

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory,
OTTAWA, CANADA.LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums, No. 2.

NOMENCLATURE: Göttinger.

From Jan. 23 to Jan. 31, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					A_E	A_N	
1910			h m s.	s.	"	"	
Jan. 25	I	P	18-56-34	4.4			
		PR.	18-58-12				Distance epicentre 4100 Km.
		S	19-02-19	5-6	17	10	
		L	19-05	40			no decided maximum
		F	20-10				
Jan. 30	I	e	4-10				Microseisms east passes No maximum
		eL _E	4-54 to 5-15	28 to 14			
Jan		F	5-58				
Jan. 30	I	eP?	16-21-30				
		L	16-23-34	10			
		H	16-22-30		9		
		F	16-36				

Otto Neuhoff

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OF THE

Earthquake Station, Dominion Astronomical Observatory,
OTTAWA, CANADA.LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich 1.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From Jan. 1 to Jan. 22, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					<i>A_E</i>	<i>A_N</i>	
1910			h. m. s.	s.	μ	μ	
Jan. 10	I	e	5-42				Earthquake of Jan. 1 not recorded. Clockwork of cylinder out of repair.
		L	5-53.5	14			
		M	6-00	7	8	3	
		F	6-30				
Jan. 12	I	e?	2-28				
		e	2-42.7				
		M	2-45	14	1		
Jan. 22	II	F	2-53				
		P	8-55-35	3			Distance to epicentre 4100 Km.
		PR.	8-57-16	3.1			
		S	9-01-29	8			
		L	9-04				
		M	9-11.5	13	80	50	
		F	10-52				

Otto Lohm

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory,
OTTAWA, CANADA.



International
Seismological
Centre

No. 3.

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From Feb. 1 to Feb. 4, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					A_E	A_N	
1910.			h. m. s.	s.	"	"	
Feb. 3	I	e	17-26				
		e _L	17-52.5	24			
		L _L	18-06	16			
		F	18-25				
4	I	e _L	14-33	20			All of E-W component
		L	15-01 to 15-06	21			
		L	15-08 to 15-15	17.5			N-S component less strong.
		L	15-17 to 15-25	16			
		M	15-10		.10		
Feb. 4	I	L _L	19-42	17.5			
		F	20-0				

Otto Neuhof

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory, OTTAWA, CANADA.



No. 4.

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From Feb. 5 to Feb. 28, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					<i>A_E</i>	<i>A_N</i>	
			h. m. s.	s.	"	"	
1910.							
Feb. 12	I	e?	18-27				
		i	18-33-00	6	6	10	
		i	18-35-43	8	14	7	
		L	18-36	13			
		F	19-20				
Feb. 21	I	e	3-50-25				
		M	3-50-40	4	6	5	
		F	3-55				
Feb. 28	I	P	21-08-43				Long waves show up well from 9-25 to 9-52
		PR,	21-10-32				
		S	21-15-28				
		eL?	21-19	15			
		L	21-26	23			
		M	21-27	23	9	10	
		L	21-39	11			
		F	22-25				

Otto Neuhof

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory, OTTAWA, CANADA.



No. 5

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From March 1 to March 25, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS	
					<i>A_E</i>	<i>A_N</i>		
1910			h m s.	s.	"	"		
Mar. 11	I	e L	7-10.5				Earthquake in California	
		L	7-12	9				
		M	7-13			2		
		N F	7-32					
Mar. 18		Recording clockwork under repairs						
Mar. 25	I	e	15-21				No record on preceding sheet for some hours. The e seem to be trailers of a preceding quake.-	
		P?	15-35-15	4		3		
		S	15-44-32		6			
		L	15-52.5	16				
		F	16-10					
		E						
		F	21					
		N						

Otto Neuhof

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA



No. 7

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From **April 1** to **April 12, 1910.**

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					<i>A_E</i>	<i>A_N</i>	
1910			h. m. s.	s.	μ	μ	
Apl. 3	I	e L	19--35.5	14			
		F	19-57				
Apl. 11	I	e L	2-17				Earthquake reported from California.
Apl. 12	II	e P?	0-35-20				
	u	e	0-40-50				
		1 P R	0-41-31				
		2					Epicentre 11,000 km.
		i S	0-46-44	4			
		M	0-46-50		12	18	
		P S	0-48-07				
		E					
		e L?	0-50-15				
		e L	1-03-36	14			
		N					
		e L	1-06-20				
		E					
		L	1-10	20			
		E					
		F	2-0				

Otto Neuhoff

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA

No. 8

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE: Göttinger.

