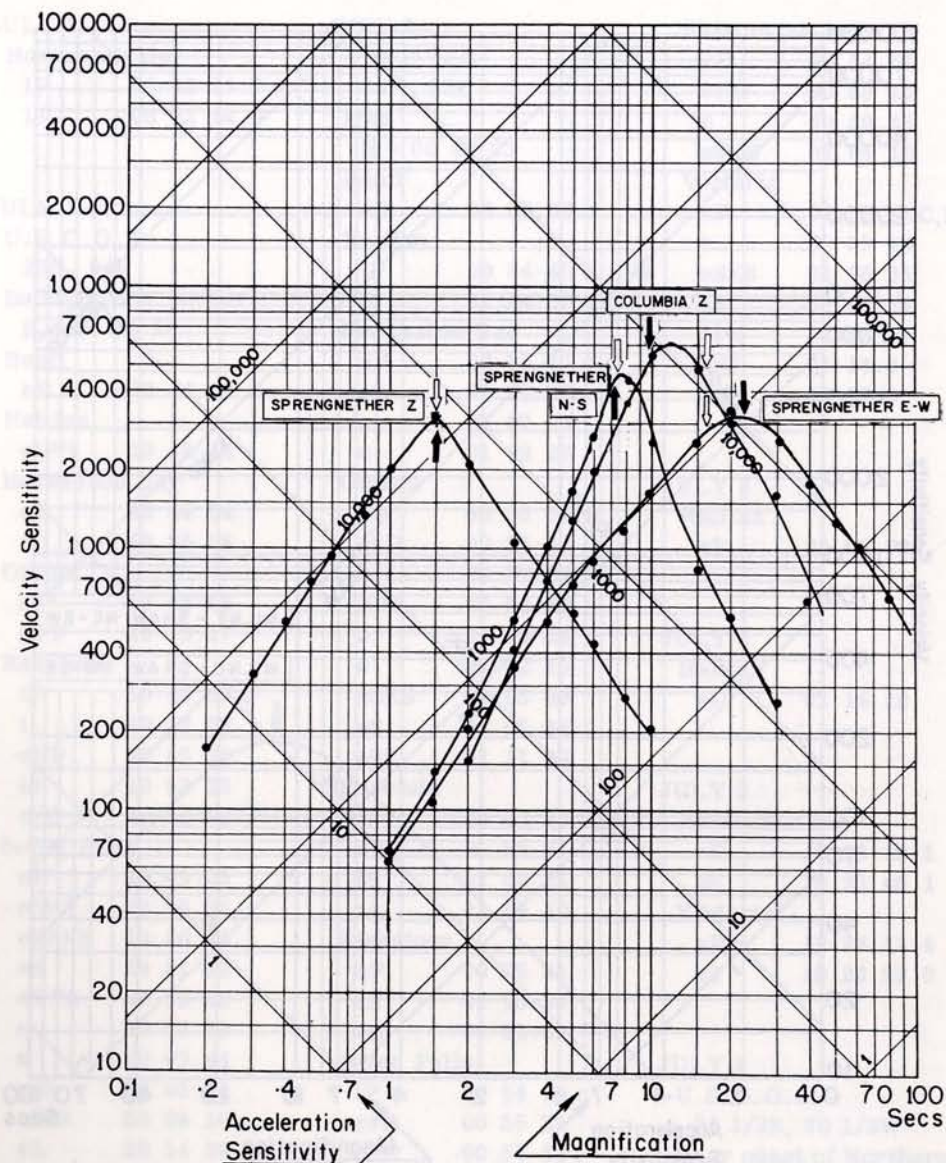
Foundation : Carbonaceous Slate

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: December 1956 and  
September 1957.

STATION: RESOLUTE OLD STATION



$\phi = 74^{\circ} 41' N$      $\lambda = 94^{\circ} 54' W$     Altitude 5 m

Foundation : Early Palaeozoic limestone

$T_s \uparrow$

$T_g \uparrow$

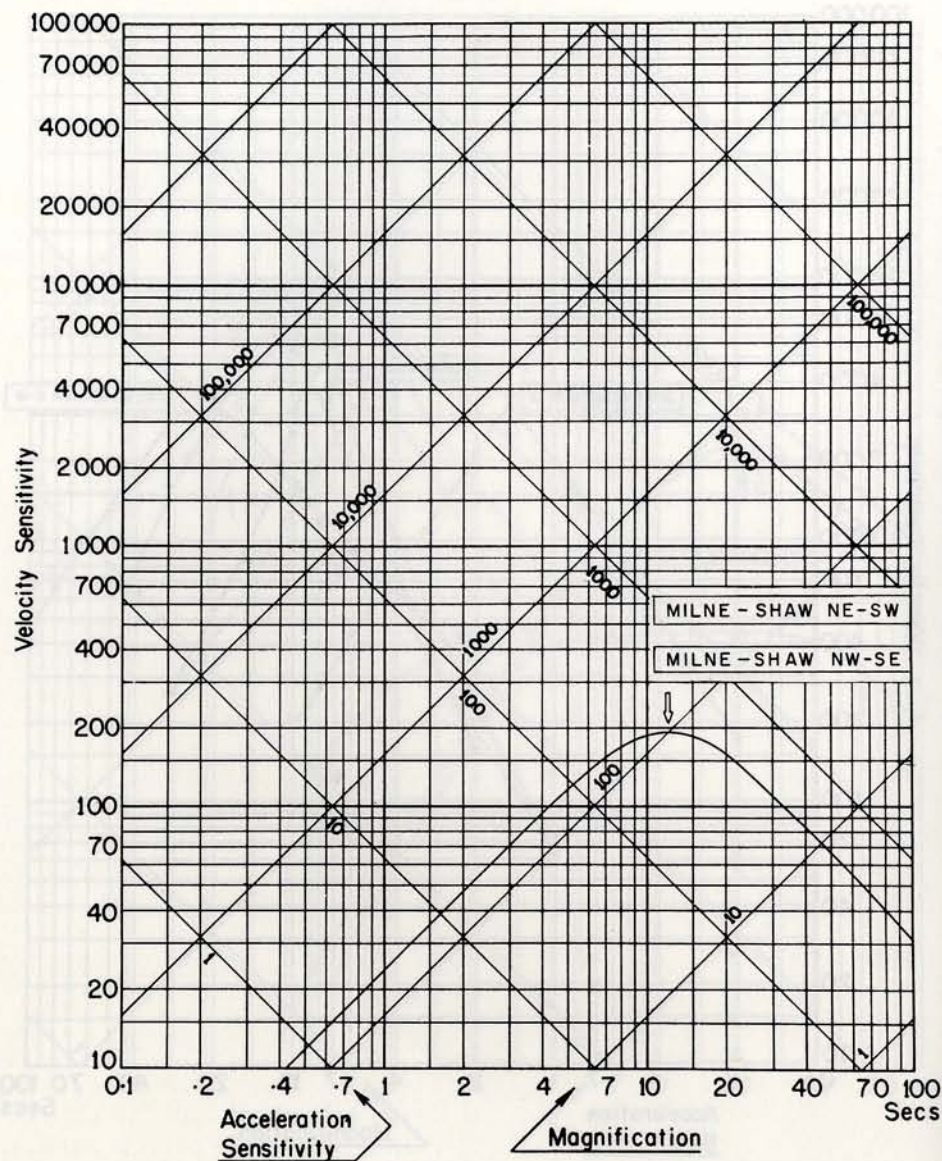
Date of Calibration: November 1957.



SEISMOLOGICAL BULLETIN - 1957

JULY - SEPTEMBER

STATION: SASKATOON



$\phi = 52^{\circ} 08' N$      $\lambda = 106^{\circ} 38' W$     Altitude 515 m

Foundation: Clay and Sand

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: -

JULY 1

Horseshoe Bay  
 iP 06 42 18.0 d  
 iS 06 42 44.0

JULY 1

U.S.C.G.S.  
 25N, 94E  
 India-Burma border  
 H = 19 30 16

Banff  
 eP 19 44 23

Halifax  
 e(P') 19 49 14

Horseshoe Bay  
 eP 19 44 04  
 e 19 55 08

Ottawa  
 eP' 19 48 53  
 ePP 19 49 17

Resolute  
 iP 19 42 32 c  
 i 19 42 52  
 ePP 19 45 28  
 iS 19 52 35  
 eSS 19 58 00

Seven Falls  
 eP' 19 49 05  
 eSKS 19 55 35  
 eSKKS 19 56 34  
 eS 19 57 10  
 ePPS 19 59 52  
 e 20 02 29  
 e 20 03 44  
 eSS 20 05 34  
 eSSS 20 09 10  
 eL 20 14 30

Shawinigan Falls  
 eP' 19 49 12

Victoria  
 eP 19 44 18  
 e 19 48 34

JULY 2

U.S.C.G.S.  
 36N, 53E  
 Iran  
 H = 00 42 23

Banff  
 eP 00 55 36 c

Halifax  
 iP 00 54 40 C,S,W  
 iS 01 04 52 S,E?

Horseshoe Bay  
 eP 00 55 46 c  
 eS 01 06 23

e 01 07 00  
 e 01 08 27

Ottawa  
 eP 00 55 07  
 esP 00 55 46  
 e 00 57 14  
 ePP 00 58 31  
 e 00 59 52  
 e 01 02 10  
 eSKS 01 05 00  
 eS 01 05 36  
 eSS 01 11 26

Resolute  
 iP 00 53 20 c  
 e 00 58 21  
 iS 01 02 21  
 eL 01 09 40

Saskatoon  
 eP 00 55 21  
 eS 00 05 59  
 eL 00 21.6

Seven Falls  
 iP 00 54 49 c  
 esP 00 55 29  
 ePP 00 57 51  
 ePPP 00 59 48  
 eSKS 01 05 12  
 ePS 01 05 41  
 ePPS 01 06 09  
 eSS 01 10 12  
 eL 01 16 09

Shawinigan Falls

eP 00 54 54  
 ePP 00 58 10  
 e 00 59 32  
 eSKS 01 05 16

Victoria

eP 00 55 53 C,S,W  
 e 00 59 43  
 eSKS 01 06 35  
 eS 01 07 14  
 ePS 01 08 27  
 eSS 01 14.4  
 eL 01 27.3

JULY 2

Halifax  
 eP 01 29 09

JULY 2

Halifax  
 eP 02 14 18

JULY 2

Horseshoe Bay  
 eP 19 23 19.1  
 eS 19 23 46.1

Victoria

eP 19 23 11.4  
 eS 19 23 32.0

JULY 2

U.S.C.G.S.  
 24 1/2S, 70 1/2W  
 Near coast of Northern  
 Chile  
 H = 21 52 20

Seven Falls

eP 22 03 42



DOMINION OBSERVATORIES

JULY 2  
 Horseshoe Bay  
 iP 22 59 17.4  
 iS 22 59 19.5

Resolute  
 iP 12 32 23 d  
 ePP 12 34 01  
 eP<sub>C</sub>P 12 34 23  
 eS 12 38 20  
 eL 12 41.8

JULY 3  
 Victoria  
 iP 00 46 18.4 c  
 eS 00 46 26.8

Seven Falls  
 eP 12 35 29 d  
 ePPP 12 39 32  
 eS 12 44 09  
 eSS 12 48 13

JULY 3  
 U.S.C.G.S.  
 52N, 159E  
 Near south coast of  
 Kamchatka  
 H = 01 47 40

Resolute  
 eS 02 02 46  
 eL 02 11.7

Victoria  
 eP 12 31 41  
 e 12 34 10

JULY 4  
 U.S.C.G.S.  
 4S, 102E  
 Near south coast of  
 Sumatra  
 H = 08 29 01  
 h = 100 km

JULY 3  
 U.S.C.G.S.  
 58N, 137W  
 Near coast of  
 southeastern Alaska  
 H = 09 09 14

Resolute  
 eS 09 18 33  
 eL 09 21.5

Seven Falls  
 eP' 08 48 16

Shawinigan Falls  
 iP' 08 48 16 d  
 ePP 08 51 02  
 e 08 51 14  
 ePKS 08 51 45  
 ePPP 08 53 41

JULY 3  
 U.S.C.G.S.  
 50 1/2N, 179W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 12 24 37

Halifax  
 eS 12 45 06

Horseshoe Bay  
 eP 12 31 38 d  
 e 12 34 08

Ottawa  
 eP 12 35 12  
 eS 12 43 53

JULY 4  
 Banff  
 eP 12 32 07

JULY 4  
 U.S.C.G.S.  
 34N, 137E  
 Near south coast of  
 Honshu, Japan  
 H = 12 31 20

Resolute  
 iP 12 42 13 d

JULY 4  
 U.S.C.G.S.  
 20N, 146E  
 Mariana Islands  
 H = 19 19 45  
 h = 150 km

Banff  
 eP 19 31 43

Horseshoe Bay  
 iP 19 31 25 d

JULY 4  
 U.S.C.G.S.  
 32N, 113W  
 Arizona-Mexico  
 foreshock  
 H = 22 25 13

Ottawa  
 ePP 22 32 29  
 eP<sub>C</sub>P 22 34 12  
 eSS 22 38 02  
 eS<sub>C</sub>S 22 42 24  
 eL 22 45.0

Resolute  
 eL 22 48.4

JULY 4  
 U.S.C.G.S.  
 31N, 114W  
 Arizona-Mexico  
 foreshock  
 H = 23 27 12

Ottawa  
 eP 23 33 40  
 eP<sub>C</sub>P 23 36 10  
 eSS 23 40 02  
 eS<sub>C</sub>S 23 44 30  
 eL 23 47 06

Resolute  
 e 23 50 40  
 e 23 55 08

SEISMOLOGICAL BULLETIN - 1957

JULY 5  
 U.S.C.G.S.  
 32N, 114W  
 Arizona-Mexico  
 border  
 H = 00 58 00

Ottawa  
 eP 01 04 30  
 ePP 01 05 08  
 eS<sub>C</sub>S 01 15 08  
 eL 01 17.6

Resolute  
 e(S<sub>C</sub>S) 01 16 07  
 eL 01 21.1

JULY 5  
 U.S.C.G.S.  
 28 1/2S, 179W  
 Kermadec Islands  
 H = 12 33 56

Resolute  
 eSS 13 09 46  
 eL 13 28 24

JULY 5  
 U.S.C.G.S.  
 Eastern Belgian  
 Congo  
 H = 15 32 00

Resolute  
 eL 16 18 43

JULY 6  
 Alberni  
 eP 09 53 32.2  
 eS 09 53 47.8

JULY 7  
 Resolute  
 e 01 58 10

JULY 7  
 U.S.C.G.S.  
 38 1/2N, 40E  
 Turkey  
 H = 05 58 48

Halifax  
 eP 06 10 20

Ottawa  
 eP 06 10 51 d

Resolute  
 eP 06 09 14  
 eL 06 25.8

Seven Falls  
 eP 06 10 31 d

Shawinigan Falls  
 eP 06 10 38

JULY 7  
 Alberni  
 iP 11 27 28.1  
 iS 11 27 34.0

JULY 7  
 Resolute  
 eL 16 23 16

JULY 7  
 U.S.C.G.S.  
 6 1/2S, 156E  
 Solomon Islands  
 H = 16 11 15

JULY 7  
 Halifax  
 eP' 16 30 26 c  
 i 16 30 27 d

Ottawa  
 eP' 16 30 11 c  
 ePP 16 31 40  
 ePPP 16 34 17

Resolute  
 eP 16 25 09  
 ePP 16 29 14  
 eS 16 35 41  
 e(PPS) 16 38 38

Seven Falls  
 eP' 16 30 14 c

Shawinigan Falls  
 iP' 16 30 13 d  
 ePP 16 31 50

JULY 7  
 Horseshoe Bay  
 eP 17 24 15

JULY 7  
 Resolute  
 eP 23 52 38  
 e 23 53 33

JULY 8  
 Horseshoe Bay  
 eP 05 25 30.6  
 e 05 25 56.5

Victoria  
 eP 05 25 21.4  
 eS 05 25 38.3  
 iS 05 25 39.8

JULY 8  
 U.S.C.G.S.  
 14 1/2N, 91W  
 Guatemala  
 H = 15 30 33  
 h = 150 km

Banff  
 eP 15 38 11

Halifax  
 eP 15 37 45 c  
 ePP 15 39 19 NE  
 eS 15 43 35

Horseshoe Bay  
 eP 15 38 28 d

Ottawa  
 iP 15 37 05 c  
 ePP 15 37 34  
 ePP 15 38 24  
 eS 15 42 22  
 eSSS 15 45 00  
 eS<sub>C</sub>S 15 47 04



DOMINION OBSERVATORIES

Resolute  
 eP 15 40 29  
 ePPP 15 44 11  
 eS 15 48 34  
 e 15 54 30  
 e(SSS) 15 55 24  
 ePS 15 59 16  
 e 15 59 37  
 e(SP) 16 00 45  
 Seven Falls  
 eP 15 37 31 c  
 epP 15 38 01  
 ePP 15 38 58  
 eS 15 43 10  
 e 15 43 46  
 eSSS 15 46 23  
 eL 15 50 19  
 Shawinigan Falls  
 eP 15 37 25  
 epP 15 37 52  
 ePP 15 38 43  
 eS 15 42 44

JULY 9  
 Halifax  
 eP 07 06 37  
 Seven Falls  
 eP 07 06 47 d

JULY 9  
 U.S.C.G.S.  
 6S, 104E  
 Near south coast of  
 Sumatra  
 H = 09 58 09  
 h = 60 km  
 Banff  
 eP' 10 17 06 c  
 Halifax  
 eP' 10 17 35  
 Ottawa  
 eP' 10 17 34  
 ePP 10 20 36  
 ePKS 10 21 11

Resolute  
 eP' 10 16 37  
 ePP 10 17 18  
 ePS 10 26 53  
 eL 10 53.2  
 Seven Falls  
 eP' 10 17 34  
 ePP 10 20 23  
 e 10 20 40  
 ePKS 10 21 06  
 Victoria  
 eP' 10 17 01

JULY 9  
 Resolute  
 e 20 33 57

JULY 9  
 U.S.C.G.S.  
 About 150 miles  
 north of Iceland  
 H = 20 35 06  
 Resolute  
 e 20 40 15  
 eL 20 47.4

JULY 9  
 Resolute  
 e 21 25 35  
 e 21 32 44

JULY 10  
 Halifax  
 iP 01 44 59  
 iS 01 45 04  
 iS 01 45 05

JULY 10  
 U.S.C.G.S.  
 52 1/2N, 170W  
 Fox Islands,  
 Aleutian Islands  
 H = 04 42 48

Resolute  
 eP 04 49 55  
 eS 04 55 51  
 eS<sub>c</sub>S 05 00 01  
 e 05 03 21  
 Victoria  
 eP 04 48 57

JULY 10  
 Resolute  
 e 06 18 14  
 e 06 18 34

JULY 10  
 U.S.C.G.S.  
 8N, 82 1/2W  
 Near coast of Panama  
 H = 09 04 08

Alberni  
 eP 09 13 39  
 iS 09 21 24  
 Banff  
 eP 09 13 25 c  
 Halifax  
 eP 09 11 52 d  
 e 09 12 27  
 e 09 17 08

Horseshoe Bay  
 eP 10 13 32 d  
 eS 10 20 03

Ottawa  
 iP 09 11 30 d  
 i 09 11 38  
 ePP 09 13 00  
 eP<sub>c</sub>P 09 13 52  
 eS 09 17 24  
 eSS 09 19 36  
 eL 09 20.3

Resolute  
 eP 09 15 03 d  
 i 09 15 04 c  
 ePP 09 17 04  
 eS 09 23 54  
 e 09 27 04  
 eL 09 31 32

SEISMOLOGICAL BULLETIN - 1957

Saskatoon  
 eP 09 12 57  
 eS 09 19 56  
 Seven Falls  
 iP 09 11 53 d  
 i 09 12 01  
 esP 09 12 32  
 eP<sub>c</sub>P 09 13 38  
 ePPP 09 14 04  
 e 09 16 30  
 eS 09 17 47  
 e 09 18 58  
 Shawinigan Falls  
 eP 09 11 44  
 Victoria  
 iP 09 13 31 C,N,W  
 eS 09 21 06  
 eL 09 27.4

JULY 12  
 Resolute  
 e 11 41 22  
 e 11 41 36  
 Victoria  
 eP 11 28 54

JULY 12  
 Horseshoe Bay  
 eP 16 11 44.3 d  
 eS 16 12 57

JULY 12  
 U.S.C.G.S.  
 3S, 148 1/2E  
 Bismark Sea  
 H = 20 56 18  
 Resolute  
 ePS 21 24 09  
 eL 21 42.8

JULY 12  
 U.S.C.G.S.  
 22 1/2N, 122 1/2E  
 Off east coast of  
 Formosa

H = 22 12 52  
 Resolute  
 eSS 22 40 18  
 eL 22 48.9

JULY 13  
 U.S.C.G.S.  
 52N, 169 1/2W  
 Fox Islands,  
 Aleutian Islands  
 H = 00 59 28

Alberni  
 eP 01 05 26  
 Halifax  
 eP 01 10 09  
 eS 01 18 45  
 e 01 19 03  
 Ottawa  
 eP 01 09 18  
 eS 01 17 24

Resolute  
 e(PPP) 01 08 20  
 eS 01 12 20  
 eS<sub>c</sub>S 01 16 50  
 Seven Falls  
 eP 01 09 32  
 eS 01 17 41  
 eS<sub>c</sub>S 01 19 21  
 eSS 01 21 59  
 Victoria  
 eP 01 05 36

JULY 13  
 U.S.C.G.S.  
 52 1/2N, 169 1/2W  
 Fox Islands,  
 Aleutian Islands  
 H = 01 48 18  
 Halifax  
 eP 01 59 09 c  
 Ottawa  
 eP 01 58 11

JULY 13  
 Victoria  
 eP 08 48 32.1  
 eS 08 48 46.6

JULY 13  
 U.S.C.G.S.  
 15S, 173W  
 Samoa Islands region  
 H = 09 32 05  
 Banff  
 eP 09 45 33 c  
 Horseshoe Bay  
 eP 09 44 06  
 Resolute  
 eSS 10 04 01  
 eL 10 13.6  
 Victoria  
 eP 09 44 03

JULY 13  
 U.S.C.G.S.  
 14 1/2S, 173 1/2W  
 Samoa Island aftershock  
 H = 13 58 45  
 Resolute  
 eSS 14 31 11  
 eL 14 41.7

JULY 13  
 Victoria  
 eP 20 31 07.5  
 eS 20 31 15.8

JULY 14  
 U.S.C.G.S.  
 46N, 151 1/2E  
 Kurile Islands  
 H = 02 26 54  
 Alberni  
 eP 02 36 18  
 Banff  
 iP 02 36 46 c  
 Horseshoe Bay  
 eP 02 36 23  
 Ottawa  
 eP 02 39 03 c  
 Resolute  
 iP 02 35 53 c  
 eS 02 43 21  
 eSS 02 46 55  
 e 02 51 51



DOMINION OBSERVATORIES

Seven Falls  
 eP 02 39 05  
 Victoria  
 eP 02 36 27

JULY 14  
 U.S.C.G.S.  
 27S, 178W  
 Kermadec Islands  
 region  
 H = 06 23 52  
 h = 150 km  
 Alberni  
 iP 06 36 37 d,S,W  
 eS 06 46 50  
 e 06 47 18  
 Banff  
 iP 06 37 02 d  
 Halifax  
 eP' 06 42 38 d  
 ePP 06 44 29  
 epPP 06 45 37  
 esPP 06 46 03  
 eS 06 52 23  
 e(SKKP) 06 55 31  
 eSS 07 01 19  
 Horseshoe Bay  
 iP 06 36 40 d  
 iS 06 46 51  
 e 06 47 18  
 Ottawa  
 iP' 06 42 22  
 epP' 06 43 12  
 e 06 43 30  
 ePP 06 44 22  
 e 06 44 35  
 ePPP 06 47 08  
 eSKS 06 48 56  
 e 06 49 25  
 eSKKS 06 50 10  
 eS 06 51 14  
 ePKKP 06 52 50  
 ePS 06 53 04  
 e 06 54 00  
 e 06 54 16  
 e 06 57 22  
 eSS 06 59 00

Resolute  
 iP 06 42 14 d  
 epPP 06 42 55  
 eSKKS 06 48 43  
 eS 06 49 54  
 eSPP 06 52.7  
 eSS 06 57.8

Saskatoon  
 eS 06 48 47  
 i 06 55 39

Seven Falls  
 ep' 06 42 30 d  
 epP' 06 43 21  
 ePP 06 44 00  
 eSKS 06 49 09  
 eSKKS 06 50 31  
 eS 06 52 05  
 ePKKP 06 52 31  
 ePS 06 53 31  
 ePPS 06 54 54  
 e 06 55 59  
 e 06 57 09  
 e 06 59 19  
 eSS 07 00 19  
 e 07 01 54  
 eSSS 07 05 16

Victoria  
 iP 06 36 38 d,S,W  
 iS 06 45 51  
 i 06 46 20  
 e 06 47 29

JULY 14  
 U.S.C.G.S.  
 30S, 177W  
 Kermadec Islands  
 H = 08 10 45  
 Alberni  
 eP 08 23 57  
 eS 08 35 05  
 e 08 35 30  
 Banff  
 eP 08 24 23  
 Halifax  
 eP' 08 29 53 c?  
 Horseshoe Bay  
 eP 08 24 01 c  
 eS 08 34 37

Ottawa  
 eP' 08 29 36  
 ePP 08 30 46  
 ePPP 08 33 19  
 eSKS 08 36 31  
 eSKKS 08 37 48  
 ePS 08 40 32

Resolute  
 iP' 08 29 30 c

Seven Falls  
 ep' 08 29 43 c  
 ePKS 08 33 15  
 eSKS 08 36 38  
 eSKKS 08 38 15  
 ePS 08 41 15  
 eSS 08 47 38

Victoria  
 eP 08 23 57 c  
 i 08 24 13  
 e 08 34 32  
 e 08 35 01

JULY 14  
 U.S.C.G.S.  
 20S, 174 1/2W  
 Tonga Islands  
 H = 09 42 27  
 Banff  
 eP 09 55 18  
 Horseshoe Bay  
 eP 09 54 50  
 Victoria  
 eP 09 54 55

JULY 15  
 U.S.C.G.S.  
 29N, 70E  
 West Pakistan  
 H = 23 08 08  
 Resolute  
 eP 23 19 55  
 eL 23 40 04

JULY 15  
 Horseshoe Bay  
 eP 23 25 52.0  
 eS 23 25 57.1

SEISMOLOGICAL BULL



JULY 16  
 Alberni  
 iP 02 42 08.6  
 iS 02 42 12.1

JULY 16  
 Alberni  
 eP 11 22 48  
 e 11 23 19  
 Victoria  
 eP 11 22 50  
 eS 11 33 00  
 e 11 33 20  
 eL 11 49

JULY 16  
 U.S.C.G.S.  
 Near east coast of  
 Borneo  
 H = 16 57 03  
 Resolute  
 eL 17 55 16

JULY 16  
 U.S.C.G.S.  
 54 1/2N, 164W  
 Unimak Islands,  
 Aleutian Islands  
 H = 19 23 42  
 Halifax  
 eP 19 33 52  
 Ottawa  
 eP 19 33 06  
 Resolute  
 eL 19 41 53  
 Seven Falls  
 eP 19 33 15 c  
 Shawinigan Falls  
 eP 19 33 11

JULY 17  
 U.S.C.G.S.  
 24 1/2S, 69W  
 Northern Chile  
 H = 05 12 53

Halifax  
 eP 05 24 21 c  
 Ottawa  
 eP 05 24 10  
 ePcP 05 24 25  
 Seven Falls  
 eP 05 24 19 c  
 ePcP 05 24 35  
 Shawinigan Falls  
 eP 05 24 16 c  
 ePcP 05 24 31

JULY 17  
 U.S.C.G.S.  
 53N, 170W  
 Fox Islands,  
 Aleutian Islands  
 H = 08 54 13  
 Ottawa  
 eP 09 04 15  
 Resolute  
 e(ScS) 09 11 31  
 Shawinigan Falls  
 eP 09 04 20

JULY 17  
 U.S.C.G.S.  
 11S, 167E  
 Santa Cruz Island  
 H = 11 10 10  
 Banff  
 eP 11 23 16 c  
 e 11 23 48  
 Halifax  
 eP' 11 29 12 d?  
 ePP<sub>1</sub> 11 31 05  
 ePP<sub>2</sub> 11 31 32  
 Horseshoe Bay  
 iP 11 22 51 c  
 e 11 23 22  
 Ottawa  
 iP' 11 28 56 d  
 ePP 11 30 05  
 i 11 30 34  
 ePPP 11 32 16  
 eSKS 11 35 22  
 ePKKP 11 39 20

ePS 11 39 53  
 e 11 42 26  
 eSKKP 11 43 14  
 eSS 11 46 50

Resolute  
 eP 11 24 09  
 e 11 24 30  
 e 11 27 42  
 ePP 11 28 55

Seven Falls  
 eP' 11 29 01  
 ePP 11 30 26  
 e 11 30 55  
 ePKKP 11 39 10  
 ePS 11 40 09  
 e 11 42 29

Shawinigan Falls  
 eP' 11 28 58 c  
 ePP 11 30 18  
 e 11 30 46  
 e 11 31 20  
 ePPP 11 33 21  
 ePKKP 11 39 09  
 eSKKP 11 42 55  
 eSS 11 46 36

JULY 17  
 Seven Falls  
 iP<sub>1</sub> 18 40 08.5  
 eS<sub>1</sub> 18 40 13.0  
 D = 30 km

JULY 17  
 U.S.C.G.S.  
 1S, 13W  
 Mid-Atlantic Ocean  
 H = 18 39 57  
 Halifax  
 eP 18 50 29  
 Ottawa  
 eP 18 51 22  
 Seven Falls  
 eP 18 51 08  
 Shawinigan Falls  
 eP 18 51 12



DOMINION OBSERVATORIES

JULY 18  
U.S.C.G.S.  
53N, 169W  
Fox Islands,  
Aleutian Islands  
H = 01 14 52  
Banff  
eP 01 26 26  
Ottawa  
eP 01 24 56  
Resolute  
eS 01 27 44  
Seven Falls  
eP 01 24 51  
Shawinigan Falls  
eP 01 24 48

JULY 18  
U.S.C.G.S.  
53N, 170W  
Fox Islands,  
Aleutian Islands  
H = 01 19 52  
Halifax  
eP 01 30 30  
Ottawa  
eP 01 29 56  
Resolute  
eL 01 34.4  
Seven Falls  
eP 01 29 51  
Shawinigan Falls  
eP 01 29 48

JULY 18  
Halifax  
eP 08 45 20

JULY 18  
U.S.C.G.S.  
30N, 139E  
South of Honshu,  
Japan  
H = 12 06 39  
h = 400 km

Banff  
eP 12 17 50 c

JULY 18  
Halifax  
e(P) 19 49 08

JULY 18  
Horseshoe Bay  
iP 23 56 29.1  
iS 23 56 40.0

JULY 19  
Shawinigan Falls  
eP 10 42 46

JULY 19  
U.S.C.G.S.  
54N, 166W  
Fox Islands,  
Aleutian Islands  
H = 11 58 39  
Resolute  
eS 12 11 12  
eL 12 20 31  
Shawinigan Falls  
eP 12 08 19

JULY 19  
U.S.C.G.S.  
25N, 122 1/2E  
Near north coast of  
Formosa  
H = 13 02 05  
Banff  
eP 13 14 57  
Resolute  
eP 13 14 29  
eS 13 23 47  
eL 13 38 44

JULY 19  
Shawinigan Falls  
eP 16 11 22

JULY 20  
U.S.C.G.S.  
50 1/2N, 156E  
Off south coast of  
Kamchatka  
H = 11 12 53  
h = 60 km  
Banff  
eP 11 22 02  
Halifax  
iP 11 24 53 c  
Ottawa  
eP 11 24 36 c  
Resolute  
e(P) 11 21 18  
Shawinigan Falls  
iP 11 24 27 c

JULY 20  
U.S.C.G.S.  
43N, 145E  
Near east coast of  
Hokkaido, Japan  
H = 14 08 14  
Halifax  
eP 14 21 10  
Ottawa  
eP 14 20 50 d  
Resolute  
iP 14 17 54 c  
eSS 14 29 22  
e 14 45 50  
Seven Falls  
eP 14 20 50  
Shawinigan Falls  
eP 14 20 48 c

JULY 20  
U.S.C.G.S.  
19 1/2S, 174W  
Tonga Islands  
H = 15 38 47



SEISMOLOGICAL BULLETIN

Banff  
eP 15 51 38  
Horseshoe Bay  
eP 15 51 13 c  
Ottawa  
iP' 15 57 51 c  
Resolute  
eL 16 24.0

JULY 21  
U.S.C.G.S.  
Northern Chile-  
Argentina border  
H = 00 23 05  
Ottawa  
eP 00 34 46  
Seven Falls  
eP 00 34 57  
ePcP 00 35 14  
Shawinigan Falls  
eP 00 34 52 c

JULY 21  
U.S.C.G.S.  
62 1/2S, 156E  
Balleny Island region  
H = 05 59 13  
Horseshoe Bay  
eP 06 12 08 c?  
Seven Falls  
eP' 06 19 06

JULY 21  
U.S.C.G.S.  
14 1/2N, 92W  
Near coast of  
Guatemala  
H = 06 04 11  
Halifax  
iP 06 11 29 c  
Ottawa  
eP 06 10 49 c  
ePP 06 12 04  
ePPP 06 12 25  
ePcP 06 12 25  
eS 06 16 16

Resolute  
eS 06 22 33  
eScS 06 24 00  
Seven Falls  
eP 06 11 17  
ePP 06 11 40  
ePP 06 12 50  
eS 06 17 07  
eSS 06 20 07  
eScS 06 21 37  
Shawinigan Falls  
eP 06 11 06 c  
epP 06 11 28  
e 06 12 08  
ePP 06 12 40  
ePcP 06 13 33  
eS 06 17 05

JULY 21  
Seven Falls  
eP 08 58 26

JULY 21  
Ottawa  
eP 09 02 45  
e 09 05 31  
Resolute  
eP 08 58 30  
e 08 59 40  
Seven Falls  
ePn 09 02 04  
e 09 02 44  
e 09 03 07  
eSn 09 03 23  
e 09 03 46  
eL 09 04 26  
D = 900 km(?)  
Shawinigan Falls  
eP 09 02 22  
e 09 04 29  
e 09 04 48

JULY 21  
U.S.C.G.S.  
28S, 175W  
Kermadec Island region  
H = 19 37 10  
h = 150 km

Horseshoe Bay  
eP 19 49 58  
Victoria  
eP 19 49 53

JULY 22  
U.S.C.G.S.  
33 1/2S, 178W  
Kermadec Island region  
H = 06 16 52  
Halifax  
eP' 06 36 08 c  
Ottawa  
eP' 06 35 52 c  
epP' 06 36 17  
Seven Falls  
eP' 06 35 59 d  
epP' 06 36 24  
Shawinigan Falls  
eP' 06 35 56

JULY 22  
U.S.C.G.S.  
34S, 177 1/2W  
Kermadec Islands  
aftershock  
H = 06 21 50  
Resolute  
e(SSS) 06 44 08  
eL 07 12.3  
Seven Falls  
eP' 06 40 58  
epP' 06 41 22

JULY 22  
Ottawa  
eP 06 45 53  
Shawinigan Falls  
eP 06 45 44

JULY 22  
U.S.C.G.S.  
34 1/2N, 136E  
Southern Honshu,  
Japan  
H = 10 16 31  
h = 350 km



DOMINION OBSERVATORIES

Victoria  
iP 10 27 18 c

JULY 22

U.S.C.G.S.  
53N, 167W  
Fox Islands,  
Aleutian Islands  
H = 13 57 41  
Resolute  
eL 14 13 21  
Seven Falls  
eP 14 07 39  
Shawinigan Falls  
eP 14 07 28

JULY 23

U.S.C.G.S.  
52N, 177W  
Andreanof Islands  
H = 00 45 12  
Alberni  
eP 00 51 50  
eS 00 57 09  
Halifax  
eP 00 56 15  
eS 01 05 12  
Horseshoe Bay  
eP 00 51 57  
eS 00 57 22  
Ottawa  
iP 00 55 35 c  
eP<sub>c</sub>P 00 56 20  
eS 01 04 12  
eS<sub>c</sub>S 01 05 33  
eSSS 01 11 20  
eL 01 18.2  
Resolute  
eP 00 52 42  
eS 00 58 35  
Saskatoon  
eP 00 53 05  
eS 00 59 21  
Seven Falls  
eP 00 55 42  
Shawinigan Falls  
iP 00 55 38 c

Victoria  
eP 00 51 59 c  
iS 00 57 26  
eL 01 00.0

JULY 23

Shawinigan Falls  
eP 04 13 47  
U.S.C.G.S.  
20 1/2S, 170E  
Loyalty Islands  
H = 06 20 43  
Victoria  
eP 06 33 52

JULY 24

U.S.C.G.S.  
30S, 70 1/2W  
Central Chile-  
Argentina border  
H = 01 57 25  
Halifax  
iP 02 09 11 c  
iS 02 18 41 N,E  
Ottawa  
iP 02 09 14 c  
eP<sub>c</sub>P 02 09 27  
eS 02 18 50  
Resolute  
eL 03 46.9  
Seven Falls  
eP 02 09 21  
eP<sub>c</sub>P 02 09 25  
epP 02 09 45  
eS 02 09 50  
Shawinigan Falls  
eP 02 09 16 c  
eP<sub>c</sub>P 02 09 31

JULY 24

Shawinigan Falls  
eP 06 24 39 c

JULY 24

U.S.C.G.S.  
27S, 66W  
Catamarca province,  
Argentina  
H = 10 47 44  
h = 150 km  
Halifax  
eP 10 58 56  
Ottawa  
eP 10 59 00  
eS 11 08 12  
Resolute  
e 11 11 50  
Seven Falls  
eP 10 59 09  
eS 11 09 50  
Shawinigan Falls  
eP 10 59 04 c  
Victoria  
eP 11 00 35

JULY 24

U.S.C.G.S.  
20S, 169E  
New Hebrides Island  
H = 11 02 30  
Seven Falls  
eP' 11 21 32  
Shawinigan Falls  
eP' 11 21 35

JULY 25

U.S.C.G.S.  
52N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 03 24 40  
Resolute  
eL 03 46 53

JULY 25

Victoria  
eP 04 51 58.6  
eS 04 53 09



SEISMOLOGICAL BULLETIN - 1957

JULY 25

U.S.C.G.S.  
51N, 177W  
Andreanof Islands,  
Aleutian Islands  
H = 07 42 25  
Banff  
eP 07 49 41  
Halifax  
eP 07 53 30 c  
eS 08 02 29  
Ottawa  
eP 07 52 49 d  
eP<sub>c</sub>P 07 53 31  
eS 08 01 16  
eL 08 08.6  
Resolute  
eP 07 49 58  
ePP 07 51 33  
e(P<sub>c</sub>P) 07 52 05  
eS 07 55 36  
eL 07 59.0  
Seven Falls  
eP 07 52 57  
eS 08 01 31  
eS<sub>c</sub>S 08 02 54  
eL 08 08 46  
Shawinigan Falls  
eP 07 52 53 d

JULY 25

Horseshoe Bay  
eP 13 14 57.1  
eS 13 15 15.3

JULY 25

U.S.C.G.S.  
42N, 142E  
Near coast of  
Hokkaido, Japan  
H = 18 31 36  
Ottawa  
eP 18 44 20  
Resolute  
iP 18 41 27 c  
Seven Falls  
eP 18 44 22

Shawinigan Falls

eP 18 44 20 c  
JULY 26  
U.S.C.G.S.  
53N, 171 1/2W  
Fox Islands,  
Aleutian Islands  
H = 00 40 02  
Halifax  
eP 00 50 45  
Ottawa  
eP 00 49 56  
Resolute  
eL 00 59 34  
Seven Falls  
eP 00 50 10  
Shawinigan Falls  
eP 00 50 06 c

JULY 26

Resolute  
eL 05 08.6

JULY 26

U.S.C.G.S.  
35S, 180  
Off North Island,  
New Zealand  
H = 06 49 42  
Ottawa  
eP' 07 08 52  
Shawinigan Falls  
eP' 07 08 56 c

JULY 27

U.S.C.G.S.  
14 1/2N, 91 1/2W  
Guatemala  
H = 06 49 00  
Horseshoe Bay  
eP 06 57 04  
Ottawa  
eP 06 55 40 c  
ePP 06 56 55

Seven Falls

eP 06 56 07  
Shawinigan Falls  
eP 06 55 56 c  
epP 06 56 15  
Victoria  
eP 06 57 00

JULY 27

Horseshoe Bay  
iP 08 38 15.8  
iS 08 38 41.2  
Victoria  
iP 08 38 13.4  
iS 08 38 20.7

JULY 27

Horseshoe Bay  
eP 13 43 20.6  
eS 13 43 31.6  
Lillooet  
i 13 43 37.2  
Victoria  
eP 13 43 21.1  
iS 13 43 31.9

JULY 27

U.S.C.G.S.  
20S, 174 1/2W  
Tonga Islands  
H = 14 45 28  
Resolute  
eS 15 11 50  
e 15 36 32

JULY 27

U.S.C.G.S.  
6 1/2S, 151 1/2E  
New Britain region  
H = 18 43 01  
Ottawa  
iP' 19 02 07 c  
Shawinigan Falls  
eP' 19 02 09







DOMINION OBSERVATORIES

Lillooet  
 iP 22 21 (50) c  
 Ottawa  
 eP 22 20 30 c  
 Seven Falls  
 eP 22 21 (03)  
 Shawinigan Falls  
 eP 22 20 49

AUGUST 2  
 U.S.C.G.S.  
 38S, 178E  
 New Zealand  
 H = 02 12 30  
 Ottawa  
 eP' 02 31 35  
 Resolute  
 eL 03 16.2  
 Shawinigan Falls  
 eP' 02 31 39  
 ePKS 02 35 00

AUGUST 2  
 U.S.C.G.S.  
 52N, 175W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 12 21 37  
 Ottawa  
 eP 12 31 52  
 Resolute  
 eL 12 44.2  
 Shawinigan Falls  
 eP 12 31 56 d

AUGUST 2  
 Shawinigan Falls  
 eP 16 10 37

AUGUST 3  
 U.S.C.G.S.  
 7S, 103E  
 Off south coast of  
 Sumatra  
 H = 06 43 40

Resolute  
 eL 07 47.1  
 Shawinigan Falls  
 ePP 07 06 10  
 ePKS 07 06 40

AUGUST 3  
 U.S.C.G.S.  
 28S, 176 1/2W  
 Kermadec Island  
 region  
 H = 08 15 45  
 Resolute  
 eL 09 08.4

AUGUST 3  
 U.S.C.G.S.  
 50N, 157E  
 Northern Kurile  
 Islands  
 H = 10 21 10  
 Shawinigan Falls  
 eP 10 32 49

AUGUST 3  
 U.S.C.G.S.  
 21N, 145E  
 Mariana Islands  
 region  
 H = 11 44 55  
 Horseshoe Bay  
 eP 11 56 40

AUGUST 4  
 U.S.C.G.S.  
 3 1/2S, 145E  
 Near north coast of  
 New Guinea  
 H = 00 39 12  
 Ottawa  
 eP' 00 58 17  
 Resolute  
 eS 01 03 50  
 ePS 01 06 12  
 e 01 08 50

eSS 01 11 52  
 eL 01 21.2  
 Victoria  
 eL 01 22.3

AUGUST 4  
 U.S.C.G.S.  
 17N, 100W  
 Mexico aftershock  
 H = 06 06 36  
 Alberni  
 eL 06 28.5  
 Banff  
 eP 06 13 45 c?  
 Halifax  
 e(P) 06 14 23  
 Horseshoe Bay  
 eP 06 13 55  
 eS 06 19 58  
 eL 06 26.9  
 Lillooet  
 eP 06 14 (30)  
 Ottawa  
 iP 06 13 29 c  
 ePP 06 14 46  
 eP<sub>c</sub>P 06 16 04  
 eS 06 19 10  
 eSS 06 21 28  
 eSSS 06 22 18  
 Resolute  
 eP 06 16 30 c  
 eS 06 24 37  
 eS<sub>c</sub>S 06 26 21  
 e 06 34 11  
 e 06 35 16  
 Saskatoon  
 eP 06 13 41  
 eS 06 19 26  
 eL 06 25.8  
 Seven Falls  
 eP 06 13 (56) c  
 ePP 06 15 (29)  
 eS 06 20 (01)  
 eL 06 27.0  
 Shawinigan Falls  
 eP 06 13 48  
 eS 06 19 44

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Victoria  
 iP 06 13 49 C,N,W  
 eS 06 19 45  
 eL 06 26.5

AUGUST 4  
 U.S.C.G.S.  
 17N, 99 1/2W  
 Mexico aftershock  
 H = 14 16 18  
 Alberni  
 eL 14 38.0

AUGUST 4  
 U.S.C.G.S.  
 17N, 99 1/2W  
 Mexican aftershock  
 H = 11 28 24  
 Ottawa  
 eP 11 35 18 d  
 eS 11 41 00  
 Resolute  
 e 11 56 30  
 e 11 57 20  
 Saskatoon  
 e 11 47 27  
 Seven Falls  
 eS 11 41 (50)  
 Shawinigan Falls  
 eP 11 35 37

