

# TORONTO

Jan - Oct.  
1936

## Seismographic Station, Meteorological Service of Canada

1936.

JANUARY.

LAT., 43° 39' 53" N. LONG., 79° 23' 46" W. H = 111m.

INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay

	e	0-46-25	
	ES	0-52-11	
	L	0-59-33	
	F	1-50	
2nd	e	22-56-21	
	e	23-03-13	
	i	23-08-41	
	L	23-40	
	F	1-14	
14th	H	5-36-32	
	eP	5-51-21	
	iPP	5-56-10	12,600
	PS	6-05-31	
	SS	6-11-53	
	eL	6-30-31	
	F	8-20	
14th	H	14-12-45	
	iP	14-22-56	
	iPP	14-24-58	
	iS	14-31-27	6890
	iPS	14-32-02	
	SS	14-35-20	
	eL	14-43	
14th	e	18-07-32	
	e	18-09-12	
	eL	18-31	
	F	20-10	
18th	e	1-35-12	
	e	1-38-30	
	eL	1-42-36	
	F	2-11	
20th	e	17-17	
	e	17-24-22	
	i	17-33-45	
	eL	17-51	
	F	19-07	

Minor quakes on 1st (2); 2nd; 10th; 14th (2); 19th; 21st; 27th (2).

Microseisms, 4th & 5th.  
15th & 16th.  
28th & 29th.

Wm. G. Carroll.

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INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay

1936.

February.

7th	eN	9-21	
	iN	9-23-02	
	iE	9-28	
	eLN	9-40-23	
	iLN	9-51	
	F	11-16	
10th	eN	18-09-44	
	eN	18-18-10	
	iN	18-30-28	
	F	19-04	
15th	eE	13-08-27	
	iE	13-09-39	
	iE	13-18-36	Microseisms mask
	iE	13-26	phases.
	LE	13-41	
	F	15-45	
21st.	eN	17-07-30	
	e	17-10-45	
	e	17-18-15	
	i	17-29-39	
	L	17-49	
	F	19-23	
22nd	i	16-13-23	
	LN	16-31	Preliminaries lost
	F	18-49	changing film.
22nd	eN	19-45-29	
	e	19-52-14	
	LN	20-28-30	
	F	21-49	
27th	eN	10-26-09	
	e	10-32-35	
	e	10-36-29	
	L	11-05	
	F	12-25	
28th	eN	3-20-15	
	LN	3-31	Micros mask phases.
	F	4-22	

Minor quakes on the 3rd, 7th, 8th, 16th, 18th, 21st(2).

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LAT., 43° 39' 53" N. LONG., 79° 23' 46" W. H = 111m.

INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay  
 Period 12 seconds  
 Damping 20-1  
 Magnification 150

MARCH 1936.

1st	eN	10-42-42	
	eN	10-45-26	
	e	11-15-37	
	eL?	11-45	
2nd	H	3-19-22	
	ePN?	3-31-44	
	eS	3-42-04	
	iPS	3-42-45	
	L	3-59	9,200 km.
20th	eN	18-58-30	
	eL	19-04	
	F	19-46	

Minor quake records on the 5th (2); 6th, 10th (2); 11th, 12th, 14th, 18th (2); 20th, 21st, 22nd, 25th.  
 Microseismic storm on 7th-8th.

APRIL, 1936.

1st.	H	2-09-25	14,110 km.
	ePE	2-25-18?	
	eP'	2-28-35	
	PP	2-30-29	
	SKS	2-35-34	
	S	2-38-44	
	PS	2-40-37	
	SS	2-47-29	
	L	3-09-44	
1st	eN	20-33-16	
	eN	20-38-39	
	L	21-04	
12th	iNE	21-10-36	
	iN	21-19-40	
	iE	21-30-43	
	L?	21-43	
14th	eN	20-08-50	Sharp movements.
	iN	20-09-10	Micros before and after
19th	PPN	5-27-25	
	PS	5-36-41	
	SS	5-43-33	Approx. 13,000 km.
	L	6-05	P not discernible.
	F	9-20	
23rd	H	23-14-38	
	PNE	23-24-59	6980 km.
	iSNE	23-33-35	
	LN	23-44-42	
	MN	23-49-35	
27th	H	6-30-28	
	ePE?	6-36-33	3245 km.
	eSE	6-41-33	
	L	6-44-37	

Minor records on the 2nd, 6th, 7th (2), 9th (2), 15th, 19th, 24th, 26th, 28th, 29th, 30th.  
 Microseisms on 8th & 9th.

27th	eE	0-36	
	L?	0-48-30	
	F	1-56	

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LAT., 43° 59' 53" N. LONG., 79° 23' 46" W. H = 111m.

INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay

PERIOD 12 Seconds.  
Damping 20-1  
Magnification 150.1936.  
MAY.

11th	eN	17-47-10	
	eN	17-52-45	
	LN	18-18	
	F	20-17	
16th	iE	7-31-35	
	iE	7-32-59	
	iE	7-40-55	
	L?	7-56	
	F	9-30	
19th	eN	21-30-38	
	F	23-43	
20th	H	3-05-21	
	ePN	3-20-29	
	PPE	3-25-22	
	PPN	3-25-28	13,055 km.
	SKS	3-31-00	
	SN	3-33-22	
	iPSNE	3-35	
	SSN	3-41-25	
	LN	4-01-14	
	M	4-11	
	F	6-48	
22nd.	iN	0-37-31	
	F	1.50	
27th	H	6-19-11	
	ePN	6-33-24	Distance from
	iPPN	6-37-45	PS-P
	iSKSN	6-44-00	11,755 km.
	PSN	6-46-51	
	PPS	6-48-00	
	SS	6-52-37	
	L	7-09-36	
	F	9-23	
28th	H	18-49-27	
	iPN	18-56-30	
	iPP	18-57-41	
	iSN	19-02-17	4,000 km.
	L	19-07-13	
	F	22-06	

Minor quakes on 5th, 6th, 7th, 8th(2), 9th, 10th(2), 11th, 14th,  
19th, 21st, 22nd, 24th(2), 25th, 29th.