From April 13

to

April 30, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					A_E	A_N	
1910			h. m. s.	s.	μ	μ	
Apl. 13	I	e	6-50-48				
		e L	7-02	14			
		F	7-38				
Apl. 27	I	e S?	1-38-49		2		N component very weak.
		E					
		e L	1-47	17			
		E					
		F	2-10				

Otto Neubecker



RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.
 TIME: Mean Greenwich, midnight to midnight.
 INSTRUMENTS: Two Bosch photographic horizontal pendulums. No. 9
 NOMENCLATURE: Göttinger.

From **May 1** to **May 11, 1910.**

DATE	CHAR.	PHASE	TIME	PERIOD	AMPLITUDE		REMARKS
					<i>A_E</i>	<i>A_N</i>	
1910			h. m. s.	s.	μ	μ	
May 1	I	e	19-01				
	u	eL	19-32 to				
		E	19-37	24	3		
		L	19-43 to				
		E	19-51	17	3		
		F	20-25				
May 5	I	P ?	0-34-50	3			Distance 4000 km. Earthquake reported Cartago, Costa Rica.
		N					
		PR ?	0-36-07				
		S	0-40-35	4			
		E					
		L	0-45.5				
		E					
		L	46 to 50	20 ^s			
		M	0-49		4		
		E					
		M	0-51			2	
		N					
		F	1-20				
May 11	I	P	7-31-39	2			Distance 3000 km. (San Domingo ?)
		N					
		PR	7-32-23	2.3			
		S	7-36.5				
		E					
		L	7-40	20	1		
		E					
		F	8-03				

Otto Neuhoff

No. 10

May 18

May 15, 1910.

1910

May 12 I P 9-11-03 2.5
 N
 S 9-15-06
 E
 e 9-18-40
 E
 e 9-20-06
 EN
 e 9-20-08
 EN
 M 9-28 5
 E
 F 9-45

Distance 2500 km.
 No L recognizable.

May 13 II P 8-07-20
 S 8-14-36
 L 8-21-16 8
 L 8-25 14
 M 8-32 12 7
 L 8-43 12
 L 8-53 11
 F 10-27

Distance 5600 km.

May 15 I P ? 16-04-20 3
 N
 eL ? 16-07 8
 E
 F 16-20

Sheet changed be-
 tween 15-50 and 15-
 54.

Otto Klobes

No. 11

May 16

May 22, 1910.

1910

May 20	I	P	12-12-18		
		S	12-17-10		
		L	12-20-20	16	Distance 3200 km.
May 21	II	L	12-22	36	
		L	12-24	20	Distance 4000 km.
		M	12-26.5	15	10
		L	12-32		
		F	12-55		
May 22	I	P	6-36-28		Distance 9600 km.
	u	PR	6-39-33		
		S	6-47-13		No distinct maximum.
		L	6-57		
		L	7-07	36	
		E			
		L	7-15	19	
		E			
		L	7-22	16	
		NE			
		F	8-00		

Otto Neuhoff

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA



Latitude 45° 27' 50" Longitude 75° 42' 30" W. Altitude 247.5 m.

Time Zone Greenwich - 5 hours 30 minutes

Instruments: Two Mach photographic instruments and pendulum No. 12

Seismograph, Göttingen

From **May 23**

to **May 31, 1910,**

1910.

DATE	TIME	TYPE	MAGNITUDE	INTENSITY	REMARKS
May 31	II	P	5-02-22		
		M	5-02-38	25	Distance 4000 km.
		P R ₁	5-03-51		
		S	5-08-00	16.5	
		S R ₁	5-08-30		
		L	5-15-20		
June 11	I	L	5-21	16	
		F	6-20		Distance 4000 km.
		L	6-20-30	20	
		L	6-20-40	20	
June 18	II	P (7)	6-03-00		Strong ground motion reported.
		L	6-03-00	5	
		L	7-03-00		
		L	7-07-00	20	Distance 8000 km.
		M	7-07-00	35	17
		L	7-20	42	
		L	7-20-07-37	20	15
		L	7-20-07-52	16	
		L	8-20-08-00	20	
		L	8-20-08-03	16	

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OTTAWA, CANADA.