AUGUST 4  
 Halifax  
 eP<sub>n</sub> 12 41 41  
 i 12 41 43.2  
 i! 12 41 50.3  
 i 12 42 18.5  
 i 12 42 26  
 iS<sub>1</sub> 12 42 31.5  
 Ottawa  
 e(S) 12 43 35  
 e 12 43 49  
 e 12 44 07  
 Seven Falls  
 iP<sub>n</sub> 12 41 (39)  
 iS<sub>n</sub> 12 42 (04)  
 i 12 42 (10)  
 i 12 42 (16)  
 Shawinigan Falls  
 eP<sub>n</sub> 12 42 02  
 i 12 42 06  
 e 12 42 15  
 iS<sub>n</sub> 12 42 40  
 e 12 42 42  
 e 12 42 51  
 iS<sub>1</sub> 12 42 58

AUGUST 4  
 U.S.C.G.S.  
 45S, 45E  
 Prince Edward Island  
 region  
 H = 21 08 51  
 Resolute  
 eP' 21 28 30  
 ePP 21 31 57  
 eSKSP 21 42 05  
 ePPS 21 44 27  
 eSS 21 50 13  
 ePSPS 21 51 09  
 eL 21 10.0

AUGUST 5  
 Resolute  
 e 05 26 51  
 eL 05 32.7

AUGUST 5  
 Alberni  
 iP 12 06 59.4 c  
 eS 12 08 04  
 Horseshoe Bay  
 iP 12 07 08.6 d  
 eS 12 08 27.2  
 Victoria  
 iP 12 06 58.0 d,S,W  
 e 12 08 05

AUGUST 5  
 Resolute  
 eL 13 49.8

AUGUST 5  
 U.S.C.G.S.  
 16N, 96W  
 Near coast of Oaxaca,  
 Mexico  
 H = 17 34 54  
 h = 100 km  
 Halifax  
 eP 17 42 25  
 Ottawa  
 eP 17 41 36 c  
 eS 17 47 08  
 Resolute  
 eS 17 52 46  
 ePKKP 18 03 49  
 Shawinigan Falls  
 eP 17 41 55

AUGUST 5  
 U.S.C.G.S.  
 Kermadec Island  
 region  
 H = 21 30 39  
 Resolute  
 eL 22 33.8



DOMINION OBSERVATORIES

AUGUST 6 U.S.C.G.S. Andreanof Islands, Aleutian Islands H = 23 47 30 Banff iP 23 54 44 c? Shawinigan Falls eP 23 57 54 eP <sub>c</sub> P 23 58 35	Ottawa eP 15 53 48 Shawinigan Falls iP 15 53 58 d	Resolute eSS 05 06 36 e(PKKP) 05 13 47 Victoria iP 04 50 43 d
AUGUST 6 Halifax e 23 51 58.6 eS <sub>1</sub> 23 53 00 Ottawa iP <sub>n</sub> 23 51 49 i 23 51 52 i 23 52 08 i(S <sub>n</sub> ) 23 52 27 i 23 52 32 iS <sub>1</sub> 23 52 44 i 23 52 46 D = 600 km(?) Seven Falls iP <sub>n</sub> 23 50 (39) eS <sub>n</sub> 23 50 (45) Shawinigan Falls iP <sub>n</sub> 23 51 09 i 23 51 12 iS <sub>n</sub> 23 51 33 i 23 51 38 i 23 51 46	AUGUST 7 U.S.C.G.S. 19 1/2S, 178W Fiji Islands H = 19 40 46 h = 550 km Banff iP 19 52 47 d Lillooet eP d? No time correction Horseshoe Bay eP 19 52 25 c?	AUGUST 8 Ottawa iP 18 53 22.0 i 18 53 23.5 e 18 53 52.0 iS <sub>n</sub> 18 53 54.0 eL 18 54 14 D = 315 km Shawinigan Falls iP <sub>n</sub> 18 53 13 e 18 53 33 iS <sub>n</sub> 18 53 37 D = 230 km
AUGUST 7 Ottawa eP 08 58 24 c Seven Falls eP 08 58 (32) Shawinigan Falls eP 08 58 35 c	AUGUST 8 U.S.C.G.S. 32 1/2N, 25 1/2E Near coast of Egypt Halifax eP 01 23 14 Ottawa eP 01 24 03 Shawinigan Falls eP 01 23 44	AUGUST 8 Halifax eP <sub>n</sub> 20 02 44 eS <sub>n</sub> 20 03 20 eS <sub>1</sub> 20 03 26
AUGUST 7 U.S.C.G.S. Northern Peru H = 15 44 47	AUGUST 8 Horseshoe Bay iP 03 20 39 iS 03 21 06	AUGUST 8 Halifax eP 22 44 10 Ottawa eP 22 44 57 Resolute eP 22 46 34 e(SS) 23 03 05 Shawinigan Falls eP 22 44 51 d
	AUGUST 8 U.S.C.G.S. 19N, 109W Revilla Gigedo Island H = 04 44 20 Horseshoe Bay eP 04 50 50 Ottawa eP 04 51 40 eL 05 04 10	AUGUST 8 Halifax eP 23 09 41

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Ottawa iP 23 10 28 d	Banff iP 11 09 30 d Shawinigan Falls eP 11 11 46 d Victoria eP 11 09 11 d?	Horseshoe Bay iP 02 30 27 Victoria iP 02 30 22 c
AUGUST 9 U.S.C.G.S. 2S, 137E New Guinea H = 02 29 20 Halifax eP' 02 48 42 Ottawa eP' 02 48 30 Resolute eP 02 43 14 eS 02 53 55 ePS 02 56 28 eSS 03 01 57 eL 03 25.2 Seven Falls eP' 02 48 23 Shawinigan Falls eP' 02 48 31 Victoria eL 03 15.1	AUGUST 9 Victoria eP 15 04 34	AUGUST 10 Ottawa e(P) 03 40 58
AUGUST 9 Halifax e(P) 07 52 44	AUGUST 9 Ottawa iP <sub>n</sub> 15 47 23 i 15 47 25 iS <sub>n</sub> 15 47 40 eL 15 47 48	AUGUST 10 U.S.C.G.S. 17S, 172W Tonga Islands H = 03 55 46 Resolute eS 04 21 36
AUGUST 9 U.S.C.G.S. 46 1/2N, 151E Kurile Islands H = 00 01 30	AUGUST 9 Resolute e 18 44 34 eL 18 49.1	AUGUST 10 Ottawa eP 04 32 21
AUGUST 9 U.S.C.G.S. Andreanof Islands, Aleutian Islands H = 07 42 50 Halifax eP 07 53 50 c? Ottawa eP 07 53 07 c Shawinigan Falls eP 07 53 10	AUGUST 10 U.S.C.G.S. 21 1/2S, 179 1/2W Fiji Island region H = 02 18 38 h = 600 km Banff eP 02 30 47 c	AUGUST 10 U.S.C.G.S. 3 1/2N, 124 1/2E Celebes Sea H = 19 12 47 h = 300 km Halifax eP' 19 31 32 iSKP 19 34 25 i 19 36 58 Ottawa eP' 19 31 26 eSKP 19 34 02 Shawinigan Falls iP' 19 31 23 c
AUGUST 9 U.S.C.G.S. 46N, 151E Kurile Islands H = 10 59 46 h = 100 km		AUGUST 10 Banff iP 21 08 24.3 iS 21 08 31.6



DOMINION OBSERVATORIES

AUGUST 10  
 Banff  
 eP 21 51 38  
 iP 23 27 33  
 Local shock

AUGUST 11  
 Horseshoe Bay  
 eP 03 23 36  
 Victoria  
 eP 03 23 32

AUGUST 11  
 U. S. C. G. S.  
 38 1/2S, 177E  
 North Island,  
 New Zealand  
 H = 05 12 40  
 Halifax  
 eP' 05 32 05  
 Ottawa  
 eP' 05 31 47 c  
 epP' 05 32 12  
 ePP 05 33 52  
 Shawinigan Falls  
 eP' 05 31 50  
 ePP 05 34 06  
 eSKP 05 35 02

AUGUST 11  
 U. S. C. G. S.  
 31 1/2S, 177 1/2W  
 Kermadec Islands  
 H = 13 40 18  
 Resolute  
 eL 14 39 20

AUGUST 11  
 Victoria  
 eP 17 01 24 c?

AUGUST 11  
 U. S. C. G. S.  
 17 1/2S, 169E  
 New Hebrides  
 H = 21 38 05

Banff  
 eP 21 51 38  
 Halifax  
 eP' 21 57 19  
 Horseshoe Bay  
 eP 21 51 09  
 eS 22 01 41  
 eL 22 19.9  
 Lillooet  
 eP 21 51 24  
 Ottawa  
 eP' 21 56 56  
 ePP 21 58 26  
 eSKS 22 04 04  
 ePS 22 08 08  
 Resolute  
 eSKS 22 03 01  
 ePS 22 05 52  
 Shawinigan Falls  
 eP' 21 56 59  
 Victoria  
 eP 21 51 06  
 eS 22 01 41  
 eL 22 14.3

AUGUST 12  
 Resolute  
 e(S) 00 35 52  
 eL 00 43 53

AUGUST 12  
 U. S. C. G. S.  
 6N, 124 1/2E  
 Mindanao, P.I.  
 H = 07 08 38  
 Resolute  
 eL 07 57 03

AUGUST 12  
 U. S. C. G. S.  
 52 1/2N, 160 1/2E  
 Near east coast of  
 Kamchatka  
 H = 07 58 05  
 Resolute  
 e(S) 08 06 06  
 eL 08 26 52

AUGUST 12  
 U. S. C. G. S.  
 33N, 140E  
 Off south coast of  
 Honshu, Japan  
 H = 11 19 20  
 h = 200 km  
 Banff  
 iP 11 30 51 c  
 Horseshoe Bay  
 eP 11 30 18  
 Resolute  
 eP 11 30 01 c  
 e(SS) 11 39 56  
 Victoria  
 iP 11 30 24 c,S,E

AUGUST 13  
 Resolute  
 e(P) 01 22 21

AUGUST 13  
 U. S. C. G. S.  
 61N, 148W  
 Southern Alaska  
 H = 12 00 03  
 Alberni  
 eL 12 04 12  
 Banff  
 eP 12 04 39 c?  
 Ottawa  
 eP 12 08 05 d  
 Resolute  
 eP 12 05 11  
 eS 12 09 20  
 Saskatoon  
 eP 12 05 19  
 eS 12 09 32  
 Shawinigan Falls  
 eP 12 08 09 d  
 epP 12 08 37  
 ePP 12 09 55  
 Victoria  
 eP 12 04 21  
 eS 12 07 53  
 eL 12 09.3

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AUGUST 13  
 Horseshoe Bay  
 eP 14 38 01  
 Victoria  
 eP 14 37 48  
 eS 14 39 01

AUGUST 13  
 Banff  
 iP 08 41 53 c  
 Halifax  
 eP 08 40 13 d  
 Horseshoe Bay  
 iP 08 42 24 c  
 Lillooet  
 iP 08 41 (11) c  
 Ottawa  
 eP 08 39 56 d  
 i 08 40 10  
 epP 08 40 20  
 ePP 08 41 21  
 ePcP 08 42 22  
 eS 08 45 32  
 Resolute  
 iP 08 43 37 c  
 Shawinigan Falls  
 eP 08 40 08 d  
 Victoria  
 eP 08 42 11 c?

AUGUST 14  
 U. S. C. G. S.  
 35 1/2N, 28E  
 Dodecanese Islands  
 H = 02 44 24  
 Halifax  
 eP 02 55 22  
 Ottawa  
 eP 02 56 05  
 Shawinigan Falls  
 eP 02 55 50 c

AUGUST 14  
 Ottawa  
 iP<sub>n</sub> 15 09 52  
 i 15 09 54  
 eS<sub>n</sub> 15 10 09  
 eL 15 10 17  
 D = 150 km

AUGUST 14  
 Halifax  
 iP 18 32 29  
 Probably blast

AUGUST 14  
 Halifax  
 iP 18 38 50.5  
 iS 18 38 55  
 Probably blast

AUGUST 15  
 U. S. C. G. S.  
 4 1/2S, 155E  
 Solomon Island  
 region  
 H = 20 45 20  
 h = 500 km  
 Halifax  
 eP' 21 03 33  
 Ottawa  
 eP 21 03 17 c  
 epP' 21 05 15  
 eSKS 21 09 29  
 e 21 11 02  
 ePS 21 14 38  
 ePPS 21 16 16  
 eSS 21 20 36  
 e 21 23 18  
 eSSS 21 25 15

AUGUST 16  
 U. S. C. G. S.  
 5S, 154E  
 New Britain region  
 H = 03 26 05  
 Resolute  
 eS 03 50 22  
 ePS 03 52 54  
 eSS 03 58 34  
 eL 04 10.5

AUGUST 16  
 Alberni  
 iP 10 20 54.7 d  
 e 10 21 04.6  
 Horseshoe Bay  
 iP 10 20 53.3  
 iS 10 21 01.7  
 Lillooet  
 iP 10 21 13.3  
 i(S) 10 21 31.3  
 Victoria  
 iP 10 20 56.6  
 iS 10 21 08.0

AUGUST 16  
 Resolute  
 eL 11 50.4

AUGUST 16  
 U. S. C. G. S.  
 5S, 155E  
 Solomon Islands  
 H = 11 57 16  
 Banff  
 eP 12 11 03  
 Horseshoe Bay  
 eP 12 10 37



DOMINION OBSERVATORIES

Ottawa	Seven Falls
eP' 12 16 10	eP 23 40 (03)
Resolute	ePP 23 41 (57)
eS 12 21 33	e 23 42 (18)
ePS 12 24 06	ePPP 23 42 (57)
eSS 12 29 21	e 23 43 (24)
eL 12 41.7	eS 23 46 (51)
	e 23 48 (10)
	eSS 23 50 (02)
AUGUST 16	Shawinigan Falls
U.S.C.G.S.	eP 23 40 09
10 1/2N, 104W	ePP 23 41 56
Pacific Ocean	Victoria
H = 23 31 55	eP 23 39 41
Alberni	eS 23 46 02
iP 23 39 54	eL 23 49.4
eS 23 46 24	
Banff	AUGUST 16
eP 23 39 47	Ottawa
Halifax	iP 23 57 10 c
eP 23 40 40 c	
e 23 40 42 S,W	AUGUST 17
ePP 23 42 39	Shawinigan Falls
e 23 43 02	eP <sub>n</sub> 01 30 39.0
eS 23 47 53 S,E	i 01 30 43.0
Horseshoe Bay	iS <sub>n</sub> 01 31 05.5
eP 23 39 50 N,W	D = 250 km
iS 23 46 14	
eL 23 49.8	AUGUST 17
Lillooet	U.S.C.G.S.
eP 23 39 56	29N, 141E
Ottawa	Bonin Islands region
iP 23 39 50 d	H = 12 39 23
ePP 23 41 34	Alberni
ePPP 23 42 25	iP 12 50 44 c
eS 23 46 04	Banff
ePS 23 46 22	iP 12 51 10 c
e 23 47 24	Horseshoe Bay
eSS 23 49 30	iP 12 50 47 c
eL 23 51.3	Lillooet
Resolute	iP 12 50 50 c
eP 23 42 31	Resolute
iPP 23 45 32	eL 13 09.4
iS 23 50 53	Victoria
eS <sub>c</sub> S 23 52 29	iP 12 50 48 c,S,E
Saskatoon	
eP 23 39 51	
eS 23 46 06	
eSS 23 49 35	
eL 23 52.3	

AUGUST 18
Lillooet
iP 02 34 13.6
iS 02 34 16.7
AUGUST 18
U.S.C.G.S.
57S, 142 1/2W
South Pacific Ocean
H = 06 34 16
Resolute
eS 07 14 03
eL 07 31.0
AUGUST 18
U.S.C.G.S.
12N, 124E
Philippine Islands
H = 08 36 57
Halifax
eP' 08 55 58
Horseshoe Bay
eP 08 50 27
Lillooet
eP 08 50 (25)
Ottawa
eP' 08 55 55
ePP 08 57 15
e 08 57 42
e 08 58 10
ePPP 08 59 45
e 09 00 36
eS 09 05 04
ePS 09 07 06
ePPS 09 08 07
eSS 09 13 30
eSSS 09 18 06
Resolute
eP 08 49 57 c
i 08 49 57.5 d
eS 09 00 50
eSS 09 06 26
Shawinigan Falls
eP' 08 55 57
Victoria
eP 08 50 30

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AUGUST 18	Resolute	Horseshoe Bay
U.S.C.G.S.	iP 21 21 42 d	iP 21 51 28 c
21N, 156W	eS 21 29 53	i 21 51 37
Hawaiian Islands	eL 21 34.8	iS 21 58 30
H = 10 41 54	Seven Falls	eL 22 02.0
Halifax	ePPP 21 19 (58)	Lillooet
eP 10 53 51	eS 21 23 (55)	iP 21 51 23 c
Horseshoe Bay	e 21 24 (35)	Ottawa
eP 10 49 17	eSSS 21 26 (42)	iP 21 54 11 c
Ottawa	e 21 27 (33)	eP <sub>c</sub> P 21 54 30
eP 10 52 59	Shawinigan Falls	e 21 56 08
eS 11 02 04	eP 21 17 56	ePP 21 57 16
Resolute	epP 21 18 35	ePPP 21 58 51
e 11 11 17	e 21 18 50	e 21 59 45
e 11 14 00	ePP 21 19 26	eS 22 03 40
Shawinigan Falls	e 21 20 32	eS <sub>c</sub> S 22 04 16
eP 10 53 11	Victoria	eL 22 12.3
Victoria	iP 21 17 58 c	Resolute
eP 10 49 12		iP 21 51 03 c
eS 10 54 12	AUGUST 18	iS 21 57 51
eL 11 00 58	Alberni	eL 22 01.2
	eP 21 19 41	Saskatoon
AUGUST 18	e(S) 21 26 11	iP 21 52 14
U.S.C.G.S.	Banff	iS 22 00 05
16 1/2N, 99W	iP 21 19 (17) c	eL 22 04.4
Mexico aftershock	Horseshoe Bay	Seven Falls
H = 21 10 42	eP 21 19 34 c	eP 21 53 (52)
Banff	Lillooet	ePP 21 56 (39)
eP 21 17 (54)	eP 21 19 35 d?	e 22 00 (32)
Halifax	Victoria	eS 22 03 (27)
eP 21 18 59	iP 21 19 28 c,N,W	eS <sub>c</sub> S 22 03 (53)
Horseshoe Bay	eS 21 25 56	ePS 22 04 (15)
eP 21 18 03		ePPS 22 04 (27)
Lillooet	AUGUST 18	eSS 22 07 (58)
eP 21 18 08	U.S.C.G.S.	eSSS 22 11 (53)
Ottawa	50N, 157E	Shawinigan Falls
eP 21 17 36 c	Northern Kurile Islands	iP 21 54 11 c
esP 21 18 16	H = 21 42 30	epP 21 54 31
ePP 21 19 11	Alberni	ePP 21 57 20
ePPP 21 19 38	iP 21 51 17	eS 22 03 42
eP <sub>c</sub> P 21 20 07	i 21 51 32	Victoria
eS 21 23 36	e 21 58 18	iP 21 51 26 c
eSSS 21 26 16	Banff	i 21 51 40
eS <sub>c</sub> S 21 28 10	iP 21 51 (46) c	
eL 21 31.5	Halifax	
	iP 21 54 38 c	
	iS 22 04 34 S,E	



DOMINION OBSERVATORIES

AUGUST 19  
U.S.C.G.S.  
4 1/2S, 153E  
New Britain aftershock  
H = 00 11 13  
Ottawa  
eP' 00 30 08

AUGUST 19  
U.S.C.G.S.  
New Britain aftershock  
H = 02 41 14  
Ottawa  
eP' 03 00 05 d

AUGUST 19  
U.S.C.G.S.  
52 1/2N, 169W  
Fox Islands,  
Aleutian Islands  
H = 06 10 28  
Halifax  
eP 06 21 02  
Ottawa  
iP 06 20 19 c  
Resolute  
eL 06 32.8  
Shawinigan Falls  
eP 06 20 23

AUGUST 19  
U.S.C.G.S.  
38 1/2N, 50E  
Caspian Sea  
H = 07 22 26  
Halifax  
eP 07 34 21  
Ottawa  
eP 07 35 04  
Shawinigan Falls  
eP 07 34 51

AUGUST 19  
U.S.C.G.S.  
10S, 161E  
Solomon Islands  
foreshock  
H = 11 34 36  
Resolute  
ePPS 12 02 40  
eSS 12 07 23  
ePSPS 12 08 00  
eS<sub>C</sub>S 12 12 24  
eL 12 22.5  
Victoria  
eP 11 47 31  
eL 12 15.0

AUGUST 19  
Banff  
iP 20 09 53.7 c  
Local shock

AUGUST 19  
Banff  
iP 21 29 19.1 c  
Local shock

AUGUST 19  
U.S.C.G.S.  
51 1/2N, 171W  
Fox Islands,  
Aleutian Islands  
H = 21 31 55  
Banff  
eP 21 38 (41)  
Halifax  
eP 21 42 42  
Ottawa  
eP 21 41 58 d  
eS 21 50 08  
Resolute  
eP 21 39 02  
eS 21 45 02  
eL 21 47.7  
Shawinigan Falls  
eP 21 42 02 d

AUGUST 20  
Resolute  
e(S) 05 27 12  
eL 05 43.0

AUGUST 20  
U.S.C.G.S.  
10S, 161E  
Solomon Islands  
foreshock  
H = 06 27 07  
Banff  
eP 06 40 31  
Horseshoe Bay  
e 06 50 37  
Ottawa  
eP' 06 46 07  
ePP 06 47 28  
eSKS 06 53 02  
ePS 06 57 26  
Resolute  
ePP 06 45 24<sup>a</sup>  
eSKS 06 51 49  
eS 06 53 00  
eSS 06 59 29  
eL 07 07.7  
Victoria  
eP 06 40 01 c?  
eL 07 07.5

AUGUST 20  
Alberni  
iP 11 24 22.8  
eS 11 24 42  
Horseshoe Bay  
iP 11 24 17.9  
iS 11 24 32.6  
Victoria  
iP 11 24 04.4 d?  
iS 11 24 08.7

AUGUST 20  
U.S.C.G.S.  
10S, 161E  
Solomon Islands  
H = 12 01 54



SEISMOLOGICAL BULLETIN - 1957

Banff  
eP 12 15 14  
Horseshoe Bay  
eP 12 14 50  
e 12 25 19  
Ottawa  
eP' 12 20 51  
ePS 12 32 02  
Resolute  
ePP 12 19 54  
eSKS 12 25 59  
eSKKS 12 26 36  
e(S<sub>C</sub>S) 12 27 48  
ePS 12 29 22  
e(SS) 12 34 24  
eL 12 54.8  
Shawinigan Falls  
eP' 12 20 54  
i 12 21 05  
Victoria  
eP 12 14 47 c?  
eL 12 42.0

AUGUST 20  
U.S.C.G.S.  
52N, 173W  
Andreasof Islands,  
Aleutian Islands  
H = 22 17 05  
Alberni  
iP 22 23 21 c  
e 22 23 35 c  
Halifax  
eP 22 27 55  
Horseshoe Bay  
iP 22 23 29  
i 22 23 41  
Lillooet  
iP 22 23 30 c  
e 22 23 48  
i 22 26 21 c  
Ottawa  
iP 22 27 13  
Resolute  
eS 22 30 10  
Shawinigan Falls  
iP 22 27 16 d

Victoria  
iP 22 23 31 c  
i 22 23 45  
AUGUST 20  
U.S.C.G.S.  
50 1/2N, 96 1/2E  
Outer Mongolia  
H = 22 32 06  
Halifax  
eP 22 44 40  
Ottawa  
eP 22 44 43  
Resolute  
eL 23 06.6  
Shawinigan Falls  
eP 22 46 36

AUGUST 21  
Ottawa  
iP<sub>n</sub> 02 40 44.6  
iS<sub>n</sub> 02 40 53.7  
D = 72.5  
Felt at Smith's Falls,  
Ontario

AUGUST 21  
Alberni  
iP 03 46 30.2  
iS 03 46 41.4  
Horseshoe Bay  
eP 03 46 30.0  
iS 03 46 36.5  
Victoria  
iP 03 46 22.6  
i 03 46 27.2

AUGUST 21  
U.S.C.G.S.  
52 1/2N, 168W  
Fox Islands,  
Aleutian Islands  
H = 11 51 12  
Resolute  
eL 12 11 14

AUGUST 21  
U.S.C.G.S.  
44 1/2N, 147E  
Kurile Islands  
H = 15 33 57  
Alberni  
iP 15 43 48  
Halifax  
eP 15 46 46 c  
Horseshoe Bay  
eP 15 43 52  
Ottawa  
eP 15 46 23 d  
Resolute  
eP 15 43 25 c  
eSS 15 54 42  
eL 16 02.5  
Shawinigan Falls  
eP 15 46 22 d  
Victoria  
eP 15 43 56 d,W

AUGUST 21  
U.S.C.G.S.  
51 1/2N, 171W  
Fox Islands,  
Aleutian Islands  
H = 19 31 08  
Halifax  
eP 19 42 00  
Lillooet  
iP 19 37 22 d  
Ottawa  
eP 19 41 09  
Resolute  
eS 19 44 10  
eL 19 48.8  
Shawinigan Falls  
eP 19 41 13

AUGUST 22  
U.S.C.G.S.  
41 1/2N, 142 1/2E  
Near south coast of  
Hokkaido, Japan  
H = 03 37 57



DOMINION OBSERVATORIES

Ottawa  
eP 03 50 43 d  
Resolute  
iP 03 47 51 c  
Shawinigan Falls  
eP 03 50 43

AUGUST 22  
Horseshoe Bay  
iP 04 08 00.2  
iS 04 08 11.8

AUGUST  
U. S. C. G. S.  
1N, 126E  
Molucca Passage  
H = 07 55 06  
Ottawa  
eP' 08 14 18  
Resolute  
eS 08 19 29  
eL 08 38.7  
Shawinigan Falls  
eP' 08 14 19 d

AUGUST 22  
Alberni  
iP 12 52 28.4  
iS 12 53 00.4  
Horseshoe Bay  
eP 12 52 41.3  
eS 12 53 27.9  
Victoria  
eP 12 52 41.9  
eS 12 53 24.4

AUGUST 22  
U. S. C. G. S.  
15S, 168E  
New Hebrides Islands  
H = 16 43 35  
Ottawa  
eP' 17 02 26  
Resolute  
eL 17 38.5  
Shawinigan Falls  
eP' 17 02 30

AUGUST 22  
Resolute  
eL 18 25.2

AUGUST 23  
U. S. C. G. S.  
6S, 154 1/2E  
Solomon Islands  
H = 02 00 09  
h = 60 km  
Banff  
eP 02 13 29  
Halifax  
eP' 02 19 13  
e 02 31.2  
e 02 39 11  
Horseshoe Bay  
eP 02 13 02  
eS 02 23 23  
eSS 02 29.8  
Lillooet  
eP 02 13 11  
Ottawa  
iP' 02 18 59  
epPP 02 20 56  
eSKKS 02 26 42  
e 02 29 02  
i 02 29 18  
eSS 02 36 10  
Resolute  
ePP 02 18 25  
e 02 23 58  
eSKKS 02 24 49  
ePS 02 26 50  
Seven Falls  
ePP 02 20 (41)  
eSKS 02 26 (10)  
eSKKS 02 27 (18)  
ePS 02 30 (11)  
ePPS 02 31 (39)  
e 02 34 (16)  
eSS 02 36 (52)  
eSSS 02 41 (10)  
Shawinigan Falls  
eP' 02 19 04  
Victoria  
eP 02 13 07  
eS 02 23 46  
e 02 24 48

AUGUST 23  
Shawinigan Falls  
eP 10 22 42

AUGUST 23  
U. S. C. G. S.  
24N, 122E  
Off east coast of  
Formosa  
H = 11 42 34  
Banff  
iP 11 55 35 c  
Horseshoe Bay  
eP 11 55 20  
Resolute  
eL 12 19.2  
Victoria  
iP 11 55 23

AUGUST 23  
U. S. C. G. S.  
Revilla Gigedo Islands  
H = 15 12 24  
Ottawa  
eP 15 19 50  
eS 15 25 43  
eL 15 31 40  
Resolute  
eL 15 36.2

AUGUST 23  
U. S. C. G. S.  
Near east coast of  
Kamchatka  
H = 17 24 20  
Ottawa  
eP 17 35 19  
Shawinigan Falls  
eP 17 35 19

AUGUST 23  
Resolute  
eL 21 10.5

AUGUST 23  
U. S. C. G. S.  
7S, 112E  
Java  
H = 22 51 10



SEISMOLOGICAL BULLETIN - 1957

h = 100 km  
Ottawa  
eP' 23 10 27  
Resolute  
eL 23 52.1  
Shawinigan Falls  
eP' 23 10 28

AUGUST 24  
Resolute  
eL 01 52 33

AUGUST 25  
Victoria  
iP 03 30 10.3  
e 03 30 18.5  
Local Shock

AUGUST 25  
Ottawa  
eP 06 06 54

AUGUST 25  
U. S. C. G. S.  
10S, 111E  
Off south coast of Java  
H = 21 11 45  
Halifax  
iP<sub>1</sub>' 21 31 26 d  
eP<sub>2</sub>' 21 31 42  
Ottawa  
iP<sub>1</sub>' 21 31 24 d  
iP<sub>2</sub>' 21 31 40  
Shawinigan Falls  
eP' 21 31 23

AUGUST 26  
U. S. C. G. S.  
51N, 177W  
Andreanof Islands,  
Aleutians Islands  
H = 06 53 43  
Banff  
eP 07 01 01  
Halifax  
iP 07 04 50 d?  
i 07 05 03 c  
Lillooet  
iP 07 00 32 d

Ottawa  
eP 07 04 10 d  
Resolute  
eS 07 07 25  
eL 07 15.4  
Shawinigan Falls  
eP 07 04 13 c

AUGUST 26  
U. S. C. G. S.  
2S, 81W  
Near coast of Ecuador  
H = 13 58 48  
Alberni  
eP 14 09 27  
Banff  
eP 14 08 59  
Halifax  
eP 14 07 35 N,E  
iS 14 14 38 E  
Horseshoe Bay  
eP 14 09 15  
iS 14 17 45  
Ottawa  
iP 14 07 21 d  
e 14 08 10  
ePcP 14 08 50  
ePP 14 09 25  
eS 14 14 15  
e 14 15 02  
eScS 14 17 15  
eSS 14 18 02  
eSSS 14 19 32  
Resolute  
eP 14 10 38  
eS 14 20 28  
eL 14 30.9  
Seven Falls  
eP 14 07 (19)  
eS 14 14 (20)  
e 14 15 (43)  
eScS 14 17 (11)  
eSS 14 18 (02)  
eSSS 14 20 (14)  
Shawinigan Falls  
eP 14 07 32  
ePP 14 09 42

Shawinigan Falls  
iP 11 39 38 c  
Victoria  
iP 11 41 32 c,N,W  
iS 11 52 02  
eL 12 05.7

AUGUST 26  
U. S. C. G. S.  
19S, 63W  
Southern Bolivia  
H = 11 28 50  
Alberni  
iP 11 41 39  
Banff  
iP 11 41 19 c  
i 11 43 06  
Halifax  
iP 11 39 21 c,N  
eS 11 47 52 N,W  
i 11 47 55 S,E  
Horseshoe Bay  
iP 11 41 35 W  
eS 11 52 08  
Lillooet  
eP 11 41 34  
Ottawa  
iP 11 39 34 c  
i 11 39 50  
e 11 41 49  
esPP 11 42 51  
ePPP 11 43 50  
eS 11 48 13  
e 11 49 09  
eSS 11 52 16  
eL 11 55.3  
Resolute  
iP 11 42 18 c  
ePP 11 45 40  
eSKKS 11 53 02  
eS 11 53 37  
eL 12 11.8  
Saskatoon  
eP 11 41 02  
iS 11 51 31  
Seven Falls  
eP 11 39 (17)  
eS 11 48 (04)



DOMINION OBSERVATORIES

Victoria eP 14 09 11 iS 14 17 40 eL 14 26.7	Resolute eL 18 04 21 Victoria eP 17 48 54 e 17 50 04	Horseshoe Bay eP 23 28 56 Lillooet eP 23 29 01 d Victoria eP 23 28 57
AUGUST 26 U. S. C. G. S. 19S, 63W Southern Bolivia aftershock H = 18 22 18 Halifax eP 18 32 49 Ottawa eP 18 33 01 Shawinigan Falls iP 18 33 05 d	AUGUST 27 Alberni iP 20 43 47 Horseshoe Bay iP 20 43 58 d? Lillooet eP 20 44 (20) c? Resolute e(S) 20 56 26 e 20 59 26 eL 21 02.0 Victoria iP 20 43 47 i 20 44 55	AUGUST 28 U. S. C. G. S. 21N, 145E Mariana Islands H = 23 22 21 Alberni iP 23 34 06 d Banff eP 23 34 32 d Horseshoe Bay eP 23 34 11 d Lillooet eP 23 34 15 d? Resolute eP 23 34 20.5 c i 23 34 21 d eS 23 44 12 Victoria eP 23 34 11 c?
AUGUST 26 U. S. C. G. S. 5 1/2S, 154E Solomon Islands region H = 19 53 33 h = 100 km Resolute eSKS 20 17 16 ePS 20 19 10 eSS 20 25 26	AUGUST 27 Halifax iP 21 00 59 iS 21 01 03.8	AUGUST 28 U. S. C. G. S. 21 1/2S, 69W Northern Chile H = 23 22 22 Halifax eP 23 33 29 c Ottawa eP 23 33 18 d iPcP 23 33 34 Shawinigan Falls eP 23 33 24 d iPcP 23 33 40
AUGUST 27 Horseshoe Bay iP 03 30 15 iS 03 30 26	AUGUST 28 U. S. C. G. S. 28 1/2S, 175W Kermadec Island region H = 08 19 10 Horseshoe Bay eP 08 32 16 Resolute eL 09 08.7 Victoria eP 08 32 13 d	AUGUST 28 U. S. C. G. S. 21N, 145E Mariana Islands H = 23 50 15 Alberni eP 24 01 58
AUGUST 27 Alberni iP 17 31 29.6 iS 17 31 43.9 Horseshoe Bay iP 17 31 12.6 c	AUGUST 28 Alberni eP 23 28 50 Banff eP 23 29 20	
AUGUST 27 Horseshoe Bay eP 17 49 05 e 17 51 02		

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Banff eP 24 02 25 d? Horseshoe Bay eP 24 02 03 Lillooet eP 24 02 09 d? Resolute iP 24 02 13 d eS 24 11 10 Victoria eP 24 02 05	AUGUST 30 Horseshoe Bay iP 01 53 39.0 iS 01 53 50.1	SEPTEMBER 1 Horseshoe Bay iP 00 23 29.7 eS 00 23 51.0
AUGUST 29 U. S. C. G. S. 21N, 145E Mariana Islands aftershock H = 00 57 45 Alberni eP 01 09 31 d? Banff eP 01 10 02 Horseshoe Bay eP 01 09 36 Lillooet eP 01 09 41 d? Resolute iP 01 09 47 c eL 01 38.7 Victoria eP 01 09 38	AUGUST 30 U. S. C. G. S. 39N, 73E Tadzhik S. S. R. H = 16 17 56 Banff eP 16 30 54 Halifax eP 16 31 01 Horseshoe Bay iP 16 31 00 c Lillooet eP 16 30 59 c? Ottawa eP 16 31 03 c Resolute eL 16 52.9 Shawinigan Falls eP 16 30 54 c	SEPTEMBER 1 U. S. C. G. S. 39N, 75E Sinkiang Prov., China H = 12 49 55 Resolute eL 13 23 28
AUGUST 29 U. S. C. G. S. 21N, 145E Mariana Islands aftershock H = 00 57 45 Alberni eP 01 09 31 d? Banff eP 01 10 02 Horseshoe Bay eP 01 09 36 Lillooet eP 01 09 41 d? Resolute iP 01 09 47 c eL 01 38.7 Victoria eP 01 09 38	AUGUST 31 Halifax eP 02 00 30	SEPTEMBER 1 U. S. C. G. S. 18N, 147 1/2E Mariana Islands H = 23 59 54 Banff eP 24 12 06 d? Horseshoe Bay iP 24 11 47 D, W eL 24 35.6 Lillooet eP 24 11 51 d? Ottawa eP' 24 18 57 Resolute iP 24 12 06 d Victoria eP 24 11 46 d? eL 24 35.2
AUGUST 29 U. S. C. G. S. San Juan Province, Argentina H = 12 47 06 h = 150 km Halifax eP 12 58 43 d? Ottawa eP 12 58 47	AUGUST 31 U. S. C. G. S. 49N, 100E Outer Mongolia H = 12 01 06 Resolute eP 12 26.1	SEPTEMBER 2 Alberni iP 01 50 49.5 i 01 51 04.3
AUGUST 29 Banff iP 22 10 13 c Local Shock		



DOMINION OBSERVATORIES

Horseshoe Bay  
 iP 01 50 53.1 d?  
 i 01 51 12.9  
 Victoria  
 iP 01 50 42.2 N,E  
 iS 01 50 51.0  
 i 01 50 54.1

SEPTEMBER 2

Resolute  
 eL 06 41 20

SEPTEMBER 2

U.S.C.G.S.  
 15S, 173 1/2W  
 Samoa Islands  
 H = 09 46 30

Banff  
 eP 09 58 56

Horseshoe Bay  
 eP 09 58 36

Resolute  
 eS 10 11 07

Victoria  
 eP 09 58 26

SEPTEMBER 2

U.S.C.G.S.  
 51 1/2N, 168W  
 Fox Islands, Aleutians  
 H = 14 20 13

Alberni  
 iP 14 26 00 D,N,W

Banff  
 iP 14 26 41 d

Halifax  
 eP 14 30 46 d?

Horseshoe Bay  
 eS 14 30 55  
 eL 14 33 37

Ottawa  
 iP 14 30 02 d  
 i 14 30 14  
 eS 14 38 02  
 eSS 14 42 04

Resolute  
 iP 14 27 21 d  
 i 14 30 44  
 eS 14 33 04  
 eS<sub>C</sub>S 14 37 30  
 eL 14 40.6

Shawinigan Falls  
 iP 14 30 06 d  
 i 14 30 18

Victoria  
 iP 14 26 10 d?  
 iP<sub>C</sub>P 14 29 21 d

SEPTEMBER 2

Horseshoe Bay  
 eP 18 15 53 c?

Ottawa  
 eP 18 14 44

Victoria  
 eP 18 15 54

SEPTEMBER 2

Horseshoe Bay  
 eP 18 30 59 c?

