

OTTAWA

No.

Earthquake Station, Dominion Astronomical Observatory



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Jan. 1st to Jan. 31, 1915 No. 1

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE km.	REMARKS
					<i>A_E</i>	<i>A_N</i>	<i>A_Z</i>		
			h. m. s.	s.	μ	μ	μ		
543	Jan. 5	P	23-45-07					4220	
		S	23-51-07						
		L _N	23-54.4	20					
		L _E	23-54.5	20					
		L	24-01	20					
		L	24-06 to						
		F	24-28 24-45	18					
544	Jan. 13	P	7-02-57	2				6860	Dest- ruct- ive quake in Italy No marked maximum. Strong micros prevail.
		S	7-11-19						
		S _R 2	7-18-08	12					
		L	7-20.5	32					
		L	7-24	20					
		L	7-29 to						
		F	7-42 8-00	16 to 14					

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TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosc photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From February 1st

to Feb. 28, 1915 No. 2

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
			h. m. s.	s.	μ	μ	μ	km.	
545	Feb. 25	P	9-11-22					3000?	
		SE ?	9-15-43						
		eLE	9-23.3	20					
		L	9-25 to	14 to					
		F	9-28	18					
546	" 25	iP	20-59-28	3				9150	
		i	21-01-41						
		iS ?	21-09-46						
		eLN	21-23.3	40					
		F	21-45						
"	26	Between 1 ^h and 2 ^h 30 ^m disturbances occur which however cannot be identified with any phases, and again between 12h and 15h.							
547	" 28	PR ₁ ?	18-59-00					13000+	
		iSR ₁ ?	19-18-03						
		iSR ₂ ?	19-27-30						
		eL	19-45.7	40					
		L	19-50	40					
		L	19-55	27					
		L	20-01 to	24 to					
F	20-16	18							
			20-35						

O. H. ...

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TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **March 1st** to **March 31st, 1915. No. 3**

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
					μ	μ	μ		
	1915		h. m. s.	s.			km.		
548	Mch. 5	L ME MN F	4-36.0 4-36.8 4-37.3 5-00	20 20 20	12	40		P & S masked by micros	
549	" 12	L F	15-56 16-10	24					
550	" 17	P S LE L L F	18-57-29 19-07-42 19-23.5 19-26 19-31 to 19-41 19-50	5 6 12 60 24 to 18			9050		
551	" 20	eE 1 LE F	22-31-00 22-38-00 22-41.0 22-52	7 6 9				Micros strong	
552	" 23	eE eLE LE LN F	21-38-48 21-41.8 21-46.0 21-47.5 21-55	4 16 20 20				Micros some- what mask	
553	" 31	e ? L F	17-29-26 17-54.4 18-02	20					

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From *Aprillst*

to *April 30th, 1915. No. 4*

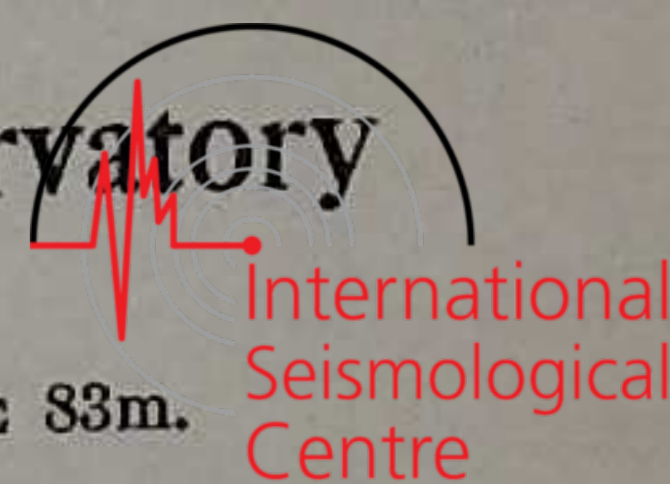
No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE km.	REMARKS
					<i>A_E</i>	<i>A_N</i>	<i>A_Z</i>		
			h. m. s.	s.	μ	μ	μ		
548	Mar. 2	I _E L F	21-22-46 21-25.7 21-30	2 12-20				1300	This quake was forgotten on the March bulletin
555	Apr. 3	L L F	21-04.0 21-10 21-23	18 18					
556	" 7	eP _N SR _{1E} SR _{1N} SR _{2N} SR _{3E} eL _E L _E F	16-05-33 16-14-27 16-14-28 16-15-19 16-15-44 16-16.1 16-20 to 16-26 16-34	 10 20				4440	Fairly strong micros mask N partly.
557	" 23	F _N F _E 1 8 1 L ? L L _E L _E F	15-37-40 15-37-43 15-42-41 15-44-23 15-46-27 15-49.0 15-51.0 15-56 16-04 16-10	4 20 20 14 14				5000	
558	" 28	L _E L L F	4-09 4-18 4-26 4-35	40 18 16					