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

NOMENCLATURE ; Göttinger.

From June 1 *to* June 16, 1910.

DATE. 1910	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					<i>A_E</i>	<i>A_N</i>	
			h. m. s.	s.	μ	μ	
June 1	I _u	e ?	6-16-07				
		e ?	6-21-37				
		e L	6-33.5				No record on N-S component.
		Nil	6-35to6-55				
		L	6-55.5	26			No maximum.
		L	6-59to7-05	20			
		L	7-08to7-16	16.5			
		L	7-52to7-55	20			
June 14	I	F	8-15				
		P	19-46-00				
		s	19-51-46				Distance 4000 km.
		e L?	19-54				
		L	19-55-40	20			
June 16	II	e P(?)	6-50-00				Strong microseisms prevail.
		i	6-51-00	5	8		
		s	7-00-50				
		L	7-07-40	20			Distance 8600 km.
		M	7-08.5	20	17		
		L	7-28	42			
		L	7-34to7-37	20	15		
		L	7-48to7-52	16			
		L	8-42to8-44	20			
		L	8-51to8-53	16			
		F	9-25				

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OTTAWA, CANADA.LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51.8$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From June 17 to June 30, 1910.

DATE 1910	CHAR.	PHASE	TIME h. m. s.	PERIOD. s.	AMPLITUDE.		REMARKS.
					AE μ	AN μ	
June 25	I	e	19-42	7			Small microseisms obscure first preliminary tremors.-
		L _N	19-57.0	23			
		F	20-55				
June 29	I	e P?	8-29-34				Distance 5800 km. The amplitudes by E-W component are about $\frac{2}{3}$ of others.-
		S?	8-36-52				
		L	8-47-13	20			
		M	8-53-40			6	
		L	8-55	14.5			
		F	10-20				
		Lr	11-13				
		Mr	11-47	18		6	
		Lr	11-51	17		5	
		Lr	12-05	16		5	
		Lr	13-02	16		1	
		Fr	13-42				

Handwritten signature: Otto H. ...

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA.

No. 15



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

NOMENCLATURE ; Göttinger.

From July 1 to July 7 1910

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
			h. m. s.	s.	μ	μ	
1910							
July 2	I	e	17-25				
		L	17-29	9			
		M _N	17-30-10	7	4	3	
		F	17-50				
July 3	I	e	9-25-36				
		i	9-27-28				
		M _E	9-28-23	5	8		
		M _N	9-28-30	12		6.5	
		F	10-00				
July 4	I	e	4-51				
		i	5-08				
		L?	5-09	9	$\frac{1}{2}$	2	
		F	6-03				
July 7	II	P	4-51-30				
		S?	4-56-15	6			Distance 3000 Km.
		L	4-58-31	16			
		M	4-59-20		112	100	
		F	6-02				

Otto Klobes

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA.

No. 16

LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51.8^{\text{s}}$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From July 7 to July 31, 1910.

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					A_E	A_N	
			h. m. s.	s.	μ	μ	
1910							
July 7	I	e	8-35-16	6			No maximum
		i	8-39-22	6			
		eL	9-34	30			
		L	9-43	20			
		F	10-20				
July 17	I	e	8-14				
		F	8-22				
"	I	P	10-07-12	4			Distance 4000 Km.
		S	10-13-00	7			
		M	10-20-16	9	8	13	
		F	10-57				
July 20	I	iP?	3-47-19				
		i	3-56-08	7	3	5	
		i	3-56-52	6	6		
		L _N	4-01	20			
		F	4-25				
July 22	I	L	3-01				L very weak and not continuous
		F	3-54				
July 29	I	e	10-48				Light of N component too weak for distinct record
		L	10-59-14	19			
		L	11-33 to 11-41	22			
		F	12-35				


Otto Bloch

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA.