Victoria  
 eP 18 31 00

SEPTEMBER 2

U.S.C.G.S.  
 37N, 71E

Hindu Kush  
 H = 21 27 36

h = 200 km

Halifax  
 e(P) 21 41 38

Ottawa  
 eP 21 40 29  
 ePS 21 52 16

Resolute  
 iP 21 38 20 c

esP 21 39 31

epPPP 21 41 54

epPPP 21 43 36

eS 21 47 10

Shawinigan Falls  
 eP 21 40 50

SEPTEMBER 3

U.S.C.G.S.  
 12S, 167E

Santa Cruz Islands  
 H = 06 06 42

Halifax  
 eP' 06 25 29

Ottawa  
 eP' 06 25 30

Resolute  
 eL 06 56.5

SEPTEMBER 3

U.S.C.G.S.  
 53N, 167W

Fox Islands, Aleutians  
 H = 07 49 52

Ottawa  
 eP 07 59 35

SEPTEMBER 3

Alberni  
 eP 16 40 25

Horseshoe Bay  
 e 16 40 39

Victoria  
 iP 16 40 26 C,N,E  
 eS 16 43 05

SEPTEMBER 3

Resolute  
 eL 20 38.2

SEPTEMBER 4

U.S.C.G.S.  
 12S, 167 1/2E

Santa Cruz Islands  
 H = 01 31 23

Resolute  
 eL 02 26.0

SEISMOLOGICAL BULLETIN - 1957

SEPTEMBER 4

U.S.C.G.S.  
 Fox Islands, Aleutians

H = 04 25 05

Resolute  
 eL 04 41.2

SEPTEMBER 4

U.S.C.G.S.  
 South Indian Ocean

H = 04 33 51

Resolute  
 eS 05 16 55  
 eL 05 39.4

SEPTEMBER 4

U.S.C.G.S.  
 4S, 151 1/2E

New Britain  
 H = 12 26 35

Resolute  
 e(SS) 12 58.4  
 eL 13 07.4

SEPTEMBER 4

Resolute  
 e 20 26 04

SEPTEMBER 5

Alberni  
 eP 01 36 49.1  
 eS 01 37 25

Horseshoe Bay  
 eP 01 36 38.8  
 iS 01 37 06.7

Victoria  
 iP 01 36 31.0  
 i 01 36 52.0

SEPTEMBER 5

U.S.C.G.S.  
 55 1/2N, 159W

Alaska Peninsula  
 H = 04 01 49

Banff

eP 04 06 42

Horseshoe Bay  
 eP 04 06 52

Ottawa  
 iP 04 11 33 c

Shawinigan Falls  
 iP 04 11 23 c

Victoria  
 eP 04 06 54

SEPTEMBER 5

Banff  
 eP 04 15 02

Victoria  
 eP 04 15 37

SEPTEMBER 5

U.S.C.G.S.  
 53 1/2N, 160 1/2E

Near east coast of  
 Kamchatka

H = 07 25 19

Banff  
 eP 07 34 05

Lillooet  
 eP 07 33 41

Ottawa  
 eP 07 36 34 d

SEPTEMBER 5

Horseshoe Bay  
 e 07 41 54

Victoria  
 e 07 41 58

SEPTEMBER 5

U.S.C.G.S.  
 Southern Iran

H = 11 36 07

Resolute  
 eL 12 08.2

SEPTEMBER 5

Banff  
 iP 21 46 35.5

iS 21 46 40.2

SEPTEMBER 5

Alberni  
 iP 21 59 54.5

eS 22 00 07

Horseshoe Bay  
 i 22 00 02.2

Victoria  
 iP 21 59 42.3  
 iS 21 59 45.7

SEPTEMBER 6

U.S.C.G.S.  
 20S, 68W

Chile-Bolivia border  
 H = 00 17 55

h = 100 km

Banff  
 iP 00 30 05 d

Horseshoe Bay  
 iP 00 30 18 d

Lillooet  
 iP 00 30 19 d

Ottawa  
 iP 00 28 30 d  
 epP 00 28 57

eP<sub>C</sub>P 00 29 07  
 eS 00 37 06

Shawinigan Falls  
 eP 00 28 37

Victoria  
 eP 00 30 16

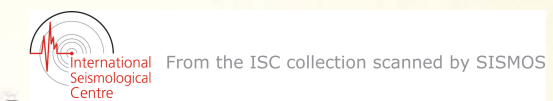
SEPTEMBER 6

U.S.C.G.S.  
 51N, 177W

Andreanof Islands,  
 Aleutians

H = 04 54 37

Ottawa  
 eP 05 05 05  
 eS 05 13 38





DOMINION OBSERVATORIES

Resolute  
 eP 05 02 12  
 ePP 05 03.0  
 eP<sub>c</sub>P 05 04 33  
 eS 05 08 49  
 Shawinigan Falls  
 eP 05 05 12

SEPTEMBER 6

Alberni  
 iP 12 33 50.3  
 i 12 34 00.0  
 Banff  
 eP 12 35 01.2  
 Horseshoe Bay  
 iP 12 33 48.7  
 iS 12 33 57.2  
 Lillooet  
 iP 12 34 06.6  
 Victoria  
 iP 12 33 53.6  
 iS 12 34 05.7

SEPTEMBER 6

Alberni  
 iP 12 35 43.4  
 eS 12 35 53.5

SEPTEMBER 7

U.S.C.G.S.  
 8 1/2N, 72W  
 Western Venezuela  
 H = 01 10 32  
 Banff  
 eP 01 20 10 c  
 Horseshoe Bay  
 iP 01 20 34 c  
 Shawinigan Falls  
 eP 01 17 52

SEPTEMBER 7

U.S.C.G.S.  
 50N, 156E  
 Northern Kurile Islands  
 H = 06 48 36

Banff  
 iP 06 57 41 c  
 Horseshoe Bay  
 eP 06 57 27  
 Ottawa  
 iP 07 00 16  
 Resolute  
 iP 06 57 08 c  
 eS 07 04.0  
 Shawinigan Falls  
 iP 07 00 16

SEPTEMBER 7

U.S.C.G.S.  
 51 1/2N, 178 1/2W  
 Andreanof Islands,  
 Aleutian Islands  
 H = 10 06 47  
 Alberni  
 iP 10 13 32 c?S,E  
 iS 10 18 56  
 eL 10 23.1

Banff

iP 10 14 09 c  
 Horseshoe Bay  
 iP 10 13 37 c,S,E  
 eP<sub>c</sub>P 10 16 10  
 iS 10 19 08  
 eL 10 23.1

Lillooet

iP 10 14 07 c  
 Ottawa  
 iP 10 17 13 c  
 eS 10 25 38  
 ePS 10 26 04  
 eS<sub>c</sub>S 10 27 03

Resolute

iP 10 14 27 d  
 ePP 10 16 03  
 eS 10 20 11  
 eL 10 23 26  
 Saskatoon  
 iP 10 15 11  
 eS 10 21 04  
 eL 10 24 44

Seven Falls

eS 10 25 (46)  
 ePS 10 26 (23)

Shawinigan Falls  
 iP 10 17 17 c  
 Victoria  
 iP 10 13 41 c,S,E

SEPTEMBER 8

Resolute  
 eL 01 36 19

SEPTEMBER 8

U.S.C.G.S.  
 52N, 171W  
 Fox Islands, Aleutians  
 H = 10 19 48  
 Ottawa  
 eP 10 30 02  
 Resolute  
 eL 10 39 58  
 Shawinigan Falls  
 eP 10 29 52

SEPTEMBER 8

U.S.C.G.S.  
 5S, 152E  
 New Britain  
 H = 13 18 55  
 h = 60 km  
 Ottawa  
 eP' 13 37 47  
 Shawinigan Falls  
 eP' 13 37 47

SEPTEMBER 9

U.S.C.G.S.  
 48S, 100E  
 South Indian Ocean  
 H = 00 13 30  
 Alberni  
 eP' 00 33 32  
 Banff  
 e 00 33 35  
 e 00 33 59  
 Horseshoe Bay  
 eP' 00 33 26



SEISMOLOGICAL BULLETIN - 1957

Ottawa  
 eP<sub>1</sub>' 00 33 34  
 eP<sub>2</sub>' 00 35 22  
 e 00 35 58  
 e 00 37 44  
 ePP 00 39 20  
 e 00 41 06  
 e 00 44 08  
 eSKKS 00 45 26  
 e 00 50 40  
 ePPS 00 53 23  
 Resolute  
 iP' 00 33 34 c  
 e 00 35 02  
 ePP 00 38 06  
 e 00 46 28  
 eP'P' 00 55 42  
 ePSPS 00 57 36  
 Victoria  
 eP' 00 33 26

SEPTEMBER 9

U.S.C.G.S.  
 15S, 176 1/2W  
 Fiji Islands region  
 H = 09 00 33  
 Banff  
 eP 09 13 11 c?  
 Horseshoe Bay  
 eP 09 12 43  
 e 09 22 55  
 Ottawa  
 ePP 09 19 26  
 ePS 09 28 52  
 Resolute  
 eS 09 26 19  
 eSS 09 33 02  
 Victoria  
 eP 09 12 41  
 eL 09 37.2

SEPTEMBER 9

Ottawa  
 iP<sub>1</sub> 16 01 34  
 iS<sub>1</sub> 16 01 43  
 i 16 01 47  
 D = 70 km

Shawinigan Falls  
 eP<sub>n</sub> 16 02 05  
 eS<sub>n</sub> 16 02 36  
 e 16 02 59  
 D = 330 km

SEPTEMBER 10

U.S.C.G.S.  
 Ascension Island  
 region  
 H = 00 13 55  
 Ottawa  
 eP 00 25 45 d

SEPTEMBER 10

U.S.C.G.S.  
 27N, 96 1/2E  
 India-Burma border  
 H = 06 13 40  
 Resolute  
 eL 06 57.8

SEPTEMBER 10

U.S.C.G.S.  
 1 1/2S, 80W  
 Near coast of Ecuador  
 H = 14 43 05  
 h = 400 km  
 Resolute  
 eL 15 11.4

SEPTEMBER 10

Banff  
 eP 20 09 25 c?  
 Victoria  
 eP 20 09 54

SEPTEMBER 11

Ottawa  
 iP<sub>n</sub> 14 31 33  
 iS<sub>n</sub> 14 31 50  
 eL 14 31 58  
 D = 150 km

SEPTEMBER 11  
 U.S.C.G.S.  
 New Ireland region  
 H = 14 26 45  
 Resolute  
 eL 15 18.7

SEPTEMBER 11

Alberni  
 i 19 16 19.8  
 Horseshoe Bay  
 iP 19 16 02.8  
 May be blast

SEPTEMBER 11

U.S.C.G.S.  
 16S, 172W  
 Samoa Islands region  
 H = 23 22 09  
 Alberni  
 iP 23 34 06 c

Banff  
 iP 23 34 35 c

Horseshoe Bay  
 iP 23 34 10 c?N,E

Victoria  
 iP 23 34 06 c,N,E

SEPTEMBER 12

U.S.C.G.S.  
 17 1/2N, 85W  
 100 miles north of  
 Honduras  
 H = 00 28 02

Banff  
 iP 00 35 51 c

Halifax  
 iP 00 34 41 d,S,W  
 iS 00 40 04 N,E

Horseshoe Bay

iP 00 36 12 c  
 eS 00 42 30  
 eL 00 46.3  
 Ottawa  
 iP 00 34 10 d  
 i 00 34 21



DOMINION OBSERVATORIES

ePP 00 35 09 SEPTEMBER 12 SEPTEMBER 13  
 eS 00 39 05 Alberni Victoria  
 eL 00 43 22 iP 23 03 45.6 d eP 02 55 11.3  
 Resolute eS 23 04 03 eS 02 55 25.3  
 iP 00 37 58 c Horseshoe Bay  
 eS 00 45.8 iP 23 03 37.0 d,S,E  
 eScS 00 47 43 eS 23 03 47 SEPTEMBER 13  
 Seven Falls Victoria Alberni  
 iP 00 34 (29) d iP 23 03 29.5 c?W eP 14 29 49  
 i 00 34 (40) eS 14 30 12  
 ePP 00 35 (37) Horseshoe Bay  
 eS 00 39 (46) SEPTEMBER 12 iP 14 29 37.8 d  
 eSS 00 41 (46) Alberni iS 14 29 52.2  
 Shawinigan Falls eP 23 08 20  
 iP 01 34 25 d eS 23 08 37 SEPTEMBER 14  
 i 01 34 36 Horseshoe Bay Alberni  
 ePP 01 35 30 iP 23 08 10.1 iP 02 55 03.7  
 eS 01 39 36 iS 23 08 20.4  
 eL 01 44.8 Victoria  
 Victoria eP 23 08 03  
 iP 00 36 10 c,N,W e 23 08 06 SEPTEMBER 14  
 eS 00 42 40 Alberni  
 eSS 00 46 08 iP 03 21 16.9 d,S,E  
 eL 00 46.5 SEPTEMBER 12 iS 03 21 34.6  
 Alberni Banff  
 iP 23 09 54.0 iP 03 22 14.6 c  
 iS 23 10 11.1 eS 03 23 15  
 Horseshoe Bay Horseshoe Bay  
 iP 23 09 44.7 iP 03 21 08.4 S,E  
 iS 23 09 54.9 eS 03 21 18  
 Victoria Lillooet  
 iP 23 09 37.2 iP 03 22 28.3  
 iS 23 09 40.9 i 03 22 31.2  
 Victoria  
 iP 03 21 00.2 d,N,E?



SEISMOLOGICAL BULLETIN - 1957

SEPTEMBER 14 Halifax SEPTEMBER 16  
 Ottawa iP' 04 41 28 d U.S.C.G.S.  
 eP 12 57 11 i! 04 41 32 d 82N, 120E  
 Shawinigan Falls Horseshoe Bay Arctic Ocean  
 eP 12 57 13 eP' 04 40 49 H = 01 34 36  
 Ottawa Resolute  
 eP' 04 41 25 c  
 ePP' 04 42 32  
 ePP 04 44 31  
 Resolute  
 eP'P' 04 51 10  
 Seven Falls SEPTEMBER 16  
 U.S.C.G.S. 54N, 158 1/2E  
 Kamchatka  
 H = 09 04 23  
 Resolute  
 eL 09 30 56  
 SEPTEMBER 17  
 Alberni  
 eP 04 57 40  
 i 04 58 15  
 Horseshoe Bay  
 eP 04 57 45.6  
 Victoria  
 iP 04 57 33.6  
 iS 04 57 40.0  
 Resolute  
 eSKS 19 06.4  
 ePS 19 09.1  
 e 19 12.7  
 SEPTEMBER 17  
 Alberni  
 iP 06 37 41.4  
 iS 06 38 05  
 Horseshoe Bay  
 eP 06 37 46.0  
 iS 06 38 10.5  
 Lillooet  
 iP 06 37 43.0  
 Victoria  
 eP 06 37 56  
 eS 06 38 32  
 SEPTEMBER 15  
 U.S.C.G.S. 51N, 174 1/2W  
 Andeanof Islands,  
 Aleutians  
 H = 22 07 21  
 Halifax  
 iP 22 18 21 c  
 Ottawa  
 eP 22 17 38  
 Resolute  
 e 22 23 15  
 Seven Falls  
 eP 22 17 45 c  
 Shawinigan Falls  
 eP 22 17 42



DOMINION OBSERVATORIES

Horseshoe Bay  
 e 12 43 54  
 i 12 44 32  
 Victoria  
 eP 12 44 25

SEPTEMBER 17  
 Horseshoe Bay  
 eP 21 52 03.5  
 iS 21 52 15.1

SEPTEMBER 17  
 Horseshoe Bay  
 iP 22 41 11.4 c  
 iS 22 41 22.7

SEPTEMBER 18  
 U.S.C.G.S.  
 53N, 160E  
 Kamchatka  
 H = 00 59 20  
 Resolute  
 eL 01 23.9

SEPTEMBER 18  
 U.S.C.G.S.  
 52 1/2N, 168W  
 Fox Islands, Aleutians  
 H = 18 15 10  
 Resolute  
 eL 18 35.4

SEPTEMBER 18  
 Banff  
 iP 23 09 25 c

SEPTEMBER 19  
 Horseshoe Bay  
 iP 06 21 05.7  
 iS 06 21 16.0  
 Victoria  
 eP 06 20 58.4  
 eS 06 21 02.1  
 i 06 21 09.5

SEPTEMBER 19  
 U.S.C.G.S.  
 52N, 168W  
 Fox Islands,  
 Aleutians  
 H = 13 42 06  
 Ottawa  
 eP 13 52 05  
 Resolute  
 eL 14 04.1  
 Victoria  
 eP 13 48 01

SEPTEMBER 19  
 U.S.C.G.S.  
 Nevada Nuclear  
 Explosion  
 H = 17 00 00  
 Victoria  
 e 17 03 13

SEPTEMBER 19  
 U.S.C.G.S.  
 19S, 176W  
 Tonga Islands  
 H = 17 02 02  
 h = 200 km  
 Resolute  
 e(SKS) 17 26 14  
 e(SSS) 17 37 20  
 e(SSS) 17 39 43

SEPTEMBER 20  
 Victoria  
 eP 06 36 43

SEPTEMBER 20  
 U.S.C.G.S.  
 46N, 151 1/2E  
 Kurile Islands  
 H = 08 25 19  
 Ottawa  
 eP 08 37 27

SEPTEMBER 20  
 Resolute  
 eL 14 10 46

SEPTEMBER 20  
 Ottawa  
 eP 14 12 55 c  
 Victoria  
 eP 14 12 07

SEPTEMBER 20  
 Ottawa  
 iP<sub>n</sub> 15 00 32  
 eS<sub>n</sub> 15 00 49  
 eL 15 00 57  
 D = 150 km

SEPTEMBER 20  
 Banff  
 iP 21 51 42 c  
 May be blast

SEPTEMBER 20  
 Banff  
 iP 22 28 25 c  
 May be blast

SEPTEMBER 20  
 U.S.C.G.S.  
 52N, 170 1/2W  
 Fox Islands, Aleutians  
 H = 23 07 22  
 Halifax  
 iP 23 18 16 d  
 Ottawa  
 eP 23 17 20 d  
 eP<sub>c</sub>P 23 18 20  
 ePP 23 19 39  
 Resolute  
 e 23 27.0  
 Shawinigan Falls  
 eP 23 17 23 d  
 i 23 17 35

SEISMOLOGICAL BULLETIN - 1957

SEPTEMBER 21  
 Alberni  
 iP 01 06 47.2 c  
 iS 01 06 57.5  
 Horseshoe Bay  
 iP 01 06 45.4  
 iS 01 07 54.0

SEPTEMBER 21  
 Horseshoe Bay  
 iP 02 38 14.3  
 iS 02 38 34.9  
 Victoria  
 iP 02 37 59.3 c  
 iS 02 38 09.3

SEPTEMBER 21  
 Alberni  
 iP 12 56 16.0  
 iS 12 56 28.5  
 Horseshoe Bay  
 iP 12 56 09.3  
 iS 12 56 17.2  
 Victoria  
 iP 12 56 08.0 d  
 eS 12 56 14.7

SEPTEMBER 21  
 U.S.C.G.S.  
 40 1/2N, 34 1/2E  
 Northern Turkey  
 H = 20 16 53  
 Halifax  
 eP 20 27 51  
 Resolute  
 eS 20 35 17  
 Victoria  
 eP 20 29 50

SEPTEMBER 21  
 Alberni  
 iP 23 23 07.9  
 eS 23 23 27.1  
 Horseshoe Bay  
 iP 23 22 57.7  
 e 23 23 10.1

Victoria  
 iP 23 22 48.9 c?  
 eS 23 22 54

SEPTEMBER 23  
 U.S.C.G.S.  
 6S, 131E  
 Banda Sea  
 H = 09 22 36  
 Ottawa  
 ePKS 09 45 17  
 Seven Falls  
 ePKS 09 45 (11)

SEPTEMBER 23  
 Horseshoe Bay  
 eP 12 56 03

SEPTEMBER 23  
 U.S.C.G.S.  
 5 1/2N, 127 1/2E  
 Mindanao, P.I.  
 H = 08 21 05  
 Alberni  
 iP 08 34 44 d  
 eS 08 45 19  
 ePPS 08 47 39  
 Banff  
 eP 08 35 08  
 Halifax  
 iP' 08 40 19  
 iPP 08 42 29  
 ePS 08 53 19  
 ePPS 08 54 19  
 eSS 08 59 57

Horseshoe Bay  
 eP 08 34 48 d  
 ePP 08 38 56  
 iS 08 45 55  
 iPPS 08 47 55

Ottawa  
 epP 08 37 01 d  
 eP' 08 40 10 c  
 i 08 40 21  
 PP 08 41 58  
 e 08 42 10  
 ePKS 08 43 24  
 ePPP 08 44 49  
 eSKS 08 47 10  
 eS 08 49 22  
 ePS 08 52 08  
 ePPS 08 53 40  
 e 08 57 26  
 eSS 08 58 20

Resolute  
 iP 08 34 36 c  
 ePP 08 38 36  
 eS 08 45 38

Saskatoon  
 ePP 08 39 49  
 eS 08 46 00  
 ePPS 08 49.3  
 ePS 08 54.2

Seven Falls  
 eP' 08 40 (04)  
 ePKS 08 43 (25)  
 eSKKS 08 48 (29)  
 eS 08 49 (38)

Shawinigan Falls  
 eP' 08 40 09 c

Victoria  
 eP 08 34 48 c?E  
 ePP 08 38 58  
 iS 08 45 56  
 iPPS 08 47 57  
 iSS 08 52 47

SEPTEMBER 24  
 U.S.C.G.S.  
 6N, 127E  
 Mindanao aftershock  
 H = 09 10 30



DOMINION OBSERVATORIES

Ottawa eP<sub>c</sub>P 06 00 10  
 eP' 09 29 34  
 Seven Falls Resolute  
 eP' 09 29 (25) eP 05 59 43 c  
 Shawinigan Falls e 05 59 44 d  
 eP' 09 29 35 d eS 06 06 54  
 eSS 06 10 11  
 Seven Falls  
 SEPTEMBER 24 eP 05 56 (38)  
 Alberni eS 06 01 (15)  
 eP 11 12 39 eL 06 04.1  
 iS 11 13 00.9 Shawinigan Falls  
 Horseshoe Bay eP 05 56 55  
 iP 11 12 36.3 c ePP 05 58 02  
 iS 11 12 55.7 ePPP 05 58 20  
 Victoria Victoria  
 iP 11 12 23.9 N? eL 06 20.7  
 iS 11 12 33.9

SEPTEMBER 24  
 Alberni U.S.C.G.S.  
 iP 18 36 55.8 Mindanao aftershock  
 iS 18 37 13.8 H = 16 36 37  
 Horseshoe Bay Ottawa  
 iP 18 36 58.5 c eP' 16 55 44  
 iS 18 36 20.1 Resolute  
 Victoria eS 17 00 34  
 iP 18 36 45.9 c,N eSS 17 08 08  
 iS 18 36 59.1 eSSS 17 12 11  
 Seven Falls  
 eP' 16 55 (34)  
 Shawinigan Falls  
 eP' 16 55 43

SEPTEMBER 25  
 U.S.C.G.S.  
 34N, 38 1/2W  
 Near Azores Islands H = 05 50 56  
 Alberni Mindanao aftershock  
 eL 06 24.0 H = 22 17 00  
 Banff Resolute  
 eP 06 00 45 eS 22 41 56  
 Halifax eSS 22 48 34  
 eP 05 55 54 d!  
 iS 05 59 58 N!E?  
 Horseshoe Bay  
 eL 06 20.4  
 Ottawa  
 eP 05 57 14  
 ePP 05 58 28

SEPTEMBER 25  
 U.S.C.G.S.  
 Mindanao aftershock  
 H = 16 36 37  
 Ottawa  
 eP' 16 55 44  
 Resolute  
 eS 17 00 34  
 eSS 17 08 08  
 eSSS 17 12 11  
 Seven Falls  
 eP' 16 55 (34)  
 Shawinigan Falls  
 eP' 16 55 43

SEPTEMBER 25  
 U.S.C.G.S.  
 34N, 38 1/2W  
 Near Azores Islands  
 H = 05 50 56  
 Alberni Mindanao aftershock  
 eL 06 24.0 H = 22 17 00  
 Banff Resolute  
 eP 06 00 45 eS 22 41 56  
 Halifax eSS 22 48 34  
 eP 05 55 54 d!  
 iS 05 59 58 N!E?  
 Horseshoe Bay  
 eL 06 20.4  
 Ottawa  
 eP 05 57 14  
 ePP 05 58 28

SEPTEMBER 26  
 U.S.C.G.S.  
 Near coast of  
 Chiapas, Mexico  
 H = 08 03 50  
 Banff  
 iP 08 10 (56) c  
 Ottawa  
 eP 08 10 39  
 Resolute  
 eL 08 37.7

SEPTEMBER 26  
 U.S.C.G.S.  
 15N, 92 1/2W  
 Guatemala-Mexico  
 border  
 H = 13 35 22  
 h = 150 km  
 Banff  
 eP 13 42 (42) c?  
 Ottawa  
 iP 13 41 54 d  
 Resolute  
 eS 13 53 32

SEPTEMBER 26  
 Alberni  
 iP 15 32 27.9 c  
 iS 15 32 50.2  
 Horseshoe Bay  
 iP 15 32 05.6 c?  
 iS 15 32 16.1  
 Victoria  
 eP 15 32 44.7  
 e 15 32 59.0

SEPTEMBER 26  
 Alberni  
 iP 16 42 43.6  
 Horseshoe Bay  
 iP 16 42 52.5  
 Local shock

SEISMOLOGICAL BULLETIN - 1957

SEPTEMBER 26  
 U.S.C.G.S.  
 6N, 126 1/2E  
 Mindanao aftershock  
 H = 18 46 41  
 Ottawa  
 eP' 19 05 45 d  
 Resolute  
 eS 19 11 04  
 eSS 19 17 49  
 Seven Falls  
 eP' 19 05 (34)  
 Shawinigan Falls  
 iP' 19 05 45 d

SEPTEMBER 27  
 U.S.C.G.S.  
 64N, 178E  
 Eastern Siberia  
 H = 04 58 52  
 Alberni  
 iP 05 05 33 d?  
 Banff  
 eP 05 06 00 c?  
 Horseshoe Bay  
 iP 05 05 37 c  
 Lillooet  
 iP 05 05 34 c  
 Ottawa  
 iP 05 08 34 c  
 Resolute  
 iP 05 04 56 c  
 e(SSS) 05 11 50  
 Seven Falls  
 iP 05 08 (27)  
 Shawinigan Falls  
 iP 05 08 36  
 Victoria  
 iP 05 05 43 c

SEPTEMBER 27  
 U.S.C.G.S.  
 1S, 127E  
 Spice Islands  
 H = 04 08 23  
 Ottawa  
 eP' 04 27 43 c  
 Resolute  
 eS 04 33 06  
 Seven Falls  
 eP' 04 27 (39)  
 ePKS 04 30 (52)  
 Shawinigan Falls  
 eP' 04 27 43 d  
 ePKS 04 31 05

SEPTEMBER 27  
 U.S.C.G.S.  
 1S, 127 1/2E  
 Spice Islands aftershock  
 H = 04 18 49  
 Ottawa  
 eP' 04 38 10  
 Seven Falls  
 ePKS 04 41 (36)  
 Shawinigan Falls  
 eP' 04 38 09

SEPTEMBER 27  
 U.S.C.G.S.  
 53N, 168W  
 Fox Islands, Aleutians  
 H = 05 48 15  
 Banff  
 eP 05 54 47 c?  
 Ottawa  
 eP 05 58 01  
 Resolute  
 eL 06 06 18  
 Shawinigan Falls  
 eP 05 58 03

SEPTEMBER 27  
 U.S.C.G.S.  
 52 1/2N, 169W  
 Fox Islands, Aleutians  
 H = 11 16 52  
 Banff  
 iP 11 23 29 d

Ottawa  
 eP 11 26 47  
 Resolute  
 eL 11 35.3  
 Seven Falls  
 eP 11 27 (11)  
 Shawinigan Falls  
 eP 11 26 52

SEPTEMBER 28  
 U.S.C.G.S.  
 30 1/2N, 137 1/2E  
 Off south coast of  
 Honshu, Japan  
 H = 00 27 31  
 h = 500 km  
 Alberni  
 iP 00 38 08 c  
 Banff  
 iP 00 38 (38) c  
 Lillooet  
 iP 00 38 14 c  
 Ottawa  
 iP 00 40 19 c  
 e 00 44 08  
 ePP 00 44 20  
 eSKS 00 50 09  
 eS 00 51 01  
 ePS 00 53 20  
 esPS 00 55 32  
 Resolute  
 iP 00 37 52 c  
 eS 00 46 23  
 eS<sub>c</sub>S 00 47 09  
 Seven Falls  
 eSKS 00 49 (58)  
 Shawinigan Falls  
 iP 00 40 18 c  
 ePP 00 44 25  
 Victoria  
 iP 00 38 15 c,S,E

SEPTEMBER 28  
 U.S.C.G.S.  
 20 1/2S, 178W  
 Fiji Islands



DOMINION OBSERVATORIES

H = 14 20 00  
h = 650 km  
Alberni  
iP 14 31 33 d  
ePP 14 33 39  
eS 14 41 01  
i 14 41 12  
eSS 14 44 55  
Banff  
iP 14 32 07 d  
Halifax  
iP' 14 37 50  
ePP 14 39 34  
eSKS 14 43 48  
e 14 45 32  
iS 14 46 40  
e 14 49 32  
e 14 57 18  
Ottawa  
epP 14 35 55 c  
eP' 14 37 33 d  
ePP 14 38 30  
eScS 14 38 36  
epPP 14 40 35  
ePPP 14 41 31  
eSKS 14 43 25  
eSKKS 14 44 12  
e 14 44 32  
eS 14 45 32  
eSP 14 47 21  
ePS 14 48 22  
iPKKP 14 48 34  
esS 14 49 22  
esPS 14 51 00  
e 14 52 02  
e 14 52 30  
eSS 14 53 38  
e 14 56 20  
esSS 14 57 11  
eSSS 14 58 10  
Resolute  
iP 14 33 22 c  
eP' 14 37 23  
ePP 14 37 52  
eSKKS 14 43 54  
Seven Falls  
iP' 14 37 (30) d  
ePP 14 38 (21)  
e 14 38 (51)

e 14 39 (56)  
ePPP 14 41 (26)  
eSKS 14 43 (30)  
e 14 44 (47)  
eS 14 45 (48)  
e 14 46 (35)  
eSP 14 47 (24)  
e 14 48 (02)  
ePKKP 14 48 (21)  
esS 14 49 (37)  
esPS 14 51 (19)  
e 14 51 (59)  
e 14 52 (26)  
eSSS 14 57 (26)  
Shawinigan Falls  
iP' 14 37 37 c  
ePP 14 38 35  
eScS 14 38 41  
ePPP 14 41 39  
eSKS 14 43 35  
eSKKS 14 44 21  
eS 14 45 46  
eSP 14 47 35  
i 14 48 22  
i 14 49 00  
eSS 14 53 58  
Victoria  
iP 14 31 35  
iPP 14 33 43  
iS 14 41 15  
iSS 14 45 01

SEPTEMBER 28

U. S. C. G. S.  
20 1/2S, 178 1/2W  
Fiji Island aftershock  
H = 14 44 02  
h = 600 km  
Alberni  
iP 14 55 38 d  
Horseshoe Bay  
iP 14 55 42 d  
e 14 57 47  
Ottawa  
eP' 15 01 38  
Seven Falls  
iP' 15 01 (35) c

Shawinigan Falls  
iP' 15 01 43 c  
Victoria  
iP 14 55 40

SEPTEMBER 28

U. S. C. G. S.  
17 1/2N, 146E  
Mariana Islands  
H = 21 03 18  
h = 200 km  
Horseshoe Bay  
iP 21 14 48 d  
i 21 15 36  
Resolute  
iP 21 15 02 d  
eS 21 25 08  
Victoria  
iP 21 14 48  
i 21 15 37

SEPTEMBER 29

U. S. C. G. S.  
64 1/2S, 172 1/2W  
South Pacific Ocean  
H = 02 08 55  
Resolute  
eL 03 12 03

SEPTEMBER 29

U. S. C. G. S.  
0, 124E  
Celebes  
H = 06 37 33  
h = 200 km  
Ottawa  
eP' 06 56 28  
eSKP 06 59 41  
Shawinigan Falls  
eP' 06 56 28

SEPTEMBER 29

U. S. C. G. S.  
20S, 178W  
Fiji Islands

SEISMOLOGICAL BULLETIN - 1957

H = 07 06 11  
h = 650 km  
Alberni  
iP 07 17 39 d  
Banff  
iP 07 18 11 d  
Horseshoe Bay  
eP 07 17 42  
Lillooet  
eP 07 17 49  
Victoria  
iP 07 17 39 d,S,E

Victoria  
iP 08 25 24 c,N,E  
iPP 08 27 30  
iS 08 35 32  
iSS 08 39 16

SEPTEMBER 29  
U. S. C. G. S.  
53 1/2N, 160E  
Near east coast of  
Kamchatka  
H = 13 30 42  
Banff  
eP 13 39 36 c?  
Ottawa  
eP 13 42 00  
Shawinigan Falls  
iP 13 42 13 c

SEPTEMBER 29  
U. S. C. G. S.  
25S, 178 1/2E  
South of Fiji  
H = 08 13 22  
h = 600 km  
Alberni  
eP 08 25 24  
eS 08 35 29  
Horseshoe Bay  
iP 08 25 27 c  
ePP 08 27 35  
iS 08 35 36  
iSS 08 39 20  
Lillooet  
eP 08 25 26  
Ottawa  
eP' 08 31 07  
i 08 31 18  
ePP 08 32 33  
e 08 33 48  
ePKKP 08 41 30  
Resolute  
e(S) 08 38 49  
eSS 08 47 04  
esSS 08 50 26  
Seven Falls  
iP' 08 31 (03) d  
iPP' 08 33 (44)  
ePKKP 08 41 (06)  
Shawinigan Falls  
iP' 08 31 12 c  
e 08 33 52  
ePKKP 08 41 23

SEPTEMBER 29  
Alberni  
eP 16 43 30  
i 16 43 41.5  
i 16 43 45.4  
Horseshoe Bay  
iP 16 43 26.2  
iS 16 43 36.9  
Victoria  
iP 16 43 17.5  
iS 16 43 23.5

SEPTEMBER 30  
U. S. C. G. S.  
24 1/2N, 143E  
Volcano Islands  
H = 20 21 30  
Resolute  
eL 21 02.0



## I. G. Y. MICROSEISMIC BULLETIN

JUNE - SEPTEMBER - 1957

## NOTES

Four stations only have been read, an Atlantic Station - Halifax, an inland station - Ottawa, a Pacific station - Victoria, and an Arctic station - Resolute. The following instruments are used:

Halifax - Willmore  $Z T_s = 1$  sec.  $T_g = 2.0$  sec.  
 Ottawa - Benioff  $Z T_s = 1$  sec.  $T_g = 20$  sec.  
 Victoria - Benioff  $Z T_s = 1$  sec.  $T_g = 75$  sec.  
 Resolute - Columbia  $Z T_s = 15.9$  sec.  $T_g = 9.7$  sec.



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		June 21	0	...			3	0.1	3.0	1	0.1	2.6	2
	1	...			3	0.1	3.0	1	0.1	2.5	2	0.3	4.0
	2	...			3	0.1	3.0	1	0.1	2.5	2	0.4	4.4
	3	...			3	0.1	3.0	1	0.1	3.0	2	0.4	3.4
	4	...			3	0.1	3.0	1	0.1	2.7	0,0		
	5	...			3	0.1	3.0	0,0			2	0.2	2.7
	6	...			3	0.2	3.6	1	0.1	2.2	0,0		
	7	...			3	0.1	3.6	1	0.1	2.4	0,0		
	8	...			3	0.2	3.6	0,0			2	0.3	2.6
	9	...			3	0.2	3.6	1	0.1	2.5	2	0.2	2.0
	10	...			3	0.1	3.4	1	0.1	2.1	0,0		
	11	...			3	0.1	3.6	1	0.1	2.0	0,0		
	12	...			3	0.1	3.6	1	0.1	2.2	0,0		
	13	...			3	0.2	3.7	0,0			0,0		
	14	...			3	0.2	3.7	0,0			0,0		
	15	...			3	0.2	3.7	0,0			0,0		
	16	...			3	0.2	3.7	0,0			0,0		
	17	...			3	0.1	3.7	0,0			0,0		
	18	...			3	0.1	3.7	0,0			2	0.3	2.4
	19	...			3	0.1	3.7	0,0			...		
	20	...			3	0.1	3.7	0,0			0,0		
	21	...			3	0.1	3.6	...			0,0		
	22	...			3	0.1	3.6	0,0			0,0		
	23	...			3	0.1	3.6	0,0			0,0		
June 22	0	...			3	0.1	3.5	0,0			0,0		
	1	...			3	0.1	3.5	0,0			0,0		
	2	...			3	0.1	3.5	0,0			0,0		

DOMINION OBSERVATORIES

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS	
		K	A	T	K	A	T	K	A	T	K	A	T		
		June 22	3	...			3	0.1	3.5	0,0			0,0		
	4	...			3	0.2	3.8	0,0			0,0				
	5	...			3	0.2	3.8	0,0			0,0				
	6	...			3	0.2	3.6	...			0,0				
	7	...			...			0,0			...				
	8	...			3	0.2	3.6	0,0			0,0				
	9	...			3	0.2	3.7	0,0			0,0				
	10	...			3	0.2	3.7	0,0			0,0				
	11	...			3	0.2	3.7	0,0			0,0				
	12	...			3	0.2	3.7	0,0			0,0				
	13	...			3	0.2	3.7	0,0			0,0				
	14	...			3	0.2	3.7	0,0			0,0				
	15	...			3	0.2	3.7	0,0			0,0				
	16	...			3	0.1	3.4	0,0			0,0				
	17	...			3	0.1	3.4	0,0			0,0				
	18	...			3	0.1	3.4	0,0			0,0				
	19	...			3	0.1	3.4	0,0			0,0				
	20	...			3	0.1	3.4	0,0			0,0				
	21	...			3	0.1	3.4	0,0			0,0				
	22	...			3	0.1	3.4	0,0			0,0				
	23	...			3	0.1	3.4	0,0			...				
June 23	0	...			3	0.1	3.4	...			...			Earthquake	
	1	...			...			...			...				
	2	...			...			...			...				
	3	...			...			...			...				
	4	...			...			0,0			...				
	5	...			3	0.1	3.4	0,0			2	0.4	4.0		

I. G. Y. MICROSEISMIC BULLETIN

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		June 23	6	...			3	0.1	3.4	0,0			2	
	7	...			3	0.1	3.4	0,0			2	0.5	4.2	
	8	...			3	0.2	4.0	0,0			2	0.5	4.0	
	9	...			3	0.2	4.0	0,0			2	0.5	4.2	
	10	...			3	0.2	4.0	0,0			2	0.5	4.0	
	11	...			3	0.2	4.0	0,0			2	0.5	3.8	
	12	...			3	0.2	4.0	0,0			2	0.5	4.0	
	13	...			3	0.2	4.0	1	0.1	2.1	2	0.5	4.0	
	14	...			3	0.2	4.0	1	0.1	2.5	2	0.5	4.2	
	15	...			3	0.2	4.0	1	0.1	2.8	2	0.5	4.0	
	16	...			3	0.2	4.0	1	0.1	2.2	2	0.4	3.6	
	17	...			3	0.2	4.0	1	0.1	2.0	2	0.5	4.4	
	18	...			3	0.2	4.0	1	0.1	2.0	2	0.6	5.0	
	19	...			3	0.2	4.0	1	0.1	2.6	2	0.3	4.4	
	20	...			3	0.2	4.0	1	0.1	2.5	2	0.5	4.2	
	21	...			3	0.2	4.0	1	0.1	2.5	2	0.5	4.0	
	22	...			3	0.2	4.0	1	0.1	2.6	2	0.4	3.8	
	23	...			3	0.2	4.0	1	0.1	3.0	2	0.5	5.0	
June 24	0	...			3	0.2	4.0	1	0.1	2.5	2	0.5	4.4	
	1	...			3	0.2	4.0	1	0.1	3.0	2	0.5	4.6	
	2	...			3	0.2	4.0	1	0.1	2.5	2	0.5	5.0	
	3	...			3	0.2	4.0	1	0.2	2.8	2	0.6	4.8	
	4	...			3	0.2	4.0	1	0.2	2.8	2	0.3	4.5	
	5	...			3	0.2	4.0	1	0.2	2.9	2	0.4	4.0	
	6	...			3	0.2	4.0	1	0.2	2.7	2	0.5	4.0	
	7	...			3	0.2	4.0	1	0.2	2.7	2	0.5	4.2	
	8	...			3	0.2	4.0	1	0.2	3.0	2	0.7	4.4	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		June 24	9	...			3	0.2	4.0	1	0.2	3.0	2	
	10	...			3	0.2	4.0	1	0.2	3.0	...			
	11	...			3	0.1	3.3	1	0.2	3.2	2	0.5	5.0	
	12	...			3	0.1	3.3	1	0.2	3.0	2	0.6	4.0	
	13	...			3	0.1	3.0	1	0.2	3.0	2	0.6	4.8	
	14	...			3	0.1	3.0	1	0.2	2.8	2	0.4	4.8	
	15	...			3	0.1	3.0	1	0.2	3.0	2	0.4	4.5	
	16	...			3	0.1	3.0	1	0.2	3.0	2	0.5	4.0	
	17	...			3	0.1	3.0	1	0.2	3.0	2	0.7	5.0	
	18	...			3	0.1	3.0	1	0.2	2.9	2	0.6	5.0	
	19	...			3	0.1	3.0	1	0.1	2.5	2	0.4	4.0	
	20	...			3	0.1	3.0	1	0.2	2.9	2	0.3	3.8	
	21	...			0,0			1	0.2	3.0	2	0.2	4.0	
	22	...			0,0			1	0.2	3.0	2	0.4	4.0	
	23	...			0,0			1	0.1	2.7	2	0.5	4.1	
June 25	0	...			0,0			1	0.2	3.0	2	0.4	5.0	
	1	...			3	0.1	3.0	1	0.1	2.5	2	0.5	4.0	
	2	...			3	0.1	3.0	1	0.1	2.5	2	0.4	4.5	
	3	...			3	0.1	3.0	1	0.1	2.5	2	0.5	4.0	
	4	...			3	0.1	3.0	1	0.2	2.9	2	0.4	4.2	
	5	...			3	0.1	3.0	1	0.2	2.8	2	0.6	4.5	
	6	...			3	0.1	3.0	1	0.1	2.6	2	0.3	4.0	
	7	...			3	0.1	3.0	1	0.1	2.7	2	0.5	4.2	
	8	...			3	0.1	3.0	1	0.1	2.8	2	0.5	4.8	
	9	...			3	0.1	3.0	1	0.1	3.0	2	0.8	5.0	
	10	...			3	0.1	3.0	1	0.1	3.0	2	0.4	4.5	
	11	...			3	0.1	3.0	1	0.1	2.6	2	0.4	5.0	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		June 25	12	...			3	0.1	3.0	1	0.1	3.0	2
	13	...			0,0			1	0.1	3.0	2	0.4	4.5
	14	...			0,0			1	0.1	3.0	2	0.4	4.0
	15	...			0,0			1	0.1	3.0	2	0.5	4.1
	16	...			0,0			1	0.1	2.6	2	0.6	5.0
	17	...			0,0			1	0.1	2.9	2	0.3	5.0
	18	...			0,0			1	0.1	2.8	2	0.5	4.0
	19	...			0,0			1	0.1	2.8	2	0.5	4.0
	20	...			0,0			1	0.1	2.6	2	0.5	4.0
	21	...			0,0			1	0.1	2.9	2	0.6	5.8
	22	...			0,0			1	0.1	2.7	2	0.5	4.0
	23	...			0,0			1	0.1	2.3	2	0.6	4.0
June 26	0	...			0,0			1	0.1	2.5	2	0.6	4.2
	1	...			0,0			1	0.1	2.6	2	0.6	4.2
	2	...			0,0			1	0.1	2.7	2	0.7	4.2
	3	...			0,0			1	0.1	2.9	2	0.6	4.0
	4	...			0,0			1	0.1	2.5	2	0.5	3.6
	5	...			0,0			1	0.1	2.8	2	0.7	5.0
	6	...			0,0			1	0.1	2.8	2	0.6	3.0
	7	...			0,0			1	0.1	3.0	2	0.7	4.0
	8	...			0,0			1	0.1	3.0	2	0.6	3.0
	9	...			0,0			1	0.1	3.0	2	0.5	3.0
	10	...			0,0			1	0.1	2.9	2	0.5	3.1
	11	...			0,0			1	0.1	2.9	2	0.8	4.0
	12	...			0,0			1	0.1	3.0	2	0.2	3.0
	13	...			3	0.1	3.0	1	0.1	2.7	2	0.8	3.0
	14	...			3	0.1	3.0	1	0.1	2.9	2	1.0	5.0

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		June 26	15	...			3	0.1	3.0	1	0.1	2.8	2	
	16	...			3	0.1	3.0	0,0			2	1.0	5.0	
	17	...			3	0.1	3.0	1	0.1	2.4	2	1.3	5.0	
	18	...			3	0.1	3.0	0,0			2	0.8	5.4	
	19	...			3	0.1	3.0	1	0.1	2.3	2	1.2	6.0	
	20	...			3	0.1	3.0	0,0			2	0.6	3.5	
	21	...			3	0.1	3.0	1	0.1	2.3	2	1.2	5.5	
	22	...			3	0.1	3.0	1	0.1	2.5	2	1.0	5.0	
	23	...			3	0.1	3.0	0,0			2	1.0	4.8	
June 27	0	...			3	0.1	3.0	...			2	1.0	5.0	
	1	...			...			...			...			
	2	...			...			1	0.1	2.5	...			
	3	...			3	0.1	3.0	0,0			...			
	4	...			3	0.1	3.0	0,0			2	0.7	6.0	
	5	...			3	0.1	3.0	0,0			2	1.2	6.0	
	6	...			3	0.1	3.0	0,0			2	0.8	5.5	
	7	...			3	0.1	3.0	0,0			2	0.7	5.0	
	8	...			3	0.1	3.0	0,0			2	0.8	5.0	
	9	...			3	0.1	3.0	0,0			2	0.7	5.5	
	10	...			3	0.1	3.0	0,0			2	0.8	5.0	
	11	...			3	0.1	3.0	0,0			2	0.8	6.0	
	12	...			3	0.1	3.0	0,0			2	0.8	5.0	
	13	...			3	0.2	4.0	0,0			2	0.5	6.0	
	14	...			3	0.2	4.0	0,0			2	0.6	5.0	
	15	...			3	0.2	4.0	0,0			2	0.7	5.0	
	16	...			3	0.2	4.0	0,0			2	0.7	5.4	
	17	...			3	0.2	4.0	0,0			2	0.6	5.0	

Earthquake

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		June 27	18	...			3	0.2	4.0	0,0			2	
	19	...			3	0.2	4.0	...			2	0.6	5.0	
	20	...			3	0.2	4.0	0,0			2	0.5	4.2	
	21	...			3	0.2	4.0	0,0			2	0.6	4.5	
	22	...			3	0.2	4.0	0,0			2	0.5	5.0	
	23	...			3	0.2	4.0	0,0			2	0.7	5.5	
June 28	0	...			3	0.1	4.0	0,0			2	0.2	4.5	
	1	...			3	0.1	4.0	1 0.1 2.7			2	0.6	5.0	
	2	...			3	0.1	4.0	1 0.1 2.8			2	0.6	5.5	
	3	...			3	0.1	3.0	1 0.1 3.0			2	0.2	5.0	
	4	...			3	0.1	3.0	1 0.1 2.8	0,0					
	5	...			0,0			1 0.2 2.9	0,0					
	6	...			3	0.2	4.0	1 0.2 2.9	0,0					
	7	...			3	0.1	3.7	1 0.2 3.0	0,0					
	8	...			3	0.1	3.3	1 0.3 3.3	0,0					
	9	...			3	0.1	3.0	1 0.2 3.3	0,0					
	10	...			3	0.1	3.0	1 0.2 3.2	0,0					
	11	...			3	0.1	3.0	1 0.2 3.6	2 0.2 5.0					
	12	...			3	0.1	3.0	1 0.2 3.1	2 0.4 3.5					
	13	...			3	0.1	3.0	1 0.2 3.0	0,0					
	14	...			3	0.1	4.0	1 0.2 3.1	0,0					
	15	...			3	0.1	4.0	1 0.2 3.0	2 0.5 5.0					
	16	...			3	0.3	5.0	1 0.1 3.0	2 0.1 4.0					
	17	...			3	0.3	5.0	1 0.1 2.8	2 0.6 4.5					
	18	...			3	0.3	5.0	1 0.1 2.5	2 0.6 4.0					
	19	...			3	0.3	5.0	1 0.1 2.2	2 0.5 4.0					
	20	...			3	0.3	5.0	0..	2 0.4 5.0					

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		June 28	21	...			3	0.3	5.0	0..			2	
	22	...			3	0.3	5.0	0..			2	0.6	4.8	
	23	...			3	0.3	5.0	0..			2	0.5	4.2	
June 29	0	...			3	0.3	5.0	0..			2	0.4	4.0	
	1	...			3	0.3	5.0	0..			2	0.5	4.0	
	2	...			3	0.3	5.0	0..			2	0.8	5.0	
	3	...			3	0.2	5.0	0..			2	0.6	4.5	
	4	...			3	0.2	5.0	0..			2	0.6	5.0	
	5	...			3	0.3	5.0	0..			2	0.5	4.4	
	6	...			3	0.3	5.0	0..			2	0.6	4.0	
	7	...			0,0			0..			2	0.6	5.0	
	8	...			0,0			0..			...			
	9	...			0,0			0..			2	0.4	4.5	
	10	...			3	0.1	2.0	0..			2	0.5	4.0	
	11	...			3	0.1	2.9	0..			2	0.6	4.5	
	12	...			3	0.2	3.0	0..			2	0.6	4.3	
	13	...			3	0.2	3.0	0..			2	0.6	5.0	
	14	...			3	0.2	3.0	0..			2	0.4	4.3	
	15	...			3	0.2	3.0	0..			2	0.6	5.1	
	16	...			3	0.2	3.0	0..			2	0.4	4.0	
	17	...			3	0.2	3.0	0..			2	0.6	5.0	
	18	...			3	0.2	3.0	0..			2	0.8	5.5	
	19	...			3	0.2	3.0	0..			2	0.6	5.0	
	20	...			3	0.2	3.0	0..			2	0.4	4.5	
	21	...			3	0.2	3.0	0..			2	0.7	4.5	
	22	...			3	0.2	3.0	0,0			2	0.7	5.0	
	23	...			3	0.2	3.0	0,0			2	0.1	6.0	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		June 30	0	...			3	0.2	3.0	1	0.1	2.4	2
	1	...			3	0.2	3.0	1	0.1	2.3	2	0.4	5.0
	2	...			3	0.2	3.0	1	0.1	2.5	2	0.4	6.0
	3	...			3	0.3	3.0	1	0.1	2.6	2	0.3	5.5
	4	...			3	0.3	3.0	1	0.1	3.0	2	0.3	5.5
	5	...			3	0.3	4.0	1	0.2	2.8	2	0.4	6.0
	6	...			3	0.4	4.0	1	0.1	2.8	2	0.2	5.5
	7	...			3	0.4	4.0	1	0.1	2.9	2	0.3	5.0
	8	...			3	0.4	4.0	1	0.1	3.0	2	0.1	4.5
	9	...			3	0.4	4.0	1	0.2	3.0	2	0.4	5.5
	10	...			3	0.4	4.0	1	0.2	3.0	2	0.2	4.5
	11	...			3	0.4	4.0	1	0.2	3.0	2	0.3	4.3
	12	...			3	0.4	4.0	1	0.2	3.0	2	0.3	4.1
	13	...			3	0.4	4.0	1	0.1	3.0	2	0.2	5.0
	14	...			3	0.4	4.0	1	0.1	2.4	2	0.3	5.0
	15	...			3	0.4	4.0	1	0.1	2.5	2	0.3	5.0
	16	...			3	0.4	4.0	1	0.1	2.5	2	0.2	5.0
	17	...			3	0.4	4.0	1	0.1	2.5	2	0.1	5.2
	18	...			3	0.4	4.0	1	0.1	2.5	2	0.2	5.0
	19	...			3	0.4	4.0	1	0.1	3.0	2	0.3	5.0
	20	...			3	0.4	4.0	1	0.1	2.6	2	0.2	5.0
	21	...			3	0.3	4.0	1	0.1	2.4	2	0.2	4.8
	22	...			3	0.3	4.0	1	0.1	2.5	2	0.1	4.0
	23	...			3	0.3	4.0	1	0.2	2.8	2	0.2	5.0