W. H. Wood

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From

to

No.	DATE	PHASE	May 1st		May 2nd, 1915			No. 5	REMARKS
			TIME	PERIOD	AMPLITUDE			DISTANCE	
					A _E	A _N	A _Z		
			h. m. s.	s.	μ			km.	
1915									
259	May 1	1 P	5-11-56	3				8420	The L waves continue for over 4 hours, hence must show some LR. 220 km. is about the average speed per min. of the L waves; but this velocity does not fit in very well. 270 fits best, hence, the L, and for other reasons of the seismogram, are interpreted as the various L R.
		S	5-21-37	6					
		e L	5-33.5	44					
		M _N	5-43.3	24		65			
		M _N	5-48.3	20		70			
		M _E	5-52.0	20	65				
		M _N	5-53.0	18		80			
		L	5-56 to						
			6-16	18					
		L	6-29	16					
		L	6-49	12					
		LR ₁	6-58	12-16					
		L	7-21	20					
		L	7-27	13					
		L	7-43	18					
		LR ₂	7-59	20					
L	8-21	18							
LR ₃	9-25.5	20							
L	9-38	16							
F	9-50								
2560	May 2	P _N ?	4-10-19	2				9280?	
		PR ₁ ?	4-13-54						
		PR ₂ ?	4-16-10						
		S?	4-20-43	6					
		e L	4-37.9	20					
		L	4-39	20					
		L	4-43 to						
			4-50	13					
		L	4-52 to	16 to					
			5-02	14					
F	5-15								

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From May 3 ~~May~~ 8, 1915. No. 6

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
			h. in. s.	s.	μ	μ	μ	km.	
561	May 3	P	3-26-14					3640	Apparently another quake, but no S shows.
		S	3-36-06						
		L	3-50.5	30					
		L	3-55	18					
		L	4-04 to						
			4-20	14					
		i _N	4-24-47	4					
		L	5-00	40					
		L	5-06	30					
		L	5-14	20					
		L	5-28	18					
		F	6-10						
562	May 5	P _N ?	11-32-08					8000?	
		e L	11-53	40					
		L _E	12-12	24					
		L _N	12-15.3	30					
		L	12-18 to	20 to					
			12-38	18					
F	13-00								
563	May 6	P	12-16-15	4				3960.	L _N masked by micros.
		S	12-22-00	10					
		L _E	12-27.5	30					
		L _N	12-27.6	40					
		M _N	12-29.7	14		50			
		L _E	12-32.0	14	45				
		L	12-34	8					
		L	12-42	8					
		F	13-30						
564	May 8	L _E	14-41	20					
		L _E	14-57	16					
		F	10-10						

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From **May 9th** to **May 21, 1915** No. 7.

