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SEISMOLOGICAL SERIES of the DOMINION OBSERVATORY

1962-1

Seismological Bulletin

January - March

1962

**Seismological Service
of Canada**

OTTAWA, CANADA

Department of Mines and Technical Surveys

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DOMINION OBSERVATORIES
1963

SEISMOLOGICAL BULLETIN - 1962

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

Alert, N.W.T. -

Owned and operated by the Dominion Observatory.
W.R. Darker in charge.

Halifax, Nova Scotia -

Operated by Dalhousie University for the Dominion Observatory.

London, Ontario -

Operated by The University of Western Ontario for the Dominion Observatory.

Mould Bay, N.W.T. -

Owned and operated by the Dominion Observatory.
P.W. Basham in charge.

Resolute, N.W.T. -

Owned and operated by the Dominion Observatory.
C.H. McCloughan in charge.

Seven Falls, Quebec -

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

Shawinigan Falls, Quebec -

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

Local earthquakes are interpreted by means of travel-time curves based on rockburst studies. (See J.H. Hodgson, Publications of the Dominion Observatory, XVI, Nos. 5 and 6.)

DOMINION OBSERVATORIES

Western Division

Alberni, British Columbia -

Owned and operated by the Dominion Observatory.
W.N. Burgess in charge.

Banff, Alberta -

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

Penticton -

Owned and operated by the Dominion Observatory.
W.H. McNaughton in charge.

Victoria, British Columbia -

Dominion Astrophysical Observatory, Department of Mines and Technical Surveys, R.R. #7, Victoria, B.C.

Local earthquakes are interpreted by means of travel-time curves based on blast studies. (See W.G. Milne and W.R.H. White, Publications of the Dominion Observatories, XXIV, No. 7.) Records for all stations of the Seismological Service of Canada are stored on microfilm in Ottawa. Positive microfilm copies, or full-scale prints, will be sent on request. Beginning in 1960 records of the station at Brebeuf College, Montreal, are included in the microfilm file through the courtesy of M. Buist, S.J., Director.

Magnification curves for the various instruments operated at the above stations will be found on the following pages.

John H. Hodgson,
Chief, Division of Seismology.

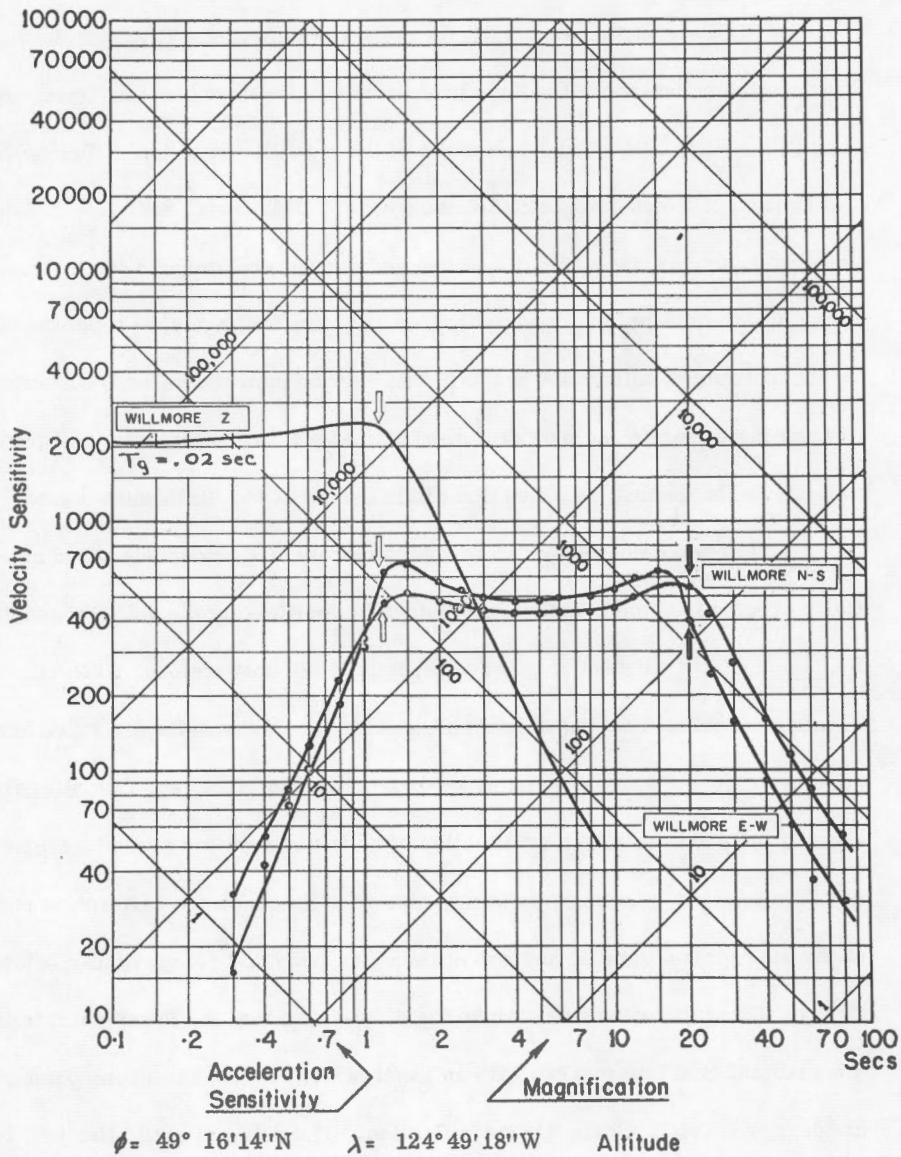
SEISMOLOGICAL BULLETIN - 1962

Explanation of Calibration Curves

Calibration curves for all the seismographs of the Canadian network have now been determined using a bridge circuit developed by this Observatory (see P. L. Willmore, "The Application of the Maxwell Impedance Bridge to the Calibration of Electromagnetic Seismographs", Bull. Seis. Soc. Am., Volume 49, No. 1, pp. 99-114, 1959.) Estimated curves are included for the instruments which have not yet been calibrated, and are distinguished from the others by the absence of calibration points. The curves 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 $\frac{\pi^2}{2}T$ respectively. To facilitate these conversions, 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.

CALIBRATION CURVES
STATION: ALBERNI



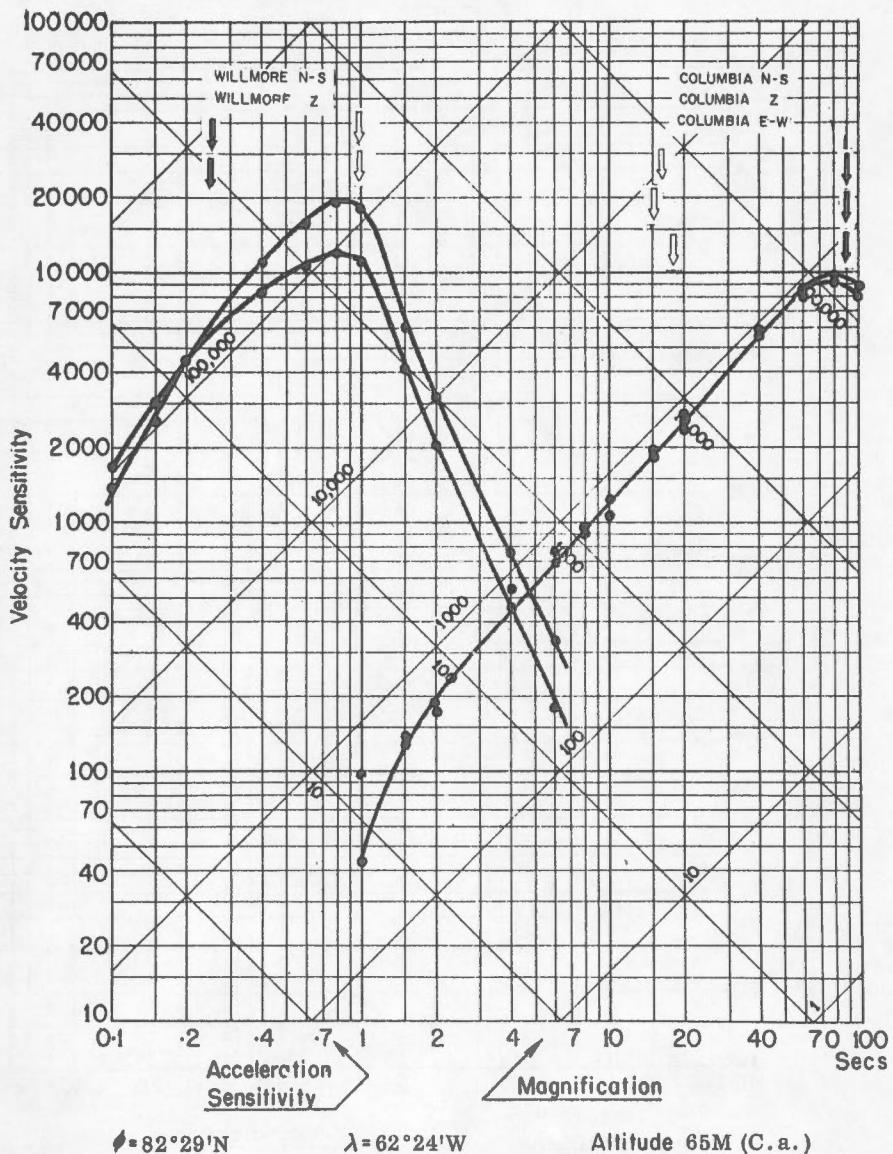
Foundation : Basic volcanic rock

$T_s \triangleleft$

$T_g \triangleleft$

Date of Calibration: July 9 1957

STATION: ALERT



Foundation : Permanently frozen glacial debris overlying Palaeozoic limestone.

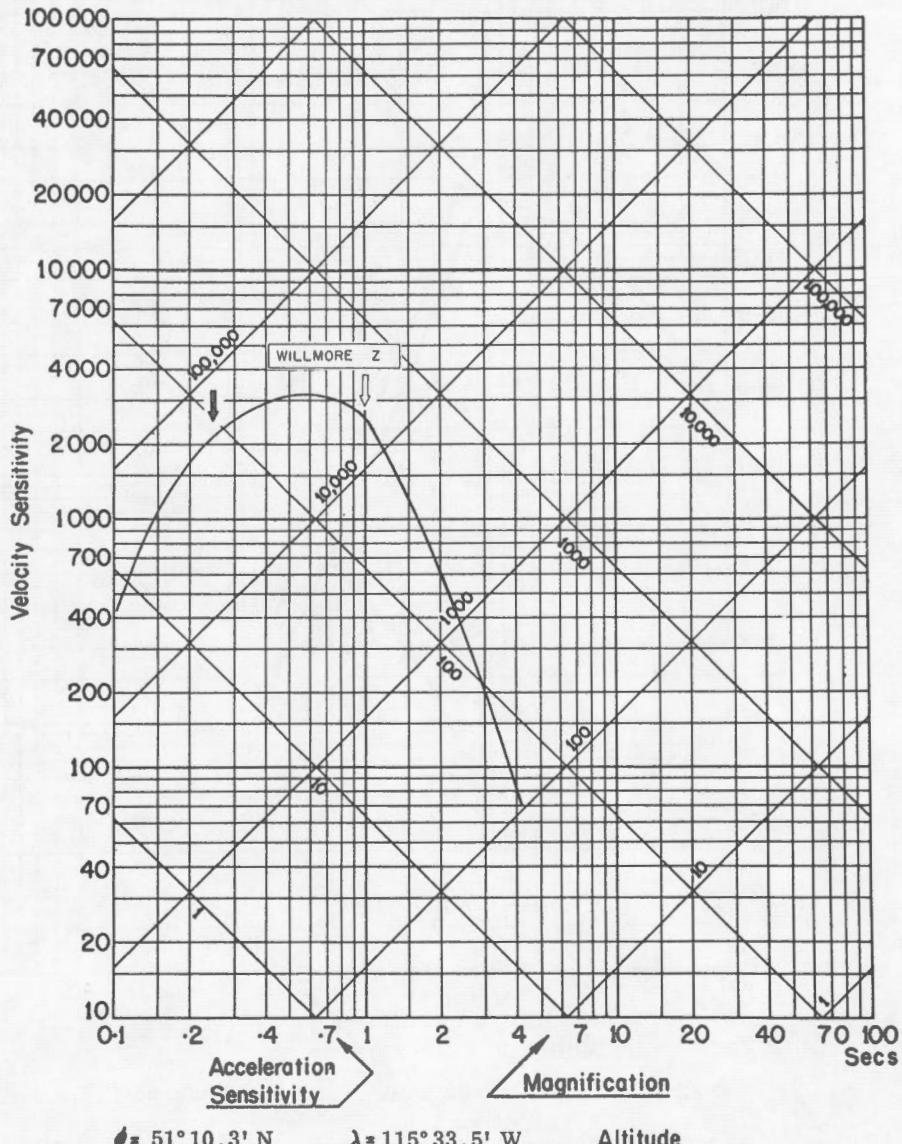
$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: 1961

WILLMORE'S		COLUMBIA'S
S. P. -Z	SEPT. - 29	L. P. -Z.
S. P. H. - N. S.	SEPT. - 29	'L. P. H. - N. S.
S. P. H. - E. W.		OCT. - 2
		L. P. H. - E. W. OCT. - 1

STATION : BANFF



$\phi = 51^{\circ} 10.3' \text{ N}$

$\lambda = 115^{\circ} 33.5' \text{ W}$

Altitude

Foundation : Bedrock

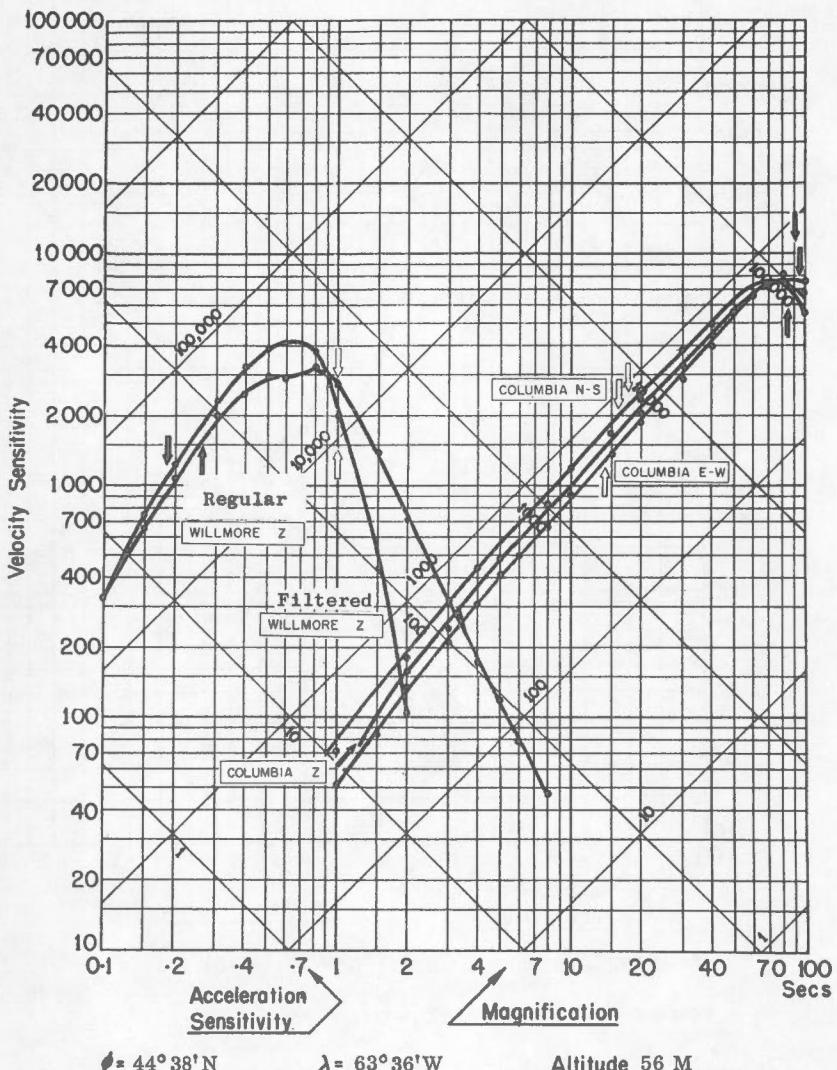
$T_s \uparrow$

$T_g \uparrow$

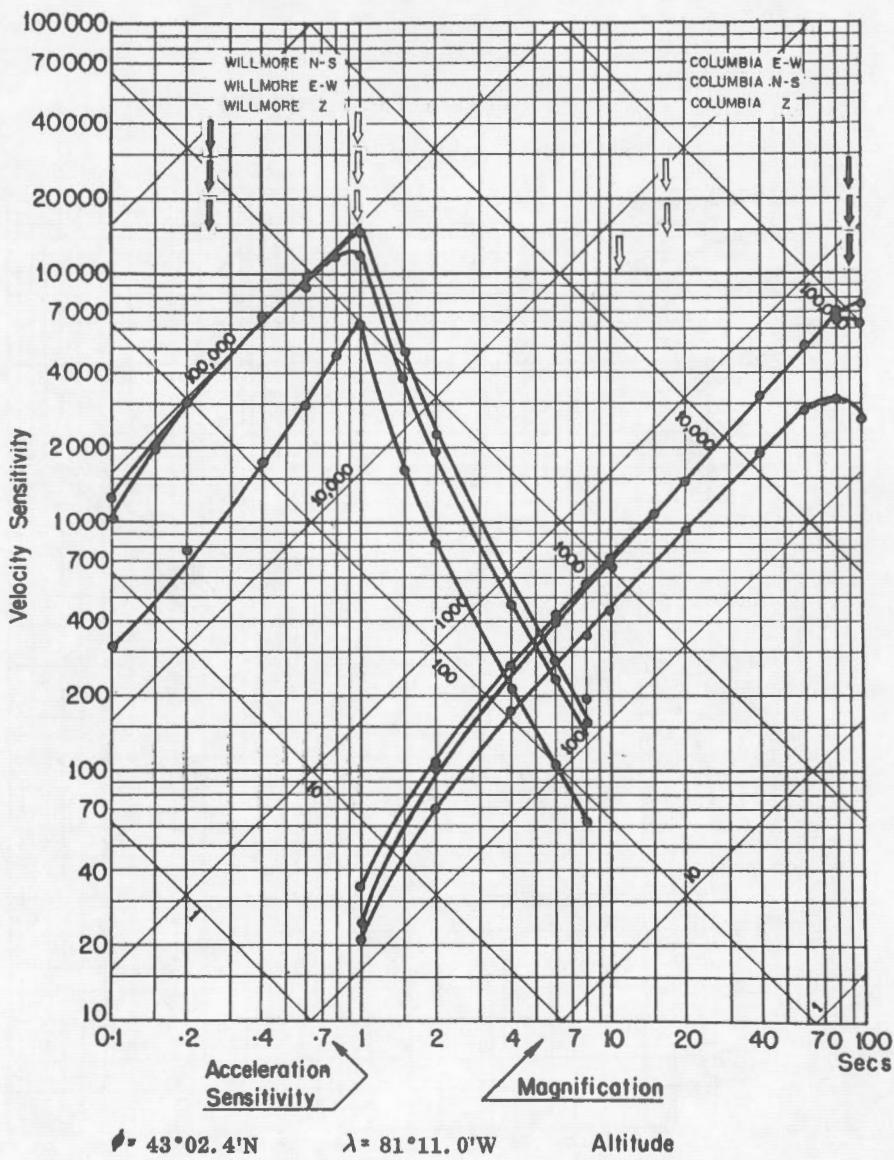
Date of Calibration: Estimated Curve

CALIBRATION CURVES

STATION: HALIFAX



STATION: LONDON



$T_s \downarrow$

$T_g \uparrow$

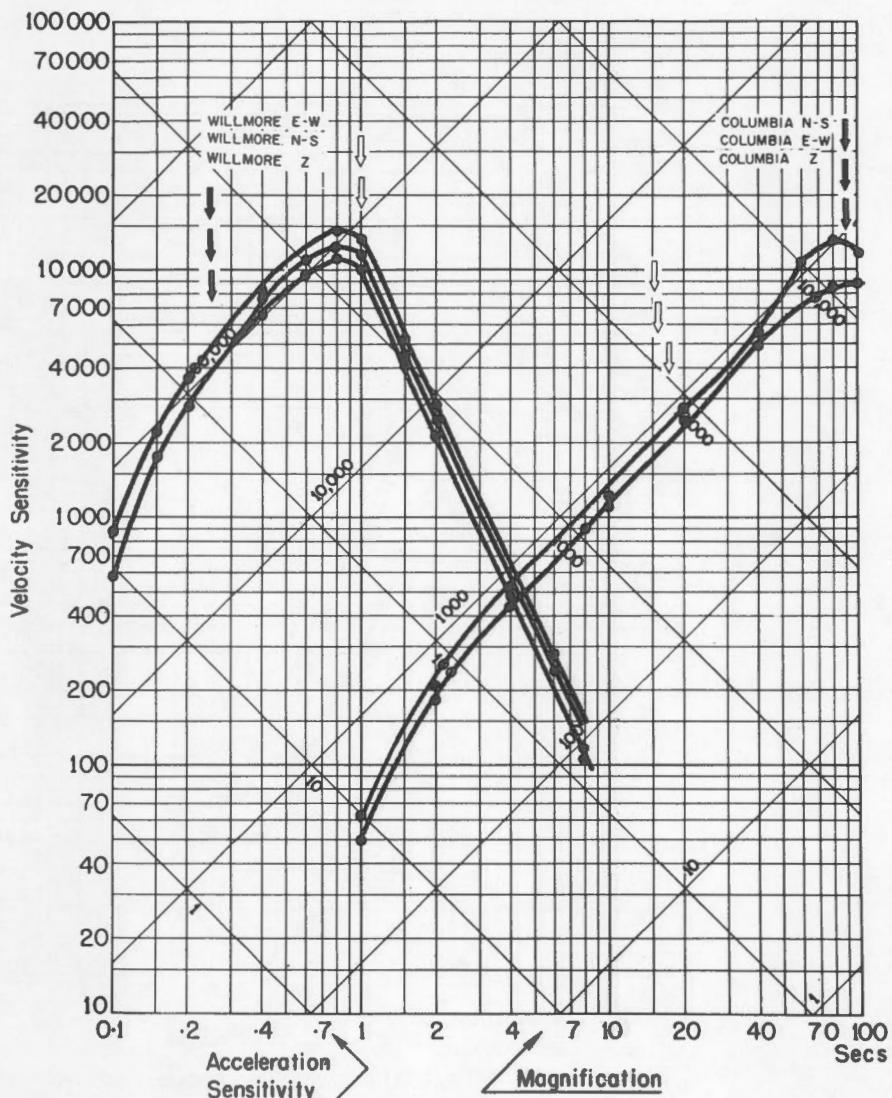
Date of Calibration: 1961

WILLMORE'S

COLUMBIA'S

S.P. -Z	DEC. - 14	L.P. -Z	DEC. - 13
S.P.H. - N.S.	DEC. - 11	S.P.H. - N.S.	DEC. - 12
S.P.H. - E.W.	DEC. - 11	S.P.H. - E.W.	DEC. - 13

STATION: MOULD BAY, N.W.T.



Foundation : Regolith and Solifluxion deposits overlying Devonian sandstone.

(Permafrost)

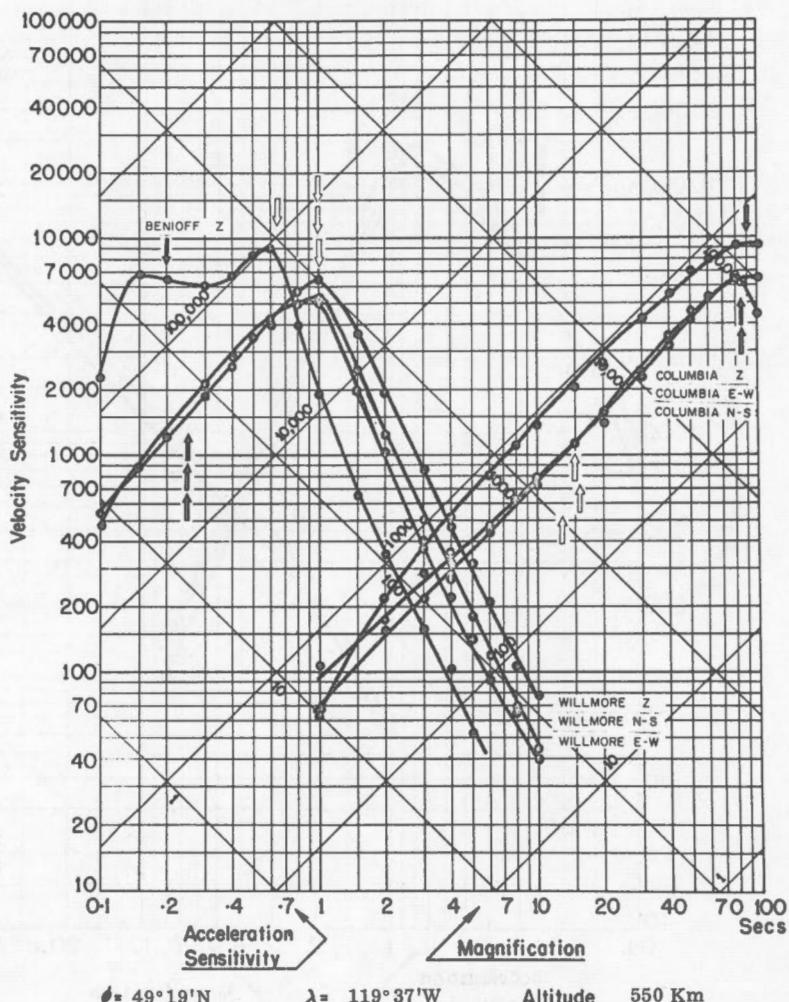
$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: At Ottawa
JUNE 1961

CALIBRATION CURVES

STATION: PENTICTON



$T_s \downarrow$

$T_g \uparrow$

Date of Calibration: Feb. 1961

Willmore's

S. P. -Z Feb-20
S. P. H. -N. S. Feb-20
S. P. H. -E. W. Feb-20

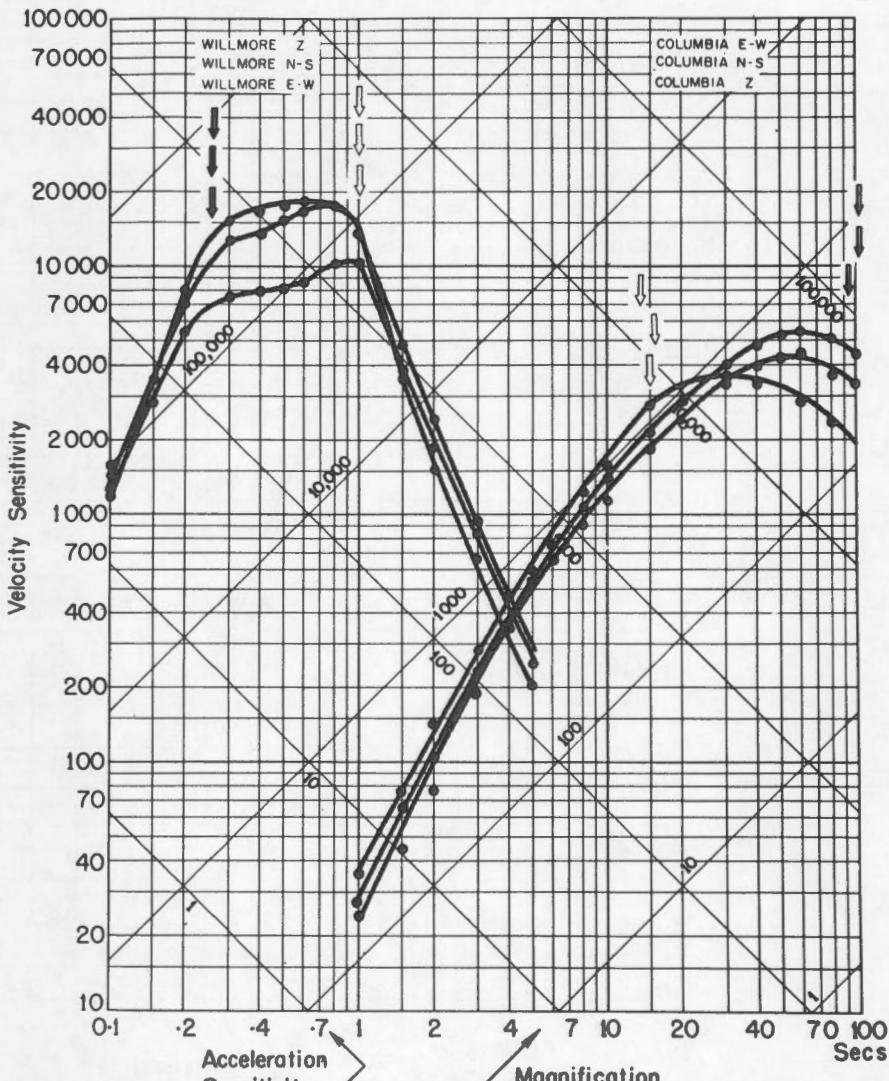
Benioff

S. P. -Z. Feb-19

Columbia's

L. P. -Z Feb-19
L. P. H. - N. S. Feb-18
L. P. H. - E. W. Feb-18

STATION: RESOLUTE, N.W.T.