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 1	0	...			3	0.3	4.0	0,0			2	
	6	...			3	0.3	4.0	0,0			2	0.3	4.4	
	12	...			3	0.3	3.8	0,0			2	0.2	4.3	
	18	...			3	0.4	3.9	0,0			0,0			
July 2	0	...			3	0.3	4.0	0,0			0,0			
	6	...			3	0.3	4.0	0,0			0,0			
	12	...			3	0.3	4.0	0,0			0,0			
	18	...			3	0.2	3.3	0,0			0,0			
July 3	0	...			3	0.3	3.6	0,0			0,0			
	6	...			3	0.3	4.0	0,0			0,0			
	12	...			3	0.2	4.0	0,0			2	0.1	3.0	
	18	...			3	0.3	5.0	0,0			2	0.2	4.0	
July 4	0	...			3	0.3	5.0	0,0			0,0			
	1	...			3	0.2	4.0	0,0			0,0			
	2	...			3	0.3	4.8	0,0			0,0			
	3	...			3	0.2	4.9	0,0			0,0			
	4	...			3	0.3	5.0	0,0			0,0			
	5	...			3	0.3	5.0	0,0			0,0			
	6	...			3	0.2	4.9	0,0			0,0			
	7	...			3	0.2	4.0	0,0			0,0			
	8	...			3	0.2	4.0	0,0			0,0			
	9	...			3	0.2	4.0	0,0			0,0			
July 4	10	...			3	0.2	4.0	0,0			0,0			
	11	...			3	0.2	3.9	0,0			0,0			
	12	...			3	0.2	3.8	0,0			0,0			
	13	...			3	0.2	3.6	0,0			0,0			
	14	...			3	0.2	4.0	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 4	15	...			3	0.2	4.0	0,0			0,0	
	16	...			3	0.2	4.0	0,0			0,0			
	17	...			3	0.2	4.0	0,0			0,0			
	18	...			3	0.2	4.0	0,0			0,0			
	19	...			3	0.2	4.0	0,0			...			
	20	...			3	0.2	4.0	0,0			...			
	21	...			3	0.2	4.0	0,0			...			
	22	...			3	0.2	4.0	0,0			...			
	23	...			...			0,0			...			
July 5	0	...			3	0.2	4.0	0,0			...			
	6	...			3	0.2	4.0	0,0			...			
	12	...			3	0.2	4.0	0,0			...			
	18	...			3	0.2	4.0	0,0			1	0.2	3.2	
July 6	0	...			3	0.2	4.0	0,0			1	0.2	3.2	
	6	...			3	0.2	4.0	0,0			1	0.2	3.1	
	12	...			3	0.2	4.0	0,0			1	0.2	3.0	
	18	...			3	0.2	4.0	0,0			1	0.2	3.1	
July 7	0	...			3	0.2	4.0	0,0			0,0			
	6	...			3	0.2	4.0	0,0			0,0			
	12	...			3	0.2	4.0	0,0			0,0			
	18	...			3	0.2	4.0	0,0			0,0			
July 8	0	...			3	0.1	4.0	0,0			0,0			
	6	...			3	0.2	4.0	0,0			1	0.2	3.0	
	12	...			3	0.1	3.8	0,0			1	0.5	4.0	
	18	...			3	0.1	3.8	0,0			1	0.5	3.4	

Earthquake

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 9	0	...			3	0.1	3.3	0,0			1	
	6	...			3	0.1	3.6	0,0			1	0.6	4.6	
	12	...			3	0.1	3.3	0,0			1	0.6	4.5	
	18	...			3	0.1	3.0	0,0			1	0.5	4.0	
July 10	0	...			...			0,0			1	0.5	4.4	Ottawa - no record
	6	...			3	0.1	3.0	0,0			1	0.4	4.2	
	12	...			3	0.2	3.0	0,0			2	0.2	4.0	
	18	...			3	0.2	3.2	0,0			2	0.1	3.7	
July 11	0	...			3	0.2	3.3	0,0			2	0.1	3.7	
	6	...			3	0.2	3.0	0,0			2	0.1	4.0	
	12	...			3	0.2	3.0	0,0			2	0.3	3.5	
	18	...			3	0.2	3.6	0,0			1	0.4	3.6	
July 12	0	...			3	0.2	3.2	0,0			2	0.4	3.5	
	6	...			3	0.1	3.1	0,0			2	0.3	3.5	
	12	...			3	0.1	3.0	0,0			0,0			
	18	...			3	0.1	3.0	0,0			0,0			
July 13	0	...			3	0.1	3.0	0,0			...			
	6	...			3	0.1	3.0	0,0			0,0			
	12	...			3	0.1	3.0	0,0			0,0			
	18	...			3	0.1	3.0	0,0			0,0			
July 14	0	...			3	0.1	3.0	0,0			0,0			
	6	...			3	0.1	3.0	0,0			1	0.2	4.0	
	12	...			3	0.1	3.0	0,0			1	0.3	4.5	
	18	...			3	0.1	3.0	0,0			1	0.3	3.8	
July 15	0	...			3	0.1	3.0	0,0			2	0.4	4.0	
	6	...			3	0.2	3.6	0,0			2	0.4	4.0	
	12	...			3	0.2	3.6	0,0			1	0.7	4.1	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA				
		K	A	T	K	A	T	K	A	T	K	A	T		
		July 12	18	...			3	0.2	4.0				...		
16	0	...			3	0.2	4.0				...				
	6	...			3	0.2	4.0				...				
	12	...			3	0.2	4.0				...				
	18	...			3	0.2	4.0				2	0.6	4.0		
17	0	...			3	0.1	4.0				...				
	6	...			3	0.1	4.0				...				
	12	...			3	...					...				
	18	...			3	0.2	4.0	0,0			2	0.2	4.0		
July 18	0	...			3			0,0			0,0				
	6	...			3			1	0.6	3.5	0,0				
	12	...			3			1	1.0	4.1	0,0				
	18	...			3			1	1.2	4.3	0,0				
19	0	...			...			1	0.7	3.9	0,0				
	6	...			...			0,0			0,0				
	12	...			...			0,0			0,0				
	18	...			3	0.2	4.0	0,0			0,0				
20	0	...			3	0.2	4.0	0,0			...				
	6	...			3	0.2	4.0	0,0			2	0.3	4.0		
	12	...			1	0.2	4.0	0,0			2	0.4	4.6		
	18	...			1	0.4	4.0	0,0			...				
21	0	...			1	0.3	4.0	0,0			2	0.3	4.0		
	6	...			1	0.3	4.0	0,0			2	0.1	3.7		
	12	...			1	0.2	4.0	2	0.7	3.4	...				
	18	...			1	0.2	4.0	2	0.6	3.0	0,0				
22	0	...			1	0.2	4.0	...			0,0				
	6	...			1	0.2	4.0	...			0,0				

Earthquake

 Ottawa - no record  
 Ottawa - no record  
 Ottawa - no record

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 22	12	...			1	0.2	4.0	...			0,0	
	18	...			1	0.2	4.0	...			0,0			
23	0	...			1	0.2	4.0	...			...			
	6	...			1	0.2	4.0	...			...			
	12	...			1	0.2	4.0	...			...			
	18	...			1	0.2	4.0	0,0			...			
24	0	...			1	0.2	4.0	0,0			0,0			
	6	...			1	0.2	4.0	0,0			0,0			
	12	...			1	0.2	4.0	0,0			0,0			
	18	...			1	0.2	4.0	0,0			0,0			
25	0	...			1	0.2	4.0	0,0			0,0			
	6	...			1	0.2	4.0	0,0			0,0			
	12	...			1	0.3	4.0	0,0			0,0			
	18	...			1	0.3	4.0	0,0			...			
26	0	...			1	0.3	4.0	0,0			0,0			
	1	...			1	0.2	4.0	0,0			0,0			
	2	...			1	0.2	4.0	0,0			0,0			
	3	...			1	0.2	4.0	0,0			0,0			
	4	...			1	0.2	4.0	0,0			0,0			
	5	...			1	0.2	4.0	0,0			0,0			
	6	...			1	0.2	4.0	0,0			0,0			
	7	...			1	0.2	4.0	0,0			0,0			
	8	...			1	0.2	4.0	0,0			0,0			
	9	...			1	0.2	4.0	0,0			0,0			
	10	...			1	0.2	4.0	0,0			0,0			
	11	...			1	0.2	4.0	0,0			0,0			
	12	...			1	0.2	4.0	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 26	13	...			1	0.2	4.0	0,0			0,0	
	14	...			1	0.2	4.0	0,0			0,0			
	15	...			1	0.2	4.0	0,0			0,0			
	16	...			1	0.2	4.0	0,0			0,0			
	17	...			1	0.2	4.0	0,0			0,0			
	18	...			1	0.2	4.0	0,0			0,0			
	19	...			1	0.2	4.0	0,0			0,0			
	20	...			1	0.2	4.0	0,0			0,0			
	21	...			1	0.2	4.0	0,0			0,0			
	22	...			1	0.2	4.0	0,0			0,0			
	23	...			1	0.2	4.0	0,0			0,0			
July 27	0	...			1	0.2	4.0	0,0			0,0			
	1	...			1	0.2	4.0	0,0			0,0			
	2	...			1	0.2	4.0	0,0			0,0			
	3	...			1	0.2	4.0	0,0			0,0			
	4	...			1	0.2	4.0	0,0			0,0			
	5	...			1	0.2	4.0	0,0			0,0			
	6	...			1	0.2	4.0	0,0			0,0			
	7	...			1	0.2	4.0	0,0			0,0			
	8	...			1	0.2	4.0	0,0			0,0			
	9	...			1	0.2	4.0	0,0			0,0			
	10	...			1	0.2	4.0	0,0			0,0			
	11	...			1	0.2	4.0	0,0			0,0			
	12	...			1	0.2	4.0	0,0			0,0			
	13	...			1	0.2	4.0	0,0			0,0			
	14	...			1	0.2	4.0	0,0			0,0			
	15	...			3	0.2	4.0	0,0			0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		July 27	16	...			3	0.1	4.0	0,0			0,0	
	17	...			3	0.1	4.0	0,0			0,0			
	18	...			3	0.1	4.0	0,0			0,0			
	19	...			3	0.1	4.0	0,0			0,0			
	20	...			3	0.1	4.0	0,0			0,0			
	21	...			3	0.1	4.0	0,0			0,0			
	22	...			3	0.1	4.0	0,0			0,0			
	23	...			3	0.1	4.0	0,0			0,0			
	28	0	...		3	0.1	4.0	0,0			0,0			
		6	...		3	0.1	4.0	0,0			0,0			
		12	...		...			0,0			...			
		18	...		3	0.1	4.0	0,0			2	0.4	4.0	
	29	0	...		0,0			0,0			2	0.6	5.0	
		6	...		0,0			0,0			2	0.2	4.2	
		12	...		0,0			0,0			2	0.3	5.0	
		18	...		...			0,0			...			
July 30	0	...			3	0.1	4.0	0,0			0,0			
	6	...			3	0.1	4.0	0,0			0,0			
	12	...			3	0.2	3.0	0,0			0,0			
	18	...			3	0.1	3.0	0,0			0,0			
	31	0	...		3	0.1	3.0	0,0			0,0			
		6	...		3	0.2	3.4	0,0			0,0			
		12	...		3	0.1	3.4	0,0			0,0			
		18	...		3	0.2	3.5	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		...											
August	1	0	...		3	0.1	3.5	0,0			0,0		
	6	...			3	0.1	3.5	0,0			0,0		
	12	...			3	0.2	4.0	0,0			0,0		
	18	...			3	0.2	4.0	0,0			0,0		
	2	0	...		3	0.2	4.0	0,0			0,0		
	6	...			3	0.2	4.0	0,0			0,0		
	12	...			3	0.2	4.0	0,0			0,0		
	18	...			3	0.2	4.0	0,0			0,0		
	3	0	...		3	0.2	4.0	0,0			0,0		
	6	...			3	0.2	4.0	0,0			0,0		
	12	...			3	0.2	4.0	0,0			0,0		
	18	...			3	0.2	4.0	0,0			0,0		
	4	0	...		3	0.2	4.0	0,0			2	0.2	3.5
	6	...			3	0.2	4.0	0,0			2	0.5	4.5
	12	...			...			0,0			2	0.6	4.9
	18	...			3	0.2	4.0	0,0			3	0.4	4.0
	5	0	...		3	0.2	4.0	0,0			2	0.5	4.2
	6	...			3	0.2	4.0	0,0			2	0.3	4.1
	12	...			3	0.2	4.0	0,0			2	0.4	4.1
	18	...			3	0.2	4.0	0,0			2	0.3	4.0
	6	0	...		3	0.5	4.0	1	0.5	3.3	2	0.3	3.6
	6	...			3	0.5	4.0	1	0.6	3.5	...		
	12	...			3	0.5	4.0	0,0			...		
	18	...			3	0.5	4.0	0,0			0,0		
7	0	...		3	0.5	4.0	0,0			0,0			
6	...			3	0.5	4.0	0,0			...			
12	...			3	0.4	4.0	0,0			...			

Ottawa - Quake recorded

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		...												
August	7	18	...		3	0.3	4.0	0,0			3	0.2	3.6	
	8	0	...		3	0.3	4.0	0,0			3	0.2	3.4	
	6	...			3	0.3	4.0	0,0			0,0			
	12	...			3	0.2	4.0	0,0			3	0.1	4.0	
	18	...			3	0.2	3.3	0,0			3	0.3	4.6	
	9	0	...		3	0.1	3.3	0,0			3	0.3	5.2	
	6	...			3	0.1	3.4	0,0			0,0			
	12	...			3	0.1	3.2	0,0			0,0			
	18	...			3	0.1	3.3	0,0			0,0			
	10	0	...		3	0.2	3.8	0,0			0,0			
	6	...			3	0.2	4.0	0,0			0,0			
	12	...			3	0.2	4.0	0,0			3	0.2	4.0	
	18	...			3	0.2	4.0	0,0			0,0			
	11	0	...		3	0.2	4.0	0,0			2	0.2	3.6	
	6	...			3	0.2	4.0	0,0			2	0.1	2.7	
	12	...			3	0.2	4.0	0,0			0,0			
	18	...			3	0.2	4.0	0,0			0,0			
	12	0	...		3	0.2	4.0	0,0			0,0			
	1	...			3	0.1	4.0	0,0			0,0			
	2	...			3	0.1	3.9	0,0			0,0			
	3	...			3	0.1	3.5	0,0			0,0			
	4	...			3	0.1	3.0	0,0			0,0			
	5	...			3	0.1	3.0	0,0			0,0			
	6	...			3	0.1	3.0	0,0			0,0			
7	...			3	0.1	3.3	0,0			0,0				
8	...			3	0.1	3.4	0,0			0,0				

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 12	9	...			3	0.1	3.2	0,0			0,0	
	10	...			3	0.1	3.1	0,0			0,0			
	11	...			3	0.1	3.3	0,0			0,0			
	12	...			3	0.1	3.3	0,0			0,0			
	13	...			3	0.1	3.0	0,0			0,0			
	14	...			3	0.1	3.0	0,0			0,0			
	15	...			3	0.1	3.0	0,0			0,0			
	16	...			3	0.1	3.0	0,0			0,0			
	17	...			3	0.1	3.0	0,0			0,0			
	18	...			3	0.1	3.0	0,0			0,0			
	19	...			3	0.1	3.0	0,0			0,0			
	20	...			3	0.1	3.0	0,0			0,0			
	21	...			3	0.1	3.0	0,0			0,0			
	22	...			3	0.1	3.0	0,0			0,0			
	23	...			3	0.1	3.0	0,0			0,0			
13	0	...			3	0.1	3.0	0,0			0,0			
	6	...			3	0.2	2.7	0,0			0,0			
	12	...			3	0.2	3.0	0,0			0,0			
	18	...			3	0.2	3.1	0,0			0,0			
14	0	...			3	0.2	3.1	0,0			0,0			
	6	...			3	0.1	3.1	0,0			0,0			
	12	...			3	0.1	3.0	0,0			0,0			
	18	...			3	0.1	3.6	0,0			0,0			
15	0	...			3	0.1	3.7	0,0			0,0			
	6	...			3	0.1	3.6	0,0			0,0			
	12	...			3	0.1	3.6	0,0			0,0			

DOMINION OBSERVATORIES

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 15	18	...			3	0.1	3.5	0,0			0,0	
	16	0	...		3	0.1	3.5	0,0			...			
		6	...		3	0.1	3.5	0,0			0,0			
		12	...		3	0.1	3.5	0,0			0,0			
		18	...		3	0.2	3.5	0,0			0,0			
17	0	...			...			0,0			0,0			Ottawa - Quake recorded
	6	...			3	0.2	3.5	0,0			0,0			
	12	...			3	0.2	3.5	0,0			0,0			
	18	...			3	0.2	3.5	0,0			0,0			
18	0	...			3	0.2	3.5	0,0			0,0			
	6	...			3	0.1	3.5	0,0			0,0			
	12	...			3	0.1	3.5	0,0			0,0			
	18	...			3	0.1	3.4	0,0			0,0			
19	0	...			3	0.1	3.4	0,0			0,0			
	6	...			3	0.1	3.4	0,0			0,0			
	12	...			3	0.1	3.4	0,0			...			
	18	...			3	0.1	3.4	0,0			...			
20	0	...			3	0.2	3.7	0,0			0,0			
	6	...			3	0.2	3.7	0,0			0,0			
	12	...			3	0.2	3.7	0,0			...			
	18	...			3	0.3	3.7	0,0			0,0			
21	0	...			3	0.3	3.7	0,0			0,0			
	6	...			3	0.4	4.0	0,0			0,0			
	12	...			3	0.5	4.0	0,0			0,0			
	18	...			3	0.5	4.0	0,0			...			
22	0	...			3	0.5	4.0	0,0			...			
	6	...			3	0.5	4.0	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 22	12	...			3	0.5	4.0	0,0			0,0	
	18	...			3	0.3	4.0	0,0			0,0			
	23	0	...		3	0.3	4.0	0,0			0,0			
		6	...		3	0.3	4.0	0,0			0,0			
		12	...		3	0.3	4.0	0,0			0,0			
		18	...		3	0.3	4.0	0,0			0,0			
	24	0	...		3	0.3	3.8	0,0			3	0.2	4.0	
		6	...		3	0.3	3.8	0,0			3	0.4	4.1	
		12	...		3	0.3	3.8	0,0			3	0.2	4.0	
		18	...		3	0.3	3.7	0,0			3	0.1	4.0	
	25	0	...		3	0.3	4.0	1	0.6	3.5	3	0.2	4.2	
		1	...		3	0.3	4.0	0,0			3	0.1	3.1	
		2	...		3	0.3	4.0	0,0			3	0.2	3.8	
		3	...		3	0.3	4.0	0,0			3	0.2	4.0	
		4	...		3	0.3	4.0	0,0			3	0.2	4.0	
		5	...		3	0.3	4.0	0,0			3	0.3	4.6	
		6	...		3	0.3	4.0	0,0			3	0.4	4.5	
		7	...		3	0.4	4.0	0,0			3	0.2	4.0	
		8	...		3	0.4	4.0	0,0			3	0.2	5.0	
		9	...		3	0.4	4.0	0,0			3	0.3	4.2	
		10	...		3	0.3	4.0	0,0			3	0.2	4.2	
		11	...		3	0.3	3.9	0,0			3	0.2	4.8	
		12	...		3	0.3	3.9	0,0			3	0.2	3.8	
		13	...		3	0.3	3.9	0,0			0,0			
		14	...		3	0.2	3.5	0,0			2	0.1	5.0	
		15	...		3	0.2	3.6	0,0			2	0.1	5.0	
		16	...		3	0.2	3.6	0,0			...			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 25	17	...			3	0.2	3.6	0,0			...	
	18	...			3	0.2	3.6	0,0			2	0.2	4.0	
	19	...			3	0.2	3.6	0,0			2	0.1	4.0	
	20	...			3	0.2	3.6	0,0			3	0.2	4.0	
	21	...			3	0.2	3.6	0,0			3	0.2	4.5	
	22	...			3	0.2	3.6	0,0			3	0.2	4.5	
	23	...			3	0.2	3.6	0,0			3	0.1	4.0	
	26	0	...		3	0.2	4.0	0,0			0,0			
		1	...		3	0.3	4.0	0,0			0,0			
		2	...		3	0.2	4.0	0,0			0,0			
		3	...		3	0.3	4.0	0,0			3	0.1	3.0	
		4	...		3	0.3	4.0	0,0			0,0			
		5	...		3	0.3	4.0	0,0			0,0			
		6	...		3	0.2	4.0	0,0			0,0			
		7	...		3	0.2	4.0	0,0			0,0			
		8	...		3	0.2	3.9	0,0			0,0			
		9	...		3	0.2	3.9	0,0			0,0			
		10	...		3	0.2	3.6	0,0			0,0			
		11	...		3	0.2	3.6	0,0			0,0			
		12	...		3	0.2	3.6	0,0			...			
		13	...		3	0.2	3.5	0,0			...			
		14	...		3	0.2	3.5	0,0			...			
		15	...		3	0.2	3.5	0,0			...			
		16	...		3	0.2	3.5	0,0			0,0			
		17	...		3	0.2	3.5	0,0			0,0			
		18	...		3	0.3	3.5	0,0			0,0			
		19	...		3	0.3	3.5	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 26	20	...			3	0.3	3.5	0,0			0,0	
	21	...			3	0.3	3.5	0,0			...			
	22	...			3	0.3	3.5	0,0			0,0			
	23	...			3	0.3	3.5	0,0			0,0			
27	0	...			3	0.3	3.5	0,0			0,0			
	6	...			3	0.3	3.5	0,0			0,0			
	12	...			3	0.3	3.6	0,0			0,0			
	18	...			3	0.3	3.9	0,0			0,0			
28	0	...			3	0.4	4.0	0,0			0,0			
	6	...			3	0.5	4.0	0,0			0,0			Ottawa - Storm start
	9	...			3	0.5	4.0	0,0			0,0			
	12	...			3	0.5	3.9	0,0			0,0			
	15	...			1	0.6	3.6	0,0			0,0			
	18	...			1	0.7	4.0	0,0			0,0			
	21	...			1	0.7	4.0	0,0			0,0			
29	0	...			1	0.9	4.5	0,0			0,0			
	3	...			1	1.0	5.0	0,0			0,0			
	6	...			1	1.3	5.0	0,0			0,0			
	9	...			1	1.3	5.0	0,0			0,0			
	12	...			1	1.3	5.0	0,0			0,0			
	15	...			1	1.3	5.0	0,0			0,0			
	18	...			1	0.9	4.6	0,0			0,0			
	21	...			1	0.9	4.6	0,0			0,0			
30	0	...			1	0.8	5.0	0,0			0,0			
	3	...			3	0.8	5.0	0,0			0,0			
	6	...			3	0.9	6.0	0,0			0,0			Ottawa - Storm end
	12	...			3	0.5	4.0	0,0			0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		August 30	18	...			3	0.5	5.0	0,0			0,0	
31	0	...			3	0.4	4.6	0,0			0,0			
	6	...			3	0.3	4.6	0,0			0,0			
	12	...			3	0.3	4.6	0,0			0,0			
	18	...			3	0.3	4.6	0,0			0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		Sept. 1	0	...		3	0.2	4.6	0,0			0,0	
	1	...		3	0.2	4.6	3	0.1	2.4	0,0			
	2	...		3	0.2	4.4	3	0.2	2.9	0,0			
	3	...		3	0.2	4.4	3	0.1	2.6	0,0			
	4	...		3	0.2	4.4	3	0.1	2.9	0,0			
	5	...		3	0.2	4.3	3	0.1	2.5	0,0			
	6	...		3	0.2	4.3	0,0			0,0			
	7	...		3	0.2	4.2	3	0.1	2.4	0,0			
	8	...		3	0.2	4.2	0,0			0,0			
	9	...		3	0.2	4.1	0,0			3	0.2	5.0	
	10	...		3	0.2	4.1	0,0			3	0.1	4.0	
	11	...		3	0.2	4.0	0,0			3	0.1	3.5	
	12	...		3	0.2	4.0	0,0			3	0.2	3.1	
	13	...		3	0.2	4.0	0,0			3	0.1	3.2	
	14	...		3	0.2	4.0	0,0			0,0			
	15	...		3	0.2	3.9	0,0			2	0.2	4.0	
	16	...		3	0.2	4.0	0,0			2	0.2	4.0	
	17	...		3	0.2	4.0	0,0			2	0.2	4.0	
	18	...		3	0.2	3.9	0,0			2	0.2	4.2	
	19	...		3	0.2	3.9	0,0			0,0			
	20	...		3	0.1	3.6	0,0			0,0			
	21	...		3	0.1	3.6	0,0			0,0			
	22	...		3	0.1	3.3	0,0			0,0			
	23	...		3	0.1	3.3	0,0			0,0			
2	0	...		3	0.1	3.3	0,0			0,0			
	6	...		3	0.1	3.3	3	0.1	2.3	0,0			
	12	...		3	0.1	3.3	0,0			0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 2	18	...		3	0.1	3.3	0,0			2	0.2	
	3	0	...	3	0.1	3.5	2	0.1	1.8	0,0				
		6	...	3	0.1	3.5	0,0			2	0.2	5.0		
		12	...	3	0.2	3.5	0,0			2	0.2	5.0		
		18	...	3	0.2	3.5	2	0.1	2.0	2	0.4	4.6		
4	0	...		3	0.2	3.5	2	0.1	1.8	0,0				
	6	...		3	0.2	3.5	2	0.2	2.2	0,0				
	12	...		3	0.2	3.5	2	0.2	2.1	0,0				
	18	...		3	0.4	3.5	3	0.2	2.5	2	0.3	6.0		
5	0	...		3	0.2	2.0	3	0.4	2.8	2	0.3	6.0		
	6	...		3	0.2	2.0	3	0.5	3.3	2	0.2	6.0		
	12	...		3	0.2	2.0	3	0.6	3.8	2	0.4	6.0		
	18	...		3	0.1	2.0	3	0.2	3.0	2	0.3	4.1		
6	0	...		3	0.1	2.0	0,0			3	0.7	4.4		
	6	...		...			0,0			3	0.8	4.4	Ottawa - Quake	
	12	...		3	0.3	3.8	0,0			3	0.7	4.7		
	18	...		3	0.3	3.9	0,0			3	0.9	5.3		
Sept. 7	0	...		3	0.3	4.0	0,0			3	0.8	6.0		
	6	...		3	0.3	4.0	0,0			3	0.6	5.2		
	12	...		3	0.3	4.0	0,0			2	0.7	5.8		
	18	...		3	0.3	4.0	0,0			...				
8	0	...		3	0.3	4.0	3	0.2	2.6	...				
	6	...		3	0.3	4.0	3	0.4	3.5	...				
	12	...		3	0.2	4.0	3	0.7	3.9	...				
	18	3	0.1	2.0	3	0.2	4.0	2	0.6	3.6	2	0.5	5.5	
9	0	3	0.1	2.0	3	0.2	4.0	2	0.7	3.8	2	0.4	5.8	
	6	1	0.1	1.6	3	0.2	3.9	2	0.5	4.0	2	0.4	5.2	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 9	12	1	0.2	2.0	3	0.1	3.0	3	0.4	3.8	2	
	18	3	0.1	2.0	3	0.2	3.0	3	0.2	3.2	2	0.2	4.1	
10	0	3	0.2	2.0	3	0.2	3.2	3	0.3	3.3	2	0.2	3.7	
	6	3	0.2	2.0	3	0.2	3.5	3	0.2	3.5	2	0.2	4.1	
	12	3	0.2	2.1	3	0.3	3.8	0,0			2	0.4	4.5	
	18	3	0.2	2.0	3		3.7	0,0			2	0.3	4.2	
11	0	3	0.2	2.0	3	0.3	4.0	0,0			2	0.2	4.5	
	6	3	0.2	2.0	3	0.2	4.0	0,0			2	0.2	4.0	
	12	3	0.1	2.0	3	0.2	4.0	0,0			2	0.2	4.7	
	18	0,0			...			0,0			2	0.3	5.7	Ottawa - no record
12	0	0,0			3	0.2	4.0	0,0			2	0.2	5.1	
	6	3	0.1	2.0	3	0.2	4.0	0,0			2	0.2	4.3	
	12	3	0.1	2.0	3	0.2	4.0	3	0.2	3.1	2	0.2	4.2	
	18	3	0.1	2.0	3	0.2	4.0	2	0.2	3.0	2	0.2	4.1	
13	0	3	0.1	2.0	3	0.2	4.0	2	0.3	3.2	2	0.3	4.6	
	6	0,0			3	0.2	4.0	1-2	0.4	3.2	2	0.3	4.3	Resolute
	12	0,0			3	0.2	4.0	1	0.8	3.8	2	0.1	4.2	*Storm start
	15							1	0.7	3.2				
	18	0,0			3	0.2	4.0	1-2	0.9	3.7	2	0.1	4.2	
	21							1	1.1	4.0				
14	0	0,0			3	0.3	4.1	1	0.8	3.5	2	0.2	4.5	
	3							1	1.6	4.4				
	6	0,0			3	0.4	4.4	1	1.3	4.1	2	0.3	4.6	
	9							1	1.0	4.0				
	12	0,0			3	0.4	4.5	1	1.4	4.0	2	0.2	4.7	
	15							1	1.2	3.8				
	18	3	0.1	2.3	1	0.9	6.0	1	1.6	4.1	2	0.4	6.5	Ottawa - Storm - start

DOMINION OBSERVATORIES

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 14	21				1	0.9	6.0	1	1.4	3.9		
15	0	3	0.9	5.0	1	1.2	6.1	1	1.1	3.6	2	0.3	5.4	
	3				1	1.0	5.6	1-3	1.2	3.8				Resolute - storm end
	6	3	1.4	6.0	1	0.9	5.5	1-3	0.6	3.1	2	0.4	5.7	
	9				1	0.9	6.0							
	12	3-2	1.1	5.5	1	0.9	6.0	2	0.6	3.1	2	0.4	5.7	
	15				1	1.0	6.0							
	18	3-2	1.4	6.0	1	1.0	6.1	3	0.6	3.1	2	0.3	4.5	
	21				1	1.2	6.0							
16	0	3-2	1.5	6.0	1	1.2	6.2	3	0.5	3.2	2	0.3	4.7	
	3				1	1.2	6.2							
	6	2	2.3	6.5	1	1.2	6.2	3	0.4	3.0	2	0.2	4.1	
	9				1	1.5	6.2							
	12	2	1.4	6.2	1	1.6	7.0	3	0.4	3.0	2	0.2	4.0	
	15				1	1.6	7.0							
	18	3	1.8	5.8	1	1.6	7.0	3	0.5	3.3	2	0.3	4.2	
	21				...									
17	0	3	2.0	6.0	1	1.6	6.9	3	0.3	3.0	2	0.3	4.2	Ottawa - record change.
	3				1	1.2	6.0							
	6	3	1.6	6.0	1	1.2	6.0	2	0.2	2.6	2	0.2	4.0	
	9				1	1.2	6.0							
	12	3	0.9	5.0	1	1.2	6.0	2	0.2	2.7	2	0.2	4.8	
	15				1	1.1	5.5							
	18	3	1.3	5.0	1	1.1	5.9	2	0.1	2.3	0,0			
	21				1	1.0	6.0							
18	0	3	1.3	5.0	1	1.3	6.0	2	0.1	2.3	0,0			
	3				1	1.0	6.0							

I. G. Y. MICROSEISMIC BULLETIN

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 18	6	3	1.0	5.0	1	0.9	5.0	2	0.3	3.1	0,0	
	9				1	0.9	5.0							
	12	3	0.4	3.0	3	0.8	4.0	3	0.3	2.7	2	0.3	5.7	
	15				3	0.9	4.6							
	18	3	0.4	3.0	3	0.9	4.9	3	0.4	3.1	2	0.2	5.0	
	21				3	1.0	5.0							
19	0	3	0.3	3.0	3	1.0	5.0	3	0.3	3.2	2	0.3	6.2	
	3				3	0.8	5.1							
	6	3	0.1	2.0	3	0.9	5.6	3	0.3	3.2	2	0.3	5.8	
	9				3	1.1	5.5							
	12	3	0.1	2.0	3	1.1	5.5	3	0.3	3.1	0,0			
	15				3	1.0	5.9							
	18	3	0.1	2.0	3	1.0	6.0	3	0.2	2.8	2	0.2	4.5	
	21				3	1.0	6.0							
20	0	3	0.1	2.2	3	1.0	6.0	3	0.2	2.8	0,0			
	3				3	1.0	6.0							
	6	0,0			3	1.0	6.0	3	0.3	2.8	2	0.3	7.6	
	9				3	1.0	6.0							
	12	0,0			3	1.0	6.0	3	0.5	3.7	2	0.3	6.6	
	15				3	0.9	5.8							
	18	3	0.1	2.0	3	0.9	6.0	1	0.7	3.5	2	0.6	7.1	
	21				3	0.9	6.0							
21	0	3	0.1	1.8	3	0.8	5.7	3	0.3	3.0	3	0.3	6.0	
	1	3	0.1	1.8	3	1.0	6.9	2	0.3	2.8	3	0.4	6.8	
	2	0,0			3	0.9	6.3	2	0.2	2.5	3	0.6	6.1	
	3	0,0			3	0.9	6.0	2	0.3	2.7	3	0.6	7.2	
	4	0,0			3	0.7	6.0	2	0.2	2.7	3	0.4	7.1	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 21	5	0,0			3	0.7	6.0	2	0.2	2.9	3	
	6	0,0			3	0.7	6.0	2	0.2	2.9	3	0.4	6.4	
	7	0,0			3	0.8	6.0	2	0.2	2.8	3	0.3	6.5	
	8	0,0			3	0.8	6.0	2	0.2	2.4	3	0.2	4.7	
	9	0,0			3	0.8	6.0	2	0.2	2.7	3	0.4	6.7	
	10	0,0			3	0.7	6.0	2	0.3	3.1	3	0.4	5.6	
	11	0,0			3	0.8	6.1	3	0.2	3.0	3	0.4	6.4	
	12	0,0			3	0.8	6.0	3	0.2	2.9	3	0.4	6.3	
	13	0,0			...			3	0.2	2.9	3	0.2	4.0	
	14	0,0			...			3	0.2	2.6	2	0.2	3.7	
	15	0,0			3	0.7	6.0	3	0.2	3.0	2	0.2	3.5	
	16	0,0			3	0.7	6.0	3	0.2	2.5	3	0.2	3.8	
	17	0,0			3	0.8	6.2	3	0.2	3.0	3	0.4	6.3	
	18	0,0			1	0.9	6.5	3	0.2	3.0	3	0.5	6.3	
	19	0,0			1	0.9	6.6	3	0.2	2.8	3	0.4	6.1	
	20	0,0			1	0.7	6.2	3	0.2	2.7	3	0.5	6.7	
	21	0,0			1	0.9	6.2	3	0.2	2.8	3	0.4	6.1	
	22	0,0			1	0.9	6.2	3	0.2	2.9	3	0.4	6.0	Resolute - Storm start
	23	0,0			1	0.9	6.5	3	0.3	3.2	3	0.4	6.0	
Sept. 22	0	0,0			1	0.9	6.3	3	0.4	3.1	3	0.3	6.8	
	1	0,0			1	1.0	6.3	3	0.8	3.0	3	0.3	5.0	
	2	0,0			1	0.9	6.1	3	0.4	3.1	3	0.2	5.5	
	3	0,0			1	0.9	6.0	3	0.4	3.0	3	0.4	6.2	
	4	0,0			1	0.9	6.2	3	0.4	3.0	2	0.2	3.7	
	5	0,0			1	0.9	6.2	3	0.5	3.0	3	0.4	6.0	
	6	0,0			1	0.8	6.1	3	0.5	3.1	3	0.4	6.7	
	7	0,0			1	0.7	6.2	3	0.4	3.2	2	0.2	6.1	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		Sept. 22	8	0,0			1	0.7	6.3	3	0.4	3.1	2
	9	0,0			1	0.8	6.2	3	0.5	2.9	2	0.2	5.0
	10	0,0			1	0.9	6.0	3	0.6	3.6	2	0.3	5.4
	11	0,0			1	0.9	6.1	3	0.6	3.5	2	0.2	5.5
	12	0,0			1	0.9	6.0	3	0.5	3.0	2	0.2	5.7
	13	0,0			1	0.9	6.2	3	0.6	3.5	2	0.1	4.0
	14	0,0			1	0.8	6.0	3	0.8	3.6	2	0.1	5.0
	15	0,0			...			3	1.0	4.0	2	0.3	5.6
	16	0,0			...			3	0.8	3.6	2	0.2	4.7
	17	0,0			1	0.8	6.0	3	1.3	4.4	2	0.2	5.9
	18	0,0			1	0.7	6.0	3	0.8	3.6	2	0.3	5.2
	19	0,0			1	0.7	6.0	3	0.9	3.8	2	0.2	4.4
	20	0,0			1	0.8	6.0	3	0.6	3.2	2	0.3	5.2
	21	0,0			1	0.8	6.0	3	1.4	4.2	2	0.3	6.1
	22	0,0			1	0.7	6.0	3	1.2	3.8	2	0.3	5.0
	23	0,0			1	0.6	6.0	3	0.9	3.7	2	0.2	4.6
23	0	3	0.1	2.0	1	0.7	6.0	3	0.9	3.7	2	0.3	5.1
	1	3	0.1	2.0	1	0.6	6.0	3	0.8	3.9	2	0.2	5.4
	2	3	0.1	2.0	1	0.7	6.2	3	0.9	3.4	2	0.2	5.5
	3	3	0.1	2.0	1	0.6	5.9	3	0.8	3.6	2	0.2	4.3
	4	3	0.1	2.0	1	0.7	6.2	3	0.8	3.3	0,0		
	5	3	0.1	2.0	1	0.7	6.2	3	0.9	3.5	0,0		
	6	3	0.1	2.0	1	0.8	6.5	3	0.8	3.6	0,0		
	7	3	0.1	2.0	1	0.7	6.1	3	0.9	3.4	0,0		
	8	3	0.1	2.0	1	0.7	6.0	3	1.0	3.9	0,0		
	9	3	0.1	2.0	1	0.7	6.2	3	1.0	3.9	0,0		
	10	3	0.1	2.0	3	0.6	6.0	3	0.9	3.6	0,0		

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 23	11	3	0.1	2.0	3	0.6	6.0	3	1.1	4.1	0,0	
	12	3	0.1	2.0	3	0.6	6.0	3	0.8	3.6	0,0			
	13	3	0.2	2.1	3	0.7	6.0	3	0.9	3.7	0,0			
	14	3	0.2	2.1	3	0.7	6.0	3	0.7	3.6	0,0			
	15	3	0.2	2.1	3	0.6	6.0	3	0.7	3.5	0,0			
	16	3	0.2	2.1	3	0.5	5.5	3	0.8	3.7	0,0			
	17	3	0.2	2.1	3	0.6	5.9	3	1.0	3.9	0,0			
	18	3	0.2	2.1	3	0.6	6.0	3	0.8	3.4	0,0		Ottawa - storm end	
	19	3	0.2	2.2	3	0.6	4.1	3	1.0	3.8	0,0			
	20	3	0.3	2.5	3	0.4	4.0	3	0.7	3.6	0,0			
	21	3	0.3	2.5	3	0.4	4.0	3	0.7	3.6	0,0			
	22	3	0.3	2.5	3	0.5	5.0	3	0.8	3.6	0,0			
	23	3	0.3	2.5	3	0.5	5.0	3	0.6	3.4	0,0			
24	0	3	0.2	2.3	3	0.6	5.0	3	0.4	3.0	0,0			
	1	3	0.2	2.3	3	0.6	5.0	3	0.5	3.2	0,0			
	2	3	0.2	2.3	3	0.5	4.1	3	0.6	3.8	0,0			
	3	3	0.2	2.3	3	0.5	4.0	3	0.6	3.7	0,0			
	4	3	0.2	2.3	3	0.4	4.0	3	0.6	3.6	0,0			
	5	3	0.2	2.3	3	0.3	4.0	3	0.4	3.4	0,0			
	6	3	0.1	2.0	3	0.3	4.0	3	0.3	3.4	0,0			
	7	3	0.1	2.0	3	0.3	4.0	3	0.5	3.5	0,0			
	8	3	0.1	2.0	3	0.3	4.0	3	0.4	3.2	0,0			
	9	3	0.1	2.0	...			...					Ottawa - Quake	
	10	3	0.1	1.8	...			2	0.3	3.6	...		Resolute - Quake	
	11	3	0.1	1.8	3	0.3	4.0	2	0.3	3.2	...		Victoria - Quake	
	12	3	0.1	1.8	3	0.3	3.5	2	0.2	2.9	0,0			
	13	3	0.1	1.8	3	0.2	3.0	2	0.3	3.7	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 24	14	3	0.1	1.6	3	0.3	3.0	2	0.3	3.6	0,0	
	15	3	0.1	1.6	3	0.2	3.0	2	0.4	4.0	0,0			
	16	3	0.1	1.6	3	0.2	3.0	2	0.2	3.6	0,0			
	17	3	0.1	1.6	3	0.2	3.0	3	0.3	3.3	0,0			
	18	3	0.1	1.6	3	0.2	3.0	3	0.3	3.4	0,0			
	19	3	0.1	1.6	3	0.2	3.2	3	0.3	3.8	0,0			
	20	3	0.1	1.6	3	0.2	3.0	3	0.3	3.8	0,0			
	21	3	0.1	1.6	3	0.2	3.0	3	0.3	3.8	0,0			
	22	3	0.1	1.6	3	0.2	3.0	3	0.2	3.1	0,0			
25	0	3	0.1	1.8	3	0.2	3.0	3	0.2	3.1	0,0			
	1	3	0.1	1.8	3	0.2	3.0	3	0.4	4.1	0,0			
	2	3	0.1	1.8	3	0.2	3.0	3	0.2	3.4	0,0			
	3	3	0.1	1.8	3	0.2	3.0	3	0.3	3.7	0,0			
	4	3	0.1	1.9	3	0.2	4.0	3	0.3	3.4	0,0			
	5	3-1	0.2	2.0	3	0.4	4.0	3	0.4	4.1	0,0			
	6	3-1	0.2	2.0	3	0.4	4.0	...			...			Resolute - Quake
	7	1	0.2	2.0	3	0.5	4.0	3	0.2	3.6	0,0			
	8	1	0.2	2.0	3	0.5	4.0	3	0.3	3.2	0,0			
	9	1	0.2	2.0	3	0.5	4.5	3	0.3	3.5	0,0			
	10	1	0.2	2.0	3	0.5	4.5	3	0.3	3.8	0,0			
	11	1	0.2	2.0	3	0.5	4.5	3	0.1	2.6	0,0			
	12	1	0.2	2.0	3	0.5	4.5	3	0.2	3.6	0,0			
	13	1	0.2	2.0	3	0.6	5.0	3	0.1	2.5	0,0			
	14	1	0.2	2.0	3	0.6	5.0	3	0.1	2.6	0,0			
	15	1-3	0.2	2.0	3	0.6	5.0	3	0.1	2.2	0,0			
	16	1-3	0.2	2.0	3	0.6	5.0	3	0.1	2.2	0,0			