International
Seismological
Centre

No. 17

LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From **Aug. 1st** to **Aug. 31st, 1910.**

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					<i>A_E</i>	<i>A_N</i>	
1910			h. m. s.	s.	μ	μ	
Aug. 5	II	i P	1-38-30				
		i S	1-44-11				
		L N	1-48	11			
		L E	1-49.4	12			Distance 3900 km.
		M N	1-51.7	14		100	
		M ^E	1-54		25		
		F ^E	3-25				
		L ^{RN}	4-08	22			
Aug. 11	I	P(?)	16-36-20				
		i S	16-41-31				Distance about
		L	16-42-10	12			3400 km.
		M	16-47	12	12	10	
		F	17-48				
Aug. 21	I	P N	5-56-22				M not well defined
		P E	5-56-36				in L.
		i S ^N	6-01-56	6			Distance 3600 km.
		i S ^E	6-01-51	6			
		S R ₁	6-03-00	5	6		
		S R ₂	6-03-53	5	4		
		L	6-05	12			
F	7-18						

Otto Klobb

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA. No. 18



International
Seismological
Centre

LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From **Sep. 1** to **Sep. 9, 1910.**

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
			h. m. s.	s.	μ	μ	
1910							
Sep. 1	I	e L	1-37				
		L	1-50	20			
		F	2-12				
Sep. 6	I	i P	20-04-07				
		i S	20-14-37				
		i	20-24-08				
		e L?	20-28.5	12			Distance 9000 km.
		M	20-46	20-23	2	4	
		L	20-46 to 50	20-23			
		F	21-35				
Sep. 7	I	i P	7-31-49				
		i S	7-38-44	5			
		P S	7-41-40				
		e L	7-45.5				
		L	8-14 to 32	20			Distance 5300 km.
		M	8-20	20	4	6	
		F	9-32				
Sep. 7	I	e L	10-47	8			
		M	11-00	8	2	4	Possibly belongs to preceding quake.
		F	12-08				
Sep. 9	II	i P	1-23-42	5			
		i S	1-32-00	8			
		L	1-42	40			Distance 6750 km.
		M	1-50	23	12		
		F	3-37				

Otto Neuhof

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA. No. 19

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From **Sep. 9** to **Sep. 30, 1910.**

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					<i>A_E</i>	<i>A_N</i>	
1910			h. m. s.	s.	μ	μ	
Sep. 9	I	e L _E F	9-33 10-07 10-35	20			
Sep. 16	I	e M F	19-25-36 19-29 19-44	5-7	6	4	
Sep. 22	I	P? S? e L e L _N F	12-50-51 12-53-51 12-58 13-02 13-27	4 7 10 10			
Sep. 24	II	i P i S L M _N F	3-39-20 3-44-52 3-50.5 3-58 5-05	3 5 32 24		13	Distance 3750 km.
Sep. 24	I	i P e E M _N M _E	4-20-47 4-23 4-23.7 4-24.7	3-4 10 6 5	25	12	Shock during preceding disturbance.
Sep. 24	I	e P? S? e L M F	18-47-17 18-53-00 19-02 19-02.5 19-46	5 5 16 16	2	2	

Otto Neuhoff

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OTTAWA, CANADA.



LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51.8^{\text{s}}$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

No. 20

From **Oct. 1** to **Oct. 31, 1910.**

DATE	CHAR.	PHASE	TIME	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
1910			h. m. s.	s.	μ	μ	
Oct. 4	I	i P _N i S e L F	23-10-52 23-19-34 23-31.4 24-18	5-6 24	15	15	Distance 7200 km. No distinct maximum.
Oct. 16	I	e F	2-31 2-45				Microseisms obliterate phases.
Oct. 18	I	e L F	3-30 3-42 4-05	17			Microseisms obliterate phases.

Otto Neuhoff

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA.



No. 21

LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From NOV. 1 to Nov. 14, 1910.

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
1910			h. m. s.	s.	μ	μ	
Nov. 6	II	P? L M F	20-43-52 20-50 20-50.7 22-0		50		N-S component not working.
Nov. 9	II	P _E S _E L _N L L F	6-28-22 6-34-00 6-36-20 6-56 7-02 to 8-38 9-05	10 24 20-17			No distinct maximum. Record conspicuous for the continuous and well-marked Long waves. Distance 3850 kms.
Nov. 10	I	e L _E L _E L _N F	12-57 13-21 13-31 13-34 14-15	24 18 15			Strong microseisms. No phases recognizable
Nov. 12	I	e F	18-27 18-50				
Nov. 14	I	e L _E L _N L _E M _N F	8-27-00 8-33 8-35 8-41 8-47 9-21	22 24 15 14		6	

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OTTAWA, CANADA.



LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}$ W. Greenwich.