Foundation : Early Palaeozoic limestone

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: 1958-59

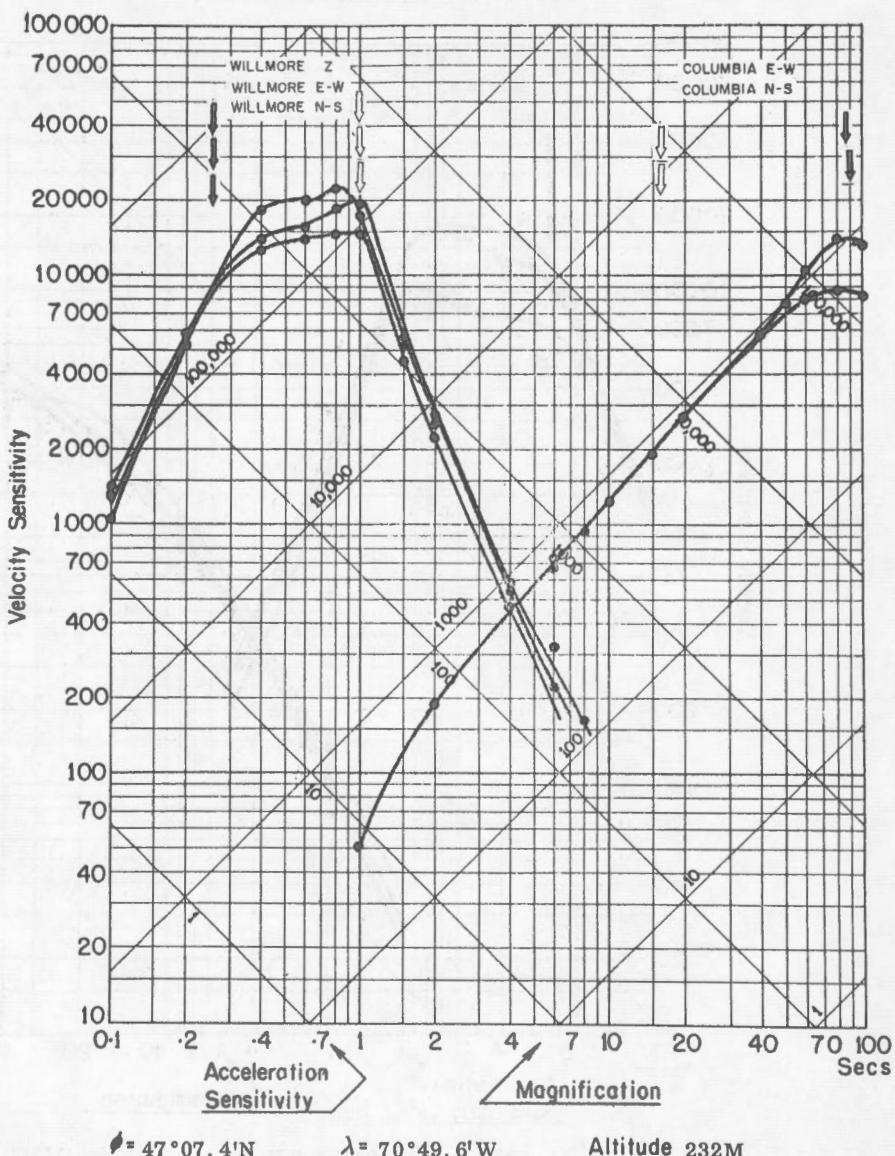
WILLMORES

S.P.Z. AUG. 18
S.P.H.-N.S. AUG. 18
S.P.H.-E.W. JAN. 27

COLUMBIAS

L.P.Z. SEPT. 17
L.P.H.-N.S. SEPT. 15
L.P.H.-E.W. SEPT. 15

STATION: SEVEN FALLS



Foundation : Precambrian basement rocks.

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: Feb. 1962

WILLMORE'S

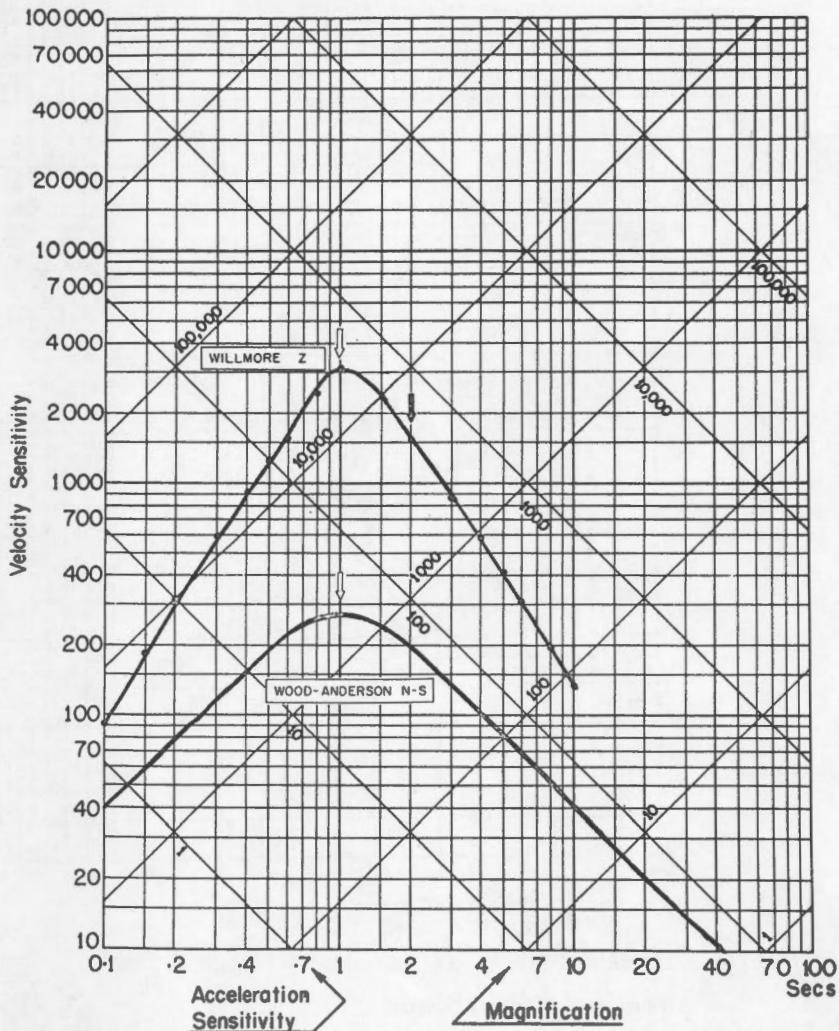
S.P. -Z. FEB. - 6
S.P.H. - N.S. FEB. - 7
S.P.H. - E.W. FEB. - 7

COLUMBIA'S

L.P. -Z.
L.P.H. - N.S. FEB. - 7
L.P.H. - E.W. FEB. - 8

CALIBRATION CURVES

STATION: SHAWINIGAN FALLS

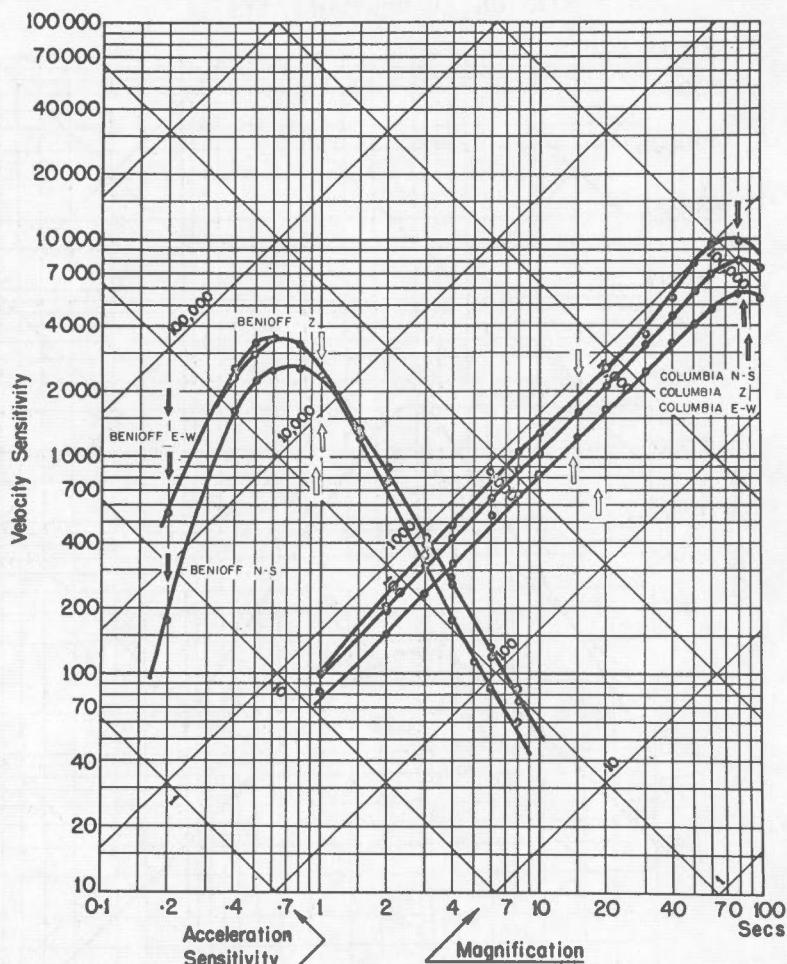


Date of Calibration: November 6, 1959

Read from end of minute mark.

CALIBRATION CURVES

STATION: VICTORIA (Revised)



$\phi = 48^\circ 31' 10'' N$ $\lambda = 123^\circ 24' 55'' W$ Altitude 197 M

Foundation: Quartz Diorite

$T_s \uparrow$

$T_g \uparrow$

Date of Calibration: February - March - 1961

Benioff's

Columbia's

S.P.Z.	Feb. 9	L.P.Z.	Mar. 22
S.P.H. - N.S.	Feb. 10	L.P.H. - N.S.	Mar. 3
S.P.H. - E.W.	Feb. 13	L.P.H. - E.W.	Mar. 2

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NOTES

1. Halifax June 17, 1960, to July 25, 1962, uptrace indicates dilatation of ground on the Columbia LPZ seismogram.
- October 31, 1960, to June 11, 1962, uptrace indicates ground motion east on the Columbia LP-EW seismogram. west
2. London December 7, 1961, to September 25, 1962, uptrace indicates dilatation of ground on the Willmore SPZ seismogram.
- Columbia LP-EW galvanometer suspension broken March 8. New Columbia LP-EW galvanometer installed March 20.
- Only a few seismic phases tabulated, due to inaccurate timing.
3. Ottawa Inoperative - new seismic vaults under construction.
4. Seven Falls February 6, 1962 - new seismographs in operation. See calibration curves page 12.

DOMINION OBSERVATORIES

JANUARY 1	JANUARY 1	Penticton
Mould Bay	U.S.C.G.S.	eP 23 47 45
P 00 43 17	51.9N, 177.7E	Resolute
	Rat Islands	eP 23 47 (55)
JANUARY 1	H = 10 17 05.6	i 23 48 00
U.S.C.G.S.	h = 58 km	S 23 54 00
52.3N, 177.9E	Alberni	Shawinigan Falls
Rat Islands	eP 10 24 01	eP 23 51 03
H = 02 41 06.0	Alert N.W.T.	Victoria
h = 26 km	iP 10 24 56 c	eP 23 47 28
Alberni	Banff	JANUARY 2
eP 02 48 05	eP 10 24 38	48.4N, 125.2W
Alert N.W.T.	Penticton	Strait of Juan de Fuca
iP 02 49 01 c	eP 10 24 25	H = 01 22 45
Mould Bay	Resolute	Mag 2.1
P 02 48 50	eP 10 24 38	Alberni
Penticton	JANUARY 1	eP ₁ 01 23 02.8
eP 02 48 31	Penticton	eS ₁ 01 23 16.2
Resolute	eP 12 28 54	D = 101 km
eP 02 48 42	JANUARY 1	Victoria
S 02 54 (52)	Penticton	eP ₁ 01 23 06.2
G 02 57 40	eP 13 34 16	eS ₁ 01 23 22.6
Shawinigan Falls	Resolute	D = 134 km
eP 02 51 44	e 13 35 30	JANUARY 2
Victoria	Victoria	U.S.C.G.S.
eP 02 48 14	eP 13 34 28	17.8S, 69.8W
JANUARY 1	JANUARY 1	Peru-Bolivia border
U.S.C.G.S.	Penticton	H = 05 23 38.2
39.2N, 141.6E	iP 17 23 38 c	h = 74 km
Honshu Japan	JANUARY 1	Halifax
H = 05 17 35.0	Penticton	iP 05 33 59.5 d
h = 25 km	Resolute	Penticton
Resolute	eP? 21 20 27	iP 05 35 45 c
iP 05 27 50	i 21 20 38	Resolute
JANUARY 1	JANUARY 1	eP 05 36 52
U.S.C.G.S.	U.S.C.G.S.	e 05 37 09
51.9N, 177.8E	52.4N, 177.7E	Shawinigan Falls
Rat Islands	Rat Islands	eP 05 34 11
H = 06 49 57.9	H = 23 40 20.3	Victoria
h = 59 km	h = 27 km	eP 05 35 52
Alert N.W.T.	Alberni	JANUARY 2
P 06 57 52	eP 23 47 22	Resolute
Penticton	Alert N.W.T.	eP? 08 09 11?
eP 06 57 20	P 23 48 15	JANUARY 2
Resolute	Banff	Resolute
eP 06 57 (30)	eP 23 48 00	eP 10 46 27
e 07 06 34		

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JANUARY 2	JANUARY 3	JANUARY 3
U.S.C.G.S. 80.0N, 24.3E	U.S.C.G.S. 18.7S, 71.0W	U.S.C.G.S. 52.2N, 177.5E
Svalbard region H = 12 22 58.7 h = 48 km	Near coast of Peru H = 06 53 16.2 h = 77 km	Rat Islands H = 17 53 05.3 h = 68 km
Alberni eP 12 31 50	Penticton iP 07 05 23	Alert N.W.T. iP 18 00 57 c
Alert N.W.T. iP 12 25 56 c	Shawinigan Falls eP 07 03 48	Resolute eP 18 00 38 d
Banff eP 12 31 27	JANUARY 3	Shawinigan Falls eP 18 03 41
Penticton eP 12 31 47	U.S.C.G.S. 21.7S, 170.0E	JANUARY 3
Resolute eP 12 27 53	Loyalty Islands H = 06 49 50.9 h = 120 km	Resolute eP 18 26 48
i 12 29 06	Shawinigan Falls eP' 07 08 41	JANUARY 3
S 12 31 55	JANUARY 3	Canadian Arctic H = 19 34 55.7
Victoria eP 12 31 55	Resolute eP 08 35 17	Mag 2.1
JANUARY 2	e 08 39 06?	Mould Bay iP ₁ 19 35 22
Resolute eP? 15 18 01?	JANUARY 3	iS ₁ 19 35 42
JANUARY 2	Resolute eP 09 14 49	D = 164 km
Canadian Arctic H = 17 55 30.7	i 09 14 54	JANUARY 3
Mag 1.6	JANUARY 3	Resolute eP 21 00 19
Resolute iP ₁ 17 56 02.0	Resolute eP 10 23 06?	JANUARY 3
iS ₁ 17 56 25.8	i 10 23 16	H = 23 57 25
D = 195 km	JANUARY 3	Mag 1.9
JANUARY 2	U.S.C.G.S. 19.3N, 145.3E	Penticton eP _n 23 57 50.0
Mariana Islands H = 19 03 06.5 h = 178 km	20.6S, 174.4W	iS _n 23 58 09.4
Resolute eP 19 14 55 d	Tonga Islands H = 11 20 53.5 h = 32 km	D = 159 km
JANUARY 2	Banff eP 11 33 44	JANUARY 3
Resolute eP 23 27 03	Penticton eP 11 33 29	U.S.C.G.S. 21.5S, 169.9E
	Shawinigan Falls e 11 43 52	Loyalty Islands H = 23 50 28.8
		h = 75 km
		Shawinigan Falls eP 24 09 23

DOMINION OBSERVATORIES

JANUARY 4	JANUARY 4	JANUARY 5
U.S.C.G.S. 35.1N, 138.9E	U.S.C.G.S. 24.6N, 121.9E	Penticton eP 05 20 57
Near coast of Honshu Japan H = 04 16 01.7 h = 178 km	Off coast of Formosa H = 21 24 54.5 h = 38 km	JANUARY 5 Penticton eP 06 54 48
Banff eP 04 27 09	Penticton eP 21 37 46	Victoria eP 06 54 31
Penticton iP 04 27 04	Resolute eP? 21 36 (50)	
Resolute eP 04 26 26 d	JANUARY 5 U.S.C.G.S. 15.5S, 177.7W	JANUARY 5 U.S.C.G.S. 15.5S, 172.5W
JANUARY 4 U.S.C.G.S. 33.9N, 135.2E	Fiji Islands Region H = 00 23 32.1 h = 24 km	Tonga Islands Region H = 08 08 07.5 h = 60 km
Near Shikoku Japan H = 04 35 42.6 h = 56 km Mag 6	Mag 6 1/4 Alberni eP 00 35 41	Banff eP 08 20 28
Alberni eP 04 46 57	Banff eP 00 36 11	Penticton eP 08 20 13
Alert N.W.T. P 04 46 11	Penticton eP 00 35 53	Victoria eP 08 19 56
Banff eP 04 47 20	Victoria eP 00 35 40	JANUARY 5 Mould Bay P 10 57 58
Penticton iP 04 47 13 c	JANUARY 5 H = 01 50 16	
Resolute eP 04 46 31 c	Mag 2.0 Alberni iP1 01 50 24.9	JANUARY 5 Mould Bay P 13 08 57
i 04 48 38		
is 04 55 22	is1 01 50 31.3	
Victoria eP 04 47 05 D	D = 52 km	
JANUARY 4 H = 21 12 27 Mag 1.6	JANUARY 5 U.S.C.G.S. 36.4N, 71.2E	JANUARY 5 Mould Bay P 13 19 02
Penticton eP1 21 12 50.0 es1 21 13 07.0	Hindu Kush H = 04 27 05.4 h = 182 km	JANUARY 5 Mould Bay P 13 33 45
D = 139 km	Mould Bay P 04 37 48	
	Shawinigan Falls eP 04 39 58	JANUARY 5 Mould Bay P 13 48 09

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JANUARY 5	JANUARY 6	Penticton
U.S.C.G.S. 1.6S, 100.0E	Alberni eP 01 07 58	iP 01 19 05 c
Near coast of Sumatra H = 14 01 41.7 h = 25 km	Penticton eP 01 08 50	Resolute eP 01 20 21 i 01 21 25
Penticton eP' 14 20 37	JANUARY 6 78.5°N ± 0.5°, 90.4°W ± 2.0°	Shawinigan Falls iP 01 23 01 c
JANUARY 5 H = 21 47 29 Mag 1.0	Near the Southern Tip of Axel Heiberg Island, N.W.T.	Victoria iP 01 18 46 c
Penticton iP ₁ 21 47 34.9 iS ₁ 21 47 39.1 D = 34 km	H = 04 24 19 h = 20 km Mag 3.9 Alert eP _n 04 25 50.0 i(S _n) 04 27 01.5 D = 702 km	JANUARY 7 U.S.C.G.S. 50.0N, 177.8E Rat Islands H = 01 30 34.5 h = 55 km Penticton eP 01 37 57
JANUARY 5 H = 23 43 08 Mag = 2.0	Mould Bay eP _n 04 25 54 i(S _n) 04 27 08 D = 735 km Resolute eP _n 04 25 17 iP ₁ 04 25 28 iS _n 04 26 00 i 04 26 15 D = 430 km	Shawinigan Falls eP 01 41 10 JANUARY 7 Resolute eP 08 50 (01)
JANUARY 5 82.8°N ± 0.5°, 90.9°W ± 2.0°	About 48 miles N.W. of Alert Pt., Ellesmere Island N.W.T. H = 23 56 27.6 h = 25 km Alert eP _n 23 57 24.0 iS _n 23 58 05 i 23 58 14 D = 430 km Mould Bay eP _n 23 58 24 (S _n) 23 59 53 D = 916 km Resolute eP _n 23 58 24 (S _n) 23 59 51 D = 916 km	JANUARY 6 Penticton iP 14 33 57
	JANUARY 7 U.S.C.G.S. 55.2N, 154.1W	JANUARY 7 U.S.C.G.S. 43.4N, 17.4E Yugoslavia H = 10 03 12.8 h = 32 km Alberni eP 10 15 33
	Near Kodiak Island H = 01 14 12.5 h = 27 km Alberni eP 01 18 33	Alert N.W.T. eP 10 11 31 Banff iP 10 15 06 c
	Alert N.W.T. iP 01 21 15 d	Penticton iP 10 15 24 c
	Banff eP 01 19 21	Resolute eP 10 12 37 Shawinigan Falls eP 10 13 20 Victoria eP 10 15 33 c

DOMINION OBSERVATORIES

JANUARY 7	Penticton iP 16 49 45	JANUARY 8	Mould Bay iP 10 56 41 d
Resolute eP 16 51 41		Dominican Republic H = 01 34 54.2 h = 53 km	Penticton iP 10 54 52 d
JANUARY 7	Penticton iP 19 36 48	Resolute eP 01 44 39	JANUARY 8
JANUARY 7	Penticton eP 23 25 48	JANUARY 8	U.S.C.G.S. 12.1N, 85.7W
JANUARY 7	Penticton eP 23 29 35	Dominican Republic H = 02 05 21.1 h = 50 km	Nicaragua H = 22 09 00.5 h = 104 km
JANUARY 8	U.S.C.G.S. 18.5N, 70.5W	Mould Bay P 02 15 45	Penticton eP 22 17 22
Near coast of Dominican Republic H = 01 00 24.2 h = 63 km Mag 6 1/2		Penticton eP 02 14 11	JANUARY 8
Alberni eP 01 09 39		Resolute e. 02 15 09	U.S.C.G.S. 36.5N, 70.9E
Alert N.W.T. P 01 10 54		i 02 15 18	Hindu Kush H = 22 25 11.1 h = 208 km
Banff eP 01 09 01		JANUARY 8	Alert N.W.T. P 22 34 51
Halifax eP 01 06 03 d		U.S.C.G.S. 24.2S, 177.7W	Mould Bay iP 22 35 46 c
Mould Bay P 01 10 46		Tonga Islands Region H = 05 43 02.2 h = 133 km	Penticton iP 22 38 07
Penticton IP 01 09 16		Banff eP 05 56 04	Resolute eP 22 35 54
Resolute eP 01 10 11		Penticton iP 05 55 50 D	JANUARY 9
S 01 18 15		Resolute eP' 06 01 23	U.S.C.G.S. 18.6N, 70.6W
Shawinigan Falls eP 01 06 14		Victoria eP 05 55 37	Dominican Republic H = 02 09 51.2 h = 25 km
Victoria iP 01 09 31 d		JANUARY 8	Resolute eP 02 19 42
		Resolute eP 07 21 31	JANUARY 9
		JANUARY 8	U.S.C.G.S. 33.1N, 39.7W
		U.S.C.G.S. 3.8S, 77.4W	Mid-Atlantic Ocean H = 06 45 10.2 h = 25 km
		Peru-Ecuador Border H = 10 44 12.0 h = 100 km	

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Banff		JANUARY 9	JANUARY 9
eP	06 54 53	U.S.C.G.S.	Penticton
Mould Bay		24.5N, 143.1E	eP 21 49 24
P	06 54 50	Volcano Islands	
Penticton		H = 14 53 13.3	
eP	06 55 15	h = 26 km	JANUARY 9
Resolute		Mould Bay	U.S.C.G.S.
eP	06 54 02	P 15 04 15	48.3N, 147.5E
i	06 54 07	Resolute	Sea of Okhotsk
Shawinigan Falls		eP 15 04 52 (d)	H = 22 13 51.5
eP	06 51 05		h = 480 km
			Alberni
		JANUARY 9	e.P 22 22 38 c
JANUARY 9		Resolute	Banff
Shawinigan Falls		eP 16 59 19	e.P 22 23 03 c
eP	08 03 08		Mould Bay
			iP 22 21 24 c
JANUARY 9		JANUARY 9	Penticton
U.S.C.G.S.		H = 19 40 48	iP 22 22 57 c
42.9N, 144.8E		Mag 1.8	Resolute
Near coast of		Penticton	iP 22 22 08 c
Hokkaido Japan		eP ₁ 19 41 13.0	Shawinigan Falls
H = 12 40 49.3		eS ₁ 19 41 32.2	eP 22 25 10
h = 78 km		D = 158 km	
Alberni			JANUARY 10
eP 12 50 48		JANUARY 9	U.S.C.G.S.
Alert N.W.T.		U.S.C.G.S.	27.0N, 128.7E
P 12 50 08		20.2S, 66.2E	Ryukyu Islands
Banff		Mascarene Islands Region	H = 01 15 03.0
eP 12 51 12		H = 19 49 29.7	h = 29 km
Halifax		h = 25 km	Mould Bay
iP 12 53 55		Alberni	P 01 26 11
Mould Bay		eP ₂ 20 09 20	Resolute
eP 12 49 40 c		Penticton	eP? 01 26 45
Penticton		iP ₂ 20 09 22 d	i 01 26 49
iP 12 51 07 c		Victoria	
Resolute		eP' 20 09 32	JANUARY 10
iP 12 50 24			U.S.C.G.S.
iS 12 58 09		JANUARY 9	52.9N, 169.1W
Shawinigan Falls		H = 21 09 28	Fox Islands
eP 12 53 17		Mag 2.4	H = 02 19 57.1
Victoria		Alberni	h = 43 km
eP 12 50 54 c		eP ₁ 21 09 46.0	Mould Bay
		eS ₁ 21 09 59.6	P 02 26 08
		D = 112 km	Penticton
			eP 02 26 15