DOMINION OBSERVATORIES

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 25	17	3	0.1	2.0	3	0.6	5.0	...			0,0	
	18	3	0.1	2.0	3	0.6	5.0	3	0.1	2.6	0,0			Resolute - Quake
	19	3	0.1	2.0	3	0.3	4.2	3	0.2	2.9	0,0			
	20	3	0.1	2.0	3	0.4	4.2	3	0.1	2.5	0,0			
	21	3	0.1	2.0	3	0.4	4.0	3	0.1	2.2	0,0			
	22	3	0.1	2.0	3	0.7	5.0	2	0.1	2.6	0,0			
	23	3	0.1	2.0	3	0.7	5.0	2	0.1	3.2	0,0			
26	0	3	0.1	2.0	3	0.7	5.0	2	0.1	2.8	0,0			
	1	3	0.1	2.0	3	0.6	5.0	2	0.1	2.6	0,0			
	2	3	0.1	2.0	3	0.6	5.0	2	0.1	2.4	0,0			
	3	3	0.1	2.0	3	0.6	5.0	2	0.2	3.0	0,0			
	4	3	0.1	2.0	3	0.5	4.5	2	0.1	2.3	0,0			
	5	3	0.1	2.0	3	0.4	4.0	2	0.1	2.4	0,0			
	6	3	0.1	2.0	3	0.3	4.0	2	0.2	3.5	0,0			
	7	3	0.1	2.0	3	0.3	4.0	2	0.1	2.6	0,0			
	8	3	0.1	2.0	3	0.3	4.0	2	0.1	3.0	0,0			
	9	3	0.1	2.0	3	0.4	4.0	2	0.2	3.4	3	0.2	4.0	
	10	3	0.1	2.0	3	0.4	4.0	2	0.1	2.5	3	0.2	3.2	
	11	3	0.1	2.0	3	0.4	4.0	2	0.1	2.5	3	0.3	3.5	
	12	3	0.1	2.0	3	0.4	4.0	2	0.1	2.7	3	0.2	3.7	
	13	3	0.1	2.0	3	0.4	4.0	2	0.1	3.0	3	0.4	4.6	
	14	3	0.1	2.0	3	0.3	4.0	2	0.1	2.8	3	0.3	4.1	
	15	3	0.1	2.0	3	0.3	4.0	2	0.1	2.8	3	0.3	3.7	
	16	3	0.1	2.0	3	0.3	4.0	2	0.1	2.9	3	0.4	4.6	
	17	3	0.1	2.0	3	0.3	4.0	2	0.2	3.5	3	0.3	4.1	
	18	3	0.1	2.0	3	0.3	4.0	2	0.1	3.2	3	0.3	4.2	
	19	3	0.1	2.0	3	0.3	4.0	2	0.1	2.8	3	0.5	4.1	

I. G. Y. MICROSEISMIC BULLETIN

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 26	20	3	0.2	2.0	3	0.3	4.0	2	0.1	2.3	3	
	21	3-1	0.2	2.0	3	0.3	4.0	2	0.2	3.4	3	0.3	4.0	
	22	3-1	0.2	2.0	3	0.3	4.0	2	0.1	2.6	3	0.4	3.9	
	23	1-3	0.3	2.0	3	0.3	3.0	2	0.2	3.2	3	0.5	4.1	
27	0	1-3	0.3	2.0	3	0.3	4.0	2	0.1	3.1	3	0.6	4.5	
	1	1-3	0.3	2.0	3	0.4	4.0	2	0.1	2.8	3	0.8	4.5	
	2	1-3	0.3	2.2	3	0.4	3.5	2	0.1	2.5	3	0.8	5.2	
	3	1	0.3	2.2	3	0.4	3.5	2	0.1	2.4	3	0.8	5.0	
	4	1	0.4	2.4	3	0.5	3.6	0,0			3	0.8	4.6	
	5	1	0.4	2.4	3	0.5	3.6	...			3	0.8	4.9	Resolute - Quake Ottawa - Quake
	6	1	0.6	2.8	...			2	0.1	2.7	3	0.8	4.8	
	7	1	0.6	2.8	3	0.7	4.0	2	0.2	3.2	3	0.9	4.9	
	8	1	0.6	2.6	3	0.7	4.0	2	0.1	2.3	3	0.9	4.9	
	9	1	0.6	2.6	3	0.7	4.0	2	0.1	2.0	3	0.9	4.9	
	10	1	0.6	2.6	3	0.7	4.0	2	0.1	2.3	3	0.9	5.2	
	11	1	0.6	2.6	3	0.7	4.0	2	0.1	2.3	3	1.0	5.2	
	12	3-1	0.8	3.0	3	0.7	4.0	2	0.1	2.0	3	1.0	5.3	
	13	3-1	1.2	3.6	3	0.8	4.5	2	0.1	1.9	3	1.0	5.4	
	14	3-1	1.5	4.0	3	0.9	5.0	2	0.1	1.9	3	1.4	5.4	
	15	3-1	1.2	4.0	3	0.9	5.0	2	0.1	2.3	3	1.1	5.1	
	16	3-1	1.5	4.0	3	0.9	5.0	2	0.1	2.3	3	1.2	5.4	
	17	3	1.5	4.0	3	0.9	5.0	2	0.2	2.7	3	1.1	5.4	
	18	3	1.0	3.6	2	0.9	5.0	2	0.2	2.3	3	1.2	5.4	
	19	3	1.0	3.6	2	0.8	5.0	2	0.2	2.6	3	1.0	5.2	
	20	3	0.9	3.6	2	0.8	5.0	2	0.2	2.5	3	1.2	5.1	
	21	3	0.9	3.5	2	0.8	5.0	2	0.2	2.8	3	1.1	5.4	
	22	3	0.9	3.5	2	0.5	4.4	2	0.3	2.9	3	1.2	4.9	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 27	23	3	0.8	3.4	2	0.5	4.3	2	0.3	2.7	3	
28	0	3	0.6	3.0	2	0.5	4.0	2	0.2	3.1	3	1.3	5.1	
	1	3	0.6	3.0	...			...			3	1.2	5.3	Ottawa - Quake - Resolute
	2	3	0.6	3.0	2	0.5	4.0	2	0.2	3.0	3	1.3	5.4	
	3	3	0.5	2.5	2	0.5	4.0	2	0.2	2.8	3	1.4	5.2	
	4	3	0.5	2.5	2	0.5	4.0	2	0.2	2.7	3	1.1	5.0	
	5	3	0.5	2.5	2	0.5	4.0	2	0.3	3.3	3	1.4	5.5	
	6	3	0.5	2.5	2	0.5	4.0	2	0.2	2.8	3	1.3	5.0	
	7	3	0.4	2.0	2	0.5	4.0	2	0.2	2.3	3	1.5	5.2	
	8	3	0.3	2.0	2	0.6	4.0	2	0.2	3.0	3	1.3	5.1	
	9	3	0.3	2.0	2	0.7	4.4	2	0.2	2.9	3	1.3	5.3	
	10	3	0.3	2.0	1	0.7	4.0	2	0.2	2.6	3	1.2	5.2	
	11	3	0.2	2.0	1	0.7	4.0	2	0.3	3.2	3	1.2	5.1	
	12	3	0.2	2.0	1	0.8	4.5	2	0.3	3.3	3	1.2	5.2	
	13	3	0.2	2.0	1	0.9	4.4	2	0.2	2.9	3	1.1	4.9	
	14	3	0.2	2.0	1	0.9	4.4	2	0.3	3.6	...			Victoria - Quake
	15	3	0.2	2.0	...			...			...			Victoria - Resolute - Ottawa - Quake
	16	3	0.2	2.0	...			2	0.3	3.4	3	1.2	5.0	Ottawa - Quake
	17	3	0.2	2.0	1	0.8	4.1	2	0.4	3.6	3	0.9	4.8	Resolute - storm start
	18	3	0.2	2.0	1	0.9	4.5	2	0.4	3.7	3	0.8	4.7	
	19	3	0.2	2.0	1	1.0	4.5	2	0.3	2.9	3	0.7	4.7	
	20	3	0.2	2.0	1	1.2	4.6	2	0.5	3.7	3	0.7	4.8	
	21	3	0.2	2.0	1	1.2	4.8	2	0.5	3.6	3	0.9	4.9	
	22	3	1.2	4.0	1	1.2	4.8	2	0.8	4.2	3	0.6	5.1	
	23	3	1.2	4.0	1	1.2	4.7	2	0.9	4.1	3	0.7	4.7	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		Sept. 29	0	3	1.2	4.0	1	1.3	4.6	2	0.9	4.4	3
	1	3	1.7	4.5	1	1.4	4.8	2	0.9	3.8	3	0.6	4.9
	2	3	2.2	5.0	1	1.5	4.9	2	0.9	4.2	3	0.7	4.8
	3	3	2.6	5.0	1	1.7	4.9	2	1.2	4.6	3	0.7	5.0
	4	3	2.3	5.0	1	2.0	4.9	2	0.9	4.1	3	0.7	5.2
	5	3	1.7	4.5	1	2.0	5.0	2	0.9	4.2	3	0.6	4.7
	6	3	1.2	4.0	1	2.1	5.2	2	1.2	4.6	3	0.5	4.6
	7	3	1.2	4.0	1	2.1	5.2	2	1.4	5.1	3	0.7	5.0
	8	3	1.7	4.5	1	2.1	5.2	2	1.5	4.9	3	0.8	5.3
	9	3	2.0	5.0	1	2.3	5.4	2	1.0	4.5	3	0.7	5.4
	10	3	1.7	4.7	1	2.4	5.5	2	0.6	3.8	3	0.5	5.1
	11	3	1.5	4.5	1	2.0	5.1	2	1.1	4.6	2	0.3	4.9
	12	3	1.0	4.0	1	1.8	5.0	2	0.8	4.2	3	0.5	5.4
	13	3	1.0	4.0	1	1.8	5.0	2	0.8	4.2	2	0.3	4.4
	14	3	1.2	4.8	1	1.8	5.0	2	0.7	4.0	2	0.3	5.0
	15	3	1.4	5.0	1	1.7	5.0	2	0.9	4.3	3	0.7	5.4
	16	3	0.8	4.0	1	1.6	5.1	2	1.2	5.1	3	0.7	5.2
	17	3	0.7	4.0	1	1.5	5.0	2	0.5	3.5	3	0.6	5.0
	18	3	0.7	4.0	1	1.5	5.1	2	1.0	4.3	2	0.4	5.3
	19	3	0.7	4.0	1	1.4	5.0	2	1.3	5.2	2	0.4	5.5
	20	3	1.0	2.0	1	1.1	4.5	2	0.6	4.0	2	0.2	5.0
	21	3	1.0	2.0	1	1.0	4.5	2	0.4	3.4	2	0.3	4.2
	22	3	1.0	2.0	1	0.9	4.5	2	0.4	3.6	2	0.3	4.1
	23	3	1.0	2.0	1	0.9	4.5	2	0.5	4.0	2	0.2	4.4
30	0	0,0			3	0.7	4.5	2	0.5	3.4	0,0		
	1	0,0			3	0.7	4.6	2	0.5	3.5	0,0		
	2	0,0			3	0.7	4.6	2	0.4	3.0	0,0		

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		Sept. 30	3	0,0			3	0.7	4.6	2	0.5	3.3	0,0	
	4	0,0			3	0.5	4.5	2	0.3	3.1	0,0			
	5	0,0			3	0.5	4.5	1	0.5	3.6	0,0			
	6	0,0			3	0.5	4.3	1	0.8	4.3	0,0			
	7	0,0			3	0.5	4.2	1	0.5	3.6	0,0			
	8	0,0			3	0.5	4.4	1	0.4	3.4	0,0			
	9	0,0			3	0.5	4.5	1	0.6	3.7	0,0			
	10	0,0			3	0.5	4.5	1	0.4	3.1	0,0			
	11	0,0			3	0.5	4.5	1	0.6	3.6	0,0			
	12	0,0			3	0.5	4.5	1	0.7	3.9	0,0			
	13	0,0			3	0.5	4.5	1	0.6	3.6	0,0			
	14	0,0			3	0.5	4.5	1	0.6	3.6	2	0.4	5.5	
	15	0,0			3	0.6	4.5	1	0.9	4.1	0,0			
	16	0,0			3	0.5	4.5	1	0.6	3.7	0,0			
	17	0,0			3	0.5	4.5	1	0.8	4.7	...			
	18	0,0			3	0.5	4.5	1	0.8	4.1	...			
	19	0,0			3	0.5	4.5	1	0.7	4.0	0,0			
	20	0,0			3	0.5	4.5	1	0.5	3.7	0,0			
	21	0,0			3	0.5	4.5	1	0.8	4.4	0,0			
	22	0,0			3	0.5	4.5	1	0.7	4.2	0,0			
	23	0,0			3	0.5	4.5	1	0.5	3.7	0,0			

I. G. Y. MICROSEISMIC BULLETIN





Canada



From the ISC collection scanned by SISMOS

# ***Seismological Bulletin***

*Seismological Service  
of Canada*

**October - December  
1957**

*Dominion Observatory,  
Department of Mines and  
Technical Surveys, Ottawa*



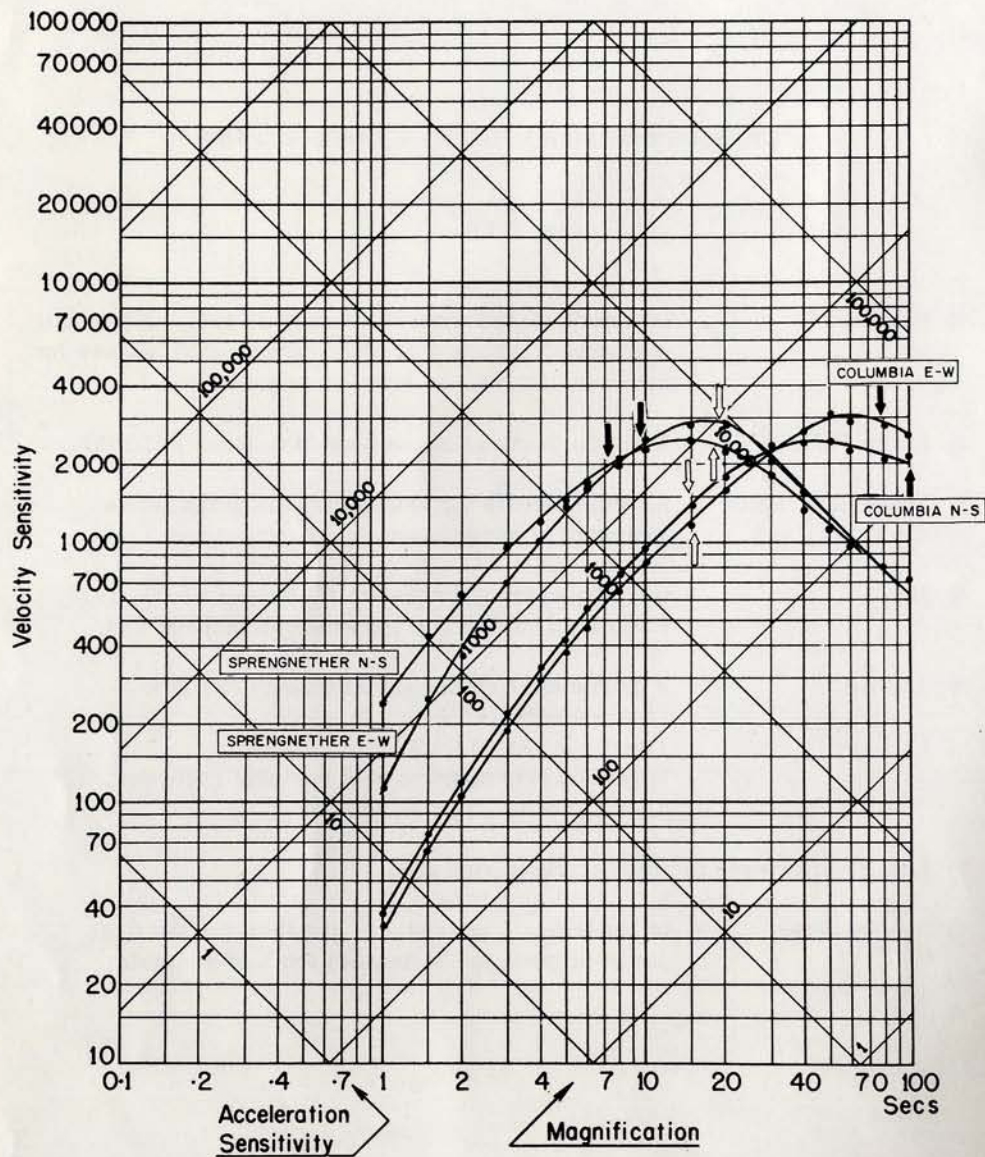
## SEISMOLOGICAL BULLETINS - 1957

## NOTES

- 1) Resolute - Old vault closed down November 6, 1957. New vault operating November 7, 1957. Calibration curves for new Resolute will be found on pages 226-227.
- 2) Seven Falls - Time corrections started again October 26, 1957.
- 3) Shawinigan Falls - No time signals for December. Doubtful times indicated in parenthesis.
- 4) Banff - Out of operation November 17-December 25, 1957. Estimated calibration curve shown on page 228.
- 5) Lillooet - Experimental station installed July 22, 1957.  
Latitude  $50^{\circ}41.7' N$   
Longitude  $121^{\circ}55.0' W$   
Willmore seismograph with portable recorder.  
 $T_s = 1.0 \text{ sec.}$   $T_g = 0.25 \text{ sec.}$
- 6) I.G.Y. microseismic data starting page 265.
- 7) Special Note - In recording L phases only the time for the first phase is given to the nearest tenth of a minute.



STATION: RESOLUTE HORIZONTALS



$\phi = 74^{\circ}41.2' N$      $\lambda = 94^{\circ}54.0' W$     Altitude 15 m

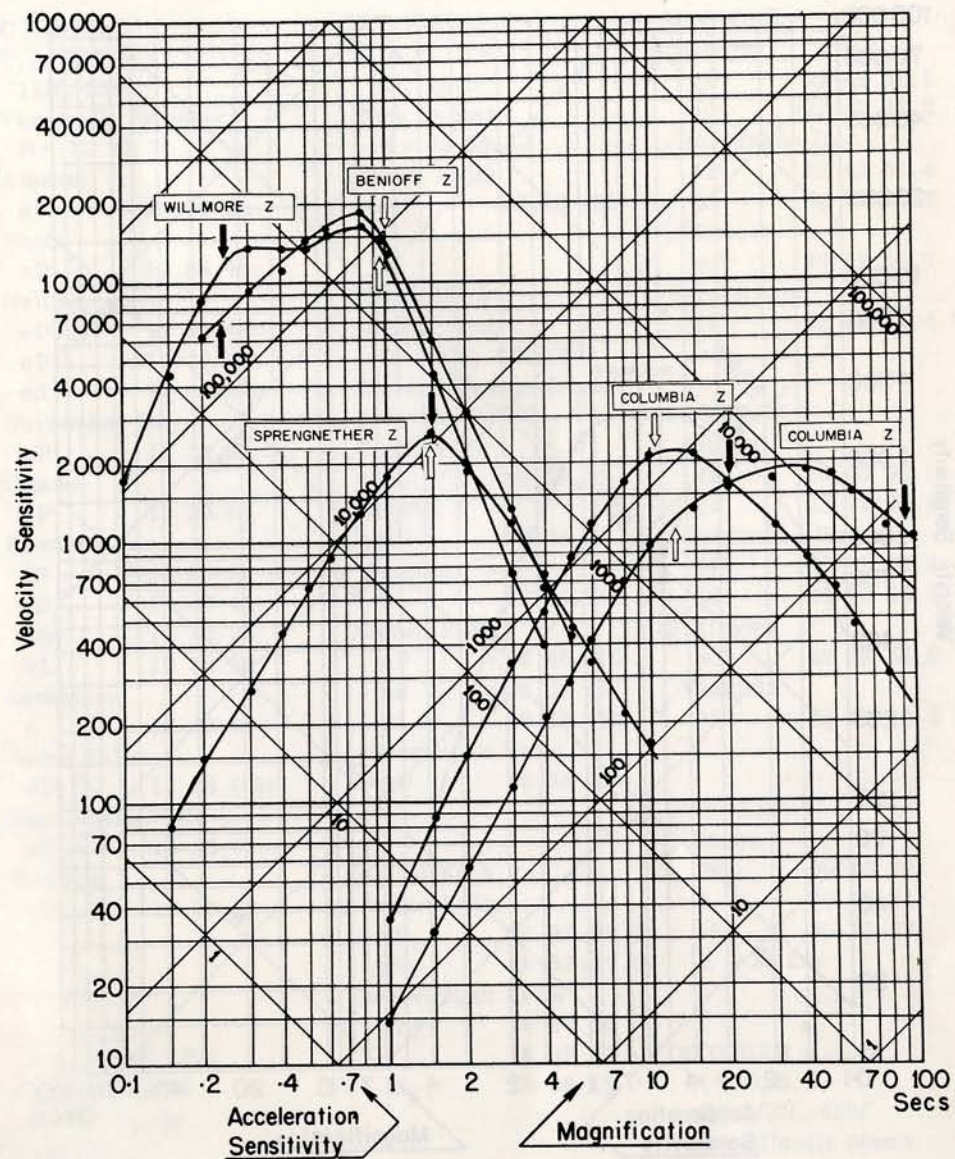
Foundation: Early Palaeozoic limestone

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: December 1957

STATION: RESOLUTE VERTICALS



$\phi = 74^{\circ}41.2' N$      $\lambda = 94^{\circ}54.0' W$     Altitude 15 m

Foundation: Early Palaeozoic limestone

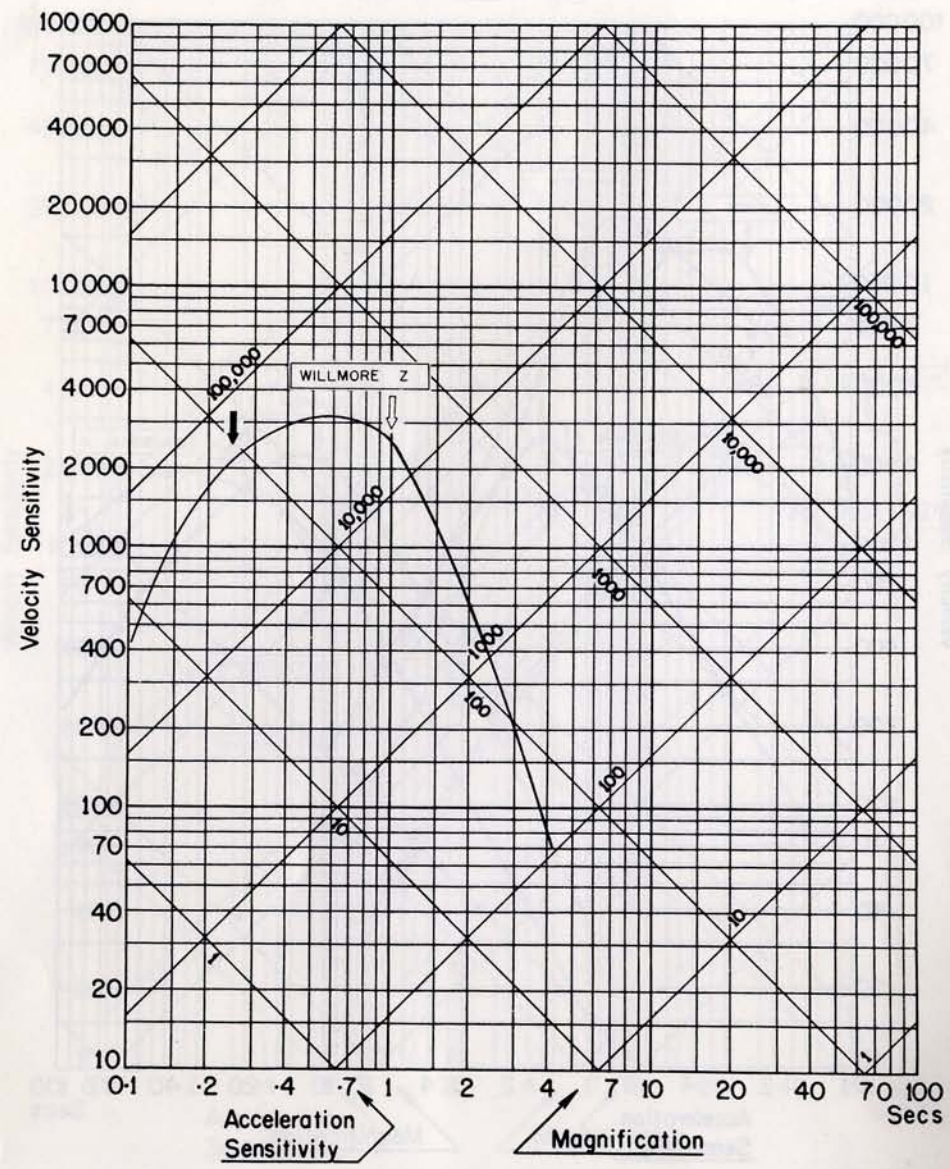
$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: December 1957



STATION: BANFF



$\phi = 51^{\circ} 10.3' N$      $\lambda = 115^{\circ} 33.5' W$     Altitude  
 Foundation: Bedrock

$T_s \uparrow$                        $T_g \uparrow$

Date of Calibration: Estimated Curve

OCTOBER - DECEMBER

<p>OCTOBER 2                  U. S. C. G. S.                  11N, 63W                  Venezuela foreshock                  H = 12 27 55</p> <p>✓ Alberni                  eP 12 38 29</p> <p>✓ Banff                  eP 12 34 49</p> <p>✓ Halifax                  eP 12 34 44                  ePP 12 36 09                  eS 12 40 05</p> <p>✓ Horseshoe Bay                  eP 12 38 21</p> <p>✓ Ottawa                  eP 12 35 01</p> <p>✓ Resolute                  iP 12 38 54 d                  eS 12 47 41                  eSS 12 52 35                  eL 12 54 32</p> <p>✓ Saskatoon                  e 12 45 00</p> <p>✓ Seven Falls                  eP 12 34 (59)</p> <p>✓ Shawinigan Falls                  eP 12 35 02</p> <p>✓ Victoria                  eP 12 38 20</p> <p>OCTOBER 2                  U. S. C. G. S.                  6 1/2S, 69 1/2E                  Chagos Islands                  H = 20 58 39</p> <p>✓ Resolute                  eS 21 25 38                  eSS 21 33 41                  eL 21 44 54</p>	<p>OCTOBER 3                  U. S. C. G. S.                  4S, 134E                  New Guinea                  H = 05 58 12</p> <p>✓ Seven Falls                  eP' 06 17 (21)</p> <p>OCTOBER 3                  U. S. C. G. S.                  10 1/2N, 62 1/2W                  Venezuela foreshock                  H = 06 39 08</p> <p>✓ Halifax                  eS 06 51 29</p> <p>✓ Ottawa                  eP 06 46 28</p> <p>Resolute                  eL 07 10 25</p> <p>✓ Seven Falls                  eP 06 46 (15)                  eS 06 52 (37)                  eL 06 55 (36)</p> <p>✓ Shawinigan Falls                  eP 06 46 20</p> <p>OCTOBER 3                  ✓ Seven Falls                  iP<sub>1</sub> 16 37 (33.5)                  iS<sub>1</sub> 16 37 (37.0)</p> <p>✓ Shawinigan Falls                  iP<sub>1</sub> 16 37 56                  i 16 38 01                  iS<sub>1</sub> 16 38 12</p> <p>OCTOBER 3                  ✓ Alberni                  eP 19 03 33.0</p> <p>✓ Horseshoe Bay                  eP 19 03 43.0</p> <p>✓ Lillooet                  eP 19 03 51.4</p> <p>Victoria                  eP 19 04 14.4</p>	<p>OCTOBER 3                  ✓ Alberni                  iP 22 42 31.5                  iS 22 42 47.2</p> <p>✓ Horseshoe Bay                  iP 22 42 31.4                  iS 22 42 46.6</p> <p>✓ Lillooet                  eP 22 42 55.7</p> <p>✓ Victoria                  iP 22 42 16.4 N,E</p> <p>OCTOBER 3                  ✓ Alberni                  iP 23 59 30.0                  eS 23 59 45.6</p> <p>✓ Horseshoe Bay                  iP 23 59 29.4 c                  iS 23 59 44.9</p> <p>✓ Lillooet                  eP 23 59 54.8</p> <p>✓ Victoria                  iP 22 59 14.2 N,E</p> <p>OCTOBER 4                  ✓ Ottawa                  iP<sub>1</sub> 00 15 32                  i 00 15 34                  iS<sub>1</sub> 00 15 37                  D = 35 km</p> <p>OCTOBER 4                  U. S. C. G. S.                  30 1/2N, 42W                  Mid-Atlantic ocean                  H = 00 21 07</p> <p>✓ Shawinigan Falls                  iP 00 27 05</p> <p>OCTOBER 4                  Resolute                  eL 05 12 45</p>
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DOMINION OBSERVATORIES

OCTOBER 4

U. S. C. G. S.  
11N. 63W  
Near coast of  
Venezuela  
H = 05 26 09  
h = 60 km

✓ Alberni  
eP 05 36 37

✓ Halifax  
iP 05 32 49 d,s  
iS 05 38 09 E  
iL 05 39 55

✓ Horseshoe Bay  
eP 05 36 28  
eS 05 44 50

✓ Lillooet  
eP 05 36 28 c?

✓ Ottawa  
eP 05 33 08 c  
ePP 05 34 28  
ePcP 05 35 31  
eS 05 38 56  
eSS 05 41 20  
eL 05 42 30

✓ Resolute  
eP 05 36 55 c  
eS 05 45 51  
eL 05 53 23

✓ Saskatoon  
eP 05 35 30  
eS 05 43 14

✓ Seven Falls  
eP 05 33 (08)  
ePPP 05 34 (58)  
i 05 35 (51)  
eS 05 38 (57)  
eL 05 41 (01)

✓ Shawinigan Falls  
iP 05 33 11 c  
eS 05 39 03

✓ Victoria  
eP 05 36 31 W.  
eS 05 44 57  
eL 05 56

OCTOBER 4

U. S. C. G. S.  
11N, 62 1/2W  
Venezuela aftershock  
H = 06 05 50

✓ Seven Falls  
eP 06 13 (03)

✓ Shawinigan Falls  
eP 06 12 58

OCTOBER 4

✓ Alberni  
iP 19 35 02.2

✓ Horseshoe Bay  
iP 19 35 17.0  
iS 19 36 24

✓ Lillooet  
iP 19 34 52.7 c

✓ Victoria  
iP 19 35 19.6 d  
iS 19 36 19

OCTOBER 4

U. S. C. G. S.  
53N, 178E  
Rat Islands, Aleutians  
H = 23 55 45

✓ Ottawa  
eP 24 06 20 d

✓ Resolute  
eP 24 03 20 c-

✓ Seven Falls  
eP 24 06 (18)

✓ Shawinigan Falls  
eP 24 06 22  
ePcP 24 07 03

OCTOBER 5

U. S. C. G. S.  
34 1/2N, 26 1/2E  
Near Isl. of Crete  
H = 11 36 46

✓ Seven Falls  
eP 01 01 (14)

✓ Shawinigan Falls  
eP 01 01 16

✓ Halifax

eP 11 47 39

✓ Ottawa  
eP 11 48 23

Resolute  
eL 12 12 25

✓ Seven Falls  
eP 11 47 (55) d

✓ Shawinigan Falls  
eP 11 48 09

OCTOBER 5

U. S. C. G. S.  
Crete aftershock  
H = 15 51 48

✓ Seven Falls  
eP 16 02 (57) d

✓ Shawinigan Falls  
eP 16 03 21

OCTOBER 5

U. S. C. G. S.  
38N, 69 1/2E  
Afghanistan-Tadzhik  
border  
H = 22 40 14

Resolute  
eL 23 10.3

OCTOBER 6

U. S. C. G. S.  
11N, 62 1/2W  
Venezuela aftershock  
H = 00 54 05

✓ Halifax  
eP 01 00 58

✓ Ottawa  
eP 01 01 11

✓ Resolute  
eSS 01 18 40

✓ Seven Falls  
eP 01 01 (14)

✓ Shawinigan Falls  
eP 01 01 16

SEISMOLOGICAL BULLETIN - 1957

OCTOBER 6

Resolute  
eL 09 14 31

OCTOBER 6

U. S. C. G. S.  
49 1/2N, 155E  
Northern Kurile Isl.  
H = 21 27 51  
h = 60 km

✓ Ottawa  
eP 21 39 34

Shawinigan Falls  
eP 21 39 34

OCTOBER 6

U. S. C. G. S.  
52N, 174W  
Andreanof Isl., Aleutians  
H = 23 27 00

✓ Ottawa  
iP 23 37 10 c

Resolute  
eL 23 47 28

✓ Seven Falls  
eP 23 37 (14)

✓ Shawinigan Falls  
eP 23 37 15

OCTOBER 7

U. S. C. G. S.  
53 1/2N, 165W  
Unimak Isl. region  
H = 05 10 17

Resolute  
eL 05 29 10

OCTOBER 7

U. S. C. G. S.  
51N, 159E  
Off southeast coast of  
Kamchatka  
H = 13 19 45

✓ Horseshoe Bay

eP 13 28 25

✓ Ottawa  
eP 13 31 51

✓ Resolute  
iP 13 28 05 c

ePP 13 29 56

eS 13 34 54

eSS 13 37 33

✓ Seven Falls  
eP 13 31 (13)

eS 13 40 (22)

✓ Shawinigan Falls  
eP 13 31 15 c

✓ Victoria  
eP 13 28 23

OCTOBER 8

U. S. C. G. S.  
23 1/2S, 68W  
Northern Chile  
H = 06 53 31  
h = 150 km

✓ Lillooet  
eP 07 06 07

✓ Ottawa  
eP 07 04 23

✓ Seven Falls  
eP 07 04 (29)

✓ Shawinigan Falls  
eP 07 04 31

e(PcP) 07 05 03

✓ Victoria  
eP 07 06 06

OCTOBER 8

✓ Alberni  
iP 21 47 38.2

✓ Horseshoe Bay  
eP 21 47 49.4

✓ Victoria  
iP 21 47 42.9  
eS 21 47 59.3

OCTOBER 7

U. S. C. G. S.  
51N, 159E  
Off southeast coast of  
Kamchatka  
H = 13 19 45

OCTOBER 8

✓ Alberni  
eP 21 56 28.2

✓ Horseshoe Bay  
eP 21 56 39.7

✓ Victoria  
eP 21 56 33.6

OCTOBER 8

✓ Alberni  
iP 22 00 24.8

✓ Horseshoe Bay  
iP 22 00 36.0

✓ Victoria  
iP 22 00 31.0

OCTOBER 8

✓ Alberni  
iP 22 14 53.3

✓ Horseshoe Bay  
e 22 15 08.7

✓ Victoria  
eP 22 15 00.9

OCTOBER 8

✓ Alberni  
eP 22 17 50.0

✓ Horseshoe Bay  
eP 22 18 05.7

✓ Victoria  
eP 22 17 58.7

OCTOBER 9

✓ Ottawa  
e(P) 04 41 08  
e 04 48 31

OCTOBER 9

✓ Seven Falls  
eP<sub>n</sub> 14 17 (22)  
eS<sub>n</sub> 14 17 (41)  
D = 170 km











DOMINION OBSERVATORIES

✓ Victoria eP 20 03 40.8 eS 20 03 48.6	✓ Seven Falls eP 04 44 (41)	✓ Lillooet eP 06 42 52.2
	✓ Shawinigan Falls eP 04 44 31 e 04 50 07	✓ Victoria eP 06 42 37.7 eS 06 42 44.1
OCTOBER 22	OCTOBER 23	OCTOBER 23
✓ Alberni eP 20 05 42.5 eS 20 05 59.6	U. S. C. G. S. 52 1/2N, 169 1/2W	U. S. C. G. S. 32S, 67W
✓ Horseshoe Bay eP 20 05 45.2 eS 20 06 04.0	Fox Islands, Aleutians H = 05 56 52	Argentina H = 23 51 33
✓ Victoria eP 20 05 33.2 eS 20 05 43.0	✓ Halifax iP 06 07 29 c iS 06 16 04 E	✓ Ottawa iP 24 03 32 d
	✓ Horseshoe Bay eP 06 03 03 eS 06 07 45	✓ Seven Falls eP 24 03 (41) d
	✓ Ottawa iP 06 06 45 c eP <sub>c</sub> P 06 07 47	✓ Shawinigan Falls iP 24 03 38 d
OCTOBER 22		OCTOBER 24
U. S. C. G. S. 43 1/2N, 146E		U. S. C. G. S.
Hokkaido, Japan H = 20 44 38		14 1/2S, 168E
✓ Halifax eP 20 57 33	✓ eS 06 14 43	New Hebrides Islands H = 00 17 37
✓ Ottawa eP 20 57 10 c	ePS 06 15 03	✓ Ottawa eP' 00 36 29 c
✓ Resolute eP 20 54 13 c	eS <sub>c</sub> S 06 16 32	✓ eSKS 00 43 33
e(S) 21 02 30	eSS 06 18 32	ePS 00 47 37
✓ Seven Falls eP 20 57 (11)	eSSS 06 21 06	eSS 00 54 23
✓ Shawinigan Falls iP 20 57 10 c	✓ Resolute eP 06 03 58 d eS 06 09 34	✓ Resolute eS 00 42 36
	eS <sub>c</sub> S 06 14 13	eSS 00 50 54
	Saskatoon eL 06 09 55	✓ Seven Falls eP' 00 36 (35)
	✓ Seven Falls eP 06 06 (54) eS 06 15 (00)	✓ eSKS 00 43 (37)
OCTOBER 23	ePS 06 15 (19)	✓ ePS 00 48 (04)
U. S. C. G. S. 19N, 64W	✓ Shawinigan Falls iP 06 06 49 c	✓ eSS 00 55 (07)
Puerto Rico H = 04 38 30	✓ eS 06 14 48	✓ Shawinigan Falls eP' 00 36 33 c
✓ Halifax eP 04 44 05	✓ Victoria eP 06 02 57	
✓ Ottawa eP 04 44 27 e 04 45 08 eS 04 49 18 e 04 49 57		OCTOBER 24
Resolute eL 05 04 44		U. S. C. G. S. 40N, 29 1/2E
	OCTOBER 23	Northwestern Turkey H = 02 33 13
	✓ Horseshoe Bay iP 06 42 33.6 d eS 06 42 53.6	✓ Seven Falls eP 02 44 (15)



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OCTOBER 24	✓ Shawinigan Falls eP 20 19 00	OCTOBER 25
U. S. C. G. S. 20 1/2S, 179W		✓ Halifax e 01 42.9
Fiji Islands H = 09 07 30 h = 550 km		
✓ Horseshoe Bay iP 09 19 12 c	OCTOBER 24	OCTOBER 25
✓ Ottawa eP' 09 25 09 ePP 09 26 04 eSKS 09 31 04 eS 09 33 04 eSP 09 35 04 ePKKP 09 36 09	Resolute e 21 06 14 e 21 12 37 e 21 17 09	U. S. C. G. S. 21 1/2N, 121 1/2E
		Formosa foreshock H = 01 42 52
	OCTOBER 24	✓ Resolute eP 01 55 07
	U. S. C. G. S. 25N, 109 1/2W	
	Gulf of California H = 21 44 28	OCTOBER 25
✓ Resolute eSP 09 34 03 e(PS) 09 35 02 esSP 09 37 29 eSS 09 40 02	✓ Banff eP 21 50 10	U. S. C. G. S. 38N, 22 1/2E
✓ Seven Falls eSKS 09 31 (18) ePS 09 36 17	✓ Halifax eS 21 58 52 eSS 22 01 44 eLg 22 06.5	Greece H = 02 18 18
✓ Victoria iP 09 19 08 c	✓ Horseshoe Bay eP 21 50 12 eS 21 54 24	✓ Ottawa iP 02 29 39 c
	✓ Ottawa iP 21 51 15 d ePP 21 52 31 eP <sub>c</sub> P 21 54 02 eS 21 56 40 e 21 59 04	✓ Resolute eP 02 28 30
		✓ Seven Falls eP 02 29 (13)
		✓ Shawinigan Falls eP 02 29 23
OCTOBER 24		
✓ Alberni iP 14 12 03.9 iS 14 12 08.8		OCTOBER 25
✓ Horseshoe Bay eP 14 12 18.0 eS 14 12 24.4	✓ Resolute iP 21 53 30 c eS 22 00 42 eSS 22 04.5	U. S. C. G. S. 52 1/2N, 169 1/2W
✓ Victoria eP 14 12 18.4 eS 14 12 32.2	✓ Saskatoon eS 21 55 15	Fox Islands, Aleutians H = 04 37 35
	✓ Seven Falls eP 21 51 (38)	✓ Ottawa iP 04 47 28
	✓ Shawinigan Falls eP 21 51 34 c eP <sub>c</sub> P 21 54 00 eL 22 00 13	✓ Resolute eP 04 44 40
	✓ Victoria eP 21 50 05 eS 21 54 56	✓ Shawinigan Falls eP 04 47 33 d
OCTOBER 24		
U. S. C. G. S. 29S, 68W		OCTOBER 25
Argentina H = 20 07 15		U. S. C. G. S. 21 1/2N, 121 1/2E
✓ Ottawa eP 20 18 55		Off coast of Formosa H = 06 19 06
✓ Seven Falls eP 20 19 (03) d		✓ Resolute eP 06 31 23 c



DOMINION OBSERVATORIES

OCTOBER 25

U. S. C. G. S.  
50 1/2N, 156 1/2E  
Near south coast of  
Kamchatka  
H = 10 03 32

✓ Alberni eP 10 12 15  
✓ Banff eP 10 12 43  
✓ Halifax iP 10 15 36 c?, S  
iS 10 25 31 N,E  
✓ Horseshoe Bay eP 10 12 21  
✓ Ottawa iP 10 15 09 c  
ePP 10 17 52  
ePPP 10 19 39  
eS 10 24 38  
ePS 10 25 06  
ePPS 10 25 28  
eSS 10 29 08  
eSSS 10 32 22  
✓ Resolute eP 10 12 01 c  
ePP 10 13 52  
eS 10 18 50  
✓ Seven Falls iP 10 15 (12) d  
eS 10 24 (52)  
ePS 10 25 (12)  
✓ Shawinigan Falls iP 10 15 10 c  
ePcP 10 15 37  
eS 10 24 29  
ePS 10 25 06  
ePPS 10 25 15  
✓ Victoria eP 10 12 24  
eS 10 19 29

OCTOBER 25

✓ Resolute e 19 10 58  
i 19 11 38  
i 19 11 46

Local shock ?

OCTOBER 26

U. S. C. G. S.  
0, 125E  
Molucca Passage  
H = 04 31 03  
Resolute eL 05 26 50

OCTOBER 26

U. S. C. G. S.  
20 1/2S, 178W  
Fiji Islands  
H = 08 26 12  
h = 600 km  
✓ Horseshoe Bay eP 08 37 54 d  
✓ Ottawa eP' 08 43 49  
✓ Resolute eSP 08 52 44  
esSP 08 56 25  
✓ Shawinigan Falls eP' 08 43 53  
✓ Victoria eP 08 37 50

OCTOBER 26

U. S. C. G. S.  
2S, 116E  
Borneo  
H = 14 16 57  
✓ Ottawa eP' 14 36 22 c  
✓ Resolute eP 14 31 08 d  
eP' 14 34 40  
eSKS 14 41 56  
eS 14 42 56  
ePS 14 44 48  
✓ Seven Falls eP' 14 36 24  
✓ Shawinigan Falls eP' 14 36 20

OCTOBER 27

✓ Ottawa i(S<sub>n</sub>) 08 49 39  
✓ Seven Falls e(S<sub>n</sub>) 08 51 19  
✓ Shawinigan Falls e 08 50 19  
e(S<sub>n</sub>) 08 50 35  
Felt at Mattawa, Ont.