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A _E	A _N	A _Z		
565	May 12	PE ?	10 ^m 40 ^s -13	s.	μ	μ	μ	6500 ^{km.} ?	
		SN ?	10-49-07	6					
		LN	10-57	28					
		LE	11-04.6	20					
		LN	11-05.6	20					
		L	11-11 to	18 to					
		F	11-36	14					
		F	12-00						
566	May 14	e	6-52-49					?	Phases diffi- cult to read.
		L	7-21	18					
		L	7-25	17					
		L	7-31	14					
		L	7-47	14					
		F	8-00						
567	May 17	PN	13-17-23	4				2740?	
		SN ?	13-21-47	8					
		LN	13-26.2	14					
		LE	13-27.0	20					
		L	13-29	20					
		F	13-50						
568	May 18	eN	14-56-11					5600 ?	
		SE ?	15-03-27	6					
		e L	15-10.3	20					
		L	15-13	16					
		F	15-20						
569	May 21	eN ?	4-43-20					7000?	N some- what masked by mic- ros.
		eE	4-43-24						
		eN	4-44-12						
		eLN	5-01.5	40					
		LN	5-05.6	30					
		L	5-09	20					
		L	5-13 to	18 to					
			5-24	14					
		F	5-35						

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From May 22nd, to May 31, 1915 No. 8

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
			h. m. s.	s.	μ	μ	μ	km.	
570	May 29	e L	0-35.3	20					
		L	0-37	16					
		F	0-45						
571	" 29	eN	7-03						
		eE	7-03.5	6					
		LE	7-06	10					
		F	7-15						
572	" 29	eLN	8-47.8	20					
		LE	8-50	10					
		F	8-53						
573	" 30	e	13-31-38	2-3					
		L ?	13-32.0	7					
		F	13-40						

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **June 1** to **June 5, 1915** No. **9**

No.	DATE 1915	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			DISTANCE km.	REMARKS
					A_E μ	A_N μ	A_z μ		
574	June 1	ePN	14-52-03					4860	
		1P	14-52-07						
		PR, N	14-53-49						
		S, N	14-58-38	5					
		eLE	15-04.8	36					
		eLN	15-04.9	40					
		LE	15-06	26					
		LN	15-07	26					
		LE	15-07	20					
		ME	15-07.5	20		50			
		MN	15-10.0	18			60		
		LE	15-11 to	12 to					
			15-44	11					
	F	15-10							
575	" 4	eL	21-30.8	20					
		LE	21-32	10					
		F	21-35						
576	" 4	eE	22-21-22	6					
		L	22-50.4	24-20					
		LE	22-58	12					
		LN	23-03-29						
		F	23-05						
577	" 5	LE	20-02 to						
			20-05	22					
578	" 5	e	20-15-33	4					
		e	20-25-22						
		F	20-30						

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TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **June 6** to **June 12, 1915** No. 10

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A _E	A _N	A _Z		
			h. m. s.	s.	μ	μ	μ	km.	
579	June 6	eLE	20-38.2	24					
		eLN	20-41.2	20					
		LE	20-42	20					
		LE	20-45	18					
		LE	20-53	16					
		F	21-00						
580	" 6	iPN	21-39-53	5				6940	
		iS	21-48-19	5	25	9			
		i	21-49-30	5					
		iE	21-50-49	5					
		eLN	21-56.2	40					
		eLE	21-56.7	44					
		L	22-01	20-1.8					
		LE	22-11	20					
		LN	22-13	17					
		LE	22-16	16					
		iN	22-32-03	5					
		L	22-38	14					
		L	22-48	14					
		F	24-00						
581	" 7	e	12-26-00	6					
		eLE	12-26.0	20					
		LE	12-28.0	18					
		F	12-35						
582	" 12	eN	6-32					By mis- hap E light- spot off.	
		eN	6-40						
		eLN	6-46.3	20					
		LN	6-49	14					
		LN	6-52	12					
		F	7-00						

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From June 13 to June 30, 1915. No. 11