DOMINION OBSERVATORIES

Resolute	Penticton	JANUARY 10
eP? 02 26 (57)	IP 06 30 37 d	Resolute
e 02 29 23	Resolute	eP? 12 46 49
Shawinigan Falls	i 06 35 17	
eP 02 30 50	Victoria	
	IP 06 30 01 d	JANUARY 10
		Penticton
JANUARY 10		eP 20 24 18
U.S.C.G.S.	JANUARY 10	
17.1S, 68.0W	U.S.C.G.S.	
Peru-Bolivia Border	44.3N, 128.8W	JANUARY 11
H = 02 55 01.2	Off Coast of Oregon	U.S.C.G.S.
h = 208 km	H = 06 33 56.5	51.6N, 176.9E
Penticton	h = 25 km	Rat Islands
IP 03 06 52 d	Alberni	H = 02 54 10.8
	eP 06 35 19	h = 53 km
JANUARY 10	Banff	Alert N.W.T.
Penticton	eP 06 36 39	IP 03 02 08 c
eP 06 07 52	Penticton	Mould Bay
	eP 06 35 52	P 03 00 58
JANUARY 10	Resolute	Penticton
U.S.C.G.S.	eP? 06 40 36	eP 03 01 40
44.3N, 128.8W	e 06 44 52	Resolute
Off Coast of Oregon	e 06 48 52	eP 03 01 50
H = 06 27 45.2	Victoria	i 03 03 50
h = 25 km	IP 06 35 18 d	
Alberni	Victoria	JANUARY 11
IP 06 29 08	IP 06 37 14 d	U.S.C.G.S.
Banff		28.1N, 84.8E
eP 06 30 28	JANUARY 10	Nepal
Penticton	Alberni	H = 03 01 33.0
IP 06 29 43	eP 06 37 14	h = 38 km
Victoria	Banff	Alert N.W.T.
eP 06 29 08	eP 06 38 34	P 03 12 32
JANUARY 10		Mould Bay
U.S.C.G.S.	JANUARY 10	IP 03 12 11 c
44.3N, 128.7W	Penticton	Resolute
Off Coast of Oregon	eP 07 10 06	eP 03 13 25 c
H = 06 28 40.5		
h = 61 km	JANUARY 10	JANUARY 11
Mag 4 3/4	Penticton	U.S.C.G.S.
Alberni	eP 07 26 55	43.5N, 17.7E
P 06 30 01 d		Near Coast of
Banff	JANUARY 10	Yugoslavia
eP 06 31 11	Resolute	H = 05 05 01.6
	i 11 20 39	h = 25 km
		Mag 5 3/4

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Alberni		Resolute	JANUARY 12
eP 05 17 22		1 21 52 51	Resolute
Alert N.W.T.			eP 08 16 (06)
iP 05 13 04 d			
Banff		JANUARY 11	
iP 05 16 56 c		Penticton	JANUARY 12
Halifax		eP 23 32 43	U.S.C.G.S.
iP 05 14 39.5 d			20.2N, 145.9E
Mould Bay			Mariana Islands
P 05 14 52		JANUARY 12	H = 08 50 31.2
Penticton		H = 00 30 59	h = 103 km
iP 05 17 13 c		Mag 1.5	Alert N.W.T.
Resolute		Penticton	iP 09 02 13 c
eP 05 14 27		eP ₁ 00 31 26.0	Mould Bay
Shawinigan Falls		eS ₁ 00 31 46.2	iP 09 01 44 c
eP 05 15 10		D = 155 km	Penticton
Victoria			eP 09 02 20
iP 05 17 23 c		JANUARY 12	Resolute
		Alberni	eP 09 02 20 (c)
JANUARY 11		eP 01 10 41	
U.S.C.G.S.		Penticton	JANUARY 12
51.9N, 179.3W		eP 01 10 58	Puget Sound, Wash.
Andreanof Islands		Victoria	U.S.A.
H = 06 49 07.6		eP 01 10 06	H = 10 05 50
h = 60 km			Mag 2.1
Alberni			Alberni
eP 06 55 53		JANUARY 12	eP _n 10 06 38.3
Alert N.W.T.		Canadian Arctic	Penticton
P 06 57 02		H = 03 56 18.8	eP _n 10 06 34
Banff		Mag 1.3	Victoria
eP 06 56 28		Mould Bay	EP ₁ 10 06 10.0
Halifax		iP ₁ 03 56 28	
iP 07 00 12 d		iS ₁ 03 56 35	JANUARY 12
Mould Bay		D = 57.4	U.S.C.G.S.
P 06 54 52			52.4N, 177.7E
Penticton			Rat Islands
iP 06 56 17 c		JANUARY 12	H = 10 55 00.8
Resolute		Mould Bay	h = 49 km
eP 06 56 40		P 05 27 00	Alert N.W.T.
Shawinigan Falls		Resolute	P 11 02 52
eP 06 59 36		eP 05 27 59	Mould Bay
Victoria		i 05 28 54	P 11 01 39
iP 06 56 02 c			Penticton
			eP 11 02 23
JANUARY 11			Resolute
Alert N.W.T.			eP 11 02 34
P 21 48 02		eP 07 57 35	S 11 08 40
			Shawinigan Falls
			eP 11 05 36

DOMINION OBSERVATORIES

JANUARY 12	JANUARY 12	JANUARY 13
U.S.C.G.S. 34.6S, 110.7W South Pacific Ocean H = 11 16 13.5 h = 52 km	Alberni eP 22 04 02 Banff eP 22 04 29 Mould Bay P 22 05 00 Resolute eP 22 05 44 i 22 09 49 S? 22 12 27	U.S.C.G.S. 52.3N, 177.4E Rat Islands H = 04 48 37.3 h = 49 km Alert N.W.T. iP 04 56 28 c Mould Bay P 04 55 17 Penticton eP 04 56 00 Resolute eP 04 56 11 e 05 08 22 Shawinigan Falls eP 04 58 11 PcP 04 59 13
Penticton eP 11 28 46	Victoria eP 11 29 06	JANUARY 12
Victoria eP 11 28 39	Victoria e 22 08 22 d	JANUARY 13
JANUARY 12	JANUARY 12	U.S.C.G.S. 12.9N, 120.8E Philippine Islands H = 05 30 54.9 h = 60 km Mould Bay P 05 43 23
Penticton eP 13 32 37	Resolute eP 23 22 23	JANUARY 13
JANUARY 12	JANUARY 13	Mould Bay P 06 07 44
Penticton eP 13 43 41	U.S.C.G.S. 22.7S, 68.6W Northern Chile H = 00 45 12.8 h = 159 km	Resolute eP 06 08 31
JANUARY 12	Penticton eP 00 57 29	JANUARY 13
U.S.C.G.S. 42.5N, 143.0E Hokkaido, Japan H = 13 38 11.6 h = 100 km	Shawinigan Falls iP 00 56 05 c	Resolute eP 06 11 15
Alert N.W.T. P 13 47 34	JANUARY 13	i 06 12 56
Mould Bay P 13 47 07	Resolute eP? 03 05 52	JANUARY 13
Penticton iP 13 48 37 d	JANUARY 13	Resolute eP 06 11 15
Resolute eP 13 47 51 c	U.S.C.G.S. 19.1S, 177.5W Fiji Islands H = 03 04 55.7 h = 542 km	i 06 12 56
JANUARY 12	Penticton eP 03 16 37	JANUARY 13
Penticton eP 14 53 53	JANUARY 13	U.S.C.G.S. 15.1S, 174.0W Tonga Islands Region H = 11 41 10.1 h = 25 km

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Penticton	JANUARY 14	JANUARY 15
eP 11 53 22	U.S.C.G.S. 43.1N, 145.1E Hokkaido Japan H = 07 24 47.6 h = 30 km Resolute eP 07 34 27	Near Chelan in Central Wash., U.S.A. H = 05 28 46 Mag 3.6 Alberni eP _n 05 29 40.4 D = 387 km
JANUARY 13		Penticton iP ₁ 05 29 14.8 D = 177 km
74.2°N ± 1.0°, 81.7°W ± 3.0°		Victoria iP _n 05 29 23.4 iS _n 05 29 52.7 D = 248 km
Near Cape Sherard, Devon Island, N.W.T. H = 12 25 41.3 h = 25 km Mag 3.6	JANUARY 14 Mould Bay P 08 48 51 Penticton eP 08 48 25 Resolute eP? 08 48 (34)	JANUARY 15 Mould Bay P 08 18 34 Penticton iP 08 16 06 Resolute eP 08 18 10 i 08 18 27
Alert L _g 12 30 24 D = 1000 km		
Mould Bay P _n 12 27 57 S _n 12 29 34 L _g 12 30 46 D = 1075 km	JANUARY 14 Canadian Arctic H = 09 45 43.6 Mag 2.0 Resolute iP ₁ 09 45 53.2 iS ₁ 09 46 00.5 D = 59.8 km	JANUARY 15 U.S.C.G.S. 13.0N, 60.5W Off coast of Venezuela H = 0.8 22 15.9 h = 78 km Alberni eP 08 32 39 Alert N.W.T. P 08 33 10
Resolute iP _n 12 26 32.5 iP ₁ 12 26 42.5 iS _n 12 27 09.8 iS ₁ 12 27 29 D = 380 km		
JANUARY 13	JANUARY 14	JANUARY 15 Mould Bay P 08 33 23 Penticton eP 08 32 18 Resolute eP 08 32 (47)
Penticton eP 15 09 47	U.S.C.G.S. 44.9N, 140.8E Off coast of Hokkaido Japan H = 13 34 02.8 h = 193 km Alberni eP 13 43 55 Alert N.W.T. P 13 42 59 Mould Bay P 13 42 35 Penticton iP 13 44 13 c Resolute eP 13 43 19 c Victoria eP 13 44 03 d	
JANUARY 13		JANUARY 15 Resolute eP? 09 29 07
H = 19 37 49 Mag 1.7		
Penticton eP ₁ 19 38 13.1 eS ₁ 19 38 31.6 D = 152 km		
JANUARY 14		
Penticton iP 00 26 15		

DOMINION OBSERVATORIES

JANUARY 15	Mould Bay	JANUARY 17
Resolute	P' 11 54 14	Mould Bay
eP? 09 57 54	e 12 05 11	P 04 18 14
	Penticton	
	eP 11 48 59	
JANUARY 15	Resolute	JANUARY 17
Mould Bay	eP' 11 54 23	Canadian Arctic
P 12 32 56	Victoria	H = 09 10 24.5
	eP 11 48 56 c	h = 33 km
		Mag 2.0
JANUARY 15		Resolute
Penticton	JANUARY 16	eP _n 09 10 50.0
eP 15 29 37	U.S.C.G.S.	eP ₁ 09 10 53.2
	7.8N, 36.0W	iS _n 09 11 08.8
	Mid-Atlantic Ocean	iS ₁ 09 11 15.0
JANUARY 15		D = 176 km
Resolute		
eP 23 10 12	Alert N.W.T.	JANUARY 17
	iP 18 29 14 c	Resolute
	Mould Bay	eP 11 07 (35)
JANUARY 15	P 18 29 46	
Penticton	Penticton	
eP 23 41 33	eP 18 29 40	
	Resolute	JANUARY 17
	eP 18 29 10	U.S.C.G.S.
JANUARY 16	Shawinigan Falls	20.8S, 178.4W
H = 00 25 44	eP 18 26 33	Fiji Islands Region
Mag 2.0		H = 11 30 28.2
Penticton		h = 613 km
eP ₁ 00 26 09.8	JANUARY 16	Penticton
eS ₁ 00 26 29.7	H = 21 00 29	eP 11 42 15
D = 163 km	Mag 2.1	
	Alberni	
	iP ₁ 21 00 38.1	JANUARY 17
JANUARY 16	iS ₁ 21 00 45.1	Penticton
Resolute	D = 57 km	eP 13 12 11
eP 09 58 48		
JANUARY 16	JANUARY 16	JANUARY 17
U.S.C.G.S.	Penticton	U.S.C.G.S.
30.5S, 177.9W	eP 23 45 14	4.3N, 128.3E
Kermadec Islands		Molucca Passage
H = 11 35 41.3	JANUARY 16	H = 15 29 06.6
h = 39 km	H = 23 50 24	h = 25 km
Mag 6 1/2	Mag 1.5	Mould Bay
Alert N.W.T.	Penticton	P 15 42 26
P' 11 54 35	eP ₁ 23 50 50.3	Resolute
Halifax	eS ₁ 23 51 10.2	eP 15 42 53
iP' 11 54 40 c?	D = 163	

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JANUARY 17	JANUARY 17	Penticton
U.S.C.G.S.	Penticton	eP 08 28 29
3.9N, 126.6E	eP 23 53 08	
Molucca Passage		
H = 15 43 18.3		
h = 74 km		
Mould Bay	JANUARY 18	JANUARY 18
P 15 56 22	Penticton	Resolute
Resolute	eP 00 10 51	eP? 10 34 34
eP 15 56 48		
e 16 32 20	JANUARY 18	JANUARY 18
	Penticton	Resolute
	eP 00 18 23	eP 12 12 (54)
JANUARY 17		
Resolute		JANUARY 18
eP? 19 17 06		Penticton
		eP 12 30 30
JANUARY 17	JANUARY 18	
48°33'N, 124°58'W	Canadian Arctic	
Strait of Juan de Fuca	H = 01 23 19.3	
H = 19 27 26	Mag 1.0	
Mag 3.3	Resolute	JANUARY 18
Alberni	P ₁ 01 23 28.2	Penticton
iP ₁ 19 27 43.7	S ₁ 01 23 35.0	eP 13 52 33
D = 108 km	D = 55.6 km	
Penticton	JANUARY 18	
eP _n 19 28 (23)	Penticton	
D = 414 km	eP 01 41 52	
Victoria	JANUARY 18	
iP ₁ 19 27 45.0	Canadian Arctic	
iS ₁ 19 27 59.2	H = 04 37 43.6	
D = 117 km	Mag 2.1	
	Resolute	
JANUARY 17	P ₁ 04 38 23	JANUARY 18
U.S.C.G.S.	S ₁ 04 38 53	Canadian Arctic
15.0N, 88.0W	D 246 km	H = 16 34 22.8
Honduras	JANUARY 18	Mag 1.0
H = 23 34 32.0	Mould Bay	Resolute
h = 42 km	P 07 04 09	P ₁ 16 34 26.7
Mould Bay		S ₁ 16 34 29.7
P 23 44 51		D = 24.6 km
Penticton	JANUARY 18	
eP 23 42 24	U.S.C.G.S.	
Resolute	21.1S, 178.7W	
eP 23 44 26	Fiji Islands Region	
Shawinigan Falls	H = 08 16 38.4	
eP 23 41 09	h = 600 km	

DOMINION OBSERVATORIES

Resolute	JANUARY 19	JANUARY 19
P ₁ 20 52 20.0	Penticton	Penticton
S ₁ 20 52 27.4	eP 04 59 37	eP 14 39 07
Mag 1.4		
JANUARY 18	JANUARY 19	JANUARY 19
Penticton	Penticton	Penticton
eP 21 57 18	eP 05 11 14	eP 15 09 06
JANUARY 18	JANUARY 19	JANUARY 19
H = 22 55 39	U.S.C.G.S.	Penticton
Mag 2.0	51.5N, 161.1E	eP 15 44 46
Penticton	Off coast of Kamchatka	
iP ₁ 22 56 04.4	H = 06 01 09.5	
iS ₁ 22 56 24.1	h = 29 km	
D = 162 km	Alberni	
	eP 06 09 27	
	Alert N.W.T.	
	iP 06 09 18 d	
JANUARY 18	Banff	JANUARY 19
Penticton	eP 06 09 55	U.S.C.G.S.
eP 23 01 13	Mould Bay	38.5N, 22.1E
	iP 06 08 28 d	Greece
JANUARY 19	Penticton	H = 19 38 04.1
Penticton	iP 06 09 48	h = 38 km
eP 01 58 52	Resolute	Mould Bay
	eP 06 09 20	P 19 48 30
	Shawinigan Falls	Penticton
	eP 06 12 30 d	eP 19 50 44
JANUARY 19		Resolute
Penticton		eP 19 48 08
eP 02 34 57	JANUARY 19	e 20 13 46
	Penticton	Shawinigan Falls
	eP 09 00 17	eP 19 48 51
JANUARY 19		
Penticton		
eP 02 59 11	JANUARY 19	JANUARY 19
	Mould Bay	U.S.C.G.S.
	P 12 00 19	10.8N, 122.4E
JANUARY 19		Philippine Islands
Penticton		H = 20 43 24.4
eP 04 33 28	JANUARY 19	h = 99 km
	U.S.C.G.S.	Alert N.W.T.
	21.5S, 174.6W	P 20 56 06
JANUARY 19	Tonga Islands	Mould Bay
Penticton	H = 13 22 37.0	P 20 56 01
eP 04 48 27	h = 25 km	Resolute
	Penticton	eP 20 56 28
	eP 13 35 17	

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JANUARY 19	JANUARY 20	Resolute
Mould Bay	Penticton	eP 03 00 (59)
P 21 13 53	eP 05 00 06	
JANUARY 21		
Penticton		
Alberni	eP 06 39 20	eP 04 14 11
eP 22 38 06		
Victoria	JANUARY 20	JANUARY 21
eP 22 38 24	Penticton	Penticton
	eP 07 59 56	eP 04 39 31
JANUARY 19		
Alberni		JANUARY 21
eP 22 44 06		Mould Bay
e 22 45 44	JANUARY 20	P 08 00 16
	Penticton	Resolute
	eP 13 18 55	eP 08 00 25
JANUARY 20	JANUARY 20	JANUARY 21
Penticton	Penticton	H = 12 14 16
eP 00 00 57	iP 16 30 18	Mag 1.6
JANUARY 20	JANUARY 20	Penticton
Penticton	Resolute	eP ₁ 12 14 29.5
eP 03 14 09	eP 18 37 56	eS ₁ 12 14 39.6
JANUARY 20		D = 83 km
U.S.C.G.S.	JANUARY 20	JANUARY 21
32.7N, 49.5E	U.S.C.G.S.	U.S.C.G.S.
Iran	6.6S, 152.1E	17.7S, 178.8W
H = 03 31 31.4	Off coast of New Britain	Fiji Islands
h = 40 km	H = 20 14 32.7	H = 12 51 52.1
Mould Bay	h = 33 km	h = 558 km
P 03 42 50	Mould Bay	Banff
	P 20 27 59	eP 13 03 46
JANUARY 20	Resolute	Penticton
Penticton	eP 20 28 30	eP 13 03 32
eP 03 59 33		
JANUARY 20	JANUARY 21	JANUARY 21
Penticton	U.S.C.G.S.	U.S.C.G.S.
eP 04 07 27	43.2N, 16.6E	43.0N, 144.5E
	Near coast of Yugoslavia	Hokkaido, Japan
	H = 02 51 36.2	H = 17 53 28.0
	h = 33 km	h = 45 km
JANUARY 20	Penticton	
Penticton	eP 03 03 45	
eP 04 52 21		

DOMINION OBSERVATORIES

Mould Bay	Pentiction	JANUARY 23
P 18 02 21	iP ₁ 23 11 35.3	Pentiction
Resolute	iS ₁ 23 11 55.6	eP 14 41 13
eP 18 03 05 c	D = 166 km	
		JANUARY 23
JANUARY 21	JANUARY 23	U.S.C.G.S.
Penticton	Pentiction	52.5N, 169.5W
iP 22 05 53	iP 01 15 38 d	Fox Islands
		H = 15 59 20.4
		h = 25 km
		Alert N.W.T.
JANUARY 22	JANUARY 23	iP 16 07 00 c
U.S.C.G.S.	Pentiction	Banff
52.4N, 100.0E	iP 01 57 20 c	eP 16 05 52
Lake Baikal Region		Mould Bay
H = 07 26 45.3		P 16 05 33
h = 68 km		Penticton
Banff	JANUARY 23	iP 16 05 39
eP 07 38 08	49.0°N, 125.5°W	Resolute
Mould Bay	Barkley Sound	eP 16 06 23
iP 07 35 29 c	H = 01 58 08	Shawinigan Falls
Penticton	Mag 2.0	iP 16 09 15 d
iP 07 38 13 d	Alberni	
Resolute	iP ₁ 01 58 16.2	
eP 07 35 56	iS ₁ 01 58 22.6	
	D = 53 km	
		Victoria JANUARY 23
JANUARY 22		U.S.C.G.S.
U.S.C.G.S.		44.6N, 12.3E
11.4N, 125.4E		Italy
Philippine Islands		H = 17 31 39.7
H = 09 59 32.0		h = 61 km
h = 125 km		Penticton
Mould Bay	JANUARY 23	eP 17 43 34
P 10 11 54	Alert N.W.T.	Shawinigan Falls
Resolute	P 02 47 38	eP 17 41 22 d
eP 10 12 22		
		JANUARY 23
JANUARY 22	Resolute	Resolute
Penticton	eP? 04 32 (48)	eP 18 21 (22)
eP 15 58 41		
		JANUARY 23
JANUARY 22	Penticton	Penticton
H = 23 11 09	eP 12 40 06	eP 18 54 54
Mag 1.9	Resolute	
	eP 12 39 39	
		JANUARY 23
	JANUARY 23	Penticton
	Penticton	eP 19 59 46
	eP 13 58 34	

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JANUARY 23	Resolute	JANUARY 24
H = 23 39 12	eP 07 40 59	Penticton
Mag 1.7		eP 19 35 22
Penticton		
IP1 23 39 34.8	JANUARY 24	JANUARY 24
IS1 23 39 51.8	Alert N.W.T.	H = 19 37 15
D = 139 km	P 08 21 52	Mag 1.7
	Resolute	Penticton
	eP 08 24 02	eP1 19 37 41.7
JANUARY 24		eS1 19 38 01.8
U.S.C.G.S.		D = 164 km
21.2S, 65.7W	JANUARY 24	JANUARY 24
Bolivia	Alert N.W.T.	Penticton
H = 03 01 17.3	P 11 31 54	eP 21 18 02
h = 238 km		
Penticton		JANUARY 25
eP 03 13 30	JANUARY 24	U.S.C.G.S.
Shawinigan Falls	Penticton	4.4S, 152.7W
IP 03 11 55 c	IP 13 55 08	Line Islands Region
JANUARY 24		H = 10 03 07.0
U.S.C.G.S.	JANUARY 24	h = 50 km
15.6S, 167.6E	Penticton	Banff
New Hebrides	eP 14 39 57	eP 10 13 38
H = 04 46 29.1		Mould Bay
h = 133 km	JANUARY 24	IP 10 15 29
Penticton	Resolute	Penticton
IP 04 59 18	eP 15 24 56	IP 10 13 17
Shawinigan Falls		Resolute
eP' 05 05 07 d	JANUARY 24	eP 10 15 46 c
	U.S.C.G.S.	Shawinigan Falls
JANUARY 24	24.4N, 122.0E	eP 10 15 47 d
U.S.C.G.S.	Near coast of Formosa	JANUARY 25
59.2N, 154.8W	H = 15 39 46.0	Mould Bay
Alaska Peninsula	h = 58 km	P 00 35 00
H = 05 28 54.1	Alberni	Penticton
h = 25 km	IP 15 52 22	eP 00 34 41
Mould Bay	Mould Bay	Resolute
P 05 33 39	P 15 51 09	eP 00 35 46
Penticton	Penticton	
eP 05 33 53	IP 15 52 34 c	
Resolute	Resolute	
eP 05 34 30	eP 15 51 41	
JANUARY 24	JANUARY 24	JANUARY 25
Mould Bay	Resolute	Penticton
P 07 41 20	eP 17 57 38	eP 01 57 44

DOMINION OBSERVATORIES

JANUARY 25	JANUARY 25	JANUARY 25
U.S.C.G.S. 10.7S, 161.8E Solomon Islands H = 01 50 11.4 h = 80 km Banff eP 02 03 22 Penticton iP 02 03 09 e 02 11 20 Shawinigan Falls eP' 02 09 00 c	U.S.C.G.S. 12.3N, 142.3E Mariana Islands H = 09 25 25.9 h = 145 km Resolute eP 09 38 00 Shawinigan Falls eP' 09 44 49	H = 23 46 15 Mag 2.0 Penticton eP ₁ 23 46 41.5 eS ₁ 23 47 01.7 D = 166 km JANUARY 26 Mould Bay P 02 52 58 Penticton eP 02 50 11
JANUARY 25	JANUARY 25	JANUARY 26
Penticton eP 05 38 26	Penticton iP 17 27 03	U.S.C.G.S. 32.2N, 138.1E South of Honshu, Japan H = 05 22 51.3 h = 333 km
JANUARY 25	JANUARY 25	Alberni eP 05 33 33 Alert N.W.T.
Penticton iP 07 33 13	Penticton eP 18 04 58	iP 05 32 57 c
JANUARY 25	JANUARY 25	Banff eP 05 33 55
U.S.C.G.S. 15.8S, 69.5W Peru-Bolivia H = 07 26 05.7 h = 209 km Banff eP 07 37 39	Penticton eP 18 51 57	Mould Bay P 05 32 39
Halifax iP 07 35 52 d	JANUARY 25	Penticton iP 05 33 50 c
Penticton iP 07 37 46 c	Penticton eP 19 04 32	Resolute iP 05 33 15
Resolute eP 07 38 50 i 07 39 45	JANUARY 25 43.9°N, 125.4°W	Victoria iP 05 33 39 c
Shawinigan Falls eP 07 36 05	Berkley Sound H = 20 55 54 Mag 2.2	JANUARY 26 U.S.C.G.S. 23.4S, 176.1W
Victoria eP 07 37 56	Alberni iP ₁ 20 56 02.0 iS ₁ 20 56 08.4 D = 53 km	Tonga Islands Region H = 06 09 33.0 h = 214 km
	Victoria eP ₁ 20 56 18.9 eS ₁ 20 56 38.3 D = 158 km	Penticton iP 06 22 00 c

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JANUARY 26	Banff	JANUARY 27
U.S.C.G.S.	eP 18 48 39	Penticton
35.1N, 22.7E	Mould Bay 18 51 20	iP 09 19 26
Mediterranean Sea	Penticton 18 48 43	JANUARY 27
H = 08 17 37.0	Resolute 18 51 58	Mould Bay
h = 32 km	Shawinigan Falls 18 47 50 d	P 11 53 53
Mag 5	Victoria 18 48 53 d	JANUARY 27
Alberni	JANUARY 26	45°55'N±5',
eP 08 30 43	Penticton	74°51'W±5'
Alert N.W.T.	iP 08 27 07 c	About 12 miles WSW of
Banff	18 28 26 c	Arundel Que. Felt
eP 08 30 21 c	Victoria 21 12 20 d	strongly at Arundel and
Halifax	JANUARY 26	as far as Ottawa where
eP 08 28 13	Penticton	many were awakened
Mould Bay	iP 01 01 36 d	H = 12 11 16.7
P	08 28 26 c	JANUARY 27
Penticton	08 30 31 c	Mag 4.3
iP 08 30 31 c	Penticton	London
Resolute	JANUARY 27	e 12 12 50
eP 08 28 06 c	Canadian Arctic	e 12 13 34
Shawinigan Falls	H = 04 02 34.5	Lg 12 13 59
eP 08 28 43 c	Mag 1.8	D = 621 km
Victoria	Resolute	Montreal
eP 08 30 38 c	JANUARY 27	iP ₁ 12 11 33.5
JANUARY 26	Canadian Arctic	iS ₁ 12 11 46.4
U.S.C.G.S.	H = 04 02 49	D = 106 km
35.0S, 179.3E	Mag 1.8	Shawinigan Falls
Kermadec Islands Region	iP ₁ 04 03 00	iP ₁ 12 11 44.8
H = 11 48 32.3	D = 90.2 km	i 12 11 48.0
h = 167 km	JANUARY 27	iS ₁ 12 12 06.0
Mould Bay	Alberni	D = 174 km
P ^t 12 06 58	Penticton	JANUARY 27
JANUARY 26	06 36 17	Penticton
Mould Bay	Penticton 06 37 05	iP 12 13 55 d
P 15 39 31	Victoria 06 36 27	JANUARY 27
Resolute	eP 15 40 08	Resolute
JANUARY 26	JANUARY 27	eP? 14 46 36
U.S.C.G.S.	Mould Bay	
10.3N, 90.6W	P 07 33 02	
Off coast of El Salvador	Penticton	
H = 18 40 23.0	iP 07 33 27 c	
h = 45 km		