OCTOBER 27

U. S. C. G. S.  
56N, 161E  
Kamchatka  
H = 22 32 25  
✓ Alberni iP 22 40 32 d  
✓ Halifax iS 22 52 48 N,E  
✓ Horseshoe Bay eP 22 40 37 d  
eS 22 47 02  
✓ Ottawa eP 22 43 26 c  
eS 22 52 14  
ePS 22 52 51  
ePPS 22 53 07  
eSSS 22 59 57  
✓ Resolute iP 22 40 06 c  
ePP 22 41 48  
ePPP 22 42 29  
eS 22 46 06

✓ Saskatoon

eS 22 48 28  
✓ Seven Falls eP 22 43 28  
eS 22 52 18  
eSSS 22 59 44  
✓ Shawinigan Falls eP 22 43 26 c  
epP 22 43 48  
i 22 44 01  
eS 22 52 14  
✓ Victoria iP 22 40 41 c,S,E  
iS 22 47 08

SEISMOLOGICAL BULLETIN - 1957

OCTOBER 27

U. S. C. G. S.  
11 1/2S, 166 1/2E  
Santa Cruz Islands  
H = 22 56 55  
✓ Resolute ePS 23 24 31  
eSSS 23 33 44

OCTOBER 28

U. S. C. G. S.  
Panama foreshock  
H = 05 55 35  
✓ Ottawa iP 06 03 07 d  
✓ Seven Falls iP 06 03 31 d  
✓ Shawinigan Falls iP 06 03 21 d

OCTOBER 28

U. S. C. G. S.  
Off coast of Oaxaca,  
Mexico  
H = 14 18 20  
✓ Ottawa eP 14 25 26  
✓ Shawinigan Falls eP 14 25 46

OCTOBER 29

U. S. C. G. S.  
53 1/2N, 160E  
Kamchatka  
H = 00 09 07  
✓ Ottawa eP 00 20 24

OCTOBER 29

U. S. C. G. S.  
2S, 116E  
Borneo aftershock  
H = 02 21 30

✓ Ottawa

eP' 02 40 56  
✓ Resolute eP 02 35 41  
✓ Seven Falls eP' 02 40 55  
✓ Shawinigan Falls eP' 02 40 55

OCTOBER 30

U. S. C. G. S.  
36N, 27 1/2E  
Dodecanese Islands  
H = 01 43 03  
✓ Halifax iP 01 53 51  
✓ Ottawa iP 01 54 36 c  
✓ Resolute eP 01 53 43  
eS 02 02 27  
✓ Seven Falls iP 01 54 12 c

OCTOBER 30

U. S. C. G. S.  
53N, 167W  
Fox Isle, Aleutians  
H = 02 13 08  
✓ Resolute eP 02 20 02  
eS 02 25 22  
✓ Shawinigan Falls eP 02 23 06

OCTOBER 30

U. S. C. G. S.  
50 1/2N, 179W  
Andreanof Islands,  
Aleutians  
H = 02 50 26  
✓ Horseshoe Bay eP 02 57 (58)

✓ Resolute

eS 03 04 13  
✓ Shawinigan Falls eP 03 01 03  
✓ Victoria eP 02 57 24

OCTOBER 30

U. S. C. G. S.  
36N, 27 1/2E  
Dodecanese Islands  
H = 07 30 20  
✓ Ottawa eP 07 41 57  
✓ Resolute eP 07 40 57  
✓ Seven Falls eP 07 41 34  
✓ Shawinigan Falls iP 07 41 42 d

OCTOBER 31

U. S. C. G. S.  
39N, 140E  
Honshu, Japan  
H = 02 36 56  
✓ Banff iP 02 47 59 c  
✓ Ottawa eP 02 49 55  
✓ Resolute eP 02 47 12 c  
ePP 02 49 08  
✓ Seven Falls eP 02 49 55  
✓ Victoria eP 02 47 39

OCTOBER 31

U. S. C. G. S.  
8S, 161E  
Soloman Isl. region  
H = 04 24 04  
✓ Ottawa iP' 04 42 55







DOMINION OBSERVATORY

✓ Victoria  
e(P) 06 52 15.2  
eS 06 52 24.8

NOVEMBER 5  
U.S.C.G.S.  
13S, 169E  
New Hebrides  
H = 09 54 29  
h = 650 km  
✓ Ottawa  
eP' 10 12 07  
✓ Seven Falls  
eP' 10 12 12 c  
✓ Shawinigan Falls  
eP' 10 12 11 c

NOVEMBER 5  
U.S.C.G.S.  
51N, 178 1/2W  
Andreanof Islands,  
Aleutians  
H = 19 51 15  
✓ Horseshoe Bay  
iP 19 58 09 d  
Resolute  
eL 20 16 53  
✓ Victoria  
iP 19 58 12 d

NOVEMBER 6  
U.S.C.G.S.  
45N, 149 1/2E  
Kurile Islands  
H = 13 12 53  
✓ Horseshoe Bay  
eP 13 22 39  
Resolute  
iP 13 22 16 d  
eS 13 29 57  
✓ Victoria  
eP 13 22 41

NOVEMBER 6  
U.S.C.G.S.  
17 16 04  
iS1 17 16 13  
i 17 16 17  
D = 70 km

NOVEMBER 7  
U.S.C.G.S.  
24S, 112 1/2W  
South Pacific ocean  
H = 02 58 53  
✓ Horseshoe Bay  
eP 03 10 31  
✓ Victoria  
eP 03 10 27 c

NOVEMBER 7  
U.S.C.G.S.  
52N, 179E  
Rat Island, Aleutians  
H = 04 15 35  
✓ Horseshoe Bay  
eP 04 22 27 c  
Ottawa  
eP 04 25 54 c  
Resolute  
iP 04 22 59 c  
Seven Falls  
eP 04 26 00 c  
Shawinigan Falls  
iP 04 25 58 c  
✓ Victoria  
iP 04 22 29 c

NOVEMBER 8  
U.S.C.G.S.  
43N, 144 1/2E  
Near east coast of  
Hokkaido, Japan  
H = 09 03 34  
✓ Resolute  
iP 09 13 19 d

NOVEMBER 8  
Resolute  
iP 13 37 20 c

NOVEMBER 9  
U.S.C.G.S.  
53 1/2N, 164W  
Unimak Islands  
H = 06 16 59  
✓ Victoria  
eP 06 22 30

NOVEMBER 9  
Alberni  
iP 23 06 08.1  
Local shock

NOVEMBER 9  
U.S.C.G.S.  
38 1/2N, 22E  
Greece  
H = 23 55 50  
✓ Ottawa  
iP 24 07 02 d

NOVEMBER 10  
U.S.C.G.S.  
7S, 155 1/2E  
Solomon Islands  
H = 02 36 21  
Ottawa  
iP' 02 55 20 c  
Resolute  
eP 02 50 21

NOVEMBER 10  
U.S.C.G.S.  
7 1/2S, 155 1/2E  
Solomon Islands  
H = 03 43 49  
Resolute  
eP 03 57 51

SEISMOLOGICAL BULLETIN - 1957

NOVEMBER 10  
U.S.C.G.S.  
6 1/2S, 147E  
New Guinea  
H = 05 48 57  
✓ Ottawa  
eP' 06 08 08

NOVEMBER 10  
U.S.C.G.S.  
34 1/2N, 139E  
Honshu, Japan  
H = 08 26 06  
Resolute  
eP 08 36 47  
✓ Victoria  
eP 08 37 19

NOVEMBER 10  
U.S.C.G.S.  
8N, 74 1/2W  
Northern Colombia  
H = 10 21 14  
✓ Horseshoe Bay  
eP 10 31 06 d  
Ottawa  
eP 10 28 33 d  
Resolute  
eP 10 32 12  
Shawinigan Falls  
eP 10 28 54  
✓ Victoria  
eP 10 31 06 d

NOVEMBER 10  
U.S.C.G.S.  
60N, 152W  
Kenai Peninsula,  
Alaska  
H = 22 13 55  
✓ Ottawa  
eP 22 22 13  
Resolute  
eP 22 19 16  
Shawinigan Falls  
eP 22 22 18

NOVEMBER 10  
U.S.C.G.S.  
19N, 81 1/2W  
Cayman Islands  
H = 00 03 02  
✓ Ottawa  
iP 00 08 47 d

NOVEMBER 10  
U.S.C.G.S.  
20 03 55 c  
Resolute  
iP 20 03 55 c

NOVEMBER 10  
U.S.C.G.S.  
21 31 19  
Victoria  
eP 21 31 19

NOVEMBER 10  
U.S.C.G.S.  
19 33 34  
Ottawa  
eP 19 33 34  
Resolute  
iP 19 30 53 d  
eS 19 39 46  
eScS 19 40 37

NOVEMBER 10  
U.S.C.G.S.  
19 41 14  
Resolute  
eP 19 41 14

NOVEMBER 10  
U.S.C.G.S.  
18 20 38  
Guerrero, Mexico  
H = 18 20 38  
Ottawa  
eP 18 27 37  
Shawinigan Falls  
iP 18 27 58 d

NOVEMBER 10  
U.S.C.G.S.  
14 12 26  
Aleutian  
H = 14 12 26  
Resolute  
e(PPP) 14 22 09

NOVEMBER 10  
U.S.C.G.S.  
08 08 08  
Ottawa  
eP' 06 08 08

NOVEMBER 10  
U.S.C.G.S.  
07 51 22  
Resolute  
eP 07 51 22

NOVEMBER 10  
U.S.C.G.S.  
07 54 14  
Resolute  
eP 07 54 14

NOVEMBER 11  
U.S.C.G.S.  
46 1/2N, 112W  
Montana  
H = 07 49 54  
Resolute  
e(SS) 08 04 52

NOVEMBER 11  
U.S.C.G.S.  
05 30 28  
Andreanof Islands,  
Aleutian  
H = 05 30 28  
Ottawa  
iP 05 40 43 d  
Resolute  
eP 05 38 04

NOVEMBER 11  
U.S.C.G.S.  
07 51 46.9  
e 07 51 58.6  
eS 07 53 34.4  
e 07 54 14



DOMINION OBSERVATORIES

NOVEMBER 13  
U. S. C. G. S.  
Hokkaido, Japan  
H = 08 44 36  
Resolute  
eP 08 54 30 d

NOVEMBER 13  
U. S. C. G. S.  
33S, 179W  
Kermadec Islands  
H = 17 22 41  
Halifax  
iP' 17 41 52 c  
ePKS 17 45 14 W

Ottawa  
iP' 17 41 36 c  
ePP 17 43 18  
Seven Falls  
eP' 17 41 43 c  
Shawinigan Falls  
iP' 17 41 40 c

NOVEMBER 13  
Alberni  
iP 20 11 56.4  
iS 20 12 09.1  
Horseshoe Bay  
iP 20 11 52.6  
iS 20 11 02.4  
Victoria  
iP 20 11 42.6 c,E,S  
iS 20 11 45.8  
i 20 11 46.1

NOVEMBER 13  
Seven Falls  
eP<sub>n</sub> 20 46 12  
eS<sub>n</sub> 20 46 32  
D = 180 km

NOVEMBER 13  
Seven Falls  
eP<sub>n</sub> 20 49 53  
eS<sub>n</sub> 20 50 13  
D = 180 km

NOVEMBER 13  
Seven Falls  
eP<sub>n</sub> 20 54 50  
eS<sub>n</sub> 20 55 12  
D = 205 km

NOVEMBER 14  
Alberni  
eP 03 54 51.9  
Horseshoe Bay  
iP 03 54 40.9  
iS 03 54 49.1

NOVEMBER 14  
U. S. C. G. S.  
51N, 179W  
Andreanof Islands,  
Aleutian  
H = 04 34 41

Alberni  
eP 04 41 30  
Horseshoe Bay  
eP 04 41 37  
Ottawa  
iP 04 45 13 c  
Resolute  
eP 04 42 15  
iPPP 04 44 24  
Seven Falls  
eP 04 45 29 c  
Shawinigan Falls  
eP 04 45 17  
Victoria  
eP 04 41 39 d

NOVEMBER 14  
U. S. C. G. S.  
Andreanof Islands,  
Aleutian  
H = 05 20 17  
Ottawa  
iP 05 30 32 d  
Resolute  
eP 05 27 42  
ePPP 05 29 53

Seven Falls  
eP 05 30 42  
Shawinigan Falls  
eP 05 30 36

NOVEMBER 15  
U. S. C. G. S.  
52N, 171 1/2W  
Fox Islands, Aleutian  
H = 06 06 55  
Resolute  
eP 06 14 11 d  
eS 06 20 04

NOVEMBER 15  
Resolute  
iP 06 47 42 d

NOVEMBER 15  
U. S. C. G. S.  
8 1/2N, 124E  
Mindanao, P.I.  
H = 07 52 25  
Resolute  
eP 08 05 44  
eS 08 16 54

NOVEMBER 15  
U. S. C. G. S.  
34N, 141E  
Honshu, Japan  
H = 12 01 37  
Resolute  
iP 12 12 22 c

NOVEMBER 15  
Alberni  
eP 13 37 56.8  
eS 13 39 03  
Horseshoe Bay  
eP 13 38 04.0  
eS 03 39 18  
Victoria  
eP 13 37 51.6  
eS 13 37 56.6

SEISMOLOGICAL BULLETIN - 1957

NOVEMBER 15  
U. S. C. G. S.  
51 1/2N, 158E  
Kamchatka  
H = 16 30 29  
Alberni  
eP 16 39 04  
Halifax  
iP 16 42 29 c  
eS 16 52 16 E  
Horseshoe Bay  
eP 16 39 10  
Ottawa  
iP 16 42 01 d  
Resolute  
iP 16 38 50 c  
eS 16 45 27  
Seven Falls  
eP 16 42 03 c  
Shawinigan Falls  
eP 16 42 02 d

NOVEMBER 16  
Alberni  
eP 18 07 14.7  
eS 18 07 34.7  
Horseshoe Bay  
eP 18 07 14.0  
Victoria  
iP 18 06 58.6 c,N,W  
iS 18 07 02.8

NOVEMBER 17  
U. S. C. G. S.  
51 1/2N, 177W  
Andreanof Islands,  
Aleutian  
H = 01 48 48  
Alberni  
eP 01 55 24  
Horseshoe Bay  
eP 01 55 33  
Ottawa  
eP 01 59 11  
Resolute  
eP 01 56 17

i(PPP) 01 58 26  
eS 02 02 12  
Seven Falls  
eP 01 59 24  
Shawinigan Falls  
eP 01 59 15  
Victoria  
eP 01 55 34 c  
Ottawa  
iP 06 09 14 c  
epP 06 10 37  
eS 06 18 41  
Resolute  
iP 06 06 13 c  
iP<sub>c</sub>P 06 07 27  
eS<sub>c</sub>P 06 10 47  
esS 06 15 00  
eS<sub>c</sub>S 06 15 27

NOVEMBER 16  
U. S. C. G. S.  
17N, 85W  
Off north coast of  
Honduras  
H = 05 06 46  
Resolute  
eP 05 16 34  
eS 05 24 38  
Seven Falls  
eP 06 09 14 c  
Shawinigan Falls  
iP 06 09 15 c  
Victoria  
iP 06 06 46 c,S,I

NOVEMBER 16  
Ottawa  
iP<sub>1</sub> 19 48 24  
eS<sub>1</sub> 19 48 33  
i 19 48 37  
D = 70 km

NOVEMBER 17  
Alberni  
e 06 01 27.6  
Horseshoe Bay  
e 06 02 30.4  
Victoria  
iP 06 02 17.0 d,S,W  
iS 06 02 51.7  
iS 06 02 53.2

NOVEMBER 17  
U. S. C. G. S.  
49N, 148 1/2E  
Sea of Okhotsk  
H = 05 57 48  
h = 350 km  
Alberni  
eP 06 06 37 c

NOVEMBER 17  
Victoria  
eP 06 34 21.3  
eS 06 35 44.3

NOVEMBER 17  
U. S. C. G. S.  
40 1/2N, 125 1/2W  
Off coast of northern  
California  
H = 06 32 17  
Resolute  
eP 06 39 32.5 d

NOVEMBER 17  
U. S. C. G. S.  
Baja California  
H = 06 43 00  
Resolute  
i(P) 06 48 49 d  
Victoria  
eP 06 47 50

NOVEMBER 17  
U. S. C. G. S.  
Southern Chile -  
Argentina border  
H = 15 41 22



DOMINION OBSERVATORIES

✓ Resolute  
eP 15 57 17  
e(SS) 16 18 23

NOVEMBER 17  
U.S.C.G.S.  
30 1/2N, 138E  
Honshu, Japan  
H = 17 55 04  
h = 450 km

✓ Resolute  
iP 18 05 31 c  
eP 18 08 13

NOVEMBER 18  
U.S.C.G.S.  
51 1/2N, 179 1/2W  
Andreanof Islands,  
Aleutian

H = 10 12 00  
✓ Horseshoe Bay  
eP 10 18 57

✓ Ottawa  
eP 10 22 36

✓ Resolute  
eP 10 19 38  
ePPP 10 21 43  
eS 10 26 02

✓ Seven Falls  
eP 10 22 37

✓ Victoria  
eP 10 18 58

NOVEMBER 18  
U.S.C.G.S.  
51N, 179 1/2W  
Andreanof Islands,  
Aleutian  
H = 14 53 56

✓ Resolute  
eP 15 01 38  
e(PPP) 15 03 42

NOVEMBER 18  
U.S.C.G.S.  
44N, 148E  
Kurile Islands  
H = 15 12 53

✓ Ottawa  
eP 15 25 20

✓ Resolute  
iP 15 22 26 c

✓ Seven Falls  
eP 15 25 22 c

NOVEMBER 19  
U.S.C.G.S.  
27 1/2N, 129E  
Ryukyu Islands  
H = 01 44 36

✓ Resolute  
iP 01 56 15 c

NOVEMBER 19  
U.S.C.G.S.  
Antarctic Ocean  
H = 02 34 15

✓ Resolute  
eP' 02 54 10  
ePP 02 57 26  
e 03 51 16

NOVEMBER 19  
U.S.C.G.S.  
28 1/2N, 140 1/2E  
Bonin Islands region  
H = 11 21 39

✓ Resolute  
iP 11 33 00 d

NOVEMBER 19  
✓ Seven Falls  
eP 16 36 12  
✓ Shawinigan Falls  
iP 16 36 14 d

NOVEMBER 19  
U.S.C.G.S.  
31 1/2N, 140E  
Honshu, Japan  
H = 23 14 45

✓ Resolute  
iP 23 25 46 d

NOVEMBER 20  
U.S.C.G.S.  
23 1/2N, 143 1/2E  
Volcano Islands  
H = 02 35 29

✓ Resolute  
iP 02 47 16 d

NOVEMBER 20  
U.S.C.G.S.  
54N, 165W  
Unimak Island  
H = 12 40 23

✓ Alberni  
eP 12 45 53

✓ Halifax  
iS 12 58 59 E

✓ Horseshoe Bay  
eP 12 46 03  
eS 12 50 20

✓ Ottawa  
iP 12 49 56 d

i 12 50 36

✓ eP<sub>c</sub>P 12 50 55

✓ ePP 12 52 05

eS 12 57 34

ePS 12 57 56

eS<sub>c</sub>S 12 59 40

eSS 13 01 17

e 13 02 14

eL 13 05 10

✓ Resolute  
eP 12 47 09.5

i 12 47 11 c

✓ e(P<sub>c</sub>P) 12 49 58

eS 12 52 34



SEISMOLOGICAL BULLETIN - 1957

✓ Saskatoon  
eP 12 47 16  
eS 12 52 36  
eL 12 59.0

✓ Seven Falls  
eP 12 50 05 d

✓ eP<sub>c</sub>P 12 51 03

✓ ePP 12 52 15

✓ ePPP 12 53 29

eS 12 57 48

ePS 12 58 13

eSS 13 01 39

eSSS 13 03 48

✓ Shawinigan Falls  
eP 12 50 12 d

✓ Victoria  
eP 12 46 01

e 12 46 06 c

eS 12 50 32

eL 12 52.6

NOVEMBER 21  
✓ Resolute  
iP 02 01 19.5 d

NOVEMBER 23  
U.S.C.G.S.  
52N, 172E  
Near Islands, Aleutians  
H = 00 55 00  
✓ Resolute  
eP 01 02 51

NOVEMBER 23  
U.S.C.G.S.  
53N, 167 1/2W  
Fox Islands, Aleutians  
H = 00 58 36  
✓ Ottawa  
eP 01 08 21 c  
eS 01 16 12  
✓ Resolute  
iP 01 05 34.5 c  
eS 01 11 06

✓ Seven Falls  
eP 01 08 24  
eS 01 16 25  
eS<sub>c</sub>S 01 18 07

✓ Shawinigan Falls  
eP 01 08 27

✓ Victoria  
eP 01 04 31

NOVEMBER 24  
U.S.C.G.S.  
51N, 177 1/2W  
Andreanof Islands,  
Aleutians  
H = 01 25 35

✓ Resolute  
eP 01 33 10

ePPP 01 35 17

✓ Victoria  
eP 01 31 26

NOVEMBER 24  
U.S.C.G.S.  
78N, 20W  
Near northeast coast  
of Greenland  
H = 09 43 36

✓ Resolute  
eP 09 47 29 d

i 09 47 33

eS 09 50 22

NOVEMBER 24  
✓ Resolute  
eP 19 04 57 d

NOVEMBER 24  
✓ Resolute  
eP 21 19 17

NOVEMBER 25  
Resolute  
eL 00 21 07

NOVEMBER 25  
U.S.C.G.S.  
3N, 128E  
Halmahera Island  
H = 00 26 32  
✓ Resolute  
eP 00 40 13 c?

NOVEMBER 25  
U.S.C.G.S.  
62 1/2N, 151W  
Alaska  
H = 04 11 09  
✓ Ottawa  
eP 04 19 10 c

✓ Resolute  
iP 04 16 01 d

eS 04 20 00

✓ Seven Falls  
eP 04 19 17

✓ Shawinigan Falls  
eP 04 19 14

NOVEMBER 25  
✓ Resolute  
eP 04 28 38 d

NOVEMBER 25  
U.S.C.G.S.  
50 1/2N, 175 1/2W  
Andreanof Islands,  
Aleutians  
H = 07 36 08  
✓ Resolute  
eP 07 43 42  
ePPP 07 45 48



DOMINION OBSERVATORIES

NOVEMBER 25  
 ✓ Horseshoe Bay  
 iP 09 18 23.5  
 iS 09 18 48.2  
 ✓ Victoria  
 eP 09 18 09.2  
 eS 09 18 26.1

NOVEMBER 25  
 ✓ Resolute  
 eP 09 22 44

NOVEMBER 25  
 U.S.C.G.S.  
 44N, 130W  
 Off coast of Oregon  
 H = 18 55 12

✓ Alberni  
 eP 18 56 43.8  
 ✓ Horseshoe Bay  
 eP 18 56 51.4  
 e 18 56 53.9  
 ✓ Victoria  
 eP 18 56 44.6 d,S

NOVEMBER 25  
 U.S.C.G.S.  
 44N, 129W  
 Oregon aftershock  
 H = 19 04 40  
 ✓ Alberni  
 eP 19 05 58.3  
 ✓ Horseshoe Bay  
 eP 19 06 09.5 d  
 ✓ Victoria  
 eP 19 05 59.6

NOVEMBER 25  
 ✓ Alberni  
 eP 19 07 29.3  
 ✓ Horseshoe Bay  
 iP 19 07 40.8  
 ✓ Victoria  
 eP 19 07 31.4 d,W

NOVEMBER 25  
 ✓ Horseshoe Bay  
 eP 19 35 17.6  
 ✓ Victoria  
 eP 19 35 08

NOVEMBER 25  
 U.S.C.G.S.  
 44 1/2N, 129 1/2W  
 Oregon aftershock  
 H = 20 32 25

✓ Alberni  
 eP 20 33 50.3  
 ✓ Horseshoe Bay  
 eP 20 34 01.0  
 ✓ Victoria  
 eP 20 33 53

NOVEMBER 25  
 ✓ Horseshoe Bay  
 eP 21 18 44.5  
 ✓ Victoria  
 eP 21 18 33.8

NOVEMBER 25  
 U.S.C.G.S.  
 1 1/2S, 116 1/2E  
 Near east coast of  
 Borneo  
 H = 22 35 00  
 ✓ Ottawa  
 eP' 22 54 25  
 ✓ Seven Falls  
 eP' 22 54 24  
 ✓ Shawinigan Falls  
 eP' 22 54 24

NOVEMBER 26  
 U.S.C.G.S.  
 2S, 116E  
 Near east coast of  
 Borneo  
 H = 05 10 00  
 ✓ Ottawa  
 eP' 05 29 25

Resolute  
 eP 05 24 13  
 ePP 05 28 26  
 ✓ Seven Falls  
 eP' 05 29 25  
 ePP 05 31 58  
 ✓ Shawinigan Falls  
 eP' 05 29 26

NOVEMBER 26  
 U.S.C.G.S.  
 40N, 23E  
 Greece foreshock  
 H = 08 15 27  
 ✓ Resolute  
 eP 08 25 25

NOVEMBER 26  
 Resolute  
 eP 11 35 27 c

NOVEMBER 26  
 U.S.C.G.S.  
 51 1/2N, 176W  
 Andreanof Islands,  
 Aleutians  
 H = 11 35 44  
 ✓ Ottawa  
 eP 11 46 06  
 ✓ Resolute  
 eP 11 43 14 d  
 e(PPP) 11 45 23  
 eS 11 49 12  
 ✓ Seven Falls  
 eP 11 46 16  
 ✓ Shawinigan Falls  
 eP 11 46 12

NOVEMBER 26  
 U.S.C.G.S.  
 40N, 23E  
 Greek foreshock  
 H = 11 50 07  
 ✓ Resolute  
 eP 12 00 06

SEISMOLOGICAL BULLETIN - 1957

NOVEMBER 26  
 U.S.C.G.S.  
 19N, 121E  
 Near coast of Luzon, P.I.  
 H = 19 07 02  
 ✓ Resolute  
 iP 19 19 32 c

NOVEMBER 26  
 U.S.C.G.S.  
 11 1/2N, 86 1/2W  
 Near coast of Nicaragua  
 H = 23 24 03  
 h = 100 km  
 ✓ Ottawa  
 eP 23 30 52 c  
 Resolute  
 eP 23 34 26 c  
 Shawinigan Falls  
 eP 23 31 08

NOVEMBER 27  
 U.S.C.G.S.  
 39 1/2N, 22 1/2E  
 Near east coast of  
 Greece  
 H = 03 08 06  
 ✓ Ottawa  
 eP 03 19 10  
 ✓ Resolute  
 eP 03 18 07 d  
 ✓ Seven Falls  
 eP 03 18 44  
 ✓ Shawinigan Falls  
 eP 03 19 00

NOVEMBER 27  
 U.S.C.G.S.  
 7N, 73W  
 Northern Colombia  
 H = 03 22 19  
 h = 200 km  
 ✓ Resolute  
 esP 03 34 30

NOVEMBER 27  
 Resolute  
 iP 05 35 29 d  
 NOVEMBER 27  
 ✓ Resolute  
 eP 14 07 45 c

NOVEMBER 27  
 U.S.C.G.S.  
 20S, 67 1/2W  
 Southern Bolivia  
 H = 13 56 30  
 ✓ Resolute  
 eP 14 10 10 d

NOVEMBER 28  
 ✓ Resolute  
 iP 03 19 39 c  
 e 03 22 32

NOVEMBER 28  
 U.S.C.G.S.  
 8 1/2N, 126 1/2E  
 Near east coast of  
 Mindanao, P.I.  
 H = 05 09 35  
 ✓ Resolute  
 iP 05 22 52 c

NOVEMBER 28  
 ✓ Resolute  
 eP 05 47 39

NOVEMBER 28  
 ✓ Resolute  
 eP 07 47 32

NOVEMBER 28  
 ✓ Resolute  
 eP 08 16 05

NOVEMBER 28  
 U.S.C.G.S.  
 15S, 168 1/2E  
 New Hebrides  
 H = 20 50 10  
 Resolute  
 eL 21 35.2  
 Missed P in change  
 of sheets

NOVEMBER 29  
 Resolute  
 eP 17 22 27  
 e 17 25 15  
 e 17 27 00

NOVEMBER 29  
 U.S.C.G.S.  
 48 1/2S, 124 1/2E  
 South Indian ocean  
 H = 17 43 38  
 ✓ Resolute  
 eP 18 03 21  
 i 18 03 27 d

NOVEMBER 29  
 U.S.C.G.S.  
 21S, 66W  
 Southern Bolivia  
 H = 22 19 38  
 h = 200 km

✓ Alberni  
 eP 22 32 05  
 i 22 32 10  
 ✓ Halifax  
 iP 22 30 08 d,S  
 iS 22 38 30 S,E

✓ Horseshoe Bay  
 iP 22 32 00 d,S  
 i 22 32 05  
 iS 22 42 19

✓ Ottawa  
 iP 22 30 10 d  
 eP<sub>c</sub>P 22 30 42  
 i 22 31 13  
 i 22 31 40



DOMINION OBSERVATORIES

✓ e 22 35 54  
 ✓ eS 22 38 48  
 ✓ eScS 22 39 46  
 e 22 41 34  
 eSS 22 42 54  
 eL 22 42.9  
 Resolute  
 No sheets on  
 ✓ Saskatoon  
 iP 22 31 39  
 i 22 32 32  
 iS 22 41 25  
 i 22 42 41  
 i 22 43 08  
 eL 22 58.0  
 ✓ Seven Falls  
 iP 22 30 19 d  
 i 22 30 25  
 ePcP 22 30 58  
 eS 22 39 03  
 e 22 39 41  
 e 22 40 40  
 e 22 42 44  
 eL 22 45.7  
 ✓ Shawinigan Falls  
 iP 22 30 16 d  
 ePcP 22 30 43  
 e 22 31 06  
 eS 22 38 58  
 ✓ Victoria  
 iP 22 31 58 d,S,E  
 i 22 32 03 d  
 i 22 33 04 d  
 eS 22 42 07  
 e 22 42 15  
 i 22 43 30  
 eL 22 48.7  
 ✓ NOVEMBER 30  
 Ottawa  
 iP<sub>1</sub> 06 28 05  
 i 06 28 06  
 iS<sub>1</sub> 06 28 15  
 D = 80 km  
 Felt in Cornwall,  
 Ontario  
 ✓ Seven Falls  
 iP<sub>n</sub> 06 28 53  
 i 06 29 27  
 eS<sub>n</sub> 06 29 36  
 D = 450 km  
 ✓ Shawinigan Falls  
 i(L) 06 28 53  
 NOVEMBER 30  
 U. S. C. G. S.  
 83 1/2N, 112 1/2E  
 Arctic Ocean  
 H = 17 41 15  
 ✓ Resolute  
 eP 17 46 03 d  
 eS 17 50 06  
 NOVEMBER 30  
 U. S. C. G. S.  
 49N, 154E  
 Kurile Islands  
 H = 20 28 18  
 ✓ Resolute  
 iP 20 37 07 c  
 NOVEMBER 30  
 U. S. C. G. S.  
 47N, 154 1/2E  
 Kurile Islands  
 H = 21 37 11  
 ✓ Resolute  
 iP 21 46 13 c  
 eS 21 53 26  
 NOVEMBER 30  
 U. S. C. G. S.  
 47N, 154E  
 Kurile Islands  
 H = 21 54 10  
 ✓ Resolute  
 iP 22 03 10 c  
 eS 22 10 21  
 e(ScS) 22 13 00

✓ Seven Falls  
 eP 22 06 12  
 eS 22 16 08  
 ✓ Shawinigan Falls  
 eP 22 06 26  
 DECEMBER 1  
 U. S. C. G. S.  
 47 1/2N, 153 1/2E  
 Kurile Islands  
 H = 01 00 26  
 ✓ Resolute  
 iP 01 09 25 c  
 eS 01 16 42  
 DECEMBER 1  
 U. S. C. G. S.  
 47 1/2N, 154E  
 Kurile Islands  
 H = 01 09 00  
 ✓ Resolute  
 iP 01 17 59  
 ePP 01 20 04  
 eS 01 25 15  
 e 01 25 24  
 DECEMBER 1  
 U. S. C. G. S.  
 52 1/2N, 170W  
 Fox Islands, Aleutians  
 H = 01 38 14  
 Resolute  
 eL 02 00 00  
 DECEMBER 1  
 U. S. C. G. S.  
 47 1/2N, 153 1/2E  
 Kurile Islands  
 H = 02 12 34  
 Resolute  
 eL 02 32 10

SEISMOLOGICAL BULLETIN - 1957

DECEMBER 1  
 U. S. C. G. S.  
 47N, 154E  
 Kurile Islands  
 H = 10 00 05  
 Resolute  
 eL 10 25 44  
 DECEMBER 1  
 U. S. C. G. S.  
 52 1/2N, 170W  
 Fox Islands, Aleutians  
 H = 19 05 35  
 ✓ Resolute  
 eP 19 12 41 c?  
 eS 19 18 33  
 eL 19 20 18  
 DECEMBER 1  
 ✓ Alberni  
 eP<sub>n</sub> 21 32 02.6  
 iP<sub>1</sub> 21 32 07.5 c  
 eS 21 32 42  
 ✓ Horseshoe Bay  
 eP 21 32 16 c?  
 ✓ Victoria  
 eP 21 32 08 d?  
 DECEMBER 1  
 ✓ Alberni  
 eP 22 52 43.9  
 ✓ Horseshoe Bay  
 eP 22 52 58  
 ✓ Victoria  
 eP 22 52 52  
 iS 22 53 38  
 DECEMBER 1  
 ✓ Alberni  
 eP<sub>n</sub> 23 33 17.7  
 iP<sub>1</sub> 23 33 22.8 c  
 iS<sub>n</sub> 23 34 11.2  
 eS<sub>1</sub> 23 34 18  
 ✓ Horseshoe Bay  
 eP 23 33 31 c?  
 eS 23 34 25  
 ✓ Victoria  
 eP 23 33 25  
 eS 23 34 10  
 DECEMBER 2  
 DECEMBER 2  
 ✓ Alberni  
 eP<sub>n</sub> 00 22 37.0  
 eP<sub>1</sub> 00 22 41.6  
 ✓ Horseshoe Bay  
 iP 00 22 50.4 c  
 ✓ Victoria  
 iP 00 22 44 c  
 Local shock  
 DECEMBER 2  
 ✓ Alberni  
 eP<sub>n</sub> 02 56 32.4  
 iP<sub>1</sub> 02 56 40.2 c  
 ✓ Horseshoe Bay  
 iP<sub>n</sub> 02 56 46.3 c  
 iP<sub>1</sub> 02 56 51.5  
 eS 02 57 37  
 ✓ Victoria  
 iP 02 56 40.3 c?  
 eS 02 57 26  
 DECEMBER 2  
 ✓ Resolute  
 eP 09 29 12 c  
 DECEMBER 2  
 U. S. C. G. S.  
 37N, 2E  
 Near coast of Algeria  
 H = 12 48 54  
 ✓ Horseshoe Bay  
 eP 13 01 09 d?  
 ✓ Resolute  
 eP 12 58 37  
 ✓ Victoria  
 eP 13 01 13  
 DECEMBER 2  
 U. S. C. G. S.  
 13N, 88 1/2W  
 Near coast of El Salvador  
 H = 17 41 10  
 h = 100 km  
 ✓ Resolute  
 eP 17 51 23  
 DECEMBER 2  
 U. S. C. G. S.  
 83N, 25W  
 Near northeast coast of Greenland  
 H = 23 58 58  
 h = 100 km  
 ✓ Resolute  
 iP 24 02 12 c  
 eS 24 04 47  
 DECEMBER 3  
 U. S. C. G. S.  
 51 1/2N, 178W  
 Andreanof Islands,  
 Aleutians  
 H = 01 46 05  
 ✓ Horseshoe Bay  
 iP 01 52 58 c  
 ✓ Resolute  
 eP 01 53 40  
 ePPP 01 55 45  
 eS 01 59 31  
 eL 02 08 45







DOMINION OBSERVATORIES

✓ Resolute  
 iP 08 45 40 c  
 P<sub>c</sub>P 08 46 47  
 eL 09 00  
 ✓ Shawinigan Falls  
 eP 08 48 (38)

DECEMBER 6  
 ✓ Resolute  
 eP 23 06 34  
 e 23 16 08

DECEMBER 7  
 U. S. C. G. S.  
 6 1/2S, 123 1/2E  
 Flores Sea  
 H = 03 16 43  
 h = 550 km  
 ✓ Ottawa  
 eP' 03 35 03 c  
 ✓ Resolute  
 eP 03 30 11  
 eP' 03 34 11  
 sSP 03 47 20  
 SS 03 49 30  
 ✓ Seven Falls  
 eP' 03 34 57  
 ✓ Shawinigan Falls  
 eP' 03 35 (08)

DECEMBER 7  
 ✓ Alberni  
 iP 05 15 53.0  
 iS 05 16 02.5

DECEMBER 7  
 U. S. C. G. S.  
 15 1/2N, 92W  
 Guatemala  
 H = 08 24 03  
 ✓ Horseshoe Bay  
 iP 08 32 00 c  
 ✓ Ottawa  
 eP 08 30 39 d

✓ Resolute  
 iP 08 34 06 c  
 eS 08 42 14  
 eL 08 49 30  
 ✓ Seven Falls  
 eP 08 31 08  
 ✓ Shawinigan Falls  
 eP 08 30 (56)  
 ✓ Victoria  
 eP 08 31 51 c?N?E?

DECEMBER 7  
 U. S. C. G. S.  
 43 1/2N, 100E  
 Outer Mongolia  
 aftershock  
 H = 14 11 15  
 ✓ Horseshoe Bay  
 eP 14 23 31  
 ✓ Resolute  
 iP 14 21 34 c  
 ✓ Victoria  
 eP 14 23 28

DECEMBER 7  
 ✓ Resolute  
 eP 17 56 53

DECEMBER 7  
 U. S. C. G. S.  
 45N, 150 1/2E  
 Kurile Islands  
 H = 22 05 00  
 ✓ Resolute  
 eP 22 14 18

DECEMBER 7  
 U. S. C. G. S.  
 13 1/2N, 82W  
 Off east coast of  
 Nicaragua  
 H = 22 18 49  
 ✓ Ottawa  
 eP 22 25 23 c

✓ Resolute  
 eP 22 29 09 c?  
 eS 22 38 00  
 SS 22 42 00  
 eL 22 49 00  
 ✓ Seven Falls  
 eP 22 25 45  
 ✓ Shawinigan Falls  
 iP 22 25 (37) c

DECEMBER 8  
 ✓ Resolute  
 eP 04 50 38 d?

DECEMBER 8  
 U. S. C. G. S.  
 45N, 100 1/2E  
 Outer Mongolia  
 aftershock  
 H = 06 13 02  
 ✓ Resolute  
 eP 06 23 11

DECEMBER 8  
 U. S. C. G. S.  
 35N, 142E  
 Off east coast Honshu,  
 Japan  
 H = 12 16 30  
 ✓ Resolute  
 iP 12 27 08 d

DECEMBER 8  
 U. S. C. G. S.  
 34 1/2N, 142E  
 Off east coast Honshu,  
 Japan  
 H = 14 41 34  
 ✓ Horseshoe Bay  
 eP 14 52 14  
 ✓ Resolute  
 eP 14 52 11  
 ✓ Victoria  
 eP 14 52 31

SEISMOLOGICAL BULLETIN - 1957

DECEMBER 8  
 U. S. C. G. S.  
 45N, 99E  
 Outer Mongolia  
 aftershock  
 H = 15 29 15  
 ✓ Resolute  
 eP 15 39 22

DECEMBER 8  
 U. S. C. G. S.  
 Outer Mongolia  
 aftershock  
 H = 16 26 33  
 ✓ Resolute  
 eP 16 36 46 d

DECEMBER 8  
 U. S. C. G. S.  
 44 1/2N, 100E  
 Outer Mongolia  
 aftershock  
 H = 21 28 45  
 ✓ Resolute  
 iP 21 38 56 c

DECEMBER 9  
 U. S. C. G. S.  
 18N, 122 1/2E  
 Near north coast  
 Luzon, Phillipines  
 H = 01 16 09  
 ✓ Resolute  
 eP 01 28 44 d

DECEMBER 9  
 U. S. C. G. S.  
 Hew Hebrides Island  
 H = 15 49 34  
 ✓ Seven Falls  
 eP' 16 08 33

DECEMBER 9  
 U. S. C. G. S.  
 65 1/2N, 133W  
 Yukon  
 H = 22 07 43  
 ✓ Alberni  
 eP 22 16 22  
 eP 22 16 40  
 eS 22 21 28

✓ Halifax  
 eL 22 29 50  
 i 22 30 08  
 ✓ Horseshoe Bay  
 eP 22 11 40 d?N  
 eS 22 16 29  
 eS 22 16 33

✓ Lillooet  
 eP 22 (11) (41)  
 ✓ Ottawa  
 iP 22 14 50 c  
 S<sub>c</sub>S 22 24 38  
 L 22 26 40  
 ✓ Resolute  
 iP 22 11 21 c  
 eS 22 14 00  
 eS 22 14 11

✓ Saskatoon  
 eP 22 15 11  
 eS 22 17 50  
 i 22 18 30  
 ✓ Seven Falls  
 iP 22 14 58  
 i 22 22 51  
 L 22 26 58

✓ Shawinigan Falls  
 iP 22 14 (53) c  
 PPP 22 16 (52)  
 S 22 20 (35)  
 i 22 22 (35)  
 S<sub>c</sub>S 22 24 (57)  
 e 22 25 (34)  
 e 22 26 (35)  
 L 22 29 (22)

✓ Victoria  
 iP 22 11 50 c,S  
 iP 22 11 52 NE  
 iS 22 16 52

DECEMBER 10  
 ✓ Resolute  
 eP 08 19 36  
 eS 08 22 25

DECEMBER 10  
 U. S. C. G. S.  
 6S, 154 1/2E  
 Solomon Islands  
 H = 14 35 57

✓ Alberni  
 eP 14 48 46

✓ Halifax  
 e(P') 14 55 10  
 ePKS 14 58 33  
 ePS 15 07 14

✓ Horseshoe Bay  
 eP 14 48 58  
 eS 14 59 44

✓ Ottawa  
 iP' 14 54 53 d  
 PP 14 56 32

✓ SKS 15 02 07  
 SKKS 15 03 30  
 PS 15 06 09

SS 15 13 06  
 SSS 15 18 08  
 L 15 31 29

✓ Resolute  
 eP 14 49 51  
 PP 14 54 06

i 15 03 07  
 PSPS 15 09 12  
 eL 15 17 15

✓ Seven Falls  
 iP' 14 54 57 d  
 PP 14 56 44

✓ SKS 15 02 11  
 SKKS 15 03 48  
 e 15 05 26

SS 15 13 19  
 SSS 15 17 51

✓ Shawinigan Falls  
 iP' 14 54 (56) d  
 ✓ Victoria  
 eP 14 48 59 c

eS 14 59 40  
 iSS 15 06 16







DOMINION OBSERVATORIES

✓ Lillooet eP 05 18 30	✓ Alberni eP 14 02 49	i 14 10 (03)
✓ Ottawa eP 05 21 21	✓ eP 14 08 25	✓ PP 14 10 (19)
✓ PP 05 24 01	✓ eS 14 13 14	i 14 10 (29)
✓ S 05 30 28	✓ Halifax iP' 14 09 10	✓ PKKP 14 19 (15)
✓ Resolute iP 05 18 08 c	✓ i 14 09 44	PS 14 19 (44)
✓ eS 05 24 32	✓ i 14 09 54	PPS 14 21 (00)
✓ eL 05 27	✓ iPP 14 11 06	✓ Victoria eP 14 02 50 c?
✓ Saskatoon eP 05 19 15	✓ e 14 11 38	✓ iP 14 03 25
✓ eS 05 26 26	✓ ePKS 14 12 24	✓ iS 14 13 09
✓ eL 05 31	✓ i 14 26 04	
✓ Seven Falls eP 05 21 26	✓ Horseshoe Bay eP 14 03 52 c?	DECEMBER 17
✓ S 05 31 31	✓ eP 14 04 29	✓ Resolute eP 14 20 00.5 c
✓ PPS 05 31 31	✓ Lillooet eP 14 02 53 c	iP 14 20 01 d
✓ SS 05 35 19	✓ iP 14 03 35	e 14 28 03
✓ e 05 36 42	✓ Ottawa iP' 14 08 51 d	DECEMBER 17
✓ SSS 05 38 31	✓ i 14 09 04	✓ Seven Falls eP 17 11 03
✓ L 05 39 33	✓ i 14 09 28	
✓ Shawinigan Falls eP 05 21 (20)	✓ PP 14 09 53	DECEMBER 18
✓ PP 05 23 (57)	✓ i 14 10 41	U. S. C. G. S.
✓ Victoria eP 05 18 38	✓ i 14 10 45	11N, 63 1/2W
✓ eL 05 33	✓ PPP 14 12 27	H = 02 11 40
	✓ SKS 14 16 33	✓ Resolute eP 02 22 27
	✓ PKKP 14 19 22	eL 02 40
	✓ PS 14 19 43	✓ Seven Falls eP 02 18 46
	✓ i 14 19 50	✓ Shawinigan Falls eP 02 18 (46)
	✓ PPS 14 20 25	
DECEMBER 17	✓ Resolute eP 14 04 12 c	DECEMBER 18
✓ ePn 06 57 07	✓ e 14 07 04	Alberni
✓ e 06 57 10	✓ PP 14 08 27	iP 07 46 39.0 d?
✓ eS1P1 06 57 13	✓ e 14 12 26	iS 07 46 57.0
✓ e 06 57 15	✓ SKS 14 14 40	
✓ iSn 06 57 24	✓ S 14 15 47	DECEMBER 18
Local shock	✓ PS 14 17 30	Alberni
	✓ Saskatoon iP 14 03 45 NE	iP 07 46 39.0 d?
DECEMBER 17	✓ NW	iS 07 46 57.0
✓ Resolute eP 08 38 03	✓ ePP 14 07 30	
	✓ eS 14 14 04	DECEMBER 18
	✓ eSS 14 31.0	Victoria
DECEMBER 17	✓ Shawinigan Falls iP' 14 08 (56) d	iP 09 35 55.4 d
U. S. C. G. S.	✓ i 14 09 (32)	iS 09 36 07.9
12 1/2S, 166 1/2E	✓ i 14 09 (42)	
Santa Cruz Islands		
H = 13 50 12		
h = 100 km		



SEISMOLOGICAL BULLETIN - 1957

DECEMBER 18	✓ Resolute eP 19 12 15 c	✓ Resolute eP 19 02 55
✓ Resolute eP 20 50 47		✓ eL 19 46 (-)
e 20 52 17		
e 21 04 15		
eL 21 32		
DECEMBER 18		DECEMBER 20
U. S. C. G. S.		U. S. C. G. S.
60S, 28W		Andeanof Islands,
Sandwich Islands		Aleutians
H = 20 44 53		H = 10 16 20
✓ Ottawa eP' 21 04 13		✓ Alberni eP 10 23 05
✓ Shawinigan Falls eP' 21 04 (15)		DECEMBER 22
		Resolute eP 00 41 30 c?
		DECEMBER 22
		Horseshoe Bay eP 09 55 22
		eS 09 55 51
		✓ Horseshoe Bay eP 09 55 11.9
		eS 09 55 33
		✓ Victoria eP 09 55 01.9
		eS 09 55 15
DECEMBER 19		DECEMBER 23
U. S. C. G. S.		U. S. C. G. S.
Nicaragua		35N, 36 1/2W
H = 04 11 13		Atlantic Ocean
✓ Ottawa eP 04 18 05		H = 12 34 03
✓ Resolute eP 04 21 30		Halifax eP 12 39 12
iP 04 21 37 d		e 12 39 18
eL 04 46		iS 12 43 22
✓ Seven Falls eP 04 18 30		✓ Resolute eP 12 42 43
✓ Shawinigan Falls eP 04 18 (22)		iP 12 42 46 c
		eS 12 49 46
		eL 12 53
		✓ Seven Falls eP 12 40 13
		S 12 45 07
		SSS 12 47 15
		L 12 48 53
		✓ Shawinigan Falls eP 12 40 (16)
DECEMBER 19		DECEMBER 20
U. S. C. G. S.		Resolute eP 12 56 04
Kamchatka		
H = 12 03 55		DECEMBER 20
✓ Resolute eP 12 11 51		Resolute eP 20 21 46
eP 12 12 03		
DECEMBER 19		DECEMBER 21
U. S. C. G. S.		U. S. C. G. S.
30 1/2N, 142E		36N, 2E
South of Honshu, Japan		Algeria
H = 19 01 08		H = 18 53 27
		DECEMBER 23
		U. S. C. G. S.
		12 1/2N, 86 1/2W
		Nicaragua
		H = 13 19 28
		h = 150 km



DOMINION OBSERVATORIES

✓ Ottawa  
 iP 13 26 07 c  
 ✓ Resolute  
 iP 13 29 41 c  
 ✓ S<sub>c</sub>S 13 38 50  
 ✓ Seven Falls  
 eP 13 26 32  
 ✓ Shawinigan Falls  
 iP 13 26 (25) c

DECEMBER 25  
 U. S. C. G. S.  
 53 1/2N, 162E  
 Near east coast of  
 Kamchatka  
 H = 02 09 20  
 ✓ Resolute  
 iP 02 17 19 c  
 eL 02 27 20

DECEMBER 25  
 U. S. C. G. S.  
 10 1/2N, 62 1/2W  
 Venezuela  
 H = 16 26 01  
 ✓ Alberni  
 eP 16 36 37  
 ✓ Banff  
 eP 16 36 06  
 ✓ Horseshoe Bay  
 eP 16 36 30

DECEMBER 23  
 ✓ Resolute  
 eP 19 42 15

DECEMBER 25  
 ✓ Resolute  
 eP<sub>1</sub> 04 14 18  
 e 04 14 20  
 iS<sub>1</sub> 04 14 24

✓ Ottawa  
 eP 16 33 10 d  
 ✓ Resolute  
 eP 16 36 50  
 eP 16 36 52 d  
 eS 16 45 26  
 e 16 45 35  
 eL 16 53 17

DECEMBER 24  
 ✓ Resolute  
 iP 03 38 03.5 c

DECEMBER 25  
 ✓ Resolute  
 eP 05 31 11.5  
 i 05 31 13.5  
 iS<sub>1</sub> 05 31 17

✓ Seven Falls  
 eP 16 33 14 d  
 ✓ Shawinigan Falls  
 eP 16 33 (15) d  
 ✓ Victoria  
 eP 16 36 29

DECEMBER 24  
 ✓ Resolute  
 iP<sub>1</sub> 04 30 10.5  
 iS<sub>1</sub> 04 30 17.0  
 i 04 30 22.5

DECEMBER 25  
 ✓ Resolute  
 eP 10 13 11

DECEMBER 26  
 ✓ Resolute  
 eP 01 11 24

DECEMBER 24  
 U. S. C. G. S.  
 Northern Chile  
 H = 15 40 04  
 ✓ Seven Falls  
 iP 15 51 21 c

DECEMBER 25  
 U. S. C. G. S.  
 55N, 161E  
 Near east coast of  
 Kamchatka  
 H = 13 42 12  
 ✓ Ottawa  
 iP 13 53 19 d

DECEMBER 26  
 ✓ Resolute  
 eP 01 27 46.5  
 eS 01 28 06

DECEMBER 24  
 ✓ Ottawa  
 iP<sub>1</sub> 16 12 42  
 eS<sub>1</sub> 16 12 50  
 i 16 12 55

✓ Resolute  
 eP 13 50 02 c  
 iP 13 50 02.5 d  
 iPP 13 51 58  
 ✓ Seven Falls  
 eP 13 53 21

DECEMBER 26  
 U. S. C. G. S.  
 53 1/2N, 162E  
 Near east coast of  
 Kamchatka  
 H = 06 42 03  
 ✓ Resolute  
 eP 06 50 01 c?  
 eS 06 56 46  
 eL 07 09 10

DECEMBER 24  
 ✓ Resolute  
 iP 18 09 34 d

SEISMOLOGICAL BULLETIN - 1957

DECEMBER 26  
 U. S. C. G. S.  
 41 1/2N, 127W  
 Off coast of  
 California  
 H = 12 20 35  
 ✓ Alberni  
 eP 12 22 35  
 ✓ Banff  
 eP 12 23 46  
 ✓ Halifax  
 eP 12 28 29  
 ✓ Horseshoe Bay  
 eP 12 22 41 c?  
 ✓ Ottawa  
 eP 12 28 07 c  
 i 12 28 12  
 S 12 33 38  
 ✓ Resolute  
 eP 12 27 43  
 eS 12 33 30  
 ✓ Seven Falls  
 iP 12 28 14 d  
 i 12 28 19  
 S 12 34 24  
 ✓ Shawinigan Falls  
 eP 12 28 (07) c  
 i 12 28 (13)  
 ✓ Victoria  
 eP 12 22 29 c?N?W?