TIME : Mean Greenwich, midnight to midnight. No. 22

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

NOMENCLATURE ; Göttinger.

From Nov. 15

to Nov. 30, 1910.

DATE.	CHAR.	PHASE	TIME	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
1910			h. m. s.	s.	μ	μ	
Nov. 15	I	EN F	0-30.3 0-51				
Nov. 15	I	ON LN MN LN F	14-32 14-41 14-50 15-20 15-47	13 20		6	
Nov. 26	II	P? S? e L L MN ME L F	5-07-16 5-11-20 5-18 5-26 5-42.5 5-48 5-42 to 6-18 7-55	20 20 20 20 24-16	8	8	Microseisms mask P and S. Period of L decreases.
Nov. 29	I	e LN LN F	3-18 3-29 to 3-43 3-56	20 20-16			E component very feeble.

Otto Klobner

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory
OTTAWA, CANADA.

No. 23

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

From Dec. 1 to Dec. 14, 1910.

DATE	CHAR.	PHASE	TIME	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
1910			h. m. s.	s.	μ	μ	
Dec. 4	I	e ?N e e L F	11-43.5 11-51 12-12 12-16 to 12-30 13-07	20-16			L decrease in period
Dec. 10	I	e L _{NE} F	9+ 10-35 to 10-44 13	16.5			Unfortunately a poor photographic sheet makes the diagram only readable in patches.
Dec. 13	II	PE SE LY LN LE MN M LN F	11-56-10 12-05-46 12-21.5 12-29 12-31 to 12-33 12-31.5 12-39 12-40 to 12-45 14-48	28 24 20 18-16 16	15	21 17	Distance 8300 km. Strong microseisms prevailed.
Dec. 14	I	PE iE SE? iN iE LE iN iN LN F	21-04-18 21-09-32 21-10-35 21-11-20 21-11-25 21-17.3 21-19-19 21-23-23 21-25 22-0	3 5 12	4	4	Microseisms prevailed Phases difficult to read. Long waves almost wholly wanting. No maximum.

Handwritten signature: Otto Klobes

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA. No. 24



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich.

TIME: Mean Greenwich, midnight to midnight.

INSTRUMENTS: Two Bosch photographic horizontal pendulums.

NOMENCLATURE; Göttinger.

Dec. 15

Dec. 23, 1910.

From

to

DATE.	CHAR.	PHASE	TIME	PERIOD.	AMPLITUDE.		REMARKS.
					AE	AN	
			h. m. s.	s.	μ	μ	
1910							
Dec. 16	I	P	15-05-20				No record 15-21 to 15-38 Changing sheet &c.
		M?	16-0	24		12	
		L	16-09 to 16-13	18	5	10	
		L	16-26 to 16-28	16			
		F	18-0				
Dec. 21	I	PN	10-31-00				Distance 4300 km. Microseisms prevail.
		PR	10-32-24				
		SN	10-37-00				
		LN	10-46.9	20 ^s			
		L	10-48 to 10-53	15-11			
		F	11-25				
Dec. 23	I	P?	0-50-32				Microseisms prevailed P difficult to read. S not recognized.
		P?	0-58-38				
		L	1-05	25			
		L	1-11 to 1-14	16-15			
		MN	1-11.5	15		6	
		ME	1-12.2	16	6		
		F	2-20				

Otto Neuhoff

RECORD

OF THE

Earthquake Station, Dominion Astronomical Observatory

OTTAWA, CANADA.



No. 25

LATITUDE $45^{\circ} 23' 38''$, LONGITUDE $75^{\circ} 42' 57''$ or $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.8$ W. Greenwich.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums.

NOMENCLATURE ; Göttinger.

From Dec. 24 to Dec. 31, 1910.

DATE.	CHAR.	PHASE.	TIME.	PERIOD.	AMPLITUDE.		REMARKS.
					AE	Ax	
1910			h. m. s.	s.	μ	μ	
Dec. 28	I	P? S? F?	17-46-14 17-49-06 18-50	2			
Dec. 29	I	o LN LN F	14-18.3 14-23 14-55	16 20			
Dec. 30	I	P? S? e L? L F	1-07-49 1-15-34 1-18.2 1-26 2-0	10			E-W Component weaker.
Dec. 30	I	P S L F	3-26-42 3-51-28 3-43 4-13	2 18			E-W Component weaker.

Otto Klobar