DOMINION OBSERVATORIES

JANUARY 27	JANUARY 28	JANUARY 28
U.S.C.G.S. 44.6N, 130.5W Off coast of Oregon H = 22 02 33.1 h = 25 km Alberni iP 22 04 05	U.S.C.G.S. 14.0N, 92.3W Off coast of Guatemala H = 05 22 55.7 h = 133 km Banff eP 05 30 31	U.S.C.G.S. 44.7N, 112.5W Montana H = 11 40 56.6 h = 14 km Penticton eP 11 42 36
Banff eP 22 05 25	Mould Bay iP 05 33 16 c	
Penticton iP 22 04 42 d	Penticton iP 05 30 34 c	JANUARY 28
Victoria iP 22 04 06 d	Resolute eP 05 32 54	Victoria eP 11 45 09
	Victoria eP 05 30 43 c	
JANUARY 27		JANUARY 28
U.S.C.G.S. 31.0N, 114.3W Gulf of California H = 23 07 42.1 h = 22 km Mag 5 1/4 Alberni eP 23 12 19	JANUARY 28	Resolute eP? 11 56 (40)
Alert N.W.T. P 23 17 12	U.S.C.G.S. 17.2S, 172.0W	
Banff eP 23 12 19	Tonga Islands H = 05 40 08.2	JANUARY 28
Mould Bay P 23 16 02	h = 25 km Mag 6 1/4 Mould Bay P 05 53 44	Penticton eP 12 38 33
Penticton iP 23 12 04 c	Penticton iP 05 52 20 c	
Shawinigan Falls eP 23 14 42	Resolute eP? 05 54 06	JANUARY 28
Victoria eP 23 12 03 c	Victoria iP 05 52 08 c	Canadian Arctic H = 12 40 39.1 Mag 2.2 Resolute P ₁ 12 41 08 S ₁ 12 41 30
JANUARY 27	JANUARY 28	
H = 23 35 23 Mag 1.9 Penticton iP ₁ 23 35 48.0 iS ₁ 23 36 07.3 D = 158 km	Canadian Arctic H = 07 51 32.1 Mag 2.2 Resolute P ₁ 07 52 01 S ₁ 07 52 23 D = 180 km	JANUARY 28
	JANUARY 28	U.S.C.G.S. 0.0, 123.9E
	Mould Bay	Celebes region H = 16 41 13.8
	P 16 54 32	h = 101 km
	Pentiction iP 16 55 22 d P' 16 59 32	Mould Bay P 16 54 32
	Resolute eP 16 54 59	Pentiction iP 16 55 22 d P' 16 59 32
	i 16 59 10	Resolute eP 16 54 59
	Shawinigan Falls eP' 17 00 18	i 16 59 10

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JANUARY 28	Alberni	Montreal
Mould Bay	iP ₁ 21 49 28.3	iP _n 08 09 17.0 c
P 21 00 53	D = 27 km	iS _n 08 10 15
	Banff	i 08 10 37
	eP 21 50 53.0	Lg 08 10 48
	D = 700 km	D = 569 km
JANUARY 29	Penticton	Resolute
Penticton	iP _n 21 50 14.7	e 08 21 (46)
eP 00 43 29	D = 370 km	Shawinigan Falls
	Victoria	P _n 08 09 17.6
	iP ₁ 21 49 41.2	S _n 08 10 16.6
	D = 107 km	Lg 08 10 37.6
		D = 575 km
JANUARY 29	Penticton	JANUARY 30
U.S.C.G.S.	iP _n 22 11 13	U.S.C.G.S.
9.3S, 79.1W		12.7N, 87.7W
Near coast of Peru		Near coast of
H = 06 07 22.0		Nicaragua
h = 100 km		H = 08 34 26.8
Mould Bay		h = 101 km
P 06 20 06		Alberni
JANUARY 29	Penticton	eP 08 42 57
Penticton	eP 23 40 53	Alert N.W.T.
eP 09 25 09		P 08 45 34
JANUARY 29	Alert N.W.T.	Banff
U.S.C.G.S.	P 00 59 59	iP 08 42 32 c
9.1S, 157.5E		Halifax
Solomon Islands		eP 08 41 38
H = 11 43 12.6		Mould Bay
h = 114 km		iP 08 45 03 c
Penticton		Penticton
eP 11 56 07		iP 08 42 36 c
JANUARY 29		Resolute
Alert N.W.T.		iP 08 44 39 c
P 12 32 46		Shawinigan Falls
JANUARY 29		eP 08 41 22 c
Resolute		Victoria
eP? 17 28 29		iP 08 42 47 c
JANUARY 29	Halifax	JANUARY 30
	e 08 14 19	Penticton
	London	eP 09 12 57
	eP _n 08 09 19	Victoria
	iS _n 08 10 16	eP 09 12 31
	i 08 10 30	
	Lg 08 10 43	
	D = 585 km	

DOMINION OBSERVATORIES

JANUARY 30	JANUARY 30	Mould Bay
H = 11 35 47	U.S.C.G.S.	P _n 00 42 14
Mag 1.8	79.4N, 123.5E	S _n 00 43 38
Victoria	Lapten Sea	D = 900 km
eP 11 35 56.1	H = 17 15 33.8	Resolute
es 11 36 02.9	h = 63 km	P _n 00 42 52
D = 56 km	Alert N.W.T.	S _n 00 44 43
	P 17 19 47	L _g 00 45 45
	Mould Bay	D = 1210 km
JANUARY 30	eP 17 20 13c	
U.S.C.G.S.	Resolute	
16.2S, 176.0W	eP 17 20 (52)	JANUARY 31
Samoa Islands region	S? 17 25 19	Penticton
H = 15 01 12.4		iP 01 05 34
h = 383 km		
Penticton	JANUARY 30	JANUARY 31
iP 15 12 56	U.S.C.G.S.	18.8S, 168.5E
	New Hebrides Islands	47.8°N, 125.7°W
	region	Off coast of Washington
JANUARY 30		U.S.A.
U.S.C.G.S.		H = 04 22 47
20.7N, 144.5E		Mag 2.5
Mariana Islands region	Penticton	Alberni
H = 15 22 49.4	iP 18 43 57	iP _n 04 23 15.1
h = 187 km		D = 177 km
Alberni	JANUARY 31	Penticton
eP 15 34 14	U.S.C.G.S.	eP _n 04 23 49.2
Alert N.W.T.	38.5N, 70.3E	D = 470 km
iP 15 34 22 d	Tadzhik U.S.S.R.	Victoria
Banff	H = 00 05 57.0	eP _n 04 23 16.4
iP 15 34 42 d	h = 60 km	eS _n 04 23 39.3
Mould Bay	Alert N.W.T.	D = 188 km
iP 15 33 55 d	P 00 15 38	JANUARY 31
Penticton	Mould Bay	Mould Bay
iP 15 34 33 d	P 00 16 34	iP 08 56 16 c
Resolute	Penticton	Resolute
iP 15 34 30 d	eP 00 19 03	eP? 08 55 53
i 15 35 32	Resolute	
Victoria	eP? 00 16 (47)	
iP 15 34 21 d		JANUARY 31
JANUARY 30	JANUARY 31	47°30'N±12',
Penticton	68.2°N±1.0°,	67°08'W±12'
eP 16 21 24	123.9°W±2.0°	About 15 miles S.S.E.
	About 140 miles N.W.	of Kedgwick, N.B.
	of Great Bear Lake,	H = 14 32 38.2
	N.W.T.	h = 30 km
	H = 00 40 19	Mag 3.5
	Mag 4.3	

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	FEBRUARY 1	FEBRUARY 2
Halifax		
P _n	14 33 33.0	U.S.C.G.S.
S _n	14 34 16	31.7S, 177.3E
L _g	14 34 36	Kermadec Islands
D = 420 km		H = 00 39 54.6
Montreal		h = 30 km
P _n	14 33 51.5	Alert N.W.T.
S _n	14 34 41.2	iP' 00 58 52 d
L _g	14 35 11	Halifax
D = 550 km		iP' 00 58 58.5 c
Seven Falls		Mould Bay
eP _n	14 33 16	iP' 00 58 31 c
iP ₁	14 33 23.3	Penticton
iS _n	14 33 44.5	iP 00 53 20 c
iS ₁	14 33 57.0	Resolute
D = 280 km		eP' 00 58 40 d
Shawinigan Falls		Shawinigan Falls
L _g	14 34 43	eP' 00 58 48 d
D = 440 km		Victoria
JANUARY 31		eP 00 53 09 d
H = 20 33 47	FEBRUARY 1	
Mag 1.6	U.S.C.G.S.	
Penticton	35.0N, 120.6W	
eP ₁	20 34 16.1	Near coast of
eS ₁	20 34 38.5	California
D = 185 km		H = 06 37 57.5
JANUARY 31		h = 25 km
Penticton		Penticton
iP	20 55 37 d	eP 06 41 20
Resolute	FEBRUARY 1	FEBRUARY 2
eP	20 55 30 c	Halifax
JANUARY 31		eP 06 54 38 d
Resolute		Penticton
eP	21 16 (23)	eP 06 56 09
JANUARY 31		Resolute
H = 22 17 18	eP ₁ 22 47 26.1	eP? 06 59 (39)
Mag 1.5	eS 22 47 46.3	i 07 01 19
Penticton	D = 165 km	i 07 03 27
eP ₁		i 07 03 44
eS ₁		
D = 159 km		
JANUARY 31	FEBRUARY 2	
H = 22 17 18	Mould Bay	FEBRUARY 2
Mag 1.5	P 04 07 22	H = 07 40 17
Penticton		Mag 2.4
eP ₁		Penticton
eS ₁		eP _n 07 40 57.9
D = 159 km		eS _n 07 41 32.3
		D = 282 km

DOMINION OBSERVATORIES

FEBRUARY 2	FEBRUARY 2	FEBRUARY 2
U.S.C.G.S. 49.9N, 78.2E	H = 16 53 14 Mag 2.3	U.S.C.G.S. 18.2N, 104.9W
Kazakh, S.S.R. H = 07 59 58.5	Penticton eP _n 16 53 44.5 eS _n 16 54 08.1	Near coast of Mexico H = 23 03 58.9
h = 0 km	D = 193 km	h = 17 km
Alert N.W.T. iP 08 08 29 c		Mould Bay P 23 13 57
Banff IP 08 12 04	FEBRUARY 2	Penticton eP 23 10 35
Mould Bay iP 08 09 23 c	U.S.C.G.S. 43.7N, 148.5E	Seven Falls P 23 11 38
Penticton IP 08 12 11 c	Kurile Islands H = 17 20 11.1	Shawinigan Falls eP 23 11 27
Resolute eP 08 09 37	h = 49 km	
Seven Falls P 08 12 08.5	Alert N.W.T. P 17 29 31	FEBRUARY 2
Victoria eP 08 12 12 c	Mould Bay P 17 28 52	Resolute e 23 33 57
	Penticton eP 17 30 12	
FEBRUARY 2 H = 12 01 18 Mag 2.6	Resolute eP 17 29 38 (c) i 17 30 10	FEBRUARY 2
Penticton eP _n 12 02 01.3 eS _n 12 02 37.5		Penticton iP 23 57 42 c
D = 286 km		Resolute eP 23 57 00 (c)
FEBRUARY 2 H = 14 12 59 Mag 2.1	FEBRUARY 2 Resolute eP 18 23 46	FEBRUARY 3
Penticton eP _n 14 13 38.3 eS _n 14 14 11.3		U.S.C.G.S. 1.2S, 137.8E
D = 270 km		North of New Guinea H = 00 37 53.6
		h = 17 km
FEBRUARY 2 H = 16 23 52 Mag 2.1		Alberni eP 00 51 22
Penticton iP _n 16 24 30.5 iS _n 16 25 02.4		Alert N.W.T. P 00 51 35
D = 261 km		Mould Bay eP 00 51 13 c
		Victoria iP 00 51 39
		Resolute eP 00 51 (42)
		Seven Falls P' 00 57 01
		Shawinigan Falls eP' 00 57 02
		Victoria iP 00 51 33 d

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FEBRUARY 3	Penticton	Victoria
U.S.C.G.S.	eP ₁ 23 54 22.1	eP 17 57 01 c
17.4S, 66.9E	eS ₁ 23 54 41.7	
Mascarene Islands	D = 160 km	
region		
H = 11 36 19.1		
h = 25 km		
Penticton	FEBRUARY 4	FEBRUARY 4
eP' 11 55 53	U.S.C.G.S.	82.1°N, 82.0°W
	4.6S, 119.0E	Ellesmere Island,
	Celebes	about 50 miles north
	H = 02 54 42.1	of Greely Fiord,
FEBRUARY 3	h = 89 km	N.W.T.
Penticton	Shawinigan Falls	H = 20 03 44.5
eP 14 21 54	eP' 03 14 02	h = 30 km
		Mag 3.4
FEBRUARY 3		Alert
Mould Bay		P _n 20 04 32.5
P 20 15 32	P 04 56 35	P ₁ 20 04 42.3
Penticton		S _n 20 25 05.5
iP 20 13 44 c		S ₁ 20 25 23.5
Seven Falls	FEBRUARY 4	D = 354 km
iP 20 12 34 d	Mould Bay	Mould Bay
	P 06 32 58	P _n 20 05 48.5
FEBRUARY 3	Pentiction	S _n 20 07 16
U.S.C.G.S.	iP 06 31 17 c	D = 977 km
6.5N, 73.1W		Resolute
Colombia	FEBRUARY 4	P _n 20 05 25.5
H = 21 38 19.9	Mould Bay	S _n 20 06 38
h = 190 km	P 11 36 58	D = 789 km
Mould Bay		
iP 21 49 37		FEBRUARY 4
Penticton	FEBRUARY 4	U.S.C.G.S.
iP 21 47 54 c	U.S.C.G.S.	2.8N, 83.2W
	7.4N, 82.4W	Off coast of Ecuador
	South of Panama	H = 20 40 00.0
FEBRUARY 3	H = 17 47 39.7	h = 39 km
Seven Falls	h = 38 km	Penticton
P 22 08 23	Mould Bay	eP 20 49 36
	iP 17 59 01	
FEBRUARY 3	Pentiction	FEBRUARY 4
Penticton	iP 17 56 51	U.S.C.G.S.
iP 23 07 58	Resolute	0.5S, 20.2W
	eP 17 58 35	Atlantic Ocean
	e 18 17 25	H = 21 29 33.2
FEBRUARY 3	Seven Falls	h = 17 km
H = 23 53 56	iP 17 55 23 c	Alert N.W.T.
Mag 1.7	Shawinigan Falls	P 21 42 06
	eP 17 55 16	Halifax
		iP 21 39 38 c

DOMINION OBSERVATORIES

Mould Bay	FEBRUARY 5	Resolute
P 21 42 50	Penticton	iP 23 06 13 c
Penticton	eP 07 20 12	Seven Falls
eP 21 43 20		eP 23 08 51 c
Resolute	FEBRUARY 5	Shawinigan Falls
eP 21 42 21	Penticton	iP 23 08 52 d
Seven Falls	eP 07 38 30	Victoria
iP 21 40 15 c		iP 23 06 42 c
Shawinigan Falls	FEBRUARY 5	FEBRUARY 5
iP 21 40 21 c	Penticton	H = 23 22 51
FEBRUARY 4	iP 08 41 42	Mag 1.5
Canadian Arctic		Penticton
H = 23 09 45.8		eP ₁ 23 23 17.5
Mag 2.4		eS ₁ 23 23 37.9
Resolute	FEBRUARY 5	D = 166 km
P ₁ 23 10 16	Penticton	
S ₁ 23 10 38	iP 08 55 30	
D = 188 km	FEBRUARY 5	FEBRUARY 6
FEBRUARY 4	Penticton	Resolute
Mould Bay	eP 09 16 15	eP 01 31 22
P 23 35 53		
Penticton	FEBRUARY 5	FEBRUARY 6
iP 23 35 47	Mould Bay	Mould Bay
	P 18 55 06	P 02 06 37
FEBRUARY 5	Penticton	Penticton
Penticton	eP 18 56 12	eP 02 07 47
iP 02 32 41	Resolute	Resolute
	eP 18 55 46 (c)	eP 02 07 13
FEBRUARY 5	FEBRUARY 5	FEBRUARY 6
Penticton	U.S.C.G.S.	U.S.C.G.S.
iP 03 20 13	35.9N, 138.8E	13.8N, 91.1W
FEBRUARY 5	Honshu Japan	Guatemala
Penticton	H = 22 55 49.6	H = 02 58 24.4
iP 05 16 37	h = 151 km	Banff
	Alberni	eP 03 06 10
	eP 23 06 35	Mould Bay
	Alert N.W.T.	iP 03 08 51 c
	iP 23 05 53 c	Penticton
FEBRUARY 5	Banff	iP 03 06 13 d
Penticton	iP 23 06 59 c	Resolute
iP 06 12 02	Mould Bay	eP 03 08 28 c
	iP 23 05 33 c	Seven Falls
	Penticton	P 03 05 29
	iP 23 06 52 c	Shawinigan Falls
		eP 03 05 19

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Victoria	FEBRUARY 6	FEBRUARY 7
eP 03 06 22 c	Penticton eP 10 13 55	Mould Bay P 16 58 13
FEBRUARY 6	FEBRUARY 6	FEBRUARY 7
U.S.C.G.S. 37.8N, 140.4E	Penticton iP 15 02 04	H = 23 52 51 Mag 1.5
Honshu, Japan H = 03 32 50.3 h = 372 km		Penticton iP ₁ 23 53 17.5 iS ₁ 23 53 37.7
Mould Bay P 03 41 56	Resolute eP 20 13 09	D = 165 km
Resolute eP 03 42 31		FEBRUARY 8
FEBRUARY 6	FEBRUARY 7	Penticton eP 01 11 54
Resolute eP? 04 24 (30)	H = 00 31 33 Mag 1.5	
i 04 28 57	Penticton iP ₁ 00 31 46.8 iS ₁ 00 31 57.5 D = 88 km	FEBRUARY 8 H = 04 10 25 Mag 1.0
FEBRUARY 6		Penticton iP ₁ 04 10 29.8 iS ₁ 04 10 33.2
U.S.C.G.S. 56.8N, 156.0W	FEBRUARY 7	D = 28 km
Alaska H = 04 40 57.5 h = 80 km	Penticton iP 01 22 15 d	
Mould Bay P 04 46 03	Resolute eP 01 21 34	FEBRUARY 8 Resolute eP 04 16 24
Penticton eP 04 45 54	FEBRUARY 7	
Resolute eP 04 46 51	U.S.C.G.S. 20.4S, 68.4W	FEBRUARY 8
	Chile-Bolivia border H = 07 36 05.1 h = 222 km	Banff eP 08 38 22
FEBRUARY 6	Penticton iP 07 48 10 c	Mould Bay P 08 40 40
Penticton eP 06 08 47	Seven Falls P 07 46 41	Penticton iP 08 38 27 d
FEBRUARY 6	Shawinigan Falls eP 07 47 06	FEBRUARY 8
Resolute eP? 07 59 (26)		U.S.C.G.S. 3.2S, 141.3E
FEBRUARY 6	FEBRUARY 7	New Guinea H = 11 49 13.9
Penticton iP 08 23 09	Resolute eP? 09 42 (30)	h = 87 km

DOMINION OBSERVATORIES

Mould Bay
eP 12 02 32
Penticton
eP 12 02 47
Resolute
eP 12 03 01
Shawinigan Falls
eP' 12 08 16

FEBRUARY 8
Penticton
eP 13 08 30

FEBRUARY 8
U.S.C.G.S.
0.7N, 98.6E
Sumatra
H = 19 40 27.7
h = 43 km
Mould Bay
P 19 54 12
Penticton
IP' 19 59 17
Resolute
eP? 19 54 31
i 19 58 41

FEBRUARY 8
Penticton
eP 23 16 21
Resolute
eP? 23 15 42

FEBRUARY 8
Resolute
eP? 23 46 46

FEBRUARY 9
U.S.C.G.S.
34.5N, 140.9E
Honshu Japan
H = 01 01 37.0
h = 25 km
Resolute
eP? 01 12 18

FEBRUARY 9
Mould Bay
P 05 53 17
Penticton
eP 05 54 20
Resolute
eP 05 54 11

FEBRUARY 9
H = 12 22 49
Mag 1.8
Penticton
IP₁ 12 23 11.9
IS₁ 12 23 27.6
D = 129 km

FEBRUARY 9
U.S.C.G.S.
51.2N, 178.4W
Andreanof Islands
H = 18 14 32.7
h = 25 km
Mould Bay
P 18 21 13
Penticton
IP 18 21 41

FEBRUARY 9
Penticton
eP 18 50 59

FEBRUARY 9
Penticton
eP 19 59 09

FEBRUARY 9
U.S.C.G.S.
0.6N, 123.9E
Celebes
H = 21 51 13.2
h = 50 km

Mould Bay
eP 22 04 37 c
Resolute
eP 22 05 03
Shawinigan Falls
eP' 22 10 22
i 22 13 38

FEBRUARY 9
H = 22 10 02
Mag 1.7
Penticton
P₁ 22 10 27.8
S₁ 22 10 47.7
D = 163 km

FEBRUARY 9
Penticton
eP 23 04 13

FEBRUARY 10
U.S.C.G.S.
19.2S, 69.5W
Chile-Bolivia Border
H = 04 19 41.7
h = 232 km
Penticton
eP 04 31 27

FEBRUARY 10
Victoria
eP 10 39 04

FEBRUARY 10
Banff
eP 13 17 29

FEBRUARY 10
Alberni
eP 13 20 57
Mould Bay
IP 13 17 51 c
Penticton
eP 13 17 27
IP 13 20 48

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Resolute	FEBRUARY 10				Resolute						
eP	13	17	(36)	Mould Bay	iP ₁	07	40	17.0			
i	13	18	35	P	19	55	53	iS ₁	07	40	29.5
i	13	21	13					D = 103 km			
Victoria	FEBRUARY 10				FEBRUARY 11						
eP	13	20	52 c	U.S.C.G.S.	Alberni						
				33.1S, 69.0W	P	08	29	38			
				Argentina	Penticton						
FEBRUARY 10				H = 19 46 11.0	iP	08	29	59			
Resolute				h = 171 km	Resolute						
eP?	17	42	01	Pentiction	eP?	08	29	23			
				IP 19 59 09 c							
FEBRUARY 10				Shawinigan Falls	FEBRUARY 11						
Banff				eP 19 58 02	U.S.C.G.S.						
eP	18	13	58		52.0N, 168.0W						
				FEBRUARY 10	Fox Islands						
FEBRUARY 10				Pentiction	H = 10 01 24.8						
Resolute				eP 21 39 51	h = 50 km						
eP?	19	02	51		Alberni						
				FEBRUARY 11	P 10 07 11						
FEBRUARY 10				U.S.C.G.S.	Alert N.W.T.						
U.S.C.G.S.				29.6N, 139.0E	P 10 09 03						
17.9N, 62.2W				South of Honshu Japan	Banff						
Leeward Islands				H = 02 42 36.1	eP 10 07 49						
H = 19 31 56.2				h = 400 km	Mould Bay						
h = 70 km				Alberni	P 10 07 37						
Alberni				P 02 53 18 c	Penticton						
P 19 41 49				Alert N.W.T.	iP 10 07 35 c						
Alert N.W.T.				IP 02 52 56	Resolute						
P 19 42 26				Banff	eP 10 08 27						
Banff				eP 02 53 43	Seven Falls						
eP 19 41 09				Mould Bay	iP 10 11 16 c						
Mould Bay				IP 02 52 30 c	Shawinigan Falls						
P 19 42 31				Penticton	eP 10 11 14 c						
Penticton				iP 02 53 35 c	Victoria						
iP 19 41 25 d				Resolute	eP 10 07 17						
Resolute				eP 02 53 08 (c)							
eP 19 41 52				Victoria							
e 19 56 50				IP 02 53 25 c	FEBRUARY 11						
e 20 01 18					U.S.C.G.S.						
Seven Falls					4.5S, 153.5E						
iP 19 37 59 c					New Ireland region						
Shawinigan Falls					H = 18 55 32.0						
eP 19 37 59					h = 100 km						
Victoria					Mag 6						
eP 19 41 41 d					Alberni						
					P 19 08 12						
					Banff						
					eP 19 08 40						

DOMINION OBSERVATORIES

Mould Bay	FEBRUARY 12	FEBRUARY 12
P 19 08 37	U.S.C.G.S.	H = 23 25 29
Penticton	44.0N, 146.5E	Mag 1.5
eP 19 08 27	Near coast of	Penticton
Resolute	Hokkaido, Japan	IP ₁ 23 25 55.4
eP 19 09 06	H = 11 57 53.3	iS ₁ 23 26 15.7
Seven Falls	Resolute	D = 166 km
P' 19 14 16	eP 12 07 15	
Victoria		
eP 19 08 14		
FEBRUARY 11	FEBRUARY 12	FEBRUARY 12
Penticton	U.S.C.G.S.	U.S.C.G.S.
eP 19 25 50	34.4N, 135.6E	26.4N, 140.9E
Resolute	Honshu Japan	Bonin Islands region
eP? 19 25 51	H = 17 25 56.9	H = 23 24 55.2
	h = 317 km	h = 168 km
	Penticton	Mould Bay
	IP 17 36 58	P 23 35 33
	Resolute	Resolute
	IP 17 36 21 c	eP 23 36 10
FEBRUARY 11		
H = 21 23 16		
Mag 1.1		
Alberni	FEBRUARY 12	FEBRUARY 12
eP ₁ 21 23 20.4	H = 19 41 16	Penticton
eS ₁ 21 23 24.0	Mag 1.8	IP 23 47 40
D = 30 km	Penticton	
	IP ₁ 19 41 41.0	
	iS ₁ 19 42 00.4	
	D = 159 km	
FEBRUARY 12		
H = 02 23 23		
Mag 2.1		
Alberni	FEBRUARY 12	FEBRUARY 13
eP ₁ 02 23 31.3	Mould Bay	H = 00 30 55
eS ₁ 02 23 37.8	P 20 32 13	Mag 1.7
D = 53 km		Alberni
		IP ₁ 00 31 07.0
		iS ₁ 00 31 15.9
		D = 73 km
FEBRUARY 12	FEBRUARY 12	Victoria
Alberni	Mould Bay	IP ₁ 00 31 07.4
eP 08 48 47	P 20 32 13	iS ₁ 00 31 16.7
		D = 76 km
FEBRUARY 12	FEBRUARY 12	
Alberni	U.S.C.G.S.	
eP 08 48 47	12.6N, 139.8E	
	West of Mariana Islands	
	H = 22 05 34.9	
	h = 73 km	
FEBRUARY 12	Mould Bay	
Mould Bay	P 22 17 41	
P 11 22 40	Penticton	
	eP 22 18 13	
FEBRUARY 12		
Mould Bay		
P 11 22 40		
FEBRUARY 13		
U.S.C.G.S.		
54.1N, 35.1W		
North Atlantic Ocean		
H = 00 46 16.3		
h = 27 km		

SEISMOLOGICAL BULLETIN - 1962

Halifax	FEBRUARY 13	Halifax
iP 00 50 58.5 c	Penticton	eP 06 48 23.5 c
Mould Bay	eP 20 15 24	Mould Bay
P 00 53 27		P' 06 54 44
Penticton	FEBRUARY 13	Penticton
eP 00 55 06	U.S.C.G.S.	eP 06 49 27
Resolute	42.7N, 145.3E	Resolute
eP 00 52 34 c	Near coast of	eP? 06 50 46
Seven Falls	Hokkaido, Japan	Shawinigan Falls
iP 00 51 22	H = 20 33 42.6	eP 06 48 30 c
Shawinigan Falls	h = 105 km	Victoria
eP 00 51 41	Penticton	eP 06 49 33 c
	eP 20 43 51	
FEBRUARY 13	Resolute	FEBRUARY 14
H = 02 18 08	eP 20 43 12	U.S.C.G.S.
Mag 1.5		38.2S, 73.7W
Alberni		Near coast of Chile
eP ₁ 02 18 16.4	FEBRUARY 12	H = 07 08 21.1
eS ₁ 02 18 22.4	Canadian Arctic	h = 40 km
D = 49 km	H = 13 21 36.5	Halifax
	Mag 1.8	eP 07 20 42.5 d
FEBRUARY 13	Resolute	Mould Bay
49.0N, 156.2E	iP ₁ 13 22 08.0	P' 07 27 02
Kurile Islands	iS ₁ 13 22 32.0	Shawinigan Falls
H = 02 22 15.2		eP 07 20 48
h = 45 km		
Alert N.W.T.	FEBRUARY 14	FEBRUARY 14
iP 02 30 47 c	U.S.C.G.S.	U.S.C.G.S.
Mould Bay	0.1N, 123.8E	38.1S, 73.7W
P 02 30 04	Northern Celebes	Near coast of Chile
Penticton	H = 02 47 30.7	H = 08 11 59.3
eP 02 31 20	h = 96 km	h = 40 km
Resolute	Shawinigan Falls	Shawinigan Falls
eP 02 30 53 c	eP' 03 06 37	eP 08 24 25
i 02 32 33	e 03 09 51	
FEBRUARY 13	FEBRUARY 14	FEBRUARY 14
Mould Bay	U.S.C.G.S.	U.S.C.G.S.
IP 13 23 10 c	38.1S, 73.1W	38.2S, 73.1W
Penticton	Near coast of Chile	Near coast of Chile
e 13 26 05	H = 06 36 01.3	H = 08 29 00.1
Resolute	h = 44 km	h = 40 km
eP? 13 22 51	Mag 7 1/4	Halifax
	Alert N.W.T.	iP 08 41 22 d
	P' 06 53 49	Shawinigan Falls
	Banff	eP 08 41 29
	eP 06 49 27	