DECEMBER 27  
 U. S. C. G. S.  
 36 1/2N, 141E  
 Near east coast  
 Honshu, Japan  
 H = 01 28 02  
 ✓ Resolute  
 eP 01 38 36 d?  
 S<sub>c</sub>S 01 48 33

DECEMBER 27  
 ✓ Resolute  
 eP 05 13 55  
 e 05 21 30  
 e 05 22 32

DECEMBER 27  
 ✓ Resolute  
 eP 07 52 51  
 e 07 58 06

DECEMBER 27  
 U. S. C. G. S.  
 53 1/2N, 162E  
 Off east coast of  
 Kamchatka  
 H = 15 00 45  
 ✓ Resolute  
 eP 15 08 43 d  
 eS 15 15 15  
 eL 15 18 24

DECEMBER 28  
 ✓ Resolute  
 eP 06 55 10

DECEMBER 28  
 U. S. C. G. S.  
 18S, 64 1/2W  
 Bolivia  
 H = 14 36 40  
 ✓ Banff  
 eP 14 49 01  
 iP 14 49 05

DECEMBER 27  
 ✓ Resolute  
 iP 08 38 45 d

DECEMBER 27  
 ✓ Resolute  
 eP 09 04 42

DECEMBER 27  
 ✓ Halifax  
 iP 14 47 04  
 ✓ Ottawa  
 eP 14 47 15  
 ✓ Resolute  
 eP 14 50 01  
 e 14 52 31  
 ✓ PP 14 53 53  
 PPP 14 56 07  
 eS 15 01 16  
 SS 15 07 36  
 eL 15 21

DECEMBER 26  
 ✓ Banff  
 eP 12 29 20  
 ✓ Horseshoe Bay  
 eP 12 28 42 c?

DECEMBER 27  
 ✓ Resolute  
 eP 10 03 30

✓ Seven Falls  
 iP 14 47 22  
 i 14 47 26  
 i 14 47 41  
 i 14 53 46  
 e 14 54 10  
 S 14 56 04

DECEMBER 26  
 ✓ Resolute  
 e 12 36 43  
 i 12 38 16 c

DECEMBER 27  
 ✓ Resolute  
 iP 13 12 52 c

✓ Shawinigan Falls  
 eP 14 47 (2)

DECEMBER 26  
 ✓ Resolute  
 eP 18 56 13  
 eL 19 15 50



DOMINION OBSERVATORIES

DECEMBER 28  
U. S. C. G. S.  
Southern Bolivia  
H = 15 29 27  
✓ Seven Falls  
eP 15 40 15  
✓ Shawinigan Falls  
eP 15 40 (19)

DECEMBER 28  
✓ Victoria  
eP 18 49 42

DECEMBER 28  
U. S. C. G. S.  
16S, 172W  
Tongo Islands  
H = 19 01 22  
✓ Horseshoe Bay  
eP 18 13 20  
✓ Resolute  
eP 19 15 19 d?  
eS 19 27 03  
✓ SS 19 34 20  
eL 19 43  
✓ Victoria  
eP 19 13 23

DECEMBER 29  
✓ Victoria  
eP 03 43 52  
Local shock

DECEMBER 29  
U. S. C. G. S.  
13N, 144E  
Mariana Islands  
H = 14 11 40  
✓ Resolute  
eP 14 24 16  
✓ Seven Falls  
eP' 14 30 18

DECEMBER 29  
U. S. C. G. S.  
Coquimbo Province,  
Chile  
H = 15 12 08  
✓ Seven Falls  
iP 15 23 58 c  
✓ Shawinigan Falls  
eP 15 23 (56) c

DECEMBER 29  
✓ Resolute  
iP<sub>1</sub> 23 58 43.5  
iS<sub>1</sub> 23 58 53

DECEMBER 30  
U. S. C. G. S.  
53 1/2N, 166W  
Fox Islands, Aleutians  
✓ Resolute  
eP 12 52 52.7 c  
iP 12 52 53 d  
P<sub>c</sub>P 12 55 30  
eS 12 58 30  
e 12 58 50  
eL 13 01 25  
S<sub>c</sub>S 13 03 27

✓ Seven Falls  
eP 12 55 47  
✓ Shawinigan Falls  
eP 12 55 (47)

DECEMBER 30  
U. S. C. G. S.  
10 1/2N, 62W  
Near coast of Venezuela  
H = 13 28 51  
✓ Resolute  
eP 13 39 45 d?  
eL 14 01  
✓ Shawinigan Falls  
eP 13 36 (07)

DECEMBER 30  
U. S. C. G. S.  
19N, 120 1/2E  
Near north coast  
Luzon, Phillipine  
Islands  
H = 13 58 26  
✓ Resolute  
iP 14 11 04 c  
e 14 19 18  
eS 14 21 23  
SS 14 27 07  
eL 14 44 30

DECEMBER 30  
U. S. C. G. S.  
53N, 164W  
South of Unimak  
Island  
H = 18 38 00  
✓ Resolute  
eP 18 44 46  
eS 18 50 46  
eL 18 53 23  
S<sub>c</sub>S 18 55 25  
eL 18 57 31

DECEMBER 30  
✓ Resolute  
eP 18 54 15  
e 18 58 07

DECEMBER 31  
✓ Resolute  
eP 00 29 23  
e 00 33 38  
e 00 35 36  
e 00 38 18

DECEMBER 31  
✓ Resolute  
eP 07 03 17 d

SEISMOLOGICAL BULLETIN - 1957

DECEMBER 31  
U. S. C. G. S.  
58N, 32W  
North Atlantic Ocean  
H = 10 21 35  
✓ Ottawa  
eP 10 27 42  
✓ Resolute  
eP 10 27 30 d  
eS 10 32 16  
eL 10 33  
✓ Seven Falls  
eP 10 27 10 d  
✓ Shawinigan Falls  
eP 10 27 (24) d  
Victoria  
eL 10 50.6

✓ Halifax  
iP' 14 47 54 c  
✓ Resolute  
P' 14 47 23  
i 14 47 38  
e 14 50 10  
e 14 51 06  
e 14 50 10  
e 14 51 06  
(SKSP) 14 59 18  
(PSPS) 15 08 15  
SSS 15 13 00  
✓ Seven Falls  
eP' 14 47 42  
✓ Shawinigan Falls  
eP' 14 47 (34)

DECEMBER 31  
✓ Resolute  
eP 21 05 34

DECEMBER 31  
U. S. C. G. S.  
25N, 46W  
North Atlantic Ocean  
H = 13 02 20  
✓ Ottawa  
eP 13 08 46 c  
✓ Resolute  
eP 13 12 00  
eS 13 19 42  
(S<sub>c</sub>S) 13 22 20  
SS 13 24 00  
eL 13 29  
✓ Seven Falls  
eP 13 08 31 d  
✓ Shawinigan Falls  
eP 13 08 (37) c

DECEMBER 31  
U. S. C. G. S.  
45S, 96 1/2E  
South Indian Ocean  
H = 21 16 03  
eL 13 29 -  
✓ Seven Falls  
eP 13 08 31 d  
✓ Shawinigan Falls  
eP 13 08 (37) c

DECEMBER 31  
✓ Resolute  
eP 14 28 29 c

DECEMBER 31  
✓ Resolute  
eP 14 28 29 c

DECEMBER 31  
U. S. C. G. S.  
45S, 165 1/2E  
Off coast of South  
Island, New Zealand  
H = 14 28 15

DECEMBER 31  
U. S. C. G. S.  
45S, 165 1/2E  
Off coast of South Island  
New Zealand  
H = 14 28 15  
✓ Halifax  
iP' 14 47 54 c

DECEMBER 31  
✓ Resolute  
eP 21 05 34

DECEMBER 31  
U. S. C. G. S.  
45S, 96 1/2E  
South Indian Ocean  
H = 21 16 03  
✓ Resolute  
iP 21 35 54 d  
S<sub>1</sub>' 21 51 28  
PSPS 21 59 35  
SSS 22 04 40  
e 22 29 05  
e 22 35 34



## I.G.Y. MICROSEISMIC BULLETIN

OCTOBER - DECEMBER - 1957

## NOTES

Four stations only have been read, an Atlantic Station - Halifax, an inland station - Ottawa, a Pacific station - Victoria, and an Arctic station - Resolute. The following instruments are used:

Halifax	-	Willmore	Z	$T_s = 1$	sec.	$T_g = 2.0$	sec.
Ottawa	-	Benioff	Z	$T_s = 1$	sec.	$T_g = 20$	sec.
Victoria	-	Benioff	Z	$T_s = 1$	sec.	$T_g = 75$	sec.
Resolute	-	Columbia	Z	$T_s = 15.9$	sec.	$T_g = 9.7$	sec.



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS	
		K	A	T	K	A	T	K	A	T	K	A	T		
		October 1	0	...			3	0.5	4.5	2	0.5	3.8	0,0		
	6	...			3	0.5	4.5	2	0.5	3.8	0,0				
	12	...			3	0.5	4.5	2	0.8	4.4	0,0				
	18	...			3	0.5	4.5	2	0.7	5.0	0,0				
2	0	...			3	0.4	4.0	2	0.5	4.1	0,0				
	6	...			3	0.4	4.0	2	0.3	3.0	0,0				
	12	...			3	0.4	4.0	2	0.3	3.2	0,0				
	18	...			3	0.3	4.0	2	0.4	4.2	0,0				
3	0	...			3	0.3	4.0	2	0.3	3.6	3	0.6	4.0		
	6	...			3	0.3	4.0	2	0.5	4.3	3	0.6	5.0		
	12	...			3	0.4	4.0	2	0.4	2.8	3	0.6	4.6		
	18	1	0.8	4.0	3	0.5	4.0	2	0.6	3.7	3	0.9	5.0		
4	0	1	1.0	4.2	3	0.5	4.0	2	0.6	3.5	3	0.8	5.5		
	6	...			...			...			...				
	12	1	0.9	4.0	3	0.5	4.1	2	0.4	3.3	0,0				
	18	3	0.9	3.5	3	0.7	4.6	2	0.2	2.8	0,0				
5	0	3	1.2	4.0	3	1.2	4.6	...			0,0				
	6	3	1.0	4.0	3	1.0	4.9	2	0.2	3.1	0,0				
	12	3	0.3	2.5	3	1.3	5.0	2	0.3	3.5	0,0				
	18	3	0.2	2.1	1	0.8	5.0	2	0.3	3.0	0,0				
6	0	3	1.2	4.5	1	0.8	5.0	2	0.5	3.4	0,0				
	6	3	1.3	5.2	1	0.7	4.7	2	0.5	3.4	0,0				
	12	3	1.0	4.9	3	0.9	5.0	2	0.3	3.5	0,0				
	18	3	0.4	3.3	3	0.8	5.0	1	0.5	3.6	0,0				
7	0	3	1.0	4.6	3	0.7	4.2	1	0.5	3.9	0,0				
	6	3	0.7	4.1	3	0.7	4.0	1	0.6	4.0	0,0				
	12	3	0.3	2.6	3	0.7	4.0	1	0.2	3.1	0,0				

Earthquake

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		October 7	18	2	0.2	2.1	3	0.5	4.0	1	0.2	3.6	...	
8	0	3	0.2	2.0	3	0.5	4.0	2	0.3	4.1	0,0			
	6	3	0.2	2.2	3	0.5	4.0	2	0.2	3.2	0,0			
	12	3	0.2	2.0	3	0.4	3.9	2	0.1	3.0	0,0			
	18	3	0.2	2.0	3	0.4	3.9	2	0.1	2.6	...			
9	0	3	0.3	2.3	3	0.4	3.9	2	0.1	2.8	0,0			
	6	1	0.4	2.7	3	0.4	3.9	2	0.1	3.1	0,0			
	12	1	0.6	2.9	3	0.4	3.9	2	0.1	2.9	0,0			
	18	1	0.7	3.1	3	0.3	3.9	2	0.1	2.6	3	0.6	5.0	
10	0	1	0.5	2.8	3	0.3	3.8	2	0.1	2.7	3	0.6	4.7	
	6	1	0.5	3.0	3	0.3	3.8	2	0.1	2.7	3	0.6	5.0	
	12	3	0.5	3.0	3	0.3	3.8	2	0.1	2.7	0,0			
	18	3	0.4	2.9	3	0.3	3.8	0,0			0,0			
11	0	3	0.4	2.9	3	0.3	3.8	0,0			0,0			
	6	3	0.4	2.9	3	0.3	3.8	2	0.1	2.6	0,0			
	12	...			3	0.3	3.8	2	0.1	2.8	0,0			
	18	3	0.5	3.2	3	0.3	3.8	2	0.2	3.5	0,0			
12	0	3	0.1	2.0	3	0.3	4.0	2	0.2	3.3	0,0			
	6	3	0.4	2.6	3	0.3	4.0	2	0.3	3.6	0,0			
	12	...			3	0.2	3.0	2	0.3	3.6	3	0.6	5.0	Halifax traces too faint
	18	...			3	0.2	3.5	2	0.2	3.6	3	0.5	4.0	
13	0	...			3	0.3	3.5	2	0.2	3.5	3	1.2	4.5	
	6	...			3	0.5	4.0	2	0.3	4.1	3	1.6	5.4	
	12	...			3	0.5	4.0	2	0.2	3.8	3	1.2	4.9	
	18	...			3	0.3	4.0	2	0.3	4.0	3	1.5	5.1	
14	0	...			3	0.3	4.0	2	0.2	3.8	3	0.7	4.5	
	6	...			3	0.4	4.0	2	0.2	3.8	3	0.7	4.5	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		October 14	12	...			3	0.4	4.0	2	0.2	4.0	3
	18	...			3	0.4	4.1	2	0.2	3.6	0,0		
15	0	...			3	0.9	6.0	2	0.6	5.0	3	0.6	5.0
	6	...			3	1.2	6.0	2	0.4	4.1	0,0		
	12	...			3	1.2	6.0	2	0.4	4.7	0,0		
	18	3	0.2	2.2	3	1.2	6.0	2	0.3	3.8	0,0		
16	0	3	1.1	5.0	3	1.2	6.0	2	0.2	3.7	0,0		
	6	3	1.1	5.0	3	1.2	6.0	...			0,0		
	12	3	1.1	5.0	3	1.2	6.0	2	0.3	4.2	0,0		
	18	3	1.1	5.0	3	1.0	6.0	1	0.1	3.9	0,0		
17	0	3	0.7	4.5	3	0.8	5.5	1	0.1	3.6	...		
	6	3	0.9	5.0	3	0.5	5.0	1	0.1	3.0	0,0		
	12	0,0			3	0.5	5.0	1	0.1	3.3	0,0		
	18	0,0			3	0.3	4.0	1	0.1	3.1	...		
18	0	0,0			3	0.2	4.0	1	0.2	3.3	...		
	6	0,0			3	0.3	4.0	1	0.4	4.0	0,0		
	12	3	0.4	4.0	3	0.4	4.0	1	0.4	4.1	0,0		
	18	3	0.3	2.5	3	0.4	4.0	1	0.4	4.0	0,0		
19	0	3	0.4	3.0	3	0.3	4.0	1	0.4	4.2	3	0.7	5.5
	6	3	0.4	3.0	3	0.3	4.0	1	0.3	3.6	0,0		
	12	3	0.4	3.0	3	0.2	3.0	1	0.2	3.4	0,0		
	18	3	0.3	2.5	3	0.3	3.0	2	0.1	2.8	0,0		
20	0	3	0.4	2.8	3	0.4	3.2	2	0.1	3.0	0,0		
	6	3	0.5	3.0	3	0.4	3.2	2	0.3	3.6	0,0		
	9	3	0.3	2.2									
	12	3	0.3	2.4	3	0.4	3.1	2	0.3	3.6	...		

Local disturbances - Resolute

Halifax - storm start

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		October 20	15	3	0.5	2.7								
	18	3	0.6	2.7	3	0.6	4.0	2	0.5	3.9	0,0			
	21	3	0.6	2.4										
21	0	3	0.9	3.0	3	0.6	3.5	2	0.5	4.0	0,0			
	3	3	0.8	2.9										
	6	3	1.2	3.2	3	1.0	4.0	2	0.4	3.7	0,0			
	12	1	2.3	3.8	3	0.8	4.0	2	0.5	4.0	0,0			
	15	1	2.0	4.0										
	18	3	1.7	3.8	1	1.0	4.5	2	0.5	4.0	0,0			
	21	3	1.1	3.3										
22	0	3	1.1	3.9	3	0.6	3.9	2	0.4	3.7	0,0			
	1	3	1.4	4.1	3	0.8	4.4	2	0.3	3.6	0,0			
	2	3	0.9	3.7	3	0.6	4.0	2	0.3	3.6	0,0			
	3	3	0.8	3.5	3	0.5	4.0	2	0.2	3.3	0,0			
	4	3	0.7	3.3	3	0.5	3.6	2	0.3	3.7	0,0			
	5	3	0.7	3.4	3	0.5	4.0	...			0,0			
	6	3	0.6	3.3	3	0.6	4.0	2	0.3	3.8	0,0			
	7		0.6	3.1	3	0.5	4.0	2	0.2	3.6	0,0			
	8		0.4	2.6	3	0.5	4.0	2	0.3	3.7	0,0			
	9		0.4	2.6	3	0.5	4.0	2	0.2	3.5	0,0			
	10		0.4	2.9	3	0.4	4.0	2	0.2	3.2	0,0			
	11		0.5	3.1	3	0.4	4.0	2	0.2	3.6	0,0			
	12		0.4	2.6	3	0.4	4.1	2	0.2	3.2	0,0			
	13		0.4	2.9	3	0.4	4.0	2	0.3	3.8	0,0			
	14		0.3	2.7	3	0.4	4.0	2	0.2	3.5	0,0			
	15		0.4	2.9	3	0.4	4.0	2	0.2	3.6	0,0			

Halifax - storm end

Resolute - Earthquake

I.G.Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA				
		K	A	T	K	A	T	K	A	T	K	A	T		
		October 22	16		0.4	2.9	3	0.4	4.0	2	0.2	3.5	0,0		
	17	3	0.4	2.9	3	0.3	4.0	2	0.2	3.6	3	0.5	4.0		
	18	3	0.3	2.7	3	0.3	4.0	2	0.2	3.4	3	0.5	4.3		
	19	3	0.2	2.1	3	0.3	4.0	2	0.2	3.6	3	0.6	5.1		
	20	3	0.2	2.2	3	0.3	4.0	2	0.2	3.3	3	0.7	3.5		
	21	3	0.2	2.2	3	0.3	4.0	...			3	0.7	3.8	Resolute - Earthquake	
	22	3	0.1	2.0	3	0.3	4.0	2	0.2	3.2	3	0.4	3.0		
	23	3	0.1	2.0	3	0.3	4.0	2	0.2	3.5	3	0.8	3.3		
23	0	3	0.1	1.9	3	0.3	4.0	2	0.2	3.2	3	0.5	3.8		
	1	3	0.1	1.9	3	0.3	4.0	2	0.2	3.9	3	0.8	4.0		
	2	0,0			3	0.3	4.0	2	0.2	3.4	3	0.5	3.8		
	3	0,0			3	0.3	4.0	2	0.2	3.8	3	0.5	3.3		
	4	0,0			3	0.3	4.0	2	0.2	3.8	3	0.7	4.0		
	5	0,0			3	0.3	4.0	2	0.2	3.9	3	0.5	5.0		
	6	0,0			3	0.3	4.0	...			3	0.8	4.2	Resolute - Earthquake	
	7	0,0			...			2	0.2	3.7	...			Earthquake	
	8	0,0			3	0.3	4.0	2	0.2	3.4	...				
	9	0,0			3	0.3	4.0	2	0.2	3.4	3	0.5	4.1		
	10	0,0			3	0.3	4.0	2	0.2	3.4	3	0.5	5.0		
	11	0,0			3	0.3	4.0	2	0.2	3.4	3	0.5	4.0		
	12	0,0			3	0.3	4.0	2	0.2	3.5	0,0				
	13	0,0			3	0.3	4.0	2	0.2	3.4	0,0				
	14	0,0			3	0.3	4.0	2	0.2	3.4	0,0				
	15	0,0			3	0.3	4.0	2	0.4	4.0	0,0				
	16	0,0			3	0.3	4.0	2	0.4	4.2	0,0				
	17	0,0			3	0.3	4.0	...			3	0.8	5.0		

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		October 23	18	0,0			3	0.3	4.0	2	0.4	4.1	3	
	19	0,0			3	0.4	4.0	2	0.5	4.2	3	0.5	4.9	
	20	0,0			3	0.4	4.0	2	0.4	4.3	0,0			
	21	0,0			3	0.4	4.0	2	0.6	4.4	0,0			
	22	0,0			3	0.4	4.0	2	0.6	4.2	0,0			
	23	0,0			3	0.4	4.0	2	0.6	4.2	0,0			
24	0	0,0			3	0.4	4.0	2	0.6	4.4	0,0			
	1	0,0			3	0.4	4.0	2	0.6	4.2	3	0.5	4.1	
	2	0,0			3	0.4	4.0	2	0.6	4.3	3	0.7	5.0	
	3	0,0			3	0.4	4.0	2	0.7	4.5	3	0.7	5.2	
	4	0,0			3	0.4	4.0	2	0.6	4.7	3	0.7	4.9	
	5	3	0.1	2.0	3	0.4	4.0	2	0.8	4.8	3	0.7	5.4	
	6	3	0.1	2.1	3	0.4	4.0	2	0.5	4.0	3	0.7	5.0	
	7	0,0			3	0.4	4.0	2	0.7	4.7	3	0.6	5.0	
	8	0,0			3	0.4	4.0	2	0.7	4.8	3	0.7	4.5	
	9	0,0			3	0.4	4.0	2	0.7	4.3	3	1.0	5.4	
	10	0,0			3	0.4	4.0	2	0.6	4.3	3	0.8	5.4	
	11	0,0			3	0.4	4.0	2	0.4	3.9	3	0.6	5.0	
	12	3	0.1	1.9	3	0.4	4.0	2	0.5	4.2	3	0.7	5.2	
	13	3	0.1	2.0	3	0.4	4.0	2	0.6	4.3	3	0.6	5.0	
	14	3	0.1	1.9	3	0.4	4.0	2	0.5	4.0	3	0.7	4.5	
	15	3	0.1	1.9	3	0.4	4.0	2	0.5	3.9	3	0.7	5.1	
	16	3	0.2	1.9	3	0.4	4.0	2	0.5	4.2	3	0.6	4.9	
	17	3	0.1	1.8	3	0.4	4.0	...			3	0.7	5.0	
	18	3	0.1	1.8	3	0.4	4.0	2	0.7	4.6	0,0			
	19	3	0.2	2.0	3	0.4	4.0	2	0.8	4.8	3	0.7	5.0	

I.G.Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		October 24	20	3	0.2	2.0	3	0.4	4.0	...			3	
	21	3	0.2	2.1	3	0.4	4.0	2	0.8	4.7	3	0.7	5.1	
	22	3	0.2	2.1	...			...			...			Earthquake
	23	3	0.2	2.0	...			2	0.7	4.5	...			
25	0	3	0.3	2.3	3	0.4	4.0	2	0.8	4.4	...			Earthquake
	6	3	0.3	2.2	3	0.4	4.0	2	0.4	4.1	3	0.7	4.5	
	12	3	0.1	1.7	3	0.4	4.0	2	0.3	4.1	3	0.8	5.0	Ottawa - no record
	18	3	0.2	2.1	3	0.5	4.0	2	0.2	3.6	3	0.7	5.0	
26	0	3	0.4	2.7	...			2	0.1	2.9	0,0			Ottawa - no record
	3	3	0.4	2.4										
	6	3	0.4	2.6	...			2	0.2	3.1	3	0.8	6.0	Ottawa - no record
	9	1	0.1	1.4										
	12	1	0.6	2.7	...			2	0.2	3.3	3	0.7	5.5	Ottawa - no record
	15	1	0.9	3.2										
	18	1	0.9	3.1	3	0.8	4.2	2	0.2	3.1	3	0.8	5.7	Ottawa - no record
27	0	3	0.4	2.5	...			2	0.2	3.5	3	0.7	5.0	
	6	3	0.3	2.3	...			2	0.2	3.4	0,0			Ottawa - no record
	12	3	0.2	2.1	...			2	0.2	3.6	0,0			
	18	3	0.4	2.3	...			...			0,0			Ottawa - no record
28	0	3	0.4	2.3	...			2	0.4	4.6	0,0			
	6	3	1.0	3.3	...			2	0.3	3.8	0,0			Ottawa - no record
	12	3	0.7	3.3	...			2	0.2	4.2	0,0			
	18	3	0.6	3.2	1	0.8	4.2	2	0.3	4.0	3	0.7	5.0	Ottawa - no record
29	0	3	0.3	2.4	1	0.8	4.0	2	0.1	3.9	3	0.7	5.4	
	6	3	0.7	2.9	1	0.7	4.0	2	0.2	3.8	0,0			Ottawa - no record
	12	3	0.9	3.1	1	1.0	3.8	2	0.2	3.8	0,0			
	18	3	0.9	3.4	1	0.7	4.0	2	0.2	3.6	0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		October 30	0	3	0.7	3.2	3	0.8	4.0	2	0.3	3.9	3	
	6	3	0.4	2.6	3	0.9	4.8	2	0.3	3.6	0,0			
	12	3	0.5	3.0	3	1.0	5.0	2	0.3	3.6	0,0			
	18	3	0.9	4.3	3	0.9	4.5	0,0			0,0			
31	0	3	0.8	4.0	3	0.9	4.5	2	0.2	3.8	3	0.6	5.0	
	6	3	0.2	2.0	3	0.9	4.5	2	0.4	4.4	0,0			
	12	3	0.1	1.6	3	0.7	4.5	3	0.4	5.1	...			
	18	3	0.2	2.0	3	0.4	4.0	0,0			3	0.7	5.8	
November 1	0	3	0.3	2.5	3	0.7	4.6	0,0			0,0			
	6	3	0.2	2.1	3	0.6	4.1	0,0			3	0.7	5.5	
	12	3	0.2	2.0	3	0.5	4.0	0,0			0,0			Halifax - storm start
	15	1	0.2	2.0										
	18	1	0.2	2.0	2	0.6	4.0	0,0			3	0.6	5.0	
	21	1	0.3	2.3										
2	0	1	0.2	1.7	2	0.5	3.6	0,0			0,0			
	3	1	0.3	2.3										
	6	1	0.2	2.1	2	0.5	3.0	2	0.1	3.0	0,0			
	9	1	0.3	2.3										
	12	1	0.3	2.3	2	0.4	3.3	2	0.2	3.4	3	1.0	8.0	
	15	1	0.4	2.4										
	18	1	0.4	2.6	2	0.3	3.3	2	0.1	3.5	0,0			Halifax - storm end
3	0	1	0.3	2.6	2	0.7	4.5	2	0.3	4.6	3	0.8	6.0	
	6	1	0.3	2.5	2	0.6	4.0	2	0.4	4.6	3	0.9	7.0	
	12	1	0.5	2.9	2	0.5	3.8	2	0.3	4.3	3	0.9	7.0	
	18	1	0.4	2.6	2	0.7	4.5	0,0			3	0.8	6.3	Halifax - storm start
	21	1	0.4	2.3										

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 4	0	1	0.3	2.1	2	0.6	4.0	2	0.2	3.3	3	
	3	1	0.6	2.9										
	6	1	0.6	2.9	2	0.6	3.8	2	0.3	4.1	3	0.8	6.0	
	9	1	0.9	3.1										
	12	1	1.4	3.5	2	0.6	3.8	2	0.3	3.7	3	0.8	6.0	
	15	1	1.8	4.0										
	18	1	1.8	3.8	2	0.7	3.9	0,0			0,0			
	21	1	1.5	3.5										
5	0	1	1.6	3.8	2	0.7	3.9	0,0			3	0.8	6.5	
	3	1	2.0	4.0										
	6	1	1.1	3.3	2	0.6	3.9	0,0			3	0.8	6.0	
	12	1	0.9	3.5	2	0.6	3.9	0,0			3	0.9	7.0	
	15	1	0.6	3.1										
	18	1	0.6	3.0	2	0.4	4.3	...			0,0			
	21	1	0.6	3.0										
6	0	1	0.6	3.3	2	0.4	4.2	0,0			0,0			Halifax - storm end
	6	1	0.5	3.0	2	0.4	4.0	0,0			0,0			
	12	1	0.5	3.1	2	0.4	3.9	2	0.1	2.8	0,0			Resolute - seismograph relocated, no records to November 10.
	18	1	0.7	3.5	1	0.9	4.5	...			0,0			
7	0	1	0.6	3.2	1	1.5	4.7	...			0,0			
	6	1	0.7	3.6	1	1.1	4.5	...			0,0			
	12	1	0.6	3.1	1	1.0	4.9	...			0,0			
	18	1	0.6	3.0	1	0.9	4.3	...			0,0			
8	0	1	0.8	3.6	1	0.8	4.4	...			0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 8	6	1	0.9	3.6	1	0.7	4.5	...			0,0	
	12	1	0.7	3.6	2	0.6	4.0	...			3	0.3	8.5	
	18	1	0.5	3.5	2	0.7	4.5	...			3	1.0	8.0	
9	0	1	0.7	3.9	2	0.6	4.0	...			3	0.9	7.3	
	6	1	0.3	2.5	2	0.6	4.0	...			3	0.9	7.5	Halifax - storm start
	9	1	0.2	2.0										
	12	1	0.2	2.0	2	0.8	3.8	...			0,0			
	15	1	0.6	3.0										
	18	1	0.6	2.7	2	0.6	3.0	...			3	0.9	7.0	
	21	1	0.4	2.3										
10	0	...			2	1.0	4.0	...			3	0.9	7.0	
	3	...												
	6	...			2	1.1	4.2	...			3	0.9	7.0	
	9	...												
	12	...			2	1.2	4.2	...			3	1.1	7.0	
	15	1	0.9	3.0										
	18	1	0.9	3.0	1	1.1	4.3	2	0.8	4.0	3	1.0	5.0	
	21	1	0.8	2.9										
11	0	1	0.8	3.1	1	1.1	4.3	2	0.8	4.4	3	1.0	5.0	
	3	1	0.8	3.0										
	6	1	0.7	3.1	1	1.5	4.7	2	0.5	3.9	3	1.0	5.0	
	9	1	0.6	2.8										
	12	1	0.8	3.1	1	1.6	4.5	2	0.6	4.3	3	0.9	5.5	
	15	1	1.0	3.1										
	18	1	0.9	3.2	1	1.4	4.5	...			...			
	21	1	0.8	3.0										

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 12	0	1	1.2	3.7	1	0.8	4.2	...			3	
	3	1	1.2	3.5										
	6	1	1.2	3.5	1	0.6	4.0	...			3	1.0	4.5	
	9	1	1.0	3.5										
	12	1	0.6	3.2	1	0.5	4.1	...			3	0.6	4.3	
	15	1	0.7	3.3										
	18	1	0.7	3.2	3	0.6	4.2	...			3	0.7	4.4	Halifax - storm end
13	0	1	0.6	3.0	3	0.6	4.4	...			3	0.6	4.6	
	6	1	0.5	3.0	3	2.8	8.0	...			3	2.0	7.1	
	12	1	0.4	2.8	3	1.8	7.7	...			3	2.3	7.4	
	18	1	0.4	2.9	...			...			3	2.3	7.4	Earthquake
14	0	1	0.3	2.5	3	1.1	7.0	1	0.7	5.2	3	2.4	7.0	
	1	1	0.3	2.6	3	1.2	7.0	1	1.2	6.5	3	2.2	6.9	
	2	1	0.4	2.8	3	1.2	6.0	1	1.0	6.4	3	2.7	7.5	
	3	1	0.4	2.8	3	1.3	6.7	1	1.2	6.2	3	2.4	7.1	
	4	1	0.3	2.9	3	1.3	6.8	1	1.1	6.8	3	2.2	7.1	
	5	1	0.6	4.3	3	1.5	6.9	1	1.1	6.5	3	2.2	6.8	
	6	1	0.5	3.7	3	1.4	7.0	1	1.3	6.5	3	1.7	6.2	
	7	1	0.4	2.9	3	1.4	6.8	1	1.2	6.7	3	1.9	7.1	
	8	1	0.5	4.1	3	1.6	7.0	1	1.2	7.0	3	1.8	6.4	
	9	1	0.5	3.9	3	1.4	7.0	1	1.2	6.4	3	2.3	7.4	
	10	1	0.5	4.0	3	1.4	7.0	1	1.6	7.3	3	1.9	6.3	
	11	1	0.9	5.0	3	1.3	7.0	1	1.3	6.6	3	2.4	7.1	
	12	1	0.7	4.2	3	1.3	6.6	1	1.1	6.7	3	1.9	6.5	
	13	1	0.5	3.5	3	1.2	6.4	1	1.6	7.3	3	2.3	7.4	
	14	1	0.4	3.2	3	1.5	6.8	1	1.3	7.2	3	2.3	7.4	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 14	15	1	1.0	5.0	3	1.2	6.0	1	1.4	6.6	3	
	16	1	0.9	5.0	...			1	1.1	6.4	3	1.9	7.2	
	17	1	0.6	4.0	3	1.2	6.0	...			3	2.5	7.4	Resolute - no recording
	18	1	0.6	4.0	3	1.1	6.0	...			...			
	19	1	0.7	4.5	3	1.0	6.0	...			...			
	20	1	0.7	4.7	3	0.9	5.2	...			3	2.3	7.1	
	21	1	1.0	5.0	3	0.9	5.1	...			3	2.2	7.2	
	22	1	0.7	4.5	3	0.8	5.1	...			3	2.2	7.0	
15	23	1	0.8	3.8	3	1.0	5.0	...			3	1.8	6.5	
	0	1	0.6	4.3	3	0.9	5.1	...			3	1.5	6.3	
	6	1	0.7	4.5	3	0.8	5.0	2	0.2	3.7	3	1.7	6.1	
	12	1	0.6	4.1	3	0.5	4.0	2	0.2	4.0	3	1.8	6.6	
	18	1	0.5	3.7	3	0.5	4.0	...			3	1.6	6.1	
16	0	1	0.7	4.0	3	0.6	4.0	...			3	0.8	6.0	Halifax - storm start
	3	1	0.5	3.0										
	6	1	0.2	2.0	3	0.8	5.0	1	0.2	3.9	3	0.8	6.2	
	9	1	0.2	2.0										
	12	1	0.2	2.0	3	1.0	5.0	1	0.3	3.8	0,0			
	15	1	0.4	2.4										
	18	1	0.4	2.2	3	0.9	4.7	...			0,0			
	21	1	0.9	3.0										
17	0	1	1.1	3.0	3	1.0	4.9	1	0.3	4.2	0,0			
	3	1	0.9	2.9										
	6	1	1.2	3.1	3	1.0	5.0	...			0,0			
	9	1	1.0	3.3										
	12	1	1.5	3.5	3	0.9	4.9	1	0.3	4.1	3	0.5	4.3	

I. G. X. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 17	15	1	1.2	3.4								
	18	1	0.9	3.3	3	1.0	5.0	...			3	0.5	3.8	
	21	1	0.7	3.0										
18	0	1	0.8	3.0	3	1.1	5.0	...			3	0.6	4.2	
	3	1	0.9	3.1										
	6	1	1.4	3.4	3	1.4	6.0	1	0.6	5.0	3	1.0	5.1	
	9	1	0.9	3.0										
	12	1	1.2	3.3	3	1.7	6.0	1	0.7	5.4	3	0.9	4.3	
	15	1	1.2	3.4										
	18	1	0.7	2.9	3	1.4	6.0	...			3	0.7	4.6	
	21	1	1.1	3.2										
19	0	1	1.0	3.3	3	1.6	6.0	2	0.3	4.4	0,0			
	3	1	0.7	3.0										
	6	1	0.8	3.4	3	1.2	6.0	2	0.3	4.8	3	0.6	5.0	
	9	1	0.9	3.5										
	12	1	0.7	3.3	3	0.8	5.0	0,0			3	0.7	5.5	
	15	1	0.8	3.3										
	18	1	0.3	2.5	3	0.6	3.8	0,0			0,0			
	21	1	0.7	3.0										
20	0	1	0.5	2.7	3	0.5	3.4	1	0.1	3.9	0,0			
	3	1	0.7	2.9										
	6	1	0.9	3.1	3	0.7	3.9	1	0.1	3.7	0,0			
	12	1	0.7	2.6	3	0.9	4.0	1	0.2	4.2	0,0			
	15	1	1.0	3.3										
	18	1	1.3	3.5	1	1.0	4.0	...			0,0			
	21	...												