Wm.G.Carroll.

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INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay

1936  
JUNE.

3rd

H	9-15-19
iPE	9-22-02
iSN	9-27-28
iSE	9-27-32
SRE	9-29-25
LE	9-31-45
F	11-30

3720 km.

7th

eN	4-48-36
iN	4-53-44
LN?	5-00
F	5-41

10th

iN	8-43-47
iN	8-51-30
iN	9-00-22
LN	9-26
F	11-15

US Coast gives  
15° S  
145° E.

30th

H	15-06-49
iPNE	15-18-00
iPPN	15-20-46
iSN	15-27-16
iSE	15-27-18
PSE	15-27-53
SSE	15-32-03
LN	15-40-38
F	19-24

7835 km.

Minor quakes on the 1st, 3rd, 6th (2), 7th, 9th, 10th(3), 11th,  
13th, 14th(2), 16th, 18th, 20th(2), 22nd, 27th(2), 28th,  
29th, 30th.

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**INSTRUMENTS—Two Milne-Shaw**

SUBSOIL, Sand and Clay

1936 JULY.	H	18-55-03
5th	eP'N	19-14-15
	SKP	19-17-14
	SKS	19-20-56
	iPPS	19-28-20
	SS	19-33-20
	LN	19-53
13th	H	11-12-34
	iPEN	11-23-15
	PPN	11-25-54
	iSEN	11-32-09
	iSSN	11-36-23
	LN	11-44
	F	15-56
16th	eN	7-18-30
	iL	7-22-17
	F	8-18
26th	H	7-37-08
	iP	7-47-45
	iS	7-56-36
	SSN	8-01-21
	L	8-09
28th	eN	5-46-21
	eN	5-55-51
	eL	6-10
31st.	H	17-40-58
	ePN	17-47-24
	iSN	17-52-39
	LN	17-56-25

Phases indefinite.  
PP 19h 15m 50s

7320 km. Destructive  
Northern Chili.

Well marked.  
CSJS, H, 11h12m29s

7255 km.

3490 km.

Minor quakes on 3rd, 5th, 6th, 12th, 14th (2), 15th, 19th, 22nd, 23rd (4), 25th (2), 28th and 29th.

**AUGUST, 1936.**

1st.	eN	8-17-35
	LN	8-21
13th	eN	20-18-13
	eN	20-23-01
	eN	20-31
	LN	20-58
18th	H	7-07-12
	ePE	7-13-46
	ePN	7-13-45
	ePPN	7-14-38
	SE	7-19-08
	L	7-23-08
22nd	eE	7-09-45
	eE	7-10-45
	eE	7-20-07
	L	7-41
23rd	iN	21-33-34
	iN	21-34-40
	i	21-51-07
	LN	22-13
25th	eN	6-14
	eLN	6-15

Ill-defined

3600 km.

Eclipse not working,  
time may be a few  
seconds out.

Minor records on 1st (4), 2nd, 3rd, 4th (4), 7th, 8th, 15th (2), 16th, 17th (2), 24th, 25th, 26th, 28th, 29th, 30th (2).

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INSTRUMENTS—Two Milne-Shaw

SUBSOIL, Sand and Clay

			Period 12 seconds.
			Damping 20-1
			Magnification 150.
1936.			
September.			
3rd	eN	5-14-38	
	e	5-17-41	
	eL	5-23	
	F	5-57	
4th	eN	8-33-13	
	e	8-58	
	L	9-04	
	F	10-08	
6th	eN	18-06	
	eN	18-13-26	
	L	18-32	
	F	20-19	
19th	iN	1-24-29	Large record, masked
	i	1-25-28	by microseismic storm.
	e	1-30-15	
	e	1-35-58	
	e	1-41	
	i	1-46-43	
	L	2-04	period 15 secs. Amp. 53 microns.
	F	3-56	
25th	H	12-53-14	
	ePE	13-00-17	4000 km.
	eS	13-06-04	
	eL	13-10-55	
	M	13-13-55	
	F	15-20 ca.	
Small records on the 3rd (2), 5th, 7th, 8th, 12th, 16th, 18th, 19th, (2)			
21st, (3), 28th.			
OCTOBER.			
3rd.	iN	22-12-47	
	iN	22-18-31	
	L	22-27	
5th	H	9-44-26	
	eP'N	10-13-31	
	PP	10-05-36	14,065 km.
	SKP	10-06-59	
	PS	10-15-34	
	PPS	10-17-32	
	SS	10-23-27	
	L	10-45	
	F	12-18	
19th	iN	12-27-07	
	i	12-32-55	iN 12-44-48
	e	12-36-10	Microseisms mask
	L	13-01	phases.
23rd	eN	0-03-14	
	e	0-07-14	Small amp.
	L	0-11	
23rd	H	6-24-26	iPP 6h 34m 20s.
	ePE	6-32-29	Alaska, 4835 km.
	iS	6-39-05	
	iL	6-45-28	
	M	6-49	period 12 secs. Amp 261 microns.
29th	H	18-38-45	
	ePN	18-53-21	PS-P, 12,290 km.
	PP	18-58	
	PS	19-07-15	
	L	19-31	
Small quakes on 2nd, 5th, 6th, 8th (2), 9th, 10th, 12th, 16th, 19th (2),			
23rd (4), 26th (2), 29th.			

Wm. G. Carroll.