DOMINION OBSERVATORIES

FEBRUARY 14	FEBRUARY 15	FEBRUARY 15
U.S.C.G.S. 5.7N, 126.0E Near coast of Mindanao H = 11 43 35.1 h = 147 km Mould Bay P 11 56 25 Resolute eP 11 56 51 Shawinigan Falls eP' 12 02 25	Mould Bay P 08 17 44 FEBRUARY 15 Canadian Arctic H = 14 09 29 h = 27 km Mag 3.6 Resolute P _n 14 10 21 P ₁ 14 10 32.0 i 14 10 38.5 S _n 14 11 00 S ₁ 14 11 13.5 D = 388 km Not recorded elsewhere	Mould Bay P 18 07 30 Penticton eP 18 02 58 Resolute eP 18 07 27 i 18 09 38 Victoria eP 18 03 15 FEBRUARY 15 U.S.C.G.S. 38.1S, 73.2W Near coast of Chile H = 20 28 47.2 h = 40 km Seven Falls P 20 41 20 Shawinigan Falls iP 20 41 25 d
FEBRUARY 14 Penticton eP 16 05 41		
FEBRUARY 14 Penticton eP 18 18 46	FEBRUARY 15 U.S.C.G.S. 49.4S, 32.1E Prince Edward Islands region H = 09 56 01.0 h = 25 km Mould Bay P' 10 15 50	FEBRUARY 15 U.S.C.G.S. 23.9S, 176.5W Tonga Islands region H = 20 55 59.7 h = 25 km Penticton iP 21 08 58 d
FEBRUARY 14 Penticton eP 22 55 31	Pentiction eP ₁ ' 10 16 14 Resolute eP' 10 15 38	FEBRUARY 15 Penticton eP 21 36 16
FEBRUARY 15 H = 00 00 41.7 Mag 1.8 Penticton iP ₁ 00 01 18.3 iS ₁ 00 01 38.6	FEBRUARY 15 Pentiction eP 15 39 05 e 15 42 01	FEBRUARY 15 U.S.C.G.S. 31.9N, 137.9E South of Honshu Japan H = 23 40 39.4 h = 257 km Alberni eP 23 51 20
FEBRUARY 15 Penticton eP 00 10 53	FEBRUARY 15 Resolute e 15 57 42	
FEBRUARY 15 Penticton eP 07 02 25	FEBRUARY 15 Resolute eP 17 34 59	

SEISMOLOGICAL BULLETIN - 1962

Mould Bay	FEBRUARY 16	FEBRUARY 17
P 23 50 36	Resolute	Southeastern British
Penticton	eP? 16 17 57	Columbia
iP 23 51 48		H = 16 36 09
		Mag 2.6
	FEBRUARY 16	Banff
FEBRUARY 16	H = 23 51 53.1	P ₁ 16 36 35.1
Penticton	Mag 1.8	S ₁ 16 36 57.0
eP 00 00 26	Penticton	D = 164 km
	P ₁ 23 52 21.4	Penticton
	S ₁ 23 52 43.0	P _n 16 36 41.0
FEBRUARY 16	D = 177 km	D = 209 km
Penticton		
eP 01 06 52		
Mould Bay	FEBRUARY 17	FEBRUARY 17
P 01 06 08	Resolute	Resolute
	eP 01 37 12	eP 16 45 35
FEBRUARY 16		
U.S.C.G.S.	FEBRUARY 17	FEBRUARY 17
38.1S, 73.1W	U.S.C.G.S.	U.S.C.G.S.
Near coast of Chile	61.6S, 162.9E	38.0S, 73.5W
H = 02 55 07.0	South of MacQuarie	Near coast of Chile
h = 40 km	Island	H = 18 16 06.2
Shawinigan Falls	H = 03 43 45.1	h = 40 km
eP 03 07 35	h = 25 km	Seven Falls
	Mould Bay	P 18 28 37
	eP' 04 03 28 c	Shawinigan Falls
FEBRUARY 16	Resolute	eP 18 28 34
Alert N.W.T.	eP' 04 03 (41)	
eP 04 46 10	Seven Falls	
	P' 04 03 37	
	Shawinigan Falls	
	eP' 04 03 33	
FEBRUARY 16		
U.S.C.G.S.	FEBRUARY 17	FEBRUARY 17
49.4N, 156.0E	Mould Bay	U.S.C.G.S.
Kurile Islands	P 14 19 03	49.2N, 156.0E
H = 15 54 32.3	Resolute	Kurile Islands
h = 24 km	eP? 14 20 24	H = 22 01 51.1
Alert N.W.T.	e 14 24 05	h = 23 km
iP 16 03 05 c		Alberni
Mould Bay		eP 22 10 44
iP 16 02 23 c		Alert N.W.T.
Penticton		P 22 10 25
eP 16 03 44	FEBRUARY 17	Mould Bay
Resolute	Penticton	P 22 09 41
eP 16 03 12 c	eP 14 47 17	Penticton
Shawinigan Falls		eP 22 11 03
eP 16 06 19		Resolute
		eP 22 10 31(c)

DOMINION OBSERVATORIES

FEBRUARY 17	Seven Falls	Resolute
U.S.C.G.S.	P 07 10 09	eP 17 36 08
52.7N, 169.7W	Shawinigan Falls	Seven Falls
Fox Islands	eP 07 10 20 d	iP 17 32 42
H = 22 28 22.8		Shawinigan Falls
h = 29 km		eP 17 32 36
Mould Bay	FEBRUARY 18	Victoria
P 22 34 36	Resolute	eP 17 35 01 d
Penticton	eP 08 46 52	
iP 22 34 45 d		
Seven Falls	FEBRUARY 18	FEBRUARY 18
P 22 38 24	Penticton	U.S.C.G.S.
Shawinigan Falls	eP 10 05 16	15.5S, 166.8E
eP 22 38 20 d		New Hebrides
		H = 22 26 06.5
		h = 45 km
FEBRUARY 18	FEBRUARY 18	Penticton
H = 00 20 56	U.S.C.G.S.	eP 22 39 08
Mag 2.0	41.5N, 142.4E	
Alberni	Near coast of Hokkaido	
eP ₁ 00 21 04.9	Japan	FEBRUARY 18
eS ₁ 00 21 08.8	H = 10 42 32.8	Penticton
D = 54 km	h = 40 km	eP 23 21 01
	Alert N.W.T.	Seven Falls
	iP 10 52 06 c	IP 23 19 39
FEBRUARY 18	Mould Bay	
U.S.C.G.S.	P 10 51 40	
49.2N, 156.6E	Penticton	FEBRUARY 18
Kurile Islands	eP 10 53 07	Penticton
H = 01 28 34.9	Resolute	eP 23 33 19
h = 46 km	eP 10 52 23 c	
Alberni		
eP 01 37 23		FEBRUARY 18
Alert N.W.T.		U.S.C.G.S.
P 01 37 04		0.6S, 91.7W
Mould Bay		Galapagos Islands
P 01 36 22		H = 23 25 20.1
Penticton		h = 43 km
iP 01 37 44		Alberni
Shawinigan Falls		eP 23 35 07
eP 01 40 29		Alert N.W.T.
Victoria		IP 23 37 49 c
eP 01 37 32		Banff
		eP 23 34 53
FEBRUARY 18		Mould Bay
Penticton		IP 23 37 19 c
eP 07 12 46		Penticton
Resolute		IP 23 34 53 c
eP 07 10 12		Resolute
		eP 23 37 01 c

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Seven Falls		FEBRUARY 19		FEBRUARY 20
iP 23 34 21 c		Penticton		Penticton
Shawinigan Falls		iP 20 21 48		iP 03 13 54
eP 23 34 12				Seven Falls
Victoria				iP 03 12 26 c
eP 23 34 59		FEBRUARY 19		
		U.S.C.G.S.		FEBRUARY 20
		11.7N, 88.1W		48.7°N, 123.0°W
FEBRUARY 19		Off coast of Nicaragua		Gulf Islands
U.S.C.G.S.		H = 20 16 03.6		H = 07 28 23
52.3N, 158.4E		h = 39 km		Mag 2.3
Near coast of Kamchatka		Alberni		Alberni
H = 02 58 46.9		eP 20 24 45		eP ₁ 07 28 50.1
h = 32 km		Mould Bay		eS ₁ 07 29 16.6
Mould Bay		iP 20 26 34 c		Penticton
P 03 06 05		Penticton		iP 07 29 03.9
Resolute		IP 20 24 25 c		Victoria
eP 03 06 57		Resolute		IP ₁ 07 28 32.8
		eP 20 26 30 c		iS ₁ 07 28 39.8
		i 20 26 45		
FEBRUARY 19		Seven Falls		
Resolute		P 20 23 24		FEBRUARY 20
eP? 05 41 36		Shawinigan Falls		U.S.C.G.S.
Shawinigan Falls		eP 20 23 15 d		6.8N, 92.5E
eP 05 41 33		Victoria		Nicobar Islands
		iP 20 24 36 d		H = 09 15 55.1
FEBRUARY 19				h = 29 km
Mould Bay		FEBRUARY 19		Alert N.W.T.
P 08 20 19		Shawinigan Falls		P 09 28 57
		eP 21 56 54		Mould Bay
FEBRUARY 19				P 09 29 20
U.S.C.G.S.		FEBRUARY 20		Resolute
20.2S, 175.1W		Puget Sound, Wash.		eP 09 29 (37)
Tonga Islands		U.S.A.		e 09 48 (20)
H = 11 04 46.6		H = 01 23 51		
h = 95 km		Mag 2.5		FEBRUARY 20
Alberni		Penticton		Penticton
eP 11 17 00		P _n 01 24 34.4		eP 10 19 34
Banff		Victoria		
iP 11 17 28 c		eP ₁ 01 24 12.2		
Mould Bay		iS ₁ 01 24 28.2		FEBRUARY 20
iP' 11 23 13 d				U.S.C.G.S.
Penticton				25.9S, 178.4E
iP 11 17 13 c		FEBRUARY 20		South of Fiji Islands
Resolute		Alert N.W.T.		H = 10 07 26.6
eP' 11 23 32		P 01 27 46		h = 655 km
Victoria				
eP 11 17 01 c				

DOMINION OBSERVATORIES

Mould Bay	FEBRUARY 20	FEBRUARY 20
P' 10 24 42	U.S.C.G.S.	Penticton
Penticton	46.8N, 152.8E	eP 22 26 02
eP 10 21 46	Kurile Islands	
e 10 34 22	H = 19 08 39.8	
Resolute	h = 22 km	
eP' 10 24 52	Alberni	FEBRUARY 20
i 10 27 28	iP 19 17 53 c	Washington, U.S.A.
Seven Falls	Alert N.W.T.	H = 22 29 08
P' 10 25 09	P 19 17 32	Mag 2.1
FEBRUARY 20	Mould Bay	Penticton
U.S.C.G.S.	P 19 16 53	iP ₁ 22 29 41.5
6.9N, 73.1W	Penticton	iS ₁ 22 29 07.6
Colombia	iP 19 18 13	D = 214 km
H = 16 02 15.0	Resolute	Victoria
h = 157 km	eP 19 17 41	iP ₁ 22 29 29.2
Mould Bay	i 19 19 34	iS ₁ 22 29 45.1
iP 16 13 33 d	FEBRUARY 20	D = 130 km
Penticton	U.S.C.G.S.	FEBRUARY 21
eP 16 11 51	50.6S, 110.8E	H = 00 06 06.9
Resolute	South of Australia	Mag 1.9
eP? 16 13 04	H = 20 11 13.7	Penticton
Shawinigan Falls	h = 31 km	iP ₁ 00 06 32.5
eP 16 09 34	Mould Bay	iS ₁ 00 06 52.0
FEBRUARY 20	P' ₁ 20 31 06	D = 160 km
U.S.C.G.S.	Penticton	
43.0N, 144.9E	eP' ₁ 20 31 03	FEBRUARY 21
Near coast of Hokkaido	Resolute	U.S.C.G.S.
Japan	eP' ₁ 20 31 (21)	24.8S, 177.1W
H = 16 05 44.6	i 20 31 39	Tonga Islands region
h = 55 km	FEBRUARY 20	H = 00 06 02.4
Alberni	U.S.C.G.S.	h = 38 km
eP 16 15 43	26.1, 96.8E	Penticton
Alert N.W.T.	Northern Burma	iP 00 18 59 c
P 16 15 03	H = 22 02 38.2	
Mould Bay	h = 25 km	
P 16 14 36	Alberni	FEBRUARY 21
Penticton	eP 22 16 07	Penticton
iP 16 16 02 c	Banff	eP 00 34 50
Resolute	eP 22 16 16	
eP 16 15 20	Mould Bay	FEBRUARY 21
Seven Falls	P 22 14 21	Mould Bay
eP 16 18 15 c	Penticton	P 09 25 26
Shawinigan Falls	eP 22 16 13	
eP 16 18 14 c	Resolute	
Victoria	eP 22 14 42	
eP 16 15 59 c		

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FEBRUARY 21	Mould Bay	FEBRUARY 22
U.S.C.G.S.	iP 17 32 05 c	Resolute
51.2N, 179.5E	Penticton	eP? 20 08 (27)
Rat Islands	iP 17 29 20	e 20 11 42
H = 09 53 12.2	Resolute	
h = 40 km	iP 17 31 43 c	
Mould Bay		FEBRUARY 23
P 09 59 56		H = 02 35 48.9
Penticton	FEBRUARY 21	Mag 2.0
eP 10 00 44	Mould Bay	Alberni
e 10 01 47	P 17 51 55	iP ₁ 02 36 00.1
		iS ₁ 02 36 08.6
		D = 70 km
FEBRUARY 21	FEBRUARY 21	
U.S.C.G.S.	Penticton	
56.8S, 146.7E	eP 22 07 20	FEBRUARY 23
West of MacQuarie		Canadian Arctic
Island	FEBRUARY 22	H = 11 10 29.2
H = 09 50 05.4	Resolute	Mag 2.1
h = 25 km	eP? 06 03 12	Resolute
Mould Bay		iP ₁ 11 10 41
P' 10 09 45		iS ₁ 11 10 50
Resolute	FEBRUARY 22	
eP' 10 09 59	Shawinigan Falls	FEBRUARY 23
i 10 10 04	eP 08 36 54	U.S.C.G.S.
		6.3S, 147.0E
FEBRUARY 21	FEBRUARY 22	New Guinea
Mould Bay	Shawinigan Falls	H = 11 40 52.8
P 12 49 35	eP 11 38 21	h = 80 km
		Penticton
FEBRUARY 21	FEBRUARY 22	eP 11 54 15
Penticton	U.S.C.G.S.	Seven Falls
eP 13 43 47	29.4N, 131.1E	eP' 11 59 51 c
	Ryukyu Islands	Shawinigan Falls
	H = 16 38 01.4	eP' 11 59 51
FEBRUARY 21	h = 25 km	
Resolute	Mould Bay	FEBRUARY 23
eP 16 15 13	iP 16 48 48 d	Resolute
	Resolute	e 12 14 (20)
	eP 16 49 25 d	
FEBRUARY 21		
U.S.C.G.S.		FEBRUARY 23
16.3N, 93.0W		Resolute
Chiapas, Mexico	FEBRUARY 22	e 13 26 49
H = 17 21 57.0	Resolute	
h = 80 km	eP 18 22 54	

DOMINION OBSERVATORIES

FEBRUARY 23	FEBRUARY 24	FEBRUARY 24
U.S.C.G.S. 11.1N, 125.8E Philippine Islands H = 19 29 15.1 h = 100 km Mould Bay P 19 41 41	U.S.C.G.S. 12.2N, 88.8W Off coast of El Salvador H = 01 03 17.6 h = 40 km Mould Bay iP 01 14 01 c	H = 07 06 32.3 Mag 2.8 Alberni iP ₁ 07 07 10.1 eS ₁ 07 07 41.3 D = 255 km
Resolute eP 19 42 08	Penticton iP 01 11 30 c Resolute iP 01 13 37 c	FEBRUARY 24 Penticton eP 07 32 30
FEBRUARY 23 H = 20 09 20.7 Mag 2.0 Alberni iP ₁ 20 09 32.5 iS ₁ 20 09 41.5 D = 74 km Victoria iP ₁ 20 09 29.8 iS ₁ 20 09 42.0 D = 100 km	Seven Falls eP 01 10 32 Shawinigan Falls eP 01 10 22 e 01 10 38	FEBRUARY 24 Penticton eP 07 59 17
FEBRUARY 23 U.S.C.G.S. 10.9N, 125.8E Philippine Islands H = 20 00 30.4 h = 98 km Resolute eP 20 13 (23)	FEBRUARY 24 81.1°N, 105.0°W About 90 miles north of Ellef Ringnes Island, Queen Elizabeth Islands, N. W. T. H = 02 29 44 Mag 3.5 Alert N. W. T. P _n 02 31 20.5 S _n 02 32 29.5 D = 746 km Mould Bay P _n 02 30 59.9 S _n 02 31 52 D = 575 km Resolute eP _n 02 31 16 S _n 02 32 24 D = 709 km	FEBRUARY 24 Resolute eP 10 22 34 d FEBRUARY 24 Penticton eP 10 43 58 FEBRUARY 24 Penticton eP 11 23 10 e 11 26 03
FEBRUARY 23 U.S.C.G.S. 3.8S, 152.0E New Britain H = 20 21 28.6 h = 25 km Penticton eP 20 34 44	FEBRUARY 24 H = 04 21 53.6 Mag 2.5 Penticton iP ₁ 04 22 34.0 iS ₁ 04 23 07.7 D = 276 km	FEBRUARY 24 Penticton eP 12 19 48 FEBRUARY 24 U.S.C.G.S. 49.0N, 156.2E Kurile Islands H = 12 22 48.1 h = 62 km Mould Bay P 12 30 35
Resolute eP 20 35 (15)		

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Penticton	FEBRUARY 24	FEBRUARY 25
eP 12 31 56	Resolute	U.S.C.G.S.
Resolute	eP 20 29 19	11.7N, 120.9E
eP 12 31 25		Mindora,
i 12 33 06		Philippine Islands
	FEBRUARY 24	H ≈ 06 22 06.9
	Penticton	h = 25 km
FEBRUARY 24	eP 22 14 26	Resolute
Penticton		eP? 06 35 (10)
eP 13 30 48	FEBRUARY 25	
	Penticton	FEBRUARY 25
	eP 01 40 55	Penticton
FEBRUARY 24		eP 08 23 41
U.S.C.G.S.	FEBRUARY 25	
9.5N, 120.9E	Penticton	FEBRUARY 25
Sulu Sea	eP 02 10 46	Penticton
H = 13 48 44.8		eP 09 28 11
h = 25 km		
Mould Bay	FEBRUARY 25	
P 14 01 29	Penticton	FEBRUARY 25
Resolute	eP 02 52 40	Penticton
eP 14 01 (57)		eP 09 34 37
FEBRUARY 24	FEBRUARY 25	
Penticton	49.0°N, 128.5°W	FEBRUARY 25
eP 14 23 15	Off coast of Vancouver	Penticton
	Island	eP 09 58 05
	H = 06 05 50	
FEBRUARY 24	Mag 3.5	
U.S.C.G.S.	U.S.C.G.S.	FEBRUARY 25
5.5S, 146.1E	49.3N, 129.2W	Penticton
New Guinea	H = 06 05 44.8	eP 11 39 41
H = 19 34 33.6	h = 25 km	
h = 40 km	Alberni	
Penticton	eP ₁ 06 06 29.0	FEBRUARY 25
eP 19 48 02	iS ₁ 06 07 01.0	Penticton
	D = 262 km	eP 11 57 01
	Penticton	
FEBRUARY 24	eP _n 06 07 13.5	
Penticton	D = 636 km	FEBRUARY 25
eP 19 55 00	Victoria	Resolute
	eP ₁ 06 06 41.6	eP 12 52 52
	iS ₁ 06 07 25.0	
FEBRUARY 24	D = 366 km	
Shawinigan Falls		FEBRUARY 25
eP 20 07 54 d	Resolute	
	eP 13 11 28	

DOMINION OBSERVATORIES

FEBRUARY 25	Penticton eP 13 26 52	FEBRUARY 26 U.S. C.G.S. 42.0N, 141.8E South of Hokkaido, Japan H = 01 13 09.4 h = 60 km Alert P 01 22 40 Mould Bay P 01 22 15 Resolute eP 01 22 57 (c) i 01 23 20	Mould Bay iP ₁ 07 21 10.5 iS ₁ 07 21 20.5 D = 82 km
FEBRUARY 25	Penticton eP 15 19 22	FEBRUARY 26 Penticton eP 07 54 31	FEBRUARY 26
FEBRUARY 25	U.S. C.G.S. 45.2N, 111.2W Montana H = 17 17 38.9 h = 25 km Penticton eP 17 19 17	D'Entrecasteaux Islands H = 02 17 38.6 h = 47 km Penticton eP 02 31 38	FEBRUARY 26 Penticton eP 07 59 40
FEBRUARY 25	Penticton eP 17 28 47	FEBRUARY 26 U.S.C.G.S. 9.3S, 152.9E D'Entrecasteaux Islands H = 02 17 38.6 h = 47 km Penticton eP 02 31 38	FEBRUARY 26 70.9°N, 133.0°W Beaufort Sea about 150 miles north of Inuvik, N.W.T. H = 09 19 57 Mag 4.4 Not recorded at Alert. Hence the more southern of two possible positions was accepted.
FEBRUARY 25	Penticton iP 17 43 21	FEBRUARY 26 Penticton eP 05 00 39	Mould Bay P _n 09 21 29 S _n 09 22 37 D = 735 km
FEBRUARY 25	Penticton eP 18 55 31	FEBRUARY 26 Penticton eP 06 09 06	Resolute P _n 09 22 42 S _n 09 24 40 D = 1290 km
FEBRUARY 26	Victoria eP 00 18 34	FEBRUARY 26 Penticton IP 06 42 02 c	FEBRUARY 26 Penticton eP 09 44 31
FEBRUARY 26	Penticton eP 01 08 31 Victoria eP 01 08 21	FEBRUARY 26 Penticton eP 07 01 14	FEBRUARY 26 Penticton eP 10 03 04
		FEBRUARY 26 Canadian Arctic H = 07 20 57.4 Mag 1.8	

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FEBRUARY 26	FEBRUARY 26	Seven Falls
Penticton	Victoria	eP 00 14 00 d
eP 10 14 42	eP 13 31 10	Shawinigan Falls
		eP 00 13 54
FEBRUARY 26	FEBRUARY 26	Victoria
Penticton	Penticton	eP 00 15 39
eP 10 20 57	iP 14 13 07	
FEBRUARY 26	FEBRUARY 26	FEBRUARY 27
Penticton	Penticton	Resolute
eP 10 31 03	iP 14 30 24	eP 01 16 57
FEBRUARY 26	FEBRUARY 26	FEBRUARY 27
Penticton	U.S.C.G.S.	U.S.C.G.S.
eP 10 36 53	44.7N, 146.6E	7.1S, 155.2E
	Kurile Islands	Solomon Islands
	H = 15 55 33.7	H = 01 39 03.6
FEBRUARY 26	h = 25 km	h = 25 km
Penticton	Mould Bay	Mould Bay
iP 11 20 01	P 16 04 08	P 01 52 29
	Resolute	
	eP 16 04 58	
FEBRUARY 26	FEBRUARY 26	FEBRUARY 27
Penticton	Penticton	Penticton
eP 11 39 55	eP 18 24 59	iP 05 13 51 c
FEBRUARY 26		
Penticton		
eP 11 51 57		
FEBRUARY 26	FEBRUARY 26	FEBRUARY 27
Penticton	Penticton	Penticton
eP 11 51 57	eP 23 19 28	eP 05 24 56
FEBRUARY 26		
Penticton		
iP 12 07 08	FEBRUARY 27	FEBRUARY 27
	U.S.C.G.S.	U.S.C.G.S.
	6.0S, 76.9W	36.6N, 71.4E
FEBRUARY 26	Northern Peru	Hindu Kush
Alert	H = 00 04 43.9	H = 05 40 53.0
P 12 47 13	h = 65 km	h = 100 km
Resolute	Alberni	Mould Bay
eP 12 47 11	eP ₁ 00 15 45	P 05 51 39
	Banff	
	eP 00 15 25	
FEBRUARY 26	Penticton	
Penticton	iP 00 15 30 d	
eP 12 50 23		

DOMINION OBSERVATORIES

FEBRUARY 27	FEBRUARY 27	Resolute
U.S.C.G.S. 63.0N, 150.0W	Penticton IP 08 00 19 c	e 13 02 40
Central Alaska H = 05 52 28.5	Mould Bay P 08 53 19	Seven Falls IP 12 53 15 c
h = 100 km	Penticton eP 08 54 49	Shawinigan Falls eP 12 53 13
Alert iP 05 58 10 c	Resolute eP 08 52 42	Victoria eP 12 54 16
Halifax iP 06 01 13 c	FEBRUARY 27	FEBRUARY 27
Mould Bay P 05 56 16	Penticton eP 09 27 33	Penticton eP 13 33 33
Penticton iP 05 57 10	FEBRUARY 27	FEBRUARY 27
Resolute eP 05 57 15 (d)	Penticton eP 09 34 10	Penticton iP 13 34 27
Seven Falls eP 06 00 34	FEBRUARY 27	FEBRUARY 27
Shawinigan Falls eP 06 00 31	U.S.C.G.S. 35.7N, 70.5E	Penticton eP 13 47 48
Victoria eP 05 57 01 d	Pakistan-Afghanistan border H = 09 20 36.0	FEBRUARY 27
e 05 57 34.9 d	h = 122 km	Penticton iP 13 53 09 c
FEBRUARY 27	Penticton	FEBRUARY 27
U.S.C.G.S. 27.7N, 101.9E	iP 09 34 10	Penticton eP 13 54 37
China H = 06 34 55.4	FEBRUARY 27	FEBRUARY 27
h = 40 km	U.S.C.G.S. 37.4S, 73.2W	Penticton eP 13 54 37
Alert P 06 46 04	Near coast of Chile H = 12 40 48.9	FEBRUARY 27
Mould Bay iP 06 46 25 d	h = 40 km	U.S.C.G.S. 19.2S, 69.4W
Penticton eP 06 48 10	Mag 6 1/4	Northern Chile H = 14 03 27.3
Resolute eP 06 46 10	Alberni eP 12 54 32	h = 140 km
FEBRUARY 27	Alert P' 12 59 31	Penticton iP 14 15 31
Penticton eP 07 16 12	Banff eP 12 54 16	Seven Falls eP 14 14 00
FEBRUARY 27	Halifax eP 12 53 06 c	
Penticton iP 07 33 49	Mould Bay iP' 12 59 27 d	
	Penticton eP 12 54 10	