DOMINION OBSERVATORIES

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 21	0	...			1	0.7	3.6	1	0.4	4.3	0,0	
	1	...			1	0.8	4.0	1	0.3	4.2	0,0			
	2	...			1	0.8	3.9	1	0.3	3.8	0,0			
	3	...			1	0.8	4.0	1	0.3	4.0	0,0			
	4	...			1	0.8	3.8	1	0.3	4.0	0,0			
	5	...			1	0.9	3.9	1	0.2	3.8	0,0			
	6	...			1	0.8	3.7	1	0.2	3.9	0,0			
	7	...			1	0.7	3.6	1	0.2	3.8	0,0			
	8	...			1	0.7	4.0	1	0.3	4.2	0,0			
	9	...			1	0.8	4.0	1	0.4	4.4	0,0			
	10	...			1	0.9	3.9	1	0.2	4.4	0,0			
	11	...			1	0.9	4.1	1	0.2	3.9	0,0			
	12	...			1	0.8	4.5	1	0.3	4.3	0,0			
	13	...			1	0.9	4.2	1	0.2	4.4	0,0			
	14	...			1	0.8	4.0	1	0.3	4.1	0,0			
	15	1	0.8	3.0	1	0.7	4.0	1	0.2	4.1	0,0			
	16	1	1.1	3.3	1	0.9	4.0	...			0,0			
	17	1	0.5	2.4	3	0.7	4.0	...			3	0.6	5.1	
	18	1	0.5	2.9	3	0.8	4.4	...			0,0			
	19	1	0.9	3.3	3	0.7	4.1	...			3	0.7	5.6	
	20	1	0.6	2.9	3	0.8	4.0	...			3	0.6	5.1	
	21	1	1.0	3.5	3	1.0	5.1	...			0,0			
	22	1	0.7	3.0	3	1.3	5.5	...			0,0			
	23	1	0.8	3.1	3	1.3	5.2	1	0.6	5.2	0,0			
22	0	1	0.8	3.0	3	1.1	5.0	1	0.5	4.8	3	0.7	4.7	
	1	1	0.9	3.4	3	1.0	5.0	1	0.4	4.5	3	0.6	5.1	

I.G.Y. MICROSEISMIC BULLETIN

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DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		November 22	2	1	1.0	3.4	3	0.9	5.1	1	0.4	5.4	3
	3	1	1.0	3.4	3	1.0	5.0	1	0.5	4.7	3	0.7	5.2
	4	1	0.9	3.4	3	1.3	5.2	1	0.5	4.7	3	0.7	4.6
	5	1	0.8	3.4	3	1.0	5.2	1	0.6	5.3	0,0		
	6	1	1.0	3.6	3	0.9	5.1	1	0.5	4.9	3	0.6	4.5
	7	1	0.8	3.3	3	0.9	5.0	1	0.4	4.7	3	0.6	4.7
	8	1	0.8	3.4	3	0.9	5.0	1	0.4	5.3	0,0		
	9	1	0.7	3.2	3	0.9	5.1	1	0.4	5.0	3	0.5	4.1
	10	1	0.7	3.4	3	1.0	5.0	1	0.4	5.4	3	0.7	5.2
	11	1	0.6	3.1	3	0.8	5.1	1	0.2	5.0	3	0.7	5.0
	12	1	0.9	3.9	3	0.8	5.1	1	0.3	4.1	3	0.7	5.4
	13	1	0.8	3.6	3	0.8	5.1	1	0.3	4.5	0,0		
	14	1	0.9	3.8	3	0.8	5.0	1	0.4	4.8	3	0.7	5.2
	15	1	0.8	3.7	3	0.8	5.1	1	0.3	4.9	3	0.8	5.3
	16	1	0.7	3.4	3	0.6	4.0	...			0,0		
	17	1	0.7	3.7	3	0.8	5.2	...			0,0		
	18	1	0.9	3.8	3	0.8	5.0	...			0,0		
	19	1	0.9	4.0	3	0.8	5.0	...			0,0		
	20	1	0.8	3.8	3	0.7	4.4	...			3	0.6	3.8
	21	1	0.9	4.1	3	0.8	5.0	...			3	0.6	4.7
	22	1	0.7	3.6	3	0.8	5.0	...			0,0		
	23	1	0.6	3.4	3	0.8	5.0	1	0.2	4.1	0,0		
23	0	1	0.7	3.3	3	0.8	5.0	1	0.2	4.2	0,0		
	6	1	0.6	3.6	3	0.7	4.9	1	0.1	4.6	3	0.7	5.0
	12	1	0.6	3.1	3	0.5	3.6	0,0			3	0.7	5.3
	18	1	0.5	3.0	3	0.5	3.7	...			3	0.7	5.2

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 24	0	1	0.6	3.7	3	0.5	3.6	1	0.2	4.4	3	
	6	1	0.5	3.5	3	0.5	4.0	1	0.2	4.2	3	0.7	5.3	
	12	1	0.2	2.4	3	0.5	4.0	1	0.2	3.9	3	0.5	3.3	
	18	1	0.4	2.5	3	0.4	3.6	...			3	0.5	3.8	
	21	1	0.5	2.6										
25	0	1	0.9	3.0	3	0.6	4.0	1	0.2	4.5	3	0.7	5.2	
	3	1	1.1	3.2										
	6	1	1.8	3.8	3	0.8	4.0	1	0.2	4.5	3	0.6	5.1	
	9	1	2.1	4.0										
	12	1	1.1	3.3	3	0.9	4.5	1	0.3	4.2	3	0.7	5.1	
	15	...												
	18	...			3	0.8	4.2	...			3	1.0	5.6	
	21	...												
26	0	...			3	0.9	4.4	...			3	1.0	6.2	
	3	...												
	6	...			3	1.2	4.6	1	0.8	5.7	3	1.4	6.3	
	9	...												
	12	...			3	1.5	5.0	...			3	1.3	6.2	
	15	1	1.4	4.2										
	18	1	2.0	4.7	3	1.3	5.0	1	0.5	5.3	3	1.5	6.3	
	21	1	2.1	5.0	3	1.9	5.4							
27	0	1	1.6	4.4	3	2.8	6.5	1	0.5	5.4	3	1.1	6.7	
	3	1	2.1	4.8	3	2.7	6.2							
	6	1	1.7	4.5	3	2.9	6.0	1	1.2	5.4	3	1.0	6.2	
	9	1	2.8	5.3	3	4.0	6.0							
	12	1	1.5	4.3	3	3.2	6.0	1	1.1	5.6	3	1.0	6.8	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 22	2	1	1.0	3.4	3	0.9	5.1	1	0.4	5.4	3	
	3	1	1.0	3.4	3	1.0	5.0	1	0.5	4.7	3	0.7	5.2	
	4	1	0.9	3.4	3	1.3	5.2	1	0.5	4.7	3	0.7	4.6	
	5	1	0.8	3.4	3	1.0	5.2	1	0.6	5.3	0,0			
	6	1	1.0	3.6	3	0.9	5.1	1	0.5	4.9	3	0.6	4.5	
	7	1	0.8	3.3	3	0.9	5.0	1	0.4	4.7	3	0.6	4.7	
	8	1	0.8	3.4	3	0.9	5.0	1	0.4	5.3	0,0			
	9	1	0.7	3.2	3	0.9	5.1	1	0.4	5.0	3	0.5	4.1	
	10	1	0.7	3.4	3	1.0	5.0	1	0.4	5.4	3	0.7	5.2	
	11	1	0.6	3.1	3	0.8	5.1	1	0.2	5.0	3	0.7	5.0	
	12	1	0.9	3.9	3	0.8	5.1	1	0.3	4.1	3	0.7	5.4	
	13	1	0.8	3.6	3	0.8	5.1	1	0.3	4.5	0,0			
	14	1	0.9	3.8	3	0.8	5.0	1	0.4	4.8	3	0.7	5.2	
	15	1	0.8	3.7	3	0.8	5.1	1	0.3	4.9	3	0.8	5.3	
	16	1	0.7	3.4	3	0.6	4.0	...			0,0			
	17	1	0.7	3.7	3	0.8	5.2	...			0,0			
	18	1	0.9	3.8	3	0.8	5.0	...			0,0			
	19	1	0.9	4.0	3	0.8	5.0	...			0,0			
	20	1	0.8	3.8	3	0.7	4.4	...			3	0.6	3.8	
	21	1	0.9	4.1	3	0.8	5.0	...			3	0.6	4.7	
	22	1	0.7	3.6	3	0.8	5.0	...			0,0			
	23	0	1	0.6	3.4	3	0.8	5.0	1	0.2	4.1	0,0		
	6	1	0.6	3.6	3	0.7	4.9	1	0.1	4.6	3	0.7	5.0	
	12	1	0.6	3.1	3	0.5	3.6	0,0			3	0.7	5.3	
	18	1	0.5	3.0	3	0.5	3.7	...			3	0.7	5.2	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 24	0	1	0.6	3.7	3	0.5	3.6	1	0.2	4.4	3	
	6	1	0.5	3.5	3	0.5	4.0	1	0.2	4.2	3	0.7	5.3	
	12	1	0.2	2.4	3	0.5	4.0	1	0.2	3.9	3	0.5	3.3	
	18	1	0.4	2.5	3	0.4	3.6	...			3	0.5	3.8	Halifax - storm start
	21	1	0.5	2.6										
25	0	1	0.9	3.0	3	0.6	4.0	1	0.2	4.5	3	0.7	5.2	
	3	1	1.1	3.2										
	6	1	1.8	3.8	3	0.8	4.0	1	0.2	4.5	3	0.6	5.1	
	9	1	2.1	4.0										
	12	1	1.1	3.3	3	0.9	4.5	1	0.3	4.2	3	0.7	5.1	
	15	...												
	18	...			3	0.8	4.2	...			3	1.0	5.6	
	21	...												
26	0	...			3	0.9	4.4	...			3	1.0	6.2	
	3	...												
	6	...			3	1.2	4.6	1	0.8	5.7	3	1.4	6.3	
	9	...												
	12	...			3	1.5	5.0	...			3	1.3	6.2	Earthquake
	15	1	1.4	4.2										
	18	1	2.0	4.7	3	1.3	5.0	1	0.5	5.3	3	1.5	6.3	Ottawa - storm start
	21	1	2.1	5.0	3	1.9	5.4							
27	0	1	1.6	4.4	3	2.8	6.5	1	0.5	5.4	3	1.1	6.7	
	3	1	2.1	4.8	3	2.7	6.2							
	6	1	1.7	4.5	3	2.9	6.0	1	1.2	5.4	3	1.0	6.2	
	9	1	2.8	5.3	3	4.0	6.0							
	12	1	1.5	4.3	3	3.2	6.0	1	1.1	5.6	3	1.0	6.8	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		November 27	15	1	2.0	4.5	3	2.3	5.9					
	18	1	0.6	3.0	3	3.2	6.0	1	1.1	5.5	3	1.5	6.0	
	21	1	0.6	3.0	3	2.7	5.6							
28	0	1	0.7	3.1	3	2.9	6.0	1	0.9	5.4	...			
	3	1	0.6	2.9	3	2.8	6.5							
	6	1	0.9	3.5	3	2.2	5.5	...			3	0.8	6.1	Resolute - Earthquake
	9	1	1.1	3.7	3	1.9	5.4							
	12	1	1.0	4.0	3	2.2	6.0	1	0.7	5.3	3	0.9	5.4	Ottawa - storm end
	15	1	1.4	4.5	3									
	18	1	1.3	4.4	3	1.7	5.8	...			3	0.8	5.8	Resolute - no record
29	0	1	1.8	5.0	3	1.7	6.0	1	0.7	5.6	3	0.8	5.9	Halifax - storm end
	6	1	1.1	4.2	3	1.9	5.6	1	0.6	5.0	3	0.8	6.2	
	12	1	1.2	4.5	3	1.7	6.0	1	0.3	4.8	3	0.9	6.5	
	18	1	0.2	2.0	3	1.4	5.6	...			3	0.6	4.7	Resolute - no record on November 30
30	0	1	0.4	2.3	...			...			...			Halifax - storm start
	3	1	0.8	2.7	3			...						
	6	1	0.9	2.6	3	1.0	5.0	...			0,0			
	9	1	0.9	2.7	3			...						
	12	1	0.8	2.6	3	0.9	5.1	...			0,0			
	15	1	0.9	2.8	3			...						
	18	1	1.2	3.3	3	0.8	4.9	...			2	0.8	6.3	
	21	1	0.9	2.9	3			...						
December 1	0	1	0.9	3.0	3	0.8	3.6	1	0.3	6.5	0,0			
	3	1	1.0	3.0										
	6		1.0	3.2	1	0.9	4.0	1	0.4	6.0	0,0			
	9	1	1.1	3.1										

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 1	12	1	2.1	3.6	1	1.2	4.0	1	0.4	5.6	0,0	
	15	...												
	18	...			1	1.2	4.0	...			0,0			
	21	...			1	2.1	4.6							
2	0	...			1	2.2	4.9	1	0.7	5.6	0,0			
	3	...			1	1.9	5.0							
	6	2	0.7	2.9	1	1.7	5.5	1	0.6	5.4	3	1.3	5.0	
	9	2	0.6	2.7	1	2.0	5.0							
	12	2	0.9	3.1	1	2.0	5.0	2	0.9	6.6	0,0			
	15	2	1.1	3.8	1	2.7	5.5							
	18	2	2.0	4.0	1	4.6	6.0	3	1.9	7.2	0,0			
	21	2	1.7	4.0	1	3.9	5.7							
3	0	2	1.2	4.0	1	3.5	6.0	...			0,0			
	3	2	0.8	3.0	1	3.0	5.0							
	6	2	0.6	2.5	1	3.5	5.0	3	2.0	7.0	0,0			
	9	2	0.7	2.5	1	3.0	5.6							
	12	2	0.6	2.7	1	2.6	5.2	3	1.8	6.6	0,0			
	15	2	0.6	2.6										
	18	...			1	1.8	5.0	...			0,0			
	21	2	0.7	3.1										
4	0	2	0.2	2.0	3	1.1	4.5	...			0,0			Resolute - no record
	3	2	0.3	2.2										
	6	2	0.2	2.0	...			...			...			Earthquake
	9	2	0.3	2.3							...			
	12	2	0.3	2.2	...			...			...			
	15	2	0.5	3.0							...			
	18	2	0.4	2.9	3	1.6	4.4	1	0.9	6.4	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 4	21	2	0.4	2.5								
5	0	1	0.8	3.5	3	1.6	4.0	1	0.7	6.4	0,0			Ottawa - storm
	3	1	1.6	4.3	3	2.0	4.5							
	6	1	1.7	4.2	3	2.5	5.0	1	1.4	5.7	0,0			
	9	...			3	3.8	5.0							
	12	...			3	2.8	5.0	2	1.8	6.1	0,0			Halifax - not readable amplitudes too large
	15	...			3	2.0	4.5							
	18	...			3	3.4	4.6	3	2.5	6.2	0,0			
	21	...			3	4.3	5.9							
6	0	...			3	4.0	6.0	3	2.1	6.2	0,0			
	3	...			3	2.7	5.6							
	6	...			3	3.6	5.7	3	1.8	6.3	0,0			
	9	...			3	2.4	5.4							
	12	...			3	2.2	5.1	2	1.6	6.5	0,0			
	15	2	2.7	4.8	3	2.1	5.3							
	18	2	2.7	4.6	3	2.2	5.8	2	1.3	6.2	0,0			
	21	2	2.0	4.7	3	1.8	5.0							
7	0	2	1.0	3.5	3	2.0	4.9	2	1.2	6.1	3	1.7	6.0	
	3	2	1.0	3.4	3	2.5	5.0							
	6	2	1.0	3.4	3	1.8	5.1	2	1.1	6.6	3	1.9	6.1	
	9	2	1.0	3.5	3	1.8	5.0							
	12	2	1.2	3.7	3	2.0	5.1	2	1.0	6.1	3	1.9	6.0	
	15	2	1.1	3.7	3	1.9	5.0							
	18	2	0.8	3.6	3	1.8	5.0	1	0.9	6.9	3	1.9	6.7	
	21	2	1.2	4.0	3	1.5	5.0							

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 8	0	2	0.9	3.6	3	1.3	5.7	1	0.9	6.1	3	
	3	2	0.8	3.9	3	1.2	4.7							
	6	2	0.6	3.0	3	1.2	4.7	1	1.6	6.4	3	1.6	5.3	
	9	...			3	1.3	5.0							
	12	...			3	1.3	4.8	2	2.1	7.2	2	2.6	6.7	
	15	...												
	18	...			3	1.3	5.0	1	1.5	6.9	2	2.2	6.4	
	21	2	0.5	2.4	3									
9	0	2	0.5	2.5	3	1.4	5.1	1	1.5	6.7	2	2.1	6.8	
	3	2	0.5	2.8										
	6	2	0.4	2.3	3	1.5	5.0	1	0.8	6.6	2	2.1	7.3	
	9	2	0.3	2.0										
	12	2	0.4	2.3	3	1.5	4.9	1	0.8	6.6	2	1.9	6.7	
	15	1	0.6	2.6										
	18	1	0.7	2.7	3	1.6	5.0	1	0.8	5.5	0,0			
	21	1	0.7	2.7										
10	0	1	0.6	2.5	3	1.5	5.0	1	0.9	6.3	...			
	3	1	0.7	2.7										
	6	1	0.7	2.8	2	1.3	5.0	1	0.8	6.8	0,0			
	9	1	0.4	2.6										
	12	1	0.4	2.5	2	0.9	4.3	1	0.9	6.6	0,0			
	15	1	0.6	3.3										
	18	1	0.6	3.0	2	0.7	4.0	1	1.0	6.1	0,0			
	21	2	0.4	2.5										
11	0	2	0.4	2.5	2	0.7	3.6	1	1.0	6.2	0,0			
	3	2	0.4	2.5										

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 11	6	2	0.5	2.5	2	0.9	3.8	1	0.8	6.3	0,0	
	9	...												
	12	...			2	1.0	3.9	1	0.7	6.3	0,0			
	15	2	0.6	3.3										
	18	2	0.9	3.0	2	1.0	3.8	1	0.7	6.2	0,0			
12	0	2	0.5	2.7	2	1.5	5.0	1	0.8	6.0	3	1.7	6.3	Halifax - seismograph sensitivity lowered
	6	2	0.6	3.1	2	1.5	5.0	1	0.7	5.6	0,0			Ottawa - storm start
	9				1	2.0	5.0							
	12	2	0.7	3.0	1	2.0	4.8	1	0.8	5.7	0,0			
	15				1	2.1	5.0							
	18	2	0.6	3.3	1	2.4	5.2	1	0.8	5.8	0,0			
	21				1	2.0	5.2							
13	0	2	0.7	3.0	1	2.0	5.1	1	0.8	5.5	0,0			
	1	1	0.7	2.7	1	2.1	5.2	1	0.8	5.6	0,0			Ottawa - storm end
	2	1	0.8	2.6	...			...			0,0			Earthquake
	3	1	1.1	3.0	...			...			0,0			
	4	1	1.0	3.0	1	2.3	5.1	...			0,0			
	5	1	1.4	3.3	1	2.3	5.0	...			0,0			
	6	1	1.4	3.2	1	2.3	5.0	1	0.7	5.6	0,0			
	7	1	1.6	3.5	1	1.6	4.6	1	0.7	5.4	0,0			
	8	1	1.3	3.3	1	2.0	5.0	1	0.7	5.6	0,0			
	9	1	1.7	3.7	1	1.8	5.0	1	0.6	5.3	0,0			
	10	1	1.8	4.0	1	2.0	5.0	1	0.6	5.7	0,0			
	11	1	1.4	3.6	1	2.0	5.0	1	0.6	6.0	0,0			
	12	1	1.9	4.1	1	1.8	5.0	1	0.5	5.6	0,0			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 13	13	1	2.2	4.3	1	1.9	5.0	1	0.7	5.5	0,0	
	14	1	2.4	4.5	1	1.8	5.0	1	0.5	5.8	0,0			
	15	1	2.5	4.3	1	1.7	4.9	1	0.5	5.8	0,0			
	16	1	2.6	4.8	1	1.9	5.0	...			0,0			
	17	1	2.3	4.4	1	1.7	5.1	1	0.6	5.6	0,0			
	18	1	3.2	5.0	1	1.7	5.1	1	0.6	5.7	0,0			
	19	1	1.5	4.0	1	1.7	5.0	1	0.5	6.1	0,0			
	20	1	3.5	5.0	1	1.6	5.0	1	0.5	5.4	0,0			
	21	1	1.7	4.1	...			...			0,0			
	22	1	1.6	4.0	1	1.9	5.0	...			0,0			Earthquake
	23	1	2.0	4.4	1	2.2	4.4	2	0.6	5.4	0,0			Ottawa - storm start
14	0	1	1.7	4.0	1	2.4	4.7	2	0.6	5.3	0,0			
	3				1	3.7	5.0							
	6	1	2.5	5.0	1	3.3	5.0	3	1.4	6.0	0,0			Resolute - storm start
	9				1	4.3	5.1	3	1.9	5.9				
	12	1	4.3	5.5	1	4.2	5.3	3	1.7	6.0	3	1.6	5.5	
	15				1	2.5	5.0	3	1.5	6.1				
	18	1	3.2	5.5	1	3.6	5.6	3	1.3	5.9	0,0			Resolute - storm end
	21				1	2.0	5.3							Ottawa - storm end
15	0	2	2.1	5.5	1	2.6	6.1	1	0.9	5.8	0,0			
	1	2	2.5	5.0	1	2.5	6.0	1	0.8	5.8	0,0			
	2	2	3.1	5.5	1	2.1	6.0	1	0.7	6.0	0,0			
	3	2	2.0	5.0	1	2.1	5.3	1	0.6	5.7	0,0			
	4	2	1.7	5.0	1	2.0	5.1	1	0.5	5.8	0,0			
	5	2	1.3	4.5	1	1.2	5.0	1	0.5	5.7	0,0			
	6	2	0.5	3.0	1	1.5	5.0	1	0.5	5.7	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA		
		K	A	T	K	A	T	K	A	T	K	A	T
		December 15	7	2	0.5	3.0	1	1.5	5.0	2	0.5	6.1	0,0
	8	2	0.8	4.1	3	1.8	5.2	2	0.4	6.0	0,0		
	9	2	0.3	2.7	3	1.5	5.2	2	0.5	5.9	0,0		
	10	2	0.4	3.1	3	1.3	5.2	3	0.5	5.4	0,0		
	11	2	0.3	3.3	2	1.2	5.0	3	0.4	5.8	0,0		
	12	2	0.3	3.0	2	1.3	5.0	3	0.5	5.5	0,0		
	13	2	0.3	3.0	2	1.3	5.0	3	0.3	6.2	0,0		
	14	2	0.3	3.0	2	1.3	5.0	3	0.4	5.8	0,0		
	15	2	0.3	3.0	2	0.7	4.0	3	0.4	6.0	0,0		
	16	2	0.2	2.5	2	0.8	4.0	3	0.4	5.9	0,0		
	17	2	0.2	2.2	2	0.7	4.0	2	0.4	6.0	0,0		
	18	2	0.2	2.2	2	0.6	3.5	2	0.3	6.1	0,0		
	19	2	0.2	2.2	2	0.7	3.8	2	0.5	5.9	0,0		
	20	1	0.2	2.2	2	0.7	4.0	2	0.3	6.0	0,0		
	21	1	0.2	2.3	2	0.6	4.0	2	0.3	6.0	0,0		
	22	1	0.3	2.5	2	0.6	4.0	2	0.3	6.7	0,0		
	23	1	0.3	2.5	2	0.7	4.0	2	0.4	5.9	0,0		
16	0	1	0.3	2.5	2	0.7	3.7	2	0.4	5.8	0,0		
	1	1	0.3	2.5	2	0.6	3.5	2	0.4	6.0	0,0		
	2	1	0.3	2.5	2	0.7	3.8	2	0.3	6.1	0,0		
	3	1	0.3	2.5	2	0.7	3.8	2	0.3	6.3	0,0		
	4	1	0.3	2.5	2	0.6	3.7	2	0.4	6.0	0,0		
	5	1	0.3	2.5	2	0.6	4.0	2	0.4	5.6	0,0		
	6	1	0.3	2.5	2	0.6	4.0	2	0.3	5.8	0,0		
	7	1	0.4	3.0	2	0.7	4.0	2	0.4	5.7	0,0		
	8	1	0.4	3.0	2	0.7	4.0	2	0.4	6.0	0,0		

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 16	9	1	0.4	3.0	2	0.6	4.0	2	0.4	5.6	0,0	
	10	1	0.4	3.0	2	0.6	4.0	2	0.6	5.6	0,0			
	11	1	0.4	3.0	2	0.6	4.0	2	0.5	5.9	0,0			
	12	1	0.4	3.0	2	0.6	4.0	2	0.5	5.5	0,0			
	13	1	0.4	3.0	2	0.6	4.0	2	0.5	5.9	0,0			
	14	1	0.3	3.0	2	0.6	4.0	2	0.5	6.0	0,0			
	15	2	0.4	3.5	2	0.6	4.0	2	0.5	6.0	0,0			
	16	2	0.7	4.0	2	0.6	4.0	2	0.4	6.0	0,0			
	17	2	0.3	3.5	2	0.6	4.0	2	0.4	5.8	0,0			
	18	...			...			...			0,0		Earthquake	
	19	2	0.4	3.6	2	0.6	4.0	...			0,0			
	20	2	0.3	3.6	2	0.6	4.0	1	0.6	5.9	0,0			
	21	2	0.2	3.0	2	0.6	4.0	1	0.5	6.1	0,0			
	22	2	0.2	3.0	2	0.6	4.0	1	0.5	5.8	0,0			
	23	2	0.2	3.0	2	0.6	4.0	1	0.4	5.7	0,0			
17	0	2	0.2	3.0	2	0.6	4.0	...			0,0		Earthquake	
	1	2	0.2	3.0	2	0.4	4.0	1	0.5	6.3	0,0			
	2	2	0.3	3.0	2	0.4	4.0	1	0.4	6.2	0,0			
	3	2	0.3	3.0	2	0.4	4.0	1	0.4	6.4	0,0			
	4	2	0.2	2.5	2	0.4	4.0	1	0.5	6.2	0,0			
	5	2	0.4	3.0	2	0.4	3.8	1	0.4	5.8	0,0			
	6	...			...			...			0,0		Earthquake	
	7	1	0.4	3.0	...			...			0,0			
	8	1	0.5	3.0	...			...			0,0			
	9	1	0.4	3.0	2	0.3	3.3	...			0,0			
	10	1	0.4	3.0	2	0.3	3.3	1	0.4	6.1	0,0			
	11	1	0.4	3.0	2	0.3	3.0	1	0.4	6.3	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 17	12	2	0.4	3.0	2	0.3	3.0	1	0.5	6.0	0,0	
	13	2	0.3	3.0	2	0.3	3.0	1	0.4	5.9	0,0			Earthquake
	14	2	0.3	3.0	2	0.3	3.0	...			0,0			Earthquake
	15	...			...			...			0,0			
	16	...			...			...			0,0			
	17	2	0.4	2.5	...			...			0,0			
	18	2	0.2	2.2	2	0.4	3.0	...			2	2.2	5.7	
	19	2	0.3	2.5	2	0.4	3.3	...			2	2.4	5.6	
	20	1	0.3	2.5	2	0.4	3.4	...			2	2.2	5.3	
	21	1	0.3	2.5	2	0.4	3.4	2	0.4	5.6	2	1.8	5.5	
	22	1	0.3	2.5	2	0.4	3.3	2	0.3	5.8	2	1.8	5.5	
	23	1	0.4	3.0	2	0.4	3.5	2	0.4	5.6	2	1.9	5.8	
18	0	1	0.5	3.0	2	0.4	3.4	2	0.4	5.5	2	1.7	5.3	
	1	1	0.3	2.6	2	0.5	4.0	2	0.4	5.8	2	1.6	5.0	
	2	1	0.7	3.0	2	0.5	4.0	2	0.3	6.0	2	1.7	5.1	
	3	1	0.7	3.0	2	0.5	4.0	...			2	1.7	5.2	Earthquake
	4	1	0.7	3.0	2	0.4	3.5	2	0.4	5.5	2	1.5	4.8	
	5	1	0.7	3.0	2	0.4	3.5	2	0.3	6.0	2	1.6	4.8	
	6	1	0.7	3.0	2	0.4	3.5	2	0.3	5.8	2	1.5	4.9	
	7	1	0.7	3.0	2	0.4	3.5	2	0.4	5.6	2	1.6	4.9	
	8	1	0.5	3.0	2	0.4	3.5	2	0.4	5.7	2	1.8	4.8	
	9	1	0.5	3.0	2	0.4	3.5	2	0.3	6.0	2	1.3	4.3	
	10	1	0.4	3.0	2	0.4	3.5	2	0.4	5.5	2	1.8	4.8	
	11	1	0.4	3.0	2	0.4	3.5	2	0.4	5.9	2	2.0	4.9	
	12	1	0.5	3.0	2	0.5	3.4	2	0.4	5.8	2	1.6	4.7	
	13	1	0.4	3.0	2	0.4	3.6	2	0.4	5.9	2	1.5	4.5	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 18	14	1	0.7	3.5	2	0.4	3.6	2	0.4	6.0	2	
	15	1	0.6	3.2	2	0.4	3.6	2	0.3	6.0	2	1.5	4.6	
	16	1	0.7	3.5	2	0.5	4.0	...			3	1.6	5.0	Record change
	17	2	0.8	3.5	2	0.5	4.0	2	0.4	6.0	0,0			
	18	2	0.4	3.0	2	0.6	4.0	2	0.4	5.9	0,0			
	19	2	1.1	4.0	2	0.4	4.0	2	0.5	5.8	0,0			
	20	1	0.4	3.0	2	0.4	4.0	2	0.4	6.0	0,0			
	21	1	0.7	3.5	2	0.4	4.0	2	0.4	5.8	0,0			
	22	1	0.4	3.3	2	0.4	4.0	...			0,0			Earthquake
	23	1	0.4	3.1	2	0.4	4.0	2	0.4	5.8	0,0			
19	0	1	0.4	3.1	2	0.6	4.2	2	0.5	5.7	0,0			
	1	1	0.5	3.1	2	0.4	4.0	2	0.4	5.9	0,0			
	2	1	0.3	3.0	2	0.4	4.0	2	0.4	6.0	0,0			
	3	1	0.3	3.0	2	0.4	4.0	2	0.4	5.9	0,0			
	4	1	0.3	3.0	2	0.4	4.0	2	0.4	5.6	0,0			
	5	1	0.5	3.0	2	0.4	4.0	...			0,0			Earthquake
	6	2	0.2	3.0	2	0.4	4.0	2	0.4	5.6	0,0			
	7	2	0.2	3.0	2	0.4	4.0	2	0.4	5.6	0,0			
	8	2	0.2	3.0	2	0.4	4.0	2	0.4	5.8	0,0			
	9	2	0.2	3.0	2	0.4	4.0	2	0.5	5.6	0,0			
	10	2	0.2	3.0	2	0.4	4.0	2	0.5	5.8	0,0			
	11	2	0.2	3.0	2	0.4	4.0	2	0.4	5.8	0,0			
	12	2	0.2	3.0	2	0.4	4.1	2	0.5	5.8	0,0			
	13	2	0.2	3.0	2	0.4	4.0	2	0.5	5.9	0,0			
	14	2	0.2	3.0	2	0.4	4.0	2	0.6	5.8	0,0			
	15	2	0.2	3.0	2	0.4	4.0	2	0.5	5.9	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 19	16	2	0.2	3.0	2	0.4	4.0	...			0,0	
	17	2	0.2	3.0	2	0.2	4.0	2	0.4	6.1	0,0			
	18	2	0.2	3.0	2	0.3	2.8	2	0.6	5.8	0,0			
	19	2	0.2	3.0	2	0.3	2.8	2	0.7	6.0	0,0			
	20	2	0.2	3.0	2	0.3	2.8	2	0.7	5.9	0,0			
	21	2	0.2	3.0	2	0.3	3.0	2	0.6	6.1	0,0			
	22	2	0.2	3.0	2	0.3	3.3	2	0.6	6.0	0,0			
	23	2	0.2	3.0	2	0.4	4.0	2	0.8	5.9	0,0			
20	0	2	0.2	3.0	2	0.6	4.0	2	0.7	6.0	2	1.4	5.0	
	1	2	0.3	3.0	2	0.6	4.0	2	0.7	6.2	2	1.6	5.1	
	2	2	0.3	3.0	2	0.6	4.0	2	0.8	6.0	2	1.8	5.2	
	3	2	0.3	3.0	2	0.7	4.4	2	0.7	6.0	2	2.2	5.7	
	4	2	0.3	3.0	2	0.7	4.4	2	0.7	6.0	2	2.1	5.4	
	5	2	0.3	3.0	2	0.7	4.4	2	0.7	6.1	2	2.2	6.0	
	6	2	0.5	3.0	2	0.9	4.4	2	0.7	6.2	2	2.5	5.9	
	7	2	0.5	3.0	2	0.5	4.0	2	0.7	6.0	2	2.8	6.4	
	8	2	0.5	3.0	2	0.8	5.0	2	0.6	6.0	2	2.9	6.4	
	9	2	0.5	3.0	2	0.9	5.0	2	0.7	6.1	2	2.0	6.0	
	10	2	0.3	3.0	2	0.7	5.0	2	0.6	6.3	2	2.0	6.0	
	11	2	0.3	3.0	2	0.6	4.0	2	0.7	6.4	2	2.0	6.4	
	12	2	0.3	3.0	2	0.6	4.0	...			2	2.0	6.4	
	13	2	0.3	3.0	2	0.6	4.0	...			2	1.8	6.0	
	14	2	0.3	3.0	2	0.6	4.0	3	0.7	6.7	2	2.2	6.0	
	15	2	0.3	3.0	2	0.6	4.0	3	0.8	7.1	2	2.1	6.3	
	16	2	0.3	3.0	2	0.6	4.0	...			3	1.3	4.0	
	17	2	0.3	3.0	2	0.6	4.0	3	0.7	6.9	...			

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 20	18	2	0.3	3.0	2	0.7	3.7	3	0.9	6.7	0,0	
	19	2	0.3	3.0	2	0.6	4.0	3	0.8	6.7	0,0			
	20	2	0.3	3.0	2	0.5	4.0	1	1.0	6.6	0,0			
	21	2	0.3	3.0	2	0.5	4.0	1	0.8	6.5	0,0			
	22	2	0.3	3.0	2	0.5	4.0	1	1.1	6.6	0,0			
	23	2	0.3	3.0	2	0.5	4.0	1	0.9	6.6	3	1.6	6.0	
21	0	2	0.3	3.0	2	0.6	3.9	1	0.9	6.3	0,0			
	1	2	0.3	3.0	2	0.6	3.8	1	0.8	6.2	0,0			
	2	2	0.3	3.0	2	0.6	3.8	1	0.7	6.2	0,0			
	3	2	0.3	3.0	2	0.5	3.6	1	0.6	6.0	0,0			
	4	2	0.3	3.0	2	0.6	4.0	1	0.6	6.0	0,0			
	5	2	0.3	3.0	2	0.6	4.0	1	0.7	5.8	0,0			
	6	2	0.3	3.0	2	0.6	4.0	2	0.5	6.3	0,0			
	7	2	0.3	3.0	2	0.6	4.0	2	0.5	5.9	0,0			
	8	2	0.3	3.0	2	0.6	4.0	2	0.5	5.9	0,0			
	9	2	0.3	3.0	2	0.6	4.0	2	0.6	5.8	0,0			
	10	2	0.3	3.0	2	0.6	4.0	2	0.5	5.7	0,0			
	11	2	0.3	3.0	2	0.6	4.0	2	0.5	6.4	0,0			
	12	2	0.3	3.0	2	0.6	4.0	2	0.4	6.4	0,0			
	13	2	0.3	3.0	2	0.6	4.0	2	0.5	6.1	0,0			
	14	2	0.3	3.0	2	0.6	4.0	2	0.4	6.4	0,0			
	15	2	0.3	3.0	2	0.6	4.0	2	0.5	6.3	0,0			
	16	2	0.5	3.0	2	0.6	4.3	2	0.5	6.5	0,0			
	17	2	0.5	3.0	2	0.7	4.3	2	0.6	6.7	0,0			
	18	2	0.3	3.0	2	0.7	4.3	2	0.5	6.4	0,0			
	19	2	0.5	3.0	2	0.7	4.1	2	0.6	6.6	0,0			

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 21	20	2	0.5	3.0	2	0.7	4.1	...			0,0	
	21	2	0.5	3.0	2	0.8	4.1	1	0.6	6.5	0,0			
	22	2	0.5	3.0	2	0.8	4.1	1	0.6	6.8	0,0			
	23	2	0.5	3.0	2	0.8	4.1	1	0.6	6.6	0,0			
22	0	2	0.5	3.0	2	0.8	4.1	1	0.7	6.5	0,0			
	1	2	0.5	3.0	2	0.8	4.1	1	0.7	6.2	2	1.8	6.5	
	2	2	0.3	2.5	2	0.9	4.1	1	0.8	6.4	2	1.9	7.0	
	3	2	0.3	2.5	2	0.9	4.2	1	0.7	6.7	2	1.6	6.5	
	4	2	0.3	2.1	2	0.8	4.2	1	0.7	6.3	2	1.6	6.5	
	5	2	0.4	2.5	2	0.8	4.0	1	0.7	6.4	2	1.9	7.0	
	6	2	0.7	3.0	2	0.8	4.0	1	0.7	6.4	...			
	7	2	0.3	2.4	2	0.8	4.0	1	0.8	6.2	2	2.1	7.0	
	8	2	0.3	2.5	2	0.8	4.0	1	0.7	6.4	2	1.8	6.5	
	9	2	0.6	3.0	2	0.7	4.0	1	0.7	6.6	2	1.9	7.0	
	10	2	0.6	3.0	2	0.7	4.0	1	0.6	6.2	2	1.9	6.0	
	11	2	0.7	3.0	2	0.7	4.0	1	0.7	6.7	2	2.9	6.8	
	12	2	0.7	3.0	2	0.7	4.0	1	0.7	6.4	2	1.6	6.5	
	13	2	0.7	3.0	2	0.7	4.0	1	0.5	6.4	2	1.9	6.7	
	14	1	0.7	3.0	2	0.7	4.0	1	0.6	6.9	2	2.5	7.5	
	15	1	0.7	3.0	2	0.7	3.6	1	0.6	6.1	2	2.1	6.5	
	16	1	0.7	3.0	2	0.6	3.7	...			2	2.2	6.8	Record change
	17	1	0.7	3.0	2	0.7	4.0	1	0.5	6.3	2	1.9	7.0	
	18	1	0.7	3.0	2	0.7	4.0	2	0.5	6.1	2	2.2	7.0	
	19	1	0.7	3.0	2	0.8	4.0	2	0.6	6.2	2	1.9	6.8	
	20	1	0.8	3.0	2	0.9	4.0	2	0.6	5.7	2	1.7	5.0	
	21	1	0.8	3.0	2	0.9	3.7	2	0.5	5.6	2	1.5	4.7	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 22	22	1	0.9	3.0	2	0.9	3.8	2	0.7	5.8	2	
	23	1	0.9	3.0	2	0.8	4.0	2	0.6	5.8	2	2.0	5.0	
23	0	1	0.9	3.0	2	0.9	4.0	2	0.7	5.5	2	2.0	5.1	
	1	1	1.3	3.5	2	0.9	4.0	2	0.8	5.6	2	1.9	4.8	
	2	1	1.3	3.5	2	0.9	4.0	2	0.5	5.6	2	2.0	4.9	
	3	1	1.4	3.5	2	0.7	4.0	2	0.8	5.6	2	2.0	5.1	
	4	1	1.4	3.5	1	0.7	4.0	2	0.7	5.6	2	1.9	5.2	
	5	1	2.2	4.0	2	0.8	4.0	2	0.6	5.5	2	1.9	5.3	
	6	1	2.2	4.0	1	0.9	4.0	2	0.6	5.8	2	2.6	5.2	
	7	1	2.2	4.0	1	0.9	4.0	2	0.6	6.0	2	3.2	5.6	
	8	1	2.2	4.0	1	0.9	4.0	2	0.7	5.9	2	3.2	5.5	
	9	1	2.1	4.0	1	1.0	4.0	2	0.8	5.2	2	3.4	5.7	
	10	1	1.4	4.0	1	1.1	4.5	2	0.7	5.4	2	3.2	5.4	
	11	1	1.8	4.0	1	0.9	4.7	2	1.0	5.2	2	3.0	5.7	
	12	1	1.8	4.0	1	1.4	4.6	2	0.8	5.4	2	3.8	5.7	
	13	1	1.8	4.0	1	1.4	5.0	...			2	3.3	5.5	
	14	1	2.3	4.3	1	1.5	5.0	2	0.8	5.6	2	4.0	5.9	
	15	1	2.3	4.3	1	1.8	5.0	2	1.0	5.5	2	3.2	5.3	
	16	1	2.5	4.5	1	2.0	5.1	2	0.9	5.6	2	3.1	5.8	
	17	1	1.7	4.3	1	1.5	5.0	2	1.1	5.7	2	3.6	5.7	
	18	1	1.7	4.3	1	1.8	5.0	2	0.9	5.7	2	4.0	5.9	
	19	1	2.5	4.5	1	2.1	5.0	2	0.9	5.6	2	3.9	5.8	
	20	1	2.5	4.5	1	2.8	5.0	2	0.9	5.6	2	3.2	5.3	
	21	1	3.8	5.0	1	2.4	5.0	2	0.9	5.6	2	2.6	5.9	
	22	1	1.7	4.7	1	1.5	5.0	2	0.8	5.6	2	2.3	5.5	
	23	1	2.5	5.0	1	1.5	5.0	2	0.8	5.6	2	2.9	5.6	

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 23	23	1	2.5	5.0	1	1.5	5.0	2	0.8	5.6	2	
24	0	1	1.7	4.7	1	1.6	5.0	2	0.7	5.5	2	2.1	5.4	
	1	1	2.5	5.0	1	1.5	5.0	2	0.6	5.2	2	2.6	5.8	
	2	1	2.2	5.0	1	1.9	5.4	2	0.7	5.5	2	2.3	5.4	
	3	1	2.5	5.0	1	1.9	5.4	2	0.7	5.2	1	1.9	5.5	
	4	1	1.7	5.0	1	1.9	5.5	2	0.7	5.3	1	1.8	5.0	
	5	1	1.7	5.0	1	1.6	5.3	2	0.5	5.1	3	1.9	5.4	
	6	1	1.8	5.0	1	1.4	5.0	2	0.6	5.3	3	2.2	5.4	
	7	1	2.5	5.0	1	1.5	5.1	2	0.6	5.3	3	1.7	5.0	
	8	1	2.0	5.0	1	1.6	5.1	2	0.5	5.4	3	1.9	5.0	
	9	1	1.7	5.0	1	1.3	5.2	2	0.6	5.1	3	2.0	5.5	
	10	1	2.2	5.0	1	1.5	5.1	2	0.6	5.5	3	2.0	4.9	
	11	1	1.7	5.0	2	1.3	5.0	2	0.5	5.4	2	2.0	4.9	
	12	1	1.3	4.5	2	1.1	5.0	2	0.6	5.4	2	2.2	4.8	
	13	1	1.3	4.5	2	1.0	5.0	2	0.6	5.3	2	2.0	5.0	
	14	1	1.3	4.5	2	1.3	5.0	2	0.6	5.6	2	2.2	4.8	Halifax - storm end
	15	1	1.2	4.3	2	1.1	5.0	2	0.6	5.2	2	2.4	4.9	
	16	2	1.3	4.5	2	1.2	5.2	...			2	2.7	5.2	Paper change
	17	2	0.9	4.0	2	1.2	5.1	2	0.5	5.7	2	2.6	5.1	
	18	2	0.9	4.0	2	0.9	4.4	2	0.7	5.5	2	2.7	5.0	
	19	2	0.9	4.0	2	1.0	4.9	2	0.6	5.7	2	2.5	5.0	
	20	2	0.9	4.0	2	0.9	4.5	2	0.6	5.7	2	2.4	5.2	
	21	2	1.2	4.0	2	0.9	4.5	2	0.6	5.8	2	2.3	5.4	
	22	2	0.8	4.0	2	0.9	4.4	2	0.6	5.8	3	2.0	4.7	
	23	2	0.8	4.0	2	0.7	4.3	2	0.5	5.8	3	2.1	5.1	
25	0	2	0.7	4.0	2	0.7	4.3	2	0.5	5.5	3	2.1	5.0	

DOMINION OBSERVATORIES

DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
		December 25	6	2	0.7	4.0	2	0.6	4.0	2	0.5	5.8	3	
	12	2	0.8	3.9	1	1.0	4.0	2	0.8	6.0	0,0			
	18	2	1.4	4.0	1	1.2	4.0	...			0,0			Earthquake
26	0	1	0.5	3.0	2	1.0	4.0	3	0.7	6.4	2	2.1	4.9	
	6	1	0.7	3.2	2	0.8	4.2	3	0.7	6.2	2	2.6	5.0	
	12	1	0.8	3.5	2	0.7	4.2	3	0.7	5.9	2	3.0	5.2	
	18	1	0.9	4.0	2	0.7	4.2	2	0.6	5.9	2	2.8	5.9	
27	0	1	0.4	3.0	2	0.6	4.0	2	0.6	5.8	3	2.2	5.6	
	3				1	0.8	3.5							Ottawa - storm start
	6	2	0.6	3.0	1	1.2	3.7	2	0.5	5.3	3	1.9	6.0	Halifax - storm start
	9	2	0.7	3.0	1	1.5	3.8							
	12	2	0.9	3.0	1	1.7	4.0	2	0.5	5.3	3	1.1	4.0	
	15	2	1.1	3.3	1	1.6	3.9							
	18	2	1.1	3.0	1	1.4	3.7	2	0.7	5.7	3	2.2	5.0	
	21	...			1	1.5	4.3							
28	0	2	0.8	2.6	1	1.7	4.3	2	0.6	5.8	3	1.6	5.0	
	3	2	1.3	3.0	1	1.5	4.3							
	6	2	1.3	3.2	1	1.4	4.3	2	0.8	5.8	3	1.5	6.0	
	9	2	1.6	3.2	1	1.4	4.2							
	12	2	1.5	3.7	2	1.1	4.1	2	0.7	5.9	3	1.7	6.0	
	15	2	1.5	3.7	...									Earthquake
	18	2	1.1	3.6	...			2	0.7	5.7	3	2.3	6.0	Ottawa - storm end
29	0	1	0.9	4.0	...			2	0.7	5.8	3	2.7	6.0	Halifax - storm end
	3							3	0.7	6.2				Resolute - storm start
	6	1	0.7	3.5	2	0.5	3.5	3	0.8	7.4	3	1.9	5.0	
	9							3	1.0	6.9				

I. G. Y. MICROSEISMIC BULLETIN



DATE	H O U R	HALIFAX			OTTAWA			RESOLUTE			VICTORIA			REMARKS
		K	A	T	K	A	T	K	A	T	K	A	T	
December 29	12	1	0.7	3.5	2	0.5	4.0	3	1.1	7.3	3	2.3	7.0	
	15							3	1.1	7.7				
	18	1	0.5	3.7	2	0.7	4.0	3	1.1	7.5	2	1.9	6.0	
	21							3	1.1	7.4				
30	0	1	0.3	2.5	2	0.6	3.7	3	0.8	7.2	3	2.0	6.5	Resolute - storm end
	6	1	0.3	2.5	2	0.7	4.0	3	0.7	6.4	3	2.2	7.0	
	12	2	0.3	2.7	2	0.7	4.0	3	0.5	6.8		1.5	6.0	
	18	2	0.3	2.5	2	0.7	4.0	3	0.5	5.8	0,0			
31	0	2	0.2	2.2	2	0.6	4.1	3	0.5	5.8	0,0			
	6	2	0.1	2.0	2	0.7	4.5	3	0.5	6.3	0,0			
	12	2	0.1	2.5	2	0.7	4.5	3	0.5	6.0	0,0			
	18	2	0.1	2.0	...			3	0.6	6.2	0,0			

DOMINION OBSERVATORIES