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FEBRUARY 27	FEBRUARY 28	FEBRUARY 28
U.S.C.G.S.	U.S.C.G.S.	U.S.C.G.S.
2.7S, 131.1E	31.4N, 139.2E	51.6N, 179.6W
Ceram Sea	South of Honshu	Andreanof Islands
H = 14 21 24.5	Japan	H = 18 04 09.0
h = 40 km	H = 07 19 44.5	h = 60 km
Mould Bay	h = 62 km	Penticton
P 14 34 56	Alert	IP 18 11 16 d
Seven Falls	IP 07 30 26 d	
eP' 14 40 34	Mould Bay	
	IP 07 30 03 d	FEBRUARY 28
FEBRUARY 27	Penticton	U.S.C.G.S.
Penticton	IP 07 31 14 d	19.3S, 69.6W
eP 17 22 17	Resolute	Northern Chile
	IP 07 30 (42) d	H = 18 32 14.4
		h = 110 km
		Penticton
FEBRUARY 27		IP 18 44 20 c
Penticton		Seven Falls
eP 17 27 54		eP 18 42 48
FEBRUARY 27	FEBRUARY 28	FEBRUARY 28
Penticton	H = 11 33 32.2	Penticton
	Mag 1.6	
	Pentiction	eP 19 03 14
	P ₁ 11 34 00.7	
FEBRUARY 27	S ₁ 11 34 22.5	
Penticton	D = 178 km	
eP 17 51 25		
FEBRUARY 27	FEBRUARY 28	FEBRUARY 28
Penticton	Penticton	U.S.C.G.S.
eP 18 34 40	IP 13 05 43 c	19.4N, 69.3W
		Near coast of
		Dominican Republic
FEBRUARY 27		H = 20 34 24.9
H = 19 12 05		h = 60 km
Mag 1.8		
Penticton	Peru	Alert
iP ₁ 19 12 33.4	H = 13 44 55.8	P 20 44 49
iS ₁ 19 12 55.0	h = 180 km	Halifax
D = 176 km	Mould Bay	eP 20 39 54.5
	IP 13 57 34 c	T 20 44 48
	Penticton	Mould Bay
	IP 13 55 50 d	P 20 44 42
FEBRUARY 27	Shawinigan Falls	Penticton
Penticton	eP 13 54 14 c	iP 20 43 14 d
eP 20 10 29		Resolute
		eP 20 44 05
		Seven Falls
FEBRUARY 27		eP 20 40 04
Penticton		T 20 45 57
eP 21 25 55		

DOMINION OBSERVATORIES

FEBRUARY 28	Resolute	MARCH 1
H = 23 40 09	eP 05 03 44 d	U.S.C.G.S.
Mag 1.9	i 05 06 29	43.0N, 146.2E
Penticton	Victoria	Near coast of
P1 23 40 40.3	eP 05 04 27 d	Hokkaido, Japan
S1 23 41 04.7		H = 18 35 12.9
		h = 48 km
		Alberni
		eP 18 45 10
MARCH 1	Penticton	Alert
U.S.C.G.S.	eP 05 11 07	P 18 44 35
15.7S, 74.4W		Banff
Peru		eP 18 45 36
H = 02 12 37.2	MARCH 1	Mould Bay
h = 62 km	Penticton	P 18 44 04
Alberni	eP 06 43 03	Penticton
eP 02 24 39		iP 18 45 30 d
Halifax	MARCH 1	Resolute
eP 02 22 45 c	Penticton	eP 18 44 49
London, Ont.	eP 07 11 30	
P 02 22 28		MARCH 1
Mould Bay		Resolute
P 02 25 57		eP 19 17 29
Penticton	MARCH 1	
iP 02 24 20 c	U.S.C.G.S.	
Resolute	51.1N, 179.1W	
eP 02 25 34	Andreanof Islands	MARCH 1
Seven Falls	H = 07 20 11.4	Penticton
eP 02 22 56 c	h = 25 km	eP 21 45 26
Shawinigan Falls	Penticton	
iP 02 22 53 c	iP 07 27 23 d	
		MARCH 1
MARCH 1	MARCH 1	U.S.C.G.S.
U.S.C.G.S.	U.S.C.G.S.	37.3N, 4.9W
25.7N, 124.8E	49.4N, 155.3E	Near coast of Spain
Ryukyu Islands	Kurile Islands	H = 22 20 03.5
H = 04 51 57.2	H = 12 21 16.6	h = 25 km
h = 52 km	h = 86 km	Seven Falls
Alberni	Alert	iP 22 28 50 c
eP 05 04 21	P 12 29 39	
Alert	Penticton	MARCH 1
eP 05 00 55	iP 12 30 21 d	H = 22 33 02
Banff	Resolute	Mag 1.8
iP 05 04 40 d	eP 12 29 47	Penticton
Mould Bay		eP1 22 33 28.4
P 05 02 50		eS1 22 33 48.6
i 05 03 13		D = 165 km
Penticton		
iP 05 .04 35 d		

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MARCH 1

U.S.C.G.S.
14.0S, 172.5E
Samoa Islands
H = 23 41 14.5
h = 73 km
Mag 6
Alberni
eP 23 53 39
Banff
iP 23 54 08 d
Penticton
iP 23 53 54 d
Victoria
eP 23 53 41

MARCH 2

Penticton
eP 03 47 13
MARCH 2
U.S.C.G.S.
51.4N, 178.1W
Andreanof Islands
H = 08 57 19.1
h = 34 km
Mould Bay
P 09 04 00
Penticton
iP 09 04 27 d

MARCH 2

Canadian Arctic
H = 18 40 50.5
Mag 2.0
Resolute
iP₁ 18 41 26
iS₁ 18 41 53
D = 221 km
MARCH 2
Resolute
eP 19 23 16 c

MARCH 2

H = 02 01 32.9
Mag 1.8
Alberni
iP₁ 02 01 40.9
eS₁ 02 01 47.0
D = 50 km

MARCH 2

U.S.C.G.S.
5.4N, 126.5E
Off coast of Mindanao
Philippine Islands
H = 13 02 59.0
h = 30 km

MARCH 2

H = 23 54 25
Mag 1.7
Penticton
P₁ 23 54 50.8
S₁ 23 55 10.6
D = 162 km

MARCH 2

U.S.C.G.S.
51.7N, 173.5W
Andreanof Islands
H = 02 15 05.9
h = 25 km
Mould Bay
P 02 21 34
Penticton
eP 02 21 48
Seven Falls
iP 02 25 21 d
Shawinigan Falls
eP 02 25 19

Alert

eP 13 16 04
London, Ont.

MARCH 3

Penticton
eP 00 25 07

Mould Bay

P 13 16 01

MARCH 3

H = 00 31 06
Mag 2.2
Alberni
iP₁ 00 31 18.3
iS₁ 00 31 27.8
D = 80 km
Victoria
eP₁ 00 31 33.5
eS₁ 00 31 45.5
D = 98 km

MARCH 2

Penticton
eP 17 31 39

MARCH 3

U.S.C.G.S.
28.2N, 100.8E
China
H = 00 54 20.9
h = 25 km

MARCH 2

Canadian Arctic
H = 03 36 03.5
Mag 2.4
Resolute
iP₁ 03 36 39
iS₁ 03 37 06
D = 221 km

MARCH 2

Mould Bay
P 18 40 17

DOMINION OBSERVATORIES

Mould Bay		MARCH 3		MARCH 4
P 01 05 51		U.S.C.G.S.		Penticton
Resolute		7.4N, 126.5E		eP 06 51 17
eP 01 06 15		Near coast of Mindanao, Philippine Islands		
MARCH 3		H = 12 14 52.1		MARCH 4
Victoria		h = 90 km		Penticton
eP 01 40 10 d		Alberni		eP 06 56 46
MARCH 3		Alert		MARCH 4
H = 02 18 40.9		P 12 27 47		Alberni
Mag 1.6		Banff		eP 11 42 44
Alberni		eP 12 27 59		Banff
eP ₁ 02 18 49.0		London, Ont.		eP 11 44 07
eS ₁ 02 18 55.2		P' 12 33 49		Penticton
D = 50 km		Mould Bay		iP 11 43 20 d
MARCH 3		iP 12 27 39 c		Victoria
Mould Bay		Penticton		eP 11 42 46 c
P 06 28 32		iP 12 28 29		
MARCH 3		Resolute		
Penticton		eP 12 28 05 c		MARCH 4
eP 08 06 07		Seven Falls		U.S.C.G.S.
		eP' 12 33 43		67.6N, 171.4W
MARCH 3		Shawinigan Falls		Near coast of
Penticton		eP' 12 33 44		Chukotsky Peninsula
eP 08 06 07		Victoria		H = 11 40 24.5
		eP 12 28 22		h = 15 km
MARCH 3				Alert
Penticton				P 11 46 00
iP 09 06 01 c		MARCH 3		London, Ont.
		U.S.C.G.S.		P 11 49 28
		16.1S, 174.2W		Mould Bay
		Tonga Islands		P 11 44 32
		H = 16 13 56.9		Resolute
		h = 129 km		eP 11 45 41 d
MARCH 3		Penticton		Seven Falls
U.S.C.G.S.		iP 16 26 02 d		iP 11 49 28
55.2N, 162.5E				Shawinigan Falls
Near coast of Kamchatka				iP 11 49 28 c
H = 10 40 14.8		MARCH 4		
h = 28 km		U.S.C.G.S.		
Alert		10.6S, 75.8W		
P 10 47 58		Peru		MARCH 4
Mould Bay		H = 00 41 39.1		Mould Bay
P 10 47 05		h = 20 km		P 11 47 36
Penticton		Mould Bay		Penticton
eP 10 48 39		P 00 54 43		iP 11 46 47 d
Resolute		Shawinigan Falls		
eP 10 47 58		eP 00 51 27		MARCH 4
				Penticton
				eP 11 53 14

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MARCH 4

U.S.C.G.S.
27.1N, 129.5E

Ryukyu Islands

H = 12 49 55.6

h = 25 km

Mould Bay

P 13 00 57

Resolute

eP 13 01 (34)

i 13 01 39

MARCH 4

Canadian Arctic

H = 23 03 25.9

Mag 1.7

Resolute

iP₁ 23 03 35.5

iS₁ 23 03 42.8

D = 60 km

MARCH 5

Resolute

eP 07 43 09

MARCH 4

Mould Bay

P 18 49 40

MARCH 5

Shawinigan Falls

eP 01 00 36

MARCH 5

Mould Bay

eP 07 51 51 c

Penticton

iP 07 47 32 d

Resolute

eP 07 51 54 c

U.S.C.G.S.

16.0N, 104.9W

Mexico

H = 01 50 50.6

h = 25 km

London, Ont.

P 01 57 32

MARCH 5

Mould Bay

P 02 01 01

Penticton

eP 09 05 02

Resolute

eP 09 05 16

MARCH 5

Penticton

eP 10 12 11

MARCH 4

Dominion Observatory

Northeast coast of

Greenland

H = 19 31 58

Mag 4.2

Alert

P_n 19 33 50

S_n 19 35 11

L_g 19 35 54

D = 875 km

Mould Bay

Not recorded

Resolute

P_n 19 35 45

S_n 19 38 30

D = 1820 km

MARCH 5

U.S.C.G.S.

4.0S, 103.3E

Near coast of Sumatra

H = 03 42 33.3

h = 78 km

Penticton

iP' 04 01 18 d

Resolute

eP' 04 00 56 (c)

Seven Falls

eP' 04 01 51

Shawinigan Falls

eP' 04 01 53

MARCH 5

U.S.C.G.S.

55.9S, 27.9W

Sandwich Islands

H = 10 15 22.1

h = 25 km

Mould Bay

P' 10 34 51

Penticton

eP' 10 34 28

Resolute

eP' 10 34 (43)

DOMINION OBSERVATORIES

MARCH 5	Alberni	MARCH 6
U.S.C.G.S.	iP ₁ 00 29 56.1 c	Mould Bay
11.3N, 126.3E	iS ₁ 00 30 05.1 d	P 07 39 32
Philippine Islands	D = 74 km	Resolute
H = 14 59 54.2		eP 07 40 05
h = 49 km		
Mould Bay		
P 15 12 25		
MARCH 5		MARCH 6
U.S.C.G.S.	Mould Bay	Penticton
19.1N, 121.1E	P 01 46 08	eP 08 34 30
Off coast of Luzon		
Philippine Islands	Penticton	
H = 16 46 23.9	iP 01 45 45 d	
h = 14 km	Resolute	
Mould Bay	eP? 01 46 00	
P 16 58 23		
Resolute		MARCH 6
eP 16 58 54		Penticton
MARCH 5		eP 12 26 28
U.S.C.G.S.		
40.3N, 125.1W		
Off coast of California	MARCH 6	
H = 20 57 52.1	U.S.C.G.S.	
h = 25 km	13.7N, 93.7E	
Alberni	Andaman Islands	
eP 21 00 03	H = 05 55 42.3	
Banff	h = 18 km	
eP 21 00 54	Alert	
London, Ont.	iP 06 08 11 c	
P 21 04 26	London	
Penticton	iP' 06 14 41 d	
eP 21 00 12	Mould Bay	
Resolute	P 06 08 35	
eP 21 05 03	Penticton	
e 21 17 30	e 06 12 59	
Seven Falls	Resolute	
eP 21 05 20	eP 06 08 52	
Victoria	e 06 44 51	
iP 20 59 53 d	e 06 51 52	
MARCH 6	Seven Falls	
H = 00 29 44.3	eP' 06 14 29	
Mag 1.9	Shawinigan Falls	
	eP' 06 14 32	
		MARCH 6
		Penticton
		eP 14 22 46

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MARCH 6	MARCH 7	Penticton
U.S.C.G.S. 12.5N, 143.9E	Mould Bay P 05 15 22	iP 11 12 02 d
Mariana Islands H = 15 32 33.0	Resolute eP 05 15 58 c	Resolute iP 11 12 02 d
h = 33 km	i 05 16 16	Seven Falls eP 11 14 09
Resolute eP 15 45 12 c		iP' 11 18 13
		Shawinigan Falls eP 11 14 09
	MARCH 7 Shawinigan Falls eP 06 06 45	eP' 11 18 14
MARCH 6		Victoria eP 11 11 51 d
Resolute eP 16 36 03		
MARCH 6	MARCH 7 Shawinigan Falls eP 06 39 35	MARCH 7 Mould Bay P 11 20 02
Penticton eP 20 33 42		
MARCH 6	MARCH 7 U.S.C.G.S. 40.2N, 77.2E	MARCH 7 Penticton eP 12 29 30
H = 23 45 12	Kirghiz S.S.R. H = 08 16 37.7	
Mag 1.2	h = 25 km	
Penticton P ₁ 23 45 40.7	Mould Bay P 08 27 08	MARCH 7 U.S.C.G.S. 17.2N, 147.1E
S ₁ 23 46 02.3	Penticton eP 08 29 35	Mariana Islands H = 13 58 32.4
D = 176 km		h = 41 km
MARCH 6		Mould Bay P 14 10 07
Mould Bay P 23 49 54	MARCH 7 U.S.C.G.S. 19.3N, 145.3E	Resolute eP 14 10 41
Resolute eP 23 49 28	Mariana Islands H = 11 01 00.4	
	h = 680 km	
MARCH 7	Mag 7	MARCH 7 Penticton iP 14 27 48
U.S.C.G.S. 62.2N, 26.6W	Alberni eP 11 11 45 d	
Southwest of Iceland H = 02 07 11.8	Alert iP 11 11 57 d	
h = 43 km	Banff iP 11 12 12 d	MARCH 7 U.S.C.G.S. 51.5N, 160.6E
Penticton eP 02 15 59	Halifax iP' 11 18 24 c	Off coast of Kamchatka H = 15 15 53.1
	London iP 11 14 03 d	h = 20 km
	Mould Bay iP 11 11 31 d	Alberni eP 15 24 20

DOMINION OBSERVATORIES

Mould Bay		MARCH 8	Penticton
P 15 23 18		Fentiction	eP 08 23 10
Penticton		eP 01 12 49	Resolute
eP 15 24 23			eP 08 23 (16)
Resolute			
eP 15 24 09		MARCH 8	
		Mould Bay	MARCH 8
		P 01 51 44	U.S.C.G.S.
MARCH 7			35.1S, 179.7W
Resolute			Off coast of New
eP 18 43 34		MARCH 8	Zealand
		H = 01 52 50.0	H = 10 33 41.9
		Mag 1.9	h = 25 km
MARCH 7		Alberni	Mould Bay
U.S.C.G.S.		iP ₁ 01 52 58.4 c	P' 10 52 21
52.4N, 174.5W		iS ₁ 01 53 04.8	Penticton
Andreanof Islands		D = 53 km	eP 10 47 43
H = 19 08 46.9			Resolute
h = 25 km		MARCH 8	eP' 10 52 (35)
Mould Bay		U.S.C.G.S.	i 10 52 48
P 19 15 11		22.3N, 39.1E	
Penticton		Mozambique Channel	MARCH 8
eP 19 15 32		H = 01 54 40.5	U.S.C.G.S.
		h = 25 km	46.0N, 152.7E
MARCH 7		Alberni	Kurile Islands
U.S.C.G.S.		eP' 1 02 14 32	H = 10 47 03.9
36.4N, 71.6E		Banff	h = 48 km
Hindu Kush		eP' 1 02 15 16	Alert
H = 19 20 01.1		Penticton	P 10 56 00
h = 100 km		iP' 1 02 14 27 d	Mould Bay
Mould Bay		Victoria	P 10 55 21
P 19 30 48		eP' 1 02 14 32	Penticton
			iP 10 56 40 d
MARCH 7		MARCH 8	Resolute
U.S.C.G.S.		Penticton	eP 10 56 09
27.1N, 57.1E		eP 07 07 56	
Iran			MARCH 8
H = 21 08 03.4			H = 16 52 45
h = 25 km			Mag 1.1
Mould Bay		MARCH 8	Victoria
P 21 19 54		U.S.C.G.S.	eP ₁ 16 52 51.0
		17.9N, 146.5E	eS ₁ 16 52 55.4
MARCH 7		Mariana Islands	D = 36 km
Penticton		H = 08 11 12.9	
P 23 57 41		h = 131 km	
		Mould Bay	
		P 08 22 41	MARCH 8
			London, Ont.
			P 17 12 19

SEISMOLOGICAL BULLETIN - 1962

MARCH 8	MARCH 9	Mould Bay
Penticton	U.S.C.G.S.	P 22 20 57
eP 18 37 18	24.5S, 179.6W	Penticton
	Fiji Islands region	eP 22 20 51
	H = 17 30 02	Seven Falls
MARCH 8	h = 586 km	iP' 22 26 35 c
H = 19 07 40	Penticton	Shawinigan Falls
Mag 1.7	iP 17 42 04	eP' 22 26 34 c
Penticton		
P ₁ 19 08 05.1		
S ₁ 19 08 24.4		
D = 158 km	MARCH 9	MARCH 9
	Penticton	H = 22 41 38
	iP 18 22 45	Mag 2.4
MARCH 8		Penticton
U.S.C.G.S.		P ₁ 22 42 04.1
3.4S, 29.2E		S ₁ 22 42 24.4
Republic of the Congo		D = 166 km
H = 21 38 35.4		
h = 25 km		
Penticton		
eP' 21 57 40		
MARCH 9		
U.S.C.G.S.		
18.4S, 178.7W		
Fiji Islands		
H = 06 57 08.7		
h = 472 km		
Alberni		
eP 07 08 47		
Mould Bay		
P 07 10 11		
Penticton		
iP 07 08 59 d		
Resolute		
eP' 07 14 42		
MARCH 9		
Canadian Arctic		
H = 13 07 22.5		
Mag 2.2		
Resolute		
iP ₁ 13 07 58		
iS ₁ 13 08 25		
D = 221 km		
	MARCH 9	
	U.S.C.G.S.	
	5.8S, 146.4E	
	Near coast of New	
	Guinea	
	H = 22 07 35.6	
	h = 76 km	
	Alberni	
	eP 22 20 48	
	MARCH 10	
	Resolute	
	eP 01 32 (22)	

DOMINION OBSERVATORIES

MARCH 10	Mould Bay	MARCH 10
Mould Bay	eP 08 55 38 c	Penticton
P 03 59 35	Penticton iP 08 57 03 d	eP 20 15 08
	Resolute eP 08 56 (10) c	
MARCH 10		MARCH 10
U.S.C.G.S.		Penticton
31.2S, 178.3W		eP 20 19 37
Kermadec Islands	MARCH 10	
H = 04 59 27.5	U.S.C.G.S.	
h = 69 km	24.6N, 120.1E	MARCH 10
Alert	Off coast of Formosa	H = 22 38 00
P' 05 18 17	H = 12 25 45.3	Mag 2.0
Penticton	h = 121 km	Alberni
eP 05 12 45	Mould Bay	eP ₁ 22 38 08.7
Resolute	P 12 37 07	eS ₁ 22 38 15.6
eP' 05 18 05	Resolute	D = 56 km
Seven Falls	eP 12 37 38	
eP' 05 18 14		
MARCH 10	MARCH 10	MARCH 10
Penticton	Victoria	Mould Bay
eP 07 17 08	eP 12 45 40	P 23 04 26
		Resolute
		eP 23 04 38
MARCH 10	MARCH 10	MARCH 10
Penticton	Penticton	Penticton
eP 08 10 16	eP 13 00 37	eP 23 29 53
MARCH 10	MARCH 10	MARCH 11
Mould Bay	Penticton	U.S.C.G.S.
P 08 15 12	eP 14 27 55	14.8N, 91.2W
Resolute		Guatemala
eP 08 15 (16)	MARCH 10	H = 02 26 05.7
	Penticton	h = 206 km
	eP 17 07 48	Alberni
MARCH 10		eP 02 33 58
Penticton		London
eP 08 55 50	MARCH 10	eP 02 31 53
	Mould Bay	Mould Bay
	P 18 32 58	P 02 36 15
MARCH 10		Penticton
U.S.C.G.S.		iP 02 33 38
23.2N, 120.6E	MARCH 10	Resolute
Formosa	Mould Bay	eP 02 35 52
H = 08 44 00.1	P 19 08 06	Seven Falls
h = 31 km		iP 02 32 53 c
Alert		
eP 08 55 40		

SEISMOLOGICAL BULLETIN - 1962

Shawinigan Falls		London, Ont.	MARCH 11
eP 02 32 44		P 15 33 58	U.S.C.G.S.
Victoria		Mould Bay	9.0N, 126.7E
eP 02 33 37 c		P 15 30 13	Near coast of
		Penticton	Mindanao,
		iP 15 30 52 c	Philippine Islands
MARCH 11		Resolute	H = 19 19 05.6
Penticton		eP 15 31 05 c	h = 25 km
eP 06 11 05		Seven Falls	Alberni
		iP 15 34 08 d	P ₁ 19 32 28
MARCH 11		Shawinigan Falls	Alert
U.S.C.G.S.		eP 15 34 06	P 19 31 58
13.9S, 172.1E		Victoria	Banff
New Hebrides		eP 15 30 38	eP 19 32 49
H = 07 18 56.7		MARCH 11	Halifax
h = 133 km		Mould Bay	eP' 19 38 18.5
Penticton		P 15 36 19	London
eP 07 31 33		Penticton	P' 19 38 00
		iP 15 36 38	Mould Bay
MARCH 11		MARCH 11	iP 19 31 51 c
Resolute		U.S.C.G.S.	Penticton
eP 09 26 01		19.4N, 144.9E	eP 19 32 43
MARCH 11		Mariana Islands region	Resolute
H = 14 46 55		H = 16 16 24.1	eP 19 32 17
Mag 1.8		h = 428 km	Seven Falls
Alberni		Mould Bay	eP' 19 37 58
eP ₁ 14 47 06.2		P 16 27 12	Shawinigan Falls
eS ₁ 14 47 14.4		Resolute	eP' 19 38 00
D = 67 km		eP 16 27 46	Victoria
MARCH 11		MARCH 11	eP 19 32 27
U.S.C.G.S.		Penticton	MARCH 11
52.3N, 178.0E		iP 18 22 44	U.S.C.G.S.
Rat Islands		MARCH 11	8.7N, 126.3E
H = 15 23 40.7		Penticton	Mindanao,
h = 135 km		eP 19 27 34	Philippine Islands
Alberni		MARCH 11	H = 19 58 49.6
eP 15 30 28		Penticton	h = 171 km
Alert		eP 20 11 29	Alert
iP 15 31 26 d		Mould Bay	P 20 11 22
Banff		Penticton	eP 20 12 16
eP 15 31 04		Resolute	Resolute
Halifax		iP 20 11 48	eP 20 11 48
iP 15 34 41 d		i 20 14 00	i 20 14 00

DOMINION OBSERVATORIES

MARCH 11	Penticton	MARCH 12
Mould Bay	P ₁ 01 20 49.0	Penticton
P 20 19 59	S ₁ 01 21 15.0	iP 08 51 41 d
Resolute	D = 279 km	
eP 20 20 25	Victoria	
	eP ₁ 01 20 30.5	MARCH 12
	eS ₁ 01 20 48.8	U.S.C.G.S.
MARCH 11	D = 138 km	9.0N, 83.0W
Shawinigan Falls		Costa Rica
eP 20 36 40		H = 09 41 45.7
		h = 113 km
MARCH 11	MARCH 12	Alberni
U.S.C.G.S.	U.S.C.G.S.	eP 09 50 58
8.7N, 126.2E	4.6N, 125.8E	Alert
Mindanao P.I.	Celebes Sea	P 09 53 12
H = 21 23 10.5	H = 01 07 38.7	Banff
h = 157 km	h = 44 km	eP 09 50 32
Mould Bay	Resolute	Halifax
iP 21 35 44 c	eP 01 21 09	eP 09 49 10 d
Resolute	MARCH 12	London, Ont.
eP 21 36 11	Mould Bay	P 09 48 24
	P 01 22 23	Mould Bay
MARCH 11	Resolute	P 09 52 55
Penticton	eP 01 22 50 c	Penticton
eP 23 26 27		iP 09 50 36
	MARCH 12	Resolute
	Resolute	eP 09 52 23 (d)
MARCH 11	eP 02 05 25	Seven Falls
Mould Bay		iP 09 49 09 d
P 23 30 16		Shawinigan Falls
		eP 09 49 01
MARCH 12	MARCH 12	Victoria
Resolute	U.S.C.G.S.	eP 09 50 48
eP 01 11 07	34.1N, 70.9E	
	Hindu Kush	MARCH 12
	H = 02 11 09.6	Penticton
	h = 44 km	iP 09 59 35 c
	Mould Bay	
MARCH 12	P 02 22 16	
49°43'N, 123°17'W		MARCH 12
Northwest of Squamish,		U.S.C.G.S.
B.C.		8.1N, 83.0W
H = 01 20 06	MARCH 12	Near coast of Panama
Mag 2.4	Penticton	and Costa Rica
Alberni	eP 07 46 52	H = 11 40 12.8
eP ₁ 01 20 28.3		h = 58 km
eS ₁ 01 20 45.1	MARCH 12	
D = 126 km	Penticton	
	iP 07 48 58 c	

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Alberni		Penticton	MARCH 12
eP	11 49 38	eP	13 36 00 U.S.C.G.S.
Alert		Seven Falls	2.9S, 80.2W
P	11 51 51	eP	13 34 40 d Ecuador
Banff		Shawinigan Falls	H = 16 57 46.8
eP	11 49 11	eP	h = 25 km Mould Bay
Halifax			P 17 10 07
eP	11 47 49.5		
London, Ont.		MARCH 12	
iP	11 47 03 d	Penticton	
Mould Bay		IP	13 41 18 d MARCH 12
P	11 51 27		Victoria
Penticton			eP 17 50 33
iP	11 49 15 d	MARCH 12	
Resolute		U.S.C.G.S.	
eP	11 51 01	8.3N, 83.1W	MARCH 12
Seven Falls		Near coast of Panama	U.S.C.G.S.
iP	11 47 (50) d	H = 13 42 33.4	10.6S, 161.4E
Shawinigan Falls		h = 24 km	Solomon Islands region
eP	11 47 40	Mould Bay	H = 19 29 25.8
Victoria		P	h = 138 km
eP	11 49 25	Penticton	Penticton
		eP	19 42 18
MARCH 12		Resolute	
Victoria		eP	13 53 (21)
eP	12 04 21 c	Shawinigan Falls	MARCH 12
		eP	13 50 00 Penticton
			P 21 13 20
MARCH 12		MARCH 12	
Alberni		Penticton	MARCH 12
eP	12 19 13 c	eP	15 00 39 Penticton
Mould Bay			iP 22 48 55
P	12 17 59	MARCH 12	
Penticton		Resolute	MARCH 13
iP	12 19 32 c	eP	15 11 51 Penticton
Resolute			eP 00 07 42
eP?	12 18 47	MARCH 12	
i	12 19 38	Penticton	MARCH 13
		eP	15 43 12 Penticton
MARCH 12			eP 01 15 23
U.S.C.G.S.		MARCH 12	
22.7S, 68.3W		Penticton	
Chile-Bolivia border		eP	
H = 13 23 40.8		16 43 34 MARCH 13	
h = 158 km		Penticton	
		eP 02 10 20	
		Mould Bay	
		P 02 12 18	

DOMINION OBSERVATORIES

MARCH 13	Penticton	MARCH 13	Penticton	MARCH 13	Resolute
	iP 03 05 23 d		eP 11 00 32		eP 18 43 16
MARCH 13	Penticton	MARCH 13	Penticton	MARCH 13	Penticton
	iP 04 47 59 c		iP 11 39 33		eP 19 58 57
MARCH 13	U.S.C.G.S.	MARCH 13	U.S.C.G.S.	MARCH 13	Mould Bay
	37.3N, 138.3E		2.9N, 128.8E		P 20 23 33
Honshu Japan		Molucca Passage			
H = 06 07 47.4		H = 11 29 48.6			
h = 42 km		h = 152 km			
Mould Bay		Resolute		MARCH 13	Penticton
P 06 17 31		eP 11 43 12 d			eP 20 55 56
Penticton					
eP 06 18 55					
Resolute		MARCH 13	Penticton	MARCH 13	Mould Bay
eP 06 18 11		eP 13 14 49			P 21 58 01
MARCH 13	Resolute	MARCH 13	Penticton	MARCH 13	Resolute
eP 08 11 (16)		iP 14 11 29			eP 21 58 29 c
Penticton					
iP 08 54 38					
MARCH 13	Penticton	MARCH 13	Penticton	MARCH 13	Penticton
				H = 23 51 00	
				Mag 1.9	
				P 23 51 26.5	
				S 23 51 46.2	
				D = 162 km	
MARCH 13	Penticton	MARCH 13	Penticton	MARCH 14	
	eP 09 30 26		eP 15 28 57	H = 01 49 10	
MARCH 13	Mould Bay	MARCH 13	Mould Bay	Mag 2.0	
	P 09 33 58		P 15 56 36	Alberni	
				P 01 49 18.7	
				S 01 49 25.2	
				D = 53 km	
MARCH 13	Penticton	MARCH 13	Penticton	Victoria	
	eP 10 44 27		P 17 34 41.8	eP 01 49 35.9	
				eS 01 49 55.7	
				D = 171 km	
MARCH 13	Penticton	MARCH 13	Penticton		

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MARCH 14	MARCH 14	MARCH 15
Mould Bay P 03 15 36	Penticton eP 11 51 04	Alberni eP 00 40 24
Penticton eP 03 13 23		Alert P 00 42 28
Resolute eP? 03 15 10	MARCH 14 Penticton eP 12 14 07	Mould Bay P 00 40 57
i 03 15 18		Penticton iP 00 40 56 c
MARCH 14 Penticton eP 06 12 48	MARCH 14 Mould Bay P 12 36 52 e 12 37 31	Resolute eP 00 41 46
MARCH 14 Penticton eP 06 18 05	Penticton iP 12 35 11 c Resolute eP 12 36 30	Victoria eP 00 40 34
MARCH 14 Mould Bay P 08 14 31	Seven Falls eP 12 33 34	MARCH 15 Mould Bay P 01 08 38
Resolute eP 08 15 09	Shawinigan Falls eP 12 33 30	Resolute eP 01 09 27
MARCH 14 U.S.C.G.S. 8.8N, 126.8E	MARCH 14 Penticton eP 17 49 18	MARCH 15 U.S.C.G.S. 45.7N, 151.3E
Mindanao, Philippine Islands H = 08 27 22.4 h = 28 km	Penticton eP 18 39 29	Kurile Islands region H = 01 51 19.4 h = 43 km
Alert P 08 40 18	Resolute eP 18 39 21	Alberni eP 02 00 42
Mould Bay iP 08 40 10 c	MARCH 14 Penticton eP 20 01 37	Alert P 02 00 20
Resolute eP 08 40 37		Mould Bay P 01 59 42
MARCH 14 Penticton eP 09 19 34	Penticton iP 20 29 17 d	Penticton iP 02 01 04 c
MARCH 14 Mould Bay P 10 54 23	Resolute eP 20 31 (03)	Resolute eP 02 00 29
		MARCH 15 Alberni eP 04 42 01
		Alert P 04 44 04
		Mould Bay P 04 42 34
		Penticton iP 04 42 33 c

DOMINION OBSERVATORIES

Resolute		MARCH 15		Mould Bay
eP	04 43 23	Mould Bay		iP 09 53 17 c
Victoria		iP 22 54 00 c		Penticton
eP	04 42 10	Penticton		iP 09 54 38 d
		iP 22 54 40 c		Resolute
MARCH 15		Resolute		eP 09 53 51 c
Alberni		eP 22 54 53 c		
eP	05 30 31	Seven Falls		
Penticton		eP 22 57 56		MARCH 16
iP	05 29 56.7			Penticton
Victoria		MARCH 16		eP 14 24 11
eP	05 30 03.4	Mould Bay		
		P 00 59 29		MARCH 16
MARCH 15				Resolute
Penticton				eP 16 59 47
eP	06 51 45	MARCH 16		
		Penticton		
		eP 03 11 53		MARCH 16
MARCH 15				Penticton
Mould Bay		MARCH 16		eP 18 06 53
P	09 08 10	H = 04 48 53.2		
Penticton		Mag 1.7		
iP	09 08 41 c	Victoria		MARCH 16
		eP ₁ 04 49 07.8		Mould Bay
		IS ₁ 04 49 18.9		P 19 46 51
MARCH 15		D = 01 km		Penticton
U.S.C.G.S.				eP 19 46 26
20.6S, 178.8W				
Fiji Islands region		MARCH 16		
H = 13 07 06.9		Mould Bay		MARCH 16
h = 623 km		P 05 21 51		Penticton
Penticton		Penticton		eP 19 49 55
iP	13 18 53 d	iP 05 22 28		
		Resolute		
		eP 05 22 52		MARCH 16
MARCH 15				U.S.C.G.S.
Penticton		MARCH 16		10.8S, 165.7E
eP	19 43 49	Penticton		Santa Cruz Islands
		eP 06 16 53		region
MARCH 15				H = 19 42 39.2
U.S.C.G.S.		MARCH 16		h = 25 km
7.1S, 106.1E		U.S.C.G.S.		Alberni
Near coast of Java		26.8N, 127.2E		eP 19 55 14
H = 21 13 04.1		Ryukyu Islands region		Banff
h = 83 km		H = 09 42 24.7		eP 19 55 44
London, Ont.		h = 176 km		Mould Bay
e	21 28 28			P 19 56 09
P'	21 32 31			Penticton
				eP 19 55 30 c

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Resolute	MARCH 17	Halifax
eP? 19 56 (35)	U.S.C.G.S.	eP 20 54 51
Seven Falls	51.4N, 159.2E	London, Ont
eP' 20 01 29	Kurile Islands region	P 20 55 55
Shawinigan Falls	H = 17 58 38.6	Mould Bay
eP' 20 01 27	h = 25 km	P 20 59 17
Victoria	Alert	Penticton
eP 19 55 18	iP 18 06 51 c	iP 20 58 58
MARCH 16	Mould Bay	Resolute
Penticton	P 18 06 03	eP 20 58 40
P 21 21 50	Penticton	Seven Falls
	eP 18 07 27	eP 20 55 29
MARCH 16	Resolute	Shawinigan Falls
H = 23 59 28	eP 18 06 55	eP 20 55 33
Mag 2.1	i 18 08 35	Victoria
Penticton	Seven Falls	eP 20 59 16
P ₁ 23 59 52.1	eP 18 10 07	MARCH 18
S ₁ 24 00 10.3	Shawinigan Falls	Mould Bay
D = 149 km	eP 18 10 06	P 00 18 09
MARCH 17	MARCH 17	Penticton
Mould Bay	U.S.C.G.S.	eP 00 31 54
P 03 08 17	9.8N, 122.5E	Resolute
Resolute	Near coast of Negros	iP 00 30 54 c
eP 03 09 (17)	Island, Philippine Islands	MARCH 18
	H = 18 56 39.3	U.S.C.G.S.
	h = 25 km	36.0S, 176.9W
	Mould Bay	Off coast of New Zealand
	P 19 09 24	H = 00 40 09.8
	Resolute	h = 25 km
	eP 19 09 51 c	Resolute
MARCH 17	MARCH 17	eP' 00 59 07
Resolute	Penticton	
eP 04 37 10	eP 19 47 39	
MARCH 17	MARCH 17	
Penticton	U.S.C.G.S.	
eP 11 04 03	10.6N, 43.7W	
MARCH 17	North Atlantic Ocean	
Mould Bay	H = 20 47 31.7	
P 11 38 07	h = 25 km	
	Alberni	
	eP 20 59 21	
	Alert	
	P 20 58 58	
	Penticton	
	eP 01 39 55	

DOMINION OBSERVATORIES

MARCH 18 Penticton eP 02 58 29	MARCH 18 Victoria iP 06 07 24 c	MARCH 18 Victoria eP 15 53 42 c
MARCH 18 U.S.C.G.S. 16.5S, 168.2E New Hebrides region H = 03 06 39.4 h = 14 km Penticton eP 03 19 26	MARCH 18 U.S.C.G.S. 9.1N, 126.4E Mindanao, Philippine Islands H = 14 54 59.3 h = 44 km Mould Bay P 15 07 42	MARCH 18 Southern Vancouver Island H = 17 22 38.5 Mag 1.7 Alberni eP ₁ 17 22 42.3 iS ₁ 17 22 45.2 D = 24 km
Shawinigan Falls eP' 03 25 15	Resolute eP 15 08 12	Victoria ePew 17 22 54.0 iSew 17 22 56.8 d D = 97 km
MARCH 18 48.2°N, 123.0°W South Puget Sound U.S.A. H = 04 09 42 Mag 2.1 Penticton P ₁ 04 10 31.3 S ₁ 04 11 05.8 D = 347 km Victoria P ₁ 04 10 06.8 S ₁ 04 10 25.4 D = 153 km	MARCH 18 Penticton eP 15 23 27	MARCH 18 U.S.C.G.S. 23.7N, 114.5E China H = 20 18 54.3 h = 43 km Alert P 20 30 29 Mould Bay P 20 30 34 Penticton eP 20 32 07 Resolute eP 20 31 03
MARCH 18 U.S.C.G.S. 40.6N, 142.4E Off coast of Honshu, Japan H = 05 28 21.3 Alert iP 05 38 05 c Mould Bay iP 05 37 41 c Penticton iP 05 39 02 c Resolute eP 05 38 22 c	MARCH 18 U.S.C.G.S. 40.6N, 19.6E Albania H = 15 30 31.6 h = 25 km Alberni eP 15 43 08 Alert iP 15 39 16 c Banff iP 15 42 44 c Halifax iP 15 40 29 London, Ont. P 15 41 45 Mould Bay iP 15 40 41 c Penticton iP 15 43 00 Resolute eP 15 40 19 c Seven Falls iP 15 40 52 c Victoria eP 15 43 10 c	MARCH 18 H = 21 47 13 Mag 1.0 Victoria iP ₁ 21 47 17.5 eS ₁ 21 47 21.0 D = 28 km MARCH 19 Penticton eP 02 45 38

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MARCH 19

U.S.C.G.S.
57.3S, 147.2E
South of Tasmania
H = 04 49 31.7
h = 25 km
Mould Bay
P' 05 09 06
Resolute
eP' 05 09 16
i 05 09 26

MARCH 19

U.S.C.G.S.
2.3S, 77.1W
Ecuador
H = 14 00 08.9
h = 119 km
Alert
P 14 12 35
Mould Bay
P 14 12 20
Penticton
eP 14 10 28

MARCH 20

Southeastern British Columbia
H = 04 41 46
Mag 2.8
Banff
eP_Z 04 42 06
eS₁ 04 42 26
D = 164 km
Penticton
iP 04 42 29
D = 298 km
Victoria
P 04 43 07
D = 609 km

MARCH 19

U.S.C.G.S.
0.3N, 123.5E
Celebes Islands
H = 05 54 24.4
h = 53 km
Alberni
eP 06 08 25
Alert
P 06 07 54
Banff
eP 06 08 46
e 06 12 50
Halifax
eP' 06 13 31
London, Ont.
P' 06 13 17
PKS 06 16 48
Mould Bay
iP 06 07 49 c

MARCH 19

Penticton
eP 19 10 10
MARCH 19
U.S.C.G.S.
4.3S, 103.1E
Near coast of Sumatra
H = 20 57 24.2
h = 100 km
Penticton
iP' 21 16 10 d

MARCH 20

Southeastern B.C.
H = 09 16 05
Mag 1.8
Banff
P₁ 09 16 39
S₁ 09 17 03
D = 224 km
Penticton
P₁ 09 16 32.4
S₁ 09 16 53.0
D = 169 km

MARCH 19

Resolute
eP? 23 15 59

MARCH 20

U.S.C.G.S.
27.9N, 111.2W
Gulf of California
H = 10 03 58.3
h = 25 km
Penticton
eP 10 08 59
Victoria
eP 10 09 09

Seven Falls
eP' 06 13 20 c
i 06 13 33
i 06 16 45
Shawinigan Falls
eP' 06 13 21
i 06 13 33
Victoria
eP 06 08 29
e 06 12 44 d

MARCH 20

U.S.C.G.S.
15.8N, 94.5W
Gulf of Tehuantepec
H = 01 36 30.3
h = 25 km
Mould Bay
P 01 46 48
Penticton
eP 01 43 58
Resolute
eP 01 46 27

MARCH 20

Mould Bay
iP 15 49 36 c
Resolute
eP 15 50 15

MARCH 20

Resolute
P 03 47 04 d

DOMINION OBSERVATORIES

MARCH 20	MARCH 20	MARCH 21
U.S.C.G.S.	H = 21 31 14.8	U.S.C.G.S.
50.8N, 129.7W	Mag 1.8	22.2S, 170.4E
Queen Charlotte	Alberni	Loyalty Islands
Sound area	eP1 21 31 26.6	H = 02 30 18.5
H = 16 31 48.3	iS1 21 31 35.6	h = 25 km
h = 25 km	D = 74 km	Seven Falls
Mag 4.5		eP' 02 49 17 d
Alert	MARCH 20	Shawinigan Falls
P 16 38 58	Mould Bay	P' 02 49 14
Alberni	P 22 41 35	
eP1 16 32 42.8		MARCH 21
eS1 16 33 45.2		Penticton
D = 392 km		eP 06 03 46
Mould Bay	MARCH 20	
eP 16 37 21 d	U.S.C.G.S.	MARCH 21
Penticton	32.0N, 94.6E	Canadian Arctic
P1 16 33 27	Tibet	H = 04 25 17.9
D = 746 km	H = 23 10 38.1	Mag 0.8
Resolute	h = 25 km	Resolute
eP 16 37 39	Resolute	iP1 04 25 24.5
Victoria	eP 23 22 07	iS1 04 25 29.5
eP1 16 32 57.9		D = 41 km
eS1 16 34 13		
D = 524 km	MARCH 21	
	Resolute	MARCH 21
	eP? 00 00 26	U.S.C.G.S.
MARCH 20		4.4S, 80.7W
Resolute		Near coast of Peru
eP 17 58 27	MARCH 21	H = 06 11 26.2
	U.S.C.G.S.	h = 78 km
	62.1N, 152.7W	Mould Bay
MARCH 20	Southern Alaska	P 06 23 47
U.S.C.G.S.	H = 01 53 13.3	
22.8N, 143.2E	h = 122 km	Penticton
Mariana Islands region	Alert	iP 06 21 49 c
H = 18 52 55.8	P 01 59 04	Seven Falls
h = 98 km	Mould Bay	iP 06 20 28 c
Alert	P 01 57 16	Shawinigan Falls
iP 19 04 27 d	Penticton	eP 06 20 22
Mould Bay	iP 01 58 04 c	
P 19 04 00	Resolute	
Pentiction	eP 01 58 14	
iP 19 04 40 d	Seven Falls	MARCH 21
Resolute	iP 02 01 28 c	Mould Bay
eP 19 04 37 d	Shawinigan Falls	P 08 05 28
	eP 02 01 24	Resolute
		eP 08 05 56

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MARCH 21		Halifax	MARCH 22
Penticton	eP' 10 40 26	23 16 13	Penticton eP 00 44 47
		London, Ont.	
		eP' 23 16 12 d	
		Mould Bay	
MARCH 21		P 23 10 54	MARCH 22
H = 16 28 14		Penticton	Penticton
Mag 2.0	iP' 23 15 33 d		iP 00 47 48 d
Alberni	Resolute		
eP' 16 28 23.4	iP 23 11 17		
iS' 16 28 30.8	eP' 23 15 16		
D = 60 km	Seven Falls		MARCH 22
	eP' 23 16 05		U.S.C.G.S.
MARCH 21	Shawinigan Falls		6.0S, 113.0E
H = 19 52 45	eP' 23 16 06		Java Sea
Mag 1.8			H = 00 37 36.8
Penticton			h = 595 km
P' 19 53 10.6	MARCH 21		Halifax
S' 19 53 30.5	Penticton	eP' 00 54 55 c	
D = 163 km	iP 23 28 02 c	London, Ont.	
	Resolute	eP' 00 54 51 c	
	eP 23 27 44	Penticton	iP' 00 55 18
MARCH 21			i 00 56 38 c
U.S.C.G.S.			Seven Falls
48.6N, 153.4E	MARCH 22	iP' 00 55 10 c	
Kurile Islands	U.S.C.G.S.	Shawinigan Falls	
H = 21 04 15.6	5.9S, 112.9E	eP' 00 55 07	
h = 25 km	Java Sea		
Mould Bay	H = 00 19 43.1		MARCH 22
P 21 12 15	h = 611 km		Canadian Arctic
Penticton	Alberni		H = 01 28 44.8
eP 21 13 39	eP' 00 37 22		Mag 1.9
Resolute	Halifax		Resolute
eP 21 13 03	eP' 00 38 07 c	P' 01 29 19	
MARCH 21	London, Ont.	S' 01 29 45	
Penticton	eP' 00 38 06 c	D = 213 km	
eP 21 25 05	Mould Bay		
	P 00 32 47		
	PKKP 00 48 31		
	Penticton		MARCH 22
	iP' 00 37 27 c		U.S.C.G.S.
	Resolute		18.9S, 173.1W
	eP 00 33 11		Fiji Islands
	eP' 00 37 09		H = 01 50 52.4
	Seven Falls		h = 60 km
	eP' 00 37 59		Penticton
	Shawinigan Falls		iP 02 03 12
	pP 00 37 32 c		
	eP' 00 38 01		
	SKP 00 40 48		
Banff			
eP' 23 15 36			

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MARCH 22	Alert	MARCH 22
U.S.C.G.S.	P 15 26 49	U.S.C.G.S.
15.8S, 167.6E	London, Ont.	28.1S, 67.5W
New Hebrides Islands	iP' 15 32 05 d	Argentina
H = 06 21 08.1	Mould Bay	H = 18 59 00.8
h = 15 km	P 15 26 27	h = 217 km
Mould Bay	Penticton	London, Ont.
P' 06 39 06	eP 15 26 43	iP 19 10 03 d
Resolute	Resolute	Penticton
eP' 06 39 00	eP 15 26 55	iP 19 11 37
MARCH 22	Seven Falls	Seven Falls
Mould Bay	iP' 15 32 (10) d	iP 19 10 (23) d
P 10 43 55	Shawinigan Falls	Shawinigan Falls
	eP' 15 32 09 d	eP 19 10 20
MARCH 22	MARCH 22	MARCH 22
U.S.C.G.S.	Dominion Observatory	U.S.C.G.S.
32.2S, 66.9W	86°N, 58°W	15.7S, 68.7W
Argentina	North of Greenland	Bolivia
H = 12 07 05.5	H = 15 57 14	H = 20 50 24.9
h = 249 km	Mag 3.4	h = 100 km
London, Ont.	Alert	Resolute
P 12 18 32	iP _n 15 58 06.5 c	eP 21 03 26
Penticton	iS _n 15 58 45.0	
iP 12 20 01 d	Lg Absent	
Seven Falls	D = 390 km	MARCH 22
iP 12 18 54 d	Mould Bay	H = 23 12 20
MARCH 22	Not recorded	Mag 1.1
Penticton	Resolute	Penticton
eP 14 04 36	S _n 16 00 20	P ₁ 23 12 30.8
	D = 1410 km	S ₁ 23 12 39.4
	MARCH 22	D = 70 km
MARCH 22	U.S.C.G.S.	MARCH 22
Penticton	2.1S, 139.3E	H = 23 55 00
eP 14 57 34	Near coast of New Guinea	Mag 1.9
	H = 16 16 26.4	Penticton
	h = 44 km	P ₁ 23 55 25.2
	Seven Falls	S ₁ 23 55 44.7
MARCH 22	iP' 16 35 (34) c	D = 160 km
U.S.C.G.S.	Shawinigan Falls	
3.2S, 142.3E	eP' 16 35 31	
Near coast of New Guinea		
H = 15 13 03.9		
h = 25 km		
Mag 5 3/4		

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MARCH 23		MARCH 24		MARCH 24
U.S.C.G.S.		U.S.C.G.S.		Penticton
17.4S, 178.9W		17.8S, 173.0W		eP 18 35 13
Fiji Islands		Fiji Islands		
H = 00 15 34.4		H = 01 34 07.9		
h = 576 km		h = 25 km		
Penticton		Banff		MARCH 24
iP 00 27 12 c		eP 01 46 43		H = 23 55 53
		Penticton		Mag 1.8
		eP 01 46 26		Penticton
MARCH 23				P1 23 56 18.5
Resolute				S1 23 56 38.3
eP 04 36 30				D = 162 km
MARCH 23		MARCH 24		MARCH 25
U.S.C.G.S.		Resolute		47°11'N±20',
38.0S, 72.8W		eP? 11 04 49		69°28'W±20'
Near coast of Chile				Northwestern Maine-
H = 05 34 40.5				Quebec boundary
h = 67 km				H = 02 02 20.7
Seven Falls				Mag 3.3
eP 05 47 (09)				Montreal
Shawinigan Falls				e 02 03 20
eP 05 47 07 d				i 02 03 54
				S1 02 04 05.5
MARCH 23		MARCH 24		D = 273 km
Penticton		U.S.C.G.S.		Seven Falls
eP 07 15 32		5.7S, 145.0E		P1 02 02 37
		Near coast of New Guinea		i 02 02 39.5
		H = 12 59 30.9		S1 02 02 50.0
		h = 111 km		D = 106.5 km
		Alberni		Shawinigan Falls
		eP 13 12 42		(P1) 02 03 03
		Alert		S1 02 03 34.7
		P 13 13 16		D = 260 km
MARCH 23		London, Ont.		
Penticton		P' 13 18 18		
eP 10 11 11		Mould Bay		
		P 13 12 56		
		Penticton		
		iP 13 12 58		MARCH 25
		Resolute		Penticton
		eP 13 13 (20)		eP 02 23 12
		Seven Falls		
		eP' 13 18 (16)		
		Shawinigan Falls		
		eP' 13 18 14		MARCH 25
		Victoria		47°34'N±15',
		eP 13 12 38		66°01'W±15'
MARCH 23				About 20 miles W.S.W.
Mould Bay				of Bathurst, N.B.
P 23 22 47				H = 05 15 04.9
				h = 32 km
MARCH 24				Mag 4.0
Penticton				
eP 00 14 24				

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	MARCH 25	MARCH 25
Halifax	U.S.C.G.S. 51.2N, 169.8W Fox Islands H = 08 12 38.0 h = 45 km	Penticton eP 08 53 48
Pn 05 15 55.0 P1 05 16 05.8 Sn 05 16 31.4 S1 05 16 51.5 D = 376 km		
Montreal	Alert iP 08 20 28 c London, Ont. P 08 22 25	MARCH 25 U.S.C.G.S. 49.5S, 8.7W Northwest of Bouvet Island
Sn 05 17 23.6 S1 05 17 58 D = 622 km		H = 11 44 27.7 h = 25 km
Seven Falls	Mould Bay P 08 19 03 Penticton eP 08 19 01 S1 05 16 49 D = 368 km	Mould Bay P' 12 03 51 Penticton iP' 12 03 47 d
Shawinigan Falls	Resolute eP 08 19 53 Sn 05 17 03 S1 05 17 32 D = 524 km	Resolute eP' 12 03 (36) i 12 03 47
MARCH 25	MARCH 25	MARCH 25
Penticton eP 06 03 35	Penticton eP 08 42 20	Penticton eP 14 25 53
MARCH 25	MARCH 25	MARCH 25
Mould Bay P 07 28 48 Resolute eP? 07 29 15	65.0°N ⁺ 1.0°, 135.7°W ⁺ 2.5° Between Wind River and Hart River about 300 miles north of Whitehorse, N.W.T. H = 08 43 31 Mag 4.6	Mould Bay P 14 36 35 Resolute i 14 36 26
MARCH 25	Alert Not recorded	MARCH 25 U.S.C.G.S. 6.8N, 73.1W
Penticton eP 07 34 25	Mould Bay Pn 08 46 24 Sn 08 48 28	Colombia H = 15 28 45.9 h = 112 km
MARCH 25	D = 1378 km	Mould Bay P 15 40 09
Penticton eP 07 36 33	Resolute Pn 08 47 19 Sn 08 50 05	Penticton iP 15 38 26 c
MARCH 25	D = 1830 km	
Penticton eP 07 51 15	MARCH 25	MARCH 25
	Resolute eP 08 47 19 i 08 53 54	Penticton eP 19 41 17

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MARCH 25	MARCH 26	Penticton
U.S.C.G.S.	38.7N, 20.6E	eP 12 18 28
27.8N, 99.6E	Ionian Islands	Resolute
China	H = 09 22 06.7	eP 12 17 (40)
H = 20 49 09.0	h = 25 km	Seven Falls
h = 25 km	Mould Bay	eP 12 15 40
Mould Bay	P 09 32 31	Shawinigan Falls
P 21 00 41	Penticton	eP 12 15 45
Resolute	eP 09 34 47	
eP? 21 01 03	Resolute	
	eP 09 32 09	MARCH 26
MARCH 25		U.S.C.G.S.
U.S.C.G.S.		40.6S, 73.3W
36.5N, 16.7E		Near coast of Chile
Mediterranean Sea	H = 10 39 39	H = 16 32 43.6
H = 21 37 36.1	Mag 1.4	h = 32 km
h = 25 km	Victoria	Alert-
Mould Bay	iP ₁ 10 39 43.8d	iP' 16 51 37
iP 21 48 08 d	eS ₁ 10 39 47.3	Halifax
Penticton	D = 28 km	iP 16 45 20
iP 21 50 17 c		London, Ont.
Resolute	MARCH 26	P 16 45 09
eP 21 47 43	H = 11 10 25	Mould Bay
Victoria	Mag 2.5	P' 16 51 31
eP 21 50 27	Penticton	Penticton
		eP 16 46 17
MARCH 25		Resolute
U.S.C.G.S.		eP' 16 51 23
1.6N, 127.2E		e 17 01 55
Halmahera	MARCH 26	Seven Falls
H = 21 44 40.8	H = 11 41 31	eP 16 45 28 c
h = 60 km	Mag 2.6	Shawinigan Falls
Mould Bay	Penticton	eP 16 45 25 c
P 21 57 56	P _n 11 42 11.8	
Resolute	S _n 11 42 45.8	MARCH 26
eP 21 58 23	D = 279 km	H = 19 35 04
		Mag 1.8
MARCH 26		Penticton
H = 05 18 02.2		P 19 35 32.7
Mag 2.3		S 19 35 54.1
Penticton		D = 178 km
P ₁ 05 18 43.9	MARCH 26	
S ₁ 05 19 19.0	U.S.C.G.S.	
D = 287 km	0.5S, 19.2W	
	Mid-Atlantic Océan	
	H = 12 04 54.6	
	h = 25 km	
	London, Ont.	
	P 12 16 10	MARCH 26
	Mould Bay	Penticton
	P 12 18 09	eP 22 46 14

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MARCH 27	Resolute	MARCH 28
U.S.C.G.S.	eP 10 19 53	Penticton
3.9S, 129.1E	i 10 21 08	eP 00 24 09
Ceram region		
H = 05 22 32.0		
h = 96 km		
Mould Bay	MARCH 27	MARCH 28
P 05 36 01	U.S.C.G.S.	U.S.C.G.S.
Resolute	20.3S, 177.6W	36.6N, 71.6E
eP? 05 36 30	Tonga Islands	Hindu Kush
Seven Falls	H = 14 50 15.2	H = 00 51 54.7
eP' 05 41 40	h = 510 km	h = 108 km
iSKP 05 44 57 c	Penticton	Mould Bay
Shawinigan Falls		P 01 02 39
SKP 05 44 57	MARCH 27	Resolute
	Penticton	eP? 01 02 (47)
	eP 15 15 45	Shawinigan Falls
MARCH 27		eP 01 04 50 d
U.S.C.G.S.		Penticton
39.2N, 77.3E		iP 01 05 01
China	MARCH 27	MARCH 28
H = 06 15 13.4	Penticton	U.S.C.G.S.
h = 235 km	eP 19 27 29	1.4N, 97.5E
Mould Bay		Near coast of Sumatra
P 06 25 28	MARCH 27	H = 04 05 24.6
	U.S.C.G.S.	h = 74 km
	16.9N, 99.9W	London, Ont.
MARCH 27		P' 04 24 38
43°00'N±25',		Penticton
79°20'W±10'		eP' 04 24 09
Niagara Peninsula		Resolute
felt at Buffalo, N.Y.		eP? 04 19 21
H = 06 35 05.3		Seven Falls
Mag 3.0		eP' 04 24 29
London		SKP 04 27 51
iP ₁ 06 35 33.2		Shawinigan Falls
iS ₁ 06 35 54.4		eP' 04 24 31
D = 174 km		PKS 04 27 54
MARCH 27	Seven Falls	
U.S.C.G.S.	eP 21 26 50	MARCH 28
44.1N, 147.3E	Shawinigan Falls	U.S.C.G.S.
Kurile Islands	eP 21 26 46	45.7N, 83.1E
H = 10 10 26.1	Victoria	Kazakh S.S.R.
h = 31 km	eP 21 26 38	H = 13 26 19.5
Mould Bay		h = 25 km
P 10 19 09	MARCH 28	Mould Bay
Penticton	Penticton	iP 13 36 08 d
eP 10 20 31	eP 00 18 12	

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Penticton		Mould Bay		MARCH 29
eP	13 38 46	P _n	14 48 24	Southern Vancouver
Resolute		S _n	14 50 40	Island
eP?	13 36 29	D = 1525 km		H = 00 08 09
Seven Falls		Resolute		Mag 1.8
eP	13 38 54	P _n	14 47 56	Alberni
Shawinigan Falls		S _n	14 49 54	eP ₁ 00 08 26.6
eP	13 39 03	L _g	14 51 20	S ₁ 00 08 41.7
		D = 1300 km		D = 112 km
MARCH 28				Victoria
U.S.C.G.S.		MARCH 28		eP ₁ 00 08 13.4
19.4N, 108.6W		80.2°N [±] 0.5°,		iS ₁ 00 08 17.0
Off coast of Mexico		117.2°W [±] 2.5°		D = 29 km
H = 14 14 45.2		About 130 miles north-		
h = 43 km		west of Borden Island,		MARCH 29
Mould Bay		N.W.T.		H = 00 13 55
P	14 24 30	H = 16 53 36.3		Mag 1.9
Penticton		Mag 3.7		Penticton
eP	14 21 03	Alert		P ₁ 00 14 20.7
Resolute		P _n	16 55 41	S ₁ 00 14 40.7
eP	14 24 21	S _n	16 57 08	D = 164 km
		D = 968 km		
MARCH 28		Mould Bay		
Penticton		P _n	16 54 (35)	MARCH 29
eP	14 30 44	i	16 55 (03)	Penticton
		S _n	16 55 (17)	eP 00 23 28
		D = 440 km		Resolute
MARCH 28		Resolute		eP 00 21 28
32.7S, 178.0W		P _n	16 55 22	
Kermadec Islands		S _n	16 56 37	MARCH 29
H = 14 12 45.8		D = 820 km		U.S.C.G.S.
h = 104 km				51.8N, 157.2E
Resolute		MARCH 28		Near coast of
eP'	14 31 29	H = 18 11 27		Kamchatka
		Mag 2.2		H = 01 52 25.4
		Alberni		h = 155 km
MARCH 28		eP ₁	18 11 39.2 c	Alberni
Dominion Observatory		iS ₁	18 11 48.3 d	eP 02 00 46 c
82.3°N [±] 1.0°,		D = 74 km		Alert
49.8°W [±] 2.0°				iP 02 00 23 d
Northern coast of		MARCH 28		Halifax
Greenland		Penticton		eP 02 04 02.5 d
H = 14 45 12		eP	22 30 09	Mould Bay
Mag 4.4				P 01 59 39
Alert				Penticton
P ₁	14 45 43 d,N,E			iP 02 01 06 c
S ₁	14 46 06			Resolute
D = 189 km				eP 02 00 30

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Seven Falls	MARCH 29	MARCH 29
eP 02 03 41	U.S.C.G.S.	U.S.C.G.S.
Shawinigan Falls	5.4N, 81.9W	20.7N, 120.6E
eP 02 03 40	South of Panama	North of Luzon,
Victoria	H = 13 32 30.8	Phillipine Islands
eP 02 00 55 c	h = 69 km	H = 21 15 16.0
	Mould Bay	h = 94 km
	P 13 44 01	Penticton
MARCH 29	Penticton	eP 21 28 22
Penticton	iP 13 41 51	Resolute
eP 03 10 19		eP 21 27 30
	MARCH 29	
MARCH 29	U.S.C.G.S.	MARCH 29
U.S.C.G.S.	79.2N, 2.7E	Penticton
58.6N, 137.4W	Svalbard region	eP 22 30 25
Alaska	H = 19 31 08.8	
H = 03 07 02.5	h = 25 km	
h = 25 km	Mould Bay	MARCH 29
Alberni	P 19 36 01	Mould Bay
eP 03 12 52	Resolute	P 22 49 09
Mould Bay	eP 19 35 38	Resolute
P 03 11 24		eP 22 48 36
Penticton		
eP 03 14 05	MARCH 29	
Resolute	U.S.C.G.S.	MARCH 30
eP 03 12 03	0.5S, 127.4E	H = 00 12 18
Seven Falls	Halmahera region	Mag 2.1
eP 03 14 36	H = 20 09 01.9	Alberni
Victoria	h = 25 km	iP ₁ 00 12 28.4
eP 03 13 37	Mould Bay	eS ₁ 00 12 36.7
	P 20 22 27	D = 68 km
MARCH 29	Penticton	
Mould Bay	eP' 20 27 24	MARCH 30
P 03 57 06	Resolute	U.S.C.G.S.
Resolute	eP 20 22 (54)	12.9N, 143.0E
eP 03 57 33	e 20 41 44	Mariana Islands
	Seven Falls	H = 00 05 56.1
	eP' 20 28 12	h = 134 km
MARCH 29	Shawinigan Falls	Resolute
Mould Bay	eP' 20 28 13	eP 00 18 21
P 09 08 37		
	MARCH 29	
	Penticton	MARCH 30
MARCH 29	eP 21 17 53	Alberni
Penticton		eP 01 42 42
eP 12 32 45		Mould Bay
		P 01 44 40
		Resolute
		eP 01 44 (19)

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MARCH 30	Victoria	MARCH 31
Penticton	eP ₁ 22 00 34.0	Mould Bay
iP 05 13 12	eS ₁ 22 00 43.1	P 21 44 04
Resolute	D = 90 km	
eP 05 12 34		
MARCH 30		
MARCH 30	H = 23 59 26	
Penticton	Mag 1.8	
eP 08 40 37	Penticton	
	P ₁ 24 00 00.1	
	S ₁ 24 00 20.0	
MARCH 30	D = 162 km	
Penticton		
eP 13 36 47		
MARCH 31		
	U.S.C.G.S.	
MARCH 30	15.9S, 173.9W	
Penticton	Tonga Islands region	
eP 15 23 16	H = 01 16 42.9	
	h = 107 km	
Penticton		
MARCH 30	eP 01 28 45	
Penticton		
eP 19 20 48		
MARCH 31		
	Alberni	
MARCH 30	eP 12 21 23	
H = 19 45 36	Mould Bay	
Mag 1.8	P 12 21 43	
Penticton	Penticton	
P ₁ 19 46 01.8	eP 12 21 19	
S ₁ 19 46 20.7	Resolute	
D = 163 km	i 12 21 25	
	i 12 25 02	
MARCH 30		
Penticton		
eP 20 50 26		
MARCH 31		
	Victoria	
	eP 12 34 41	
MARCH 30		
48.6N, 124.6W		
Vancouver Island		
H = 22 00 20	Canadian Arctic	
Mag 1.5	H = 20 48 55	
Alberni	Mag 2.5	
eP 22 00 32.5	Resolute	
iS 22 00 42.4 d	P _n 20 49 51	
D = 82 km	S _n 20 50 31	
	D = 415 km	

DOMINION OBSERVATORIES

EARTHQUAKES IN THE CANADIAN ARCTIC

The following disturbances were recorded during the first quarter of 1962. The times of observed phases are given at their respective chronological positions in the text of this bulletin. M=magnitude.

JANUARY 2	17:55:31. M = 1.6. 121 miles from Resolute, N.W.T.
JANUARY 3	19:34:56. M = 2.1. 102 miles from Resolute, N.W.T.
JANUARY 5	23:56:28. $82.8^\circ N \pm 0.5^\circ$, $90.9^\circ W \pm 2.0^\circ$. Depth 25 km. M = 3.5. About 48 miles northwest of Alert Pt., Ellesmere Island, N.W.T.
JANUARY 6	04:24:19. $78.5^\circ N \pm 0.5^\circ$, $90.4^\circ W \pm 2.0^\circ$. Depth 20 km. M = 3.9. Near the southern tip of Axel Heiberg Island, N.W.T.
JANUARY 12	03:56:19. M = 1.3. 35 miles from Mould Bay, N.W.T.
JANUARY 13	12:25:41 $74.2^\circ N \pm 1.0^\circ$, $81.7^\circ W \pm 3.0^\circ$. Depth 25 km. M = 3.6. Near Cape Sherard, Devon Island, N.W.T.
JANUARY 14	09:45:44. M = 2.0. 37 miles from Resolute, N.W.T.
JANUARY 17	09:10:25. M = 2.0. 109 miles from Resolute, N.W.T.
JANUARY 18	01:23:19. M = 1.0. 35 miles from Resolute, N.W.T.
JANUARY 18	04:37:44. M = 2.1. 153 miles from Resolute, N.W.T.
JANUARY 18	16:34:23. M = 1.0. 15 miles from Resolute, N.W.T.
JANUARY 18	20:52:08. M = 1.4. 46 miles from Resolute, N.W.T.
JANUARY 27	04:02:35. M = 1.8. 56 miles from Resolute, N.W.T.
JANUARY 28	07:51:32. M = 2.2. 112 miles from Resolute, N.W.T.
JANUARY 28	12:40:39. M = 2.2. 112 miles from Resolute, N.W.T.
JANUARY 31	00:40:19. $68.2^\circ N \pm 1.0^\circ$, $123.9^\circ W \pm 2.0^\circ$. M = 4.3. About 140 miles northwest of Great Bear Lake, N.W.T.

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FEBRUARY 4	20:03:45. $82.1^\circ N \pm 0.5^\circ$, $82.0^\circ W \pm 2.5^\circ$. Depth 30 km. M = 3.4. Ellesmere Island, about 50 miles north of Greely Fiord, N.W.T.
FEBRUARY 4	23:09:46. M = 2.4. 117 miles from Resolute, N.W.T.
FEBRUARY 11	07:40:01. M = 1.6. 64 miles from Resolute, N.W.T.
FEBRUARY 12	13:21:37. M = 1.8. 122 miles from Resolute, N.W.T.
FEBRUARY 15	14:09:29. Depth 27 km. M = 3.6. 241 miles from Resolute, N.W.T.
FEBRUARY 23	11:10:29. M = 2.1. 46 miles from Resolute, N.W.T.
FEBRUARY 24	02:29:44. $81.1^\circ N \pm 0.5^\circ$, $105.0^\circ W \pm 2.0^\circ$. M = 3.5. About 90 miles north of Ellef Ringnes Island, Queen Elizabeth Islands, N.W.T.
FEBRUARY 26	07:20:57. M = 1.8. 51 miles from Mould Bay, N.W.T.
FEBRUARY 26	09:19:57. $70.9^\circ N \pm 1.0^\circ$, $133.0^\circ W \pm 2.5^\circ$. M = 4.4. Beaufort Sea about 150 miles north of Inuvik, N.W.T.
MARCH 2	03:36:04. M = 2.4. 137 miles from Resolute, N.W.T.
MARCH 2	18:40:51. M = 2.0. 137 miles from Resolute, N.W.T.
MARCH 4	23:03:26. M = 1.7. 37 miles from Resolute, N.W.T.
MARCH 6	03:24:01. M = 1.1. 37 miles from Resolute, N.W.T.
MARCH 9	13:07:23. M = 2.2. 137 miles from Resolute, N.W.T.
MARCH 21	04:25:18. M = 0.8. 26 miles from Resolute, N.W.T.
MARCH 22	01:28:45. M = 1.9. 132 miles from Resolute, N.W.T.
MARCH 25	08:43:31. $65.0^\circ N \pm 1.0^\circ$, $135.7^\circ W \pm 2.5^\circ$. M = 4.6. Between Wind River and Hart River, about 300 miles north of Whitehorse, N.W.T.
MARCH 28	16:53:36. $80.2^\circ N \pm 0.5^\circ$, $117.2^\circ W \pm 2.5^\circ$. M = 3.7. About 130 miles northwest of Borden Island, Queen Elizabeth Islands, N.W.T.
MARCH 31	20:48:55. M = 2.5. 258 miles from Resolute, N.W.T.

DOMINION OBSERVATORIES

EARTHQUAKES IN EASTERN CANADA

AND ADJACENT AREAS

The following disturbances were recorded during the first quarter of 1962. The times of observed phases are given at their respective chronological positions in the text of this bulletin. M = magnitude.

- JANUARY 27 12:11:17. $45^{\circ}55' \text{ N} \pm 5'$, $74^{\circ}51' \text{ W} \pm 5'$. M = 4.3. About 12 miles WSW of Arundel, Que. Felt strongly at Arundel and as far as Ottawa where Radio Station CFRA reported that "many were awakened."
- JANUARY 30 08:08:00. $48^{\circ}09' \text{ N}$, $80^{\circ}02' \text{ W}$. A rockburst 3200 to 4950 feet underground in a mine at Kirkland Lake, Ont. The burst released seismic energy equivalent to that of an earthquake of magnitude 4.6. We are indebted to Mr. F. J. Hallick, former operator of a seismograph station at Kirkland Lake, for confirming this event as a rockburst.
- JANUARY 31 14:32:38. $47^{\circ}30' \text{ N} \pm 12'$, $67^{\circ}08' \text{ W} \pm 12'$. Depth 30 km. M = 3.5. About 15 miles SSE of Kedgwick, N.B.
- MARCH 23 02:02:21. $47^{\circ}11' \text{ N} \pm 20'$, $69^{\circ}28' \text{ W} \pm 20'$. M = 3.3. Northwestern Maine -- Quebec boundary.
- MARCH 25 05:15:05. $47^{\circ}34' \text{ N} \pm 15'$, $66^{\circ}01' \text{ W} \pm 15'$. Depth 32 km. M = 4.0. About 20 miles WSW of Bathurst, N.B.
- MARCH 27 06:35:05. $43^{\circ}00' \text{ N} \pm 25'$, $79^{\circ}20' \text{ W} \pm 10'$. M = 3.0. On the Niagara Peninsula. Felt at Buffalo, N.Y., and in adjacent portions of Ontario.

SEISMOLOGICAL BULLETIN - 1962

EARTHQUAKES IN WESTERN CANADA

AND ADJACENT AREAS

The following disturbances were recorded during the first quarter of 1962. The times of observed phases are given at their respective chronological positions in the text of this bulletin. In some cases, although they are not included in the text, readings from Hungry Horse, in Montana, U.S.A., and Seattle, Wash., U.S.A. were used to compute epicentres. The quality (Q) of the epicentre is indicated by a letter from "a" meaning an excellent fit of the observed data to "d" meaning a very poor solution.

JANUARY 2 at 01:22:45. Magnitude 2.1. Epicentre at 48.4° N.
 125.2° W, at the entrance to the Strait of Juan de Fuca. Q = b.

JANUARY 3 at 23:57:25. Magnitude 1.9. 159 km from Penticton.

JANUARY 4 at 21:12:27. Magnitude 1.6. 139 km from Penticton.

JANUARY 5 at 01:50:25. Magnitude 2.0. 52 km from Alberni.

JANUARY 5 at 21:47:29. Magnitude 1.0. 34 km from Penticton.

JANUARY 5 at 23:43:08. Magnitude 2.0. 171 km from Penticton.

JANUARY 9 at 19:40:48. Magnitude 1.8. 158 km from Penticton.

JANUARY 9 at 21:09:28. Magnitude 2.4. 112 km from Alberni.

JANUARY 12 at 00:30:59. Magnitude 1.5. 155 km from Penticton.

JANUARY 12 at 10:05:50. Magnitude 2.1. Epicentre is probably south of Puget Sound, U.S.A.

JANUARY 13 at 19:37:49. Magnitude 1.7. 152 km from Penticton

JANUARY 15 at 05:28:46. Magnitude 3.6. Epicentre in central Washington, U.S.A.

JANUARY 16 at 00:25:44. Magnitude 2.0. 163 km from Penticton.

JANUARY 16 at 21:00:29. Magnitude 2.1. 57 km from Alberni.

JANUARY 16 at 23:50:24. Magnitude 1.5. 163 km from Penticton.

JANUARY 17 at 19:27:26. Magnitude 3.3. Epicentre at $48^\circ 33' N$, $124^\circ 58' W$, near the entrance to the Strait of Juan de Fuca. Q = a.

JANUARY 18 at 22:55:39. Magnitude 2.0. 162 km from Penticton.

DOMINION OBSERVATORIES

JANUARY 21 at 12:14:16. Magnitude 1.6. 83 km from Penticton.

JANUARY 22 at 23:11:09. Magnitude 1.9. 166 km from Penticton.

JANUARY 23 at 01:58:08. Magnitude 2.0. Epicentre at 49.0° N, 125.5° W,
in Barkley Sound. Q = b.

JANUARY 23 at 23:39:12. Magnitude 1.7. 139 km from Penticton.

JANUARY 24 at 19:37:15. Magnitude 1.7. 164 km from Penticton.

JANUARY 25 at 20:55:54. Magnitude 2.2. Epicentre at 48.9° N, 125.4° W,
in Barkley Sound. Q = b.

JANUARY 25 at 23:46:15. Magnitude 2.0. 166 km from Penticton.

JANUARY 27 at 23:35:23. Magnitude 1.9. 158 km from Penticton.

JANUARY 29 at 21:49:24. Magnitude 3.5. Epicentre at $49^{\circ}02'$ N, $124^{\circ}37'$ W,
south of Alberni. Felt on lower Vancouver Island. Q = a.

JANUARY 30 at 11:35:47. Magnitude 1.8. 56 km from Victoria.

JANUARY 31 at 04:22:47. Magnitude 2.5. Epicentre at 47.8° N, 125.7° W,
off coast of Washington, U.S.A. Q = c.

JANUARY 31 at 20:33:47. Magnitude 1.6. 185 km from Penticton.

JANUARY 31 at 22:17:18. Magnitude 1.5. 159 km from Penticton.

FEBRUARY 1 at 22:46:59. Magnitude 1.7. 165 km from Penticton.

FEBRUARY 2 at 07:40:17. Magnitude 2.4. 282 km from Penticton.

FEBRUARY 2 at 12:01:18. Magnitude 2.6. 286 km from Penticton.

FEBRUARY 2 at 14:12:59. Magnitude 2.1. 270 km from Penticton.

FEBRUARY 2 at 16:23:52. Magnitude 2.1. 261 km from Penticton.

FEBRUARY 2 at 16:53:14. Magnitude 2.3. 193 km from Penticton.

FEBRUARY 2 at 22:42:46. Magnitude 2.2. Epicentre at 48.9° N, 125.5° W,
in Barkley Sound. Q = c.

FEBRUARY 3 at 23:53:56. Magnitude 1.7. 160 km from Penticton.

FEBRUARY 5 at 23:22:51. Magnitude 1.5. 166 km from Penticton.

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FEBRUARY 7 at 00:31:33. Magnitude 1.5. 88 km from Penticton.

FEBRUARY 7 at 23:52:51. Magnitude 1.5. 165 km from Penticton.

FEBRUARY 8 at 04:10:25. Magnitude 1.0. 28 km from Penticton.

FEBRUARY 9 at 12:22:49. Magnitude 1.8. 129 km from Penticton.

FEBRUARY 9 at 22:10:02. Magnitude 1.7. 163 km from Penticton.

FEBRUARY 11 at 21:23:16. Magnitude 1.1. 30 km from Alberni.

FEBRUARY 12 at 02:23:23. Magnitude 2.1. 53 km from Alberni.

FEBRUARY 12 at 19:41:16. Magnitude 1.8. 159 km from Penticton.

FEBRUARY 12 at 23:25:29. Magnitude 1.5. 166 km from Penticton.

FEBRUARY 13 at 00:30:55. Magnitude 1.7. Probably on Southern Vancouver Island.

FEBRUARY 13 at 02:18:08. Magnitude 1.5. 49 km from Alberni.

FEBRUARY 15 at 00:00:42. Magnitude 1.8. 166 km from Penticton.

FEBRUARY 16 at 23:51:53. Magnitude 1.8. 177 km from Penticton.

FEBRUARY 17 at 16:36:09. Magnitude 2.6. Preliminary computation indicates an epicentre in southeastern British Columbia.

FEBRUARY 18 at 00:20:56. Magnitude 2.0. 54 km from Alberni.

FEBRUARY 20 at 01:23:51. Magnitude 2.4. Probably in Washington, U.S.A.

FEBRUARY 20 at 07:28:23. Magnitude 2. Epicentre at 48.7° N, 123.0° W, in Gulf Islands. Q = b.

FEBRUARY 20 at 22:29:08. Magnitude 2. Probably in Washington, U.S.A.

FEBRUARY 21 at 00:06:07. Magnitude 1.9. 160 km from Penticton.

FEBRUARY 23 at 02:35:49. Magnitude 2.0. 70km from Alberni.

FEBRUARY 23 at 20:09:14. Magnitude 2.0. Epicentre probably on Southern Vancouver Island.

FEBRUARY 24 at 04:21:54. Magnitude 2.5. 276 km from Penticton.

FEBRUARY 24 at 07:06:32. Magnitude 2.8. 255 km from Alberni.

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FEBRUARY 25 at 06:05:50. Magnitude 3.5. Epicentre is west of Vancouver Island.

FEBRUARY 27 at 19:12:05. Magnitude 1.8. 176 km from Penticton.

FEBRUARY 28 at 11:33:32. Magnitude 1.6. 178 km from Penticton.

FEBRUARY 28 at 23:40:09. Magnitude 1.9. 199 km from Penticton.

MARCH 1 at 22:33:02. Magnitude 1.8. 168 km from Penticton.

MARCH 2 at 02:01:33. Magnitude 1.8. 50 km from Alberni.

MARCH 2 at 23:54:25. Magnitude 1.7. 162 km from Penticton.

MARCH 3 at 00:31:06. Magnitude 2.2. Probably on Southern Vancouver Island.

MARCH 3 at 02:18:41. Magnitude 1.6. 50 km from Alberni.

MARCH 4 at 22:58:32. Magnitude 3.2. Epicentre probably in southeastern British Columbia.

MARCH 6 at 00:29:44. Magnitude 1.9. 74 km from Alberni.

MARCH 6 at 23:45:12. Magnitude 1.2. 176 km from Penticton.

MARCH 8 at 01:52:50. Magnitude 1.9. 53 km from Alberni.

MARCH 8 at 16:52:45. Magnitude 1.1. 36 km from Victoria.

MARCH 8 at 19:07:40. Magnitude 1.7. 158 km from Penticton.

MARCH 9 at 22:09:43. Magnitude 1.7. Probably on southern Vancouver Island.

MARCH 9 at 22:19:19. Magnitude 1.5. 112 km from Penticton.

MARCH 9 at 22:41:37. Magnitude 2.4. 166 km from Penticton.

MARCH 10 at 22:38:00. Magnitude 2.0. 56 km from Alberni.

MARCH 11 at 14:47:55. Magnitude 1.8. 67 km from Alberni.

MARCH 12 at 01:20:06. Magnitude 2.4. Epicentre at $49^{\circ}43' N$, $123^{\circ}17' W$, northwest of Squamish. Q = a.

MARCH 13 at 23:51:00. Magnitude 1.9. 162 km from Penticton.

MARCH 14 at 01:49:08. Magnitude 2.0.

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MARCH 16 at 04:48:53. Magnitude 1.7. 91 km from Victoria.

MARCH 16 at 23:59:28. Magnitude 2.1. 149 km from Penticton.

MARCH 18 at 04:09:42. Magnitude 2.1. Epicentre at 48.2° N, 123.0° W, at the south end of Puget Sound, U.S.A. Q = c.

MARCH 18 at 17:22:38. Magnitude 1.7.

MARCH 18 at 21:47:13. Magnitude 1.0. 28 km from Victoria.

MARCH 20 at 04:41:46. Magnitude 2.8. Epicentre is probably in southeastern British Columbia.

MARCH 20 at 9:16:05. Magnitude 1.8. Epicentre is probably in southeastern British Columbia.

MARCH 20 at 16:31:48. Magnitude 4.5. Epicentre is at 50.8° N, 129.7° W, northwest of Vancouver Island.

MARCH 20 at 21:31:14. Magnitude 1.8. 74 km from Alberni.

MARCH 21 at 16:28:14. Magnitude 2.0. 60 km from Alberni.

MARCH 21 at 19:52:44. Magnitude 1.8. 163 km from Penticton.

MARCH 22 at 23:12:20. Magnitude 1.1. 70 km from Penticton.

MARCH 22 at 23:55:00. Magnitude 1.9. 160 km from Penticton.

MARCH 24 at 23:55:52. Magnitude 1.8. 162 km from Penticton.

MARCH 26 at 05:18:02. Magnitude 2.3. 287 km from Penticton.

MARCH 26 at 10:39:39. Magnitude 1.4. 28 km from Victoria.

MARCH 26 at 11:10:24. Magnitude 2.5. 279 km from Penticton.

MARCH 26 at 11:41:31. Magnitude 2.6. 279 km from Penticton.

MARCH 26 at 19:35:04. Magnitude 1.8. 178 km from Penticton.

MARCH 28 at 18:11:27. Magnitude 2.2. 74 km from Alberni.

MARCH 29 at 00:08:09. Magnitude 1.8. Epicentre probably on southern Vancouver Island.

MARCH 29 at 00:13:55. Magnitude 1.9. 164 km from Penticton.

DOMINION OBSERVATORIES

MARCH 30 at 00:12:17. Magnitude 2.1. 68 km from Alberni.

MARCH 30 at 19:45:36. Magnitude 1.8. 163 km from Penticton.

MARCH 30 at 22:00:19. Magnitude 1.5. Epicentre at 48.6° N, 124.6° W,
on southern Vancouver Island. Q = c.

MARCH 30 at 23:59:26. Magnitude 1.8. 162 km from Penticton.

ROGER DUHAMEL, F.R.S.C.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1963