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
			h. m. s.	s.	μ	μ	μ	km.	
583	June 22	iPN	3-34-58					7210	
		iS	3-43-38	6					
		SR ₂ ?	3-51.2	11					
		eLN	3-54.5	22					
		eLE	3-55.0	22					
		L	4-00	11					
		F	4-15						
584	" 23	ePN ?	4-10-14					3700	In southern California.
		iSN	4-15-43	3					
		SE	4-16-00						
		MN	4-16-58	5		5			
		ME	4-17-24	10	2				
		eL	4-18.3	20-18					
		F	4-55						
585	" 23	ePN ?	5-06-48					3700	
		iSN	5-12-19						
		SE	5-12-36						
		MN	5-13-34	5		10			
		ME	5-15-36	10	4				
		eL	5-15.5	20-10					
		F	5-55						

U. S. Wilson

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INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **July 1** to **July 31, 1915** No. 12

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
	1915		h. m. s.	s.	μ	μ	μ	km.	
586	Jul. 22	P S L F	4-23-00 4-28-16 4-32.7 4-45	19				3480	
587	" 25	I S L F	21-05-13 21-14-36 21-16.5 21-40	25				4520	
589	Jul 31	iP Pr ₁ Br ₂ ^E Pr ₃ oS ₃ Sr ₁ el. L L L L F?	1-42-30 1-45-23 1-46-40 1-47-10 1-51-00 1-56-00 1-59.7 2-10 2-25 2-40 3-5 3-30	60 30 20 18 16				7080	
588	Jul 29	L	10-555	12					

Owing to the absence of Dr. Klotz, the report for July is issued without his supervision.

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From August 1st

to Aug. 7, 1915.

No. 13

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					<i>A_E</i>	<i>A_N</i>	<i>A_Z</i>		
			h. m. s.	s.	μ	μ	μ	km.	
519	Jul 31	P	1-42-32					7700km	Substi- tute for July bulletin Reread by Dr. Klotz on his re- turn.
		PR ₁	1-45-20						
		PR ₂	1-47-00						
		S _N	1-51-37						
		SE	1-51-38						
		L	1-59.7	60					
		L	2-04	40					
		L	2-09	28					
		L	2-22 to	18	decreasing to				
		F	3-00	14					
		F	4-30						
590	Aug. 3	P	13-26-22					3240	
		S	13-31-22						
		L	13-36.1	20					
		L	14-02	24					
		L	14-20	20					
		L	14-32	18					
		F	15-35						
591	" 6	P	13-24-48	3				9150	
		PR ₁	13-28 06						
		S	13-35-07						
		L	13-55.2	28					
		L	14-07	18-16					
		L	14-13	16					
		F	15-00						
592	" 7	P	15-23-58					5600	
		S _N	15-31-12						
		L	15-37	30					
		L	15-38	28					
		L	15-43	18					
		L	15-53	14					
		F	16-10						

O. H. Klotz

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From **Aug. 3**

to **Aug. 31st, 1915. No. 14**

No.	DATE 1915	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			DISTANCE km.	REMARKS
					<i>A_E</i> μ	<i>A_N</i> μ	<i>A_Z</i> μ		
593	Aug. 11	L	9-45	40					Very distant, inferred from "Deformation" instrument.
	Note.	Instrument just mounted in special vault for study of deformation of the earth by moon and sun; hence expression "deformation" instrument.							
594	Aug. 16	eN	1-15-44					3500?	
		eE	1-15-48						
		S?	1-21-00						
		L	1-26.0	20					
		L	1-30	24-22					
		L	1-37	15-14					
		L	1-51	14-13					
		L	2-00	15-13					
		F	2-20						
595	Aug. 19	P ?	0-16-32					5550?	
		SE ?	0-23-42						
		SN ?	0-23-44						
		LN	0-33.2	20					
		L	0-52	40					
		L	0-56	30					
		L	0-58	23					
		L	1-00	20					
		L	1-06	18					
		F	1-20						
596	Aug. 22	L	9-36	40					
		F	9-55						
597	Aug. 22	L	11-31	28					
		F	11-50						

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From *Sept. 7* to *Sept. 30th, 1915. No. 16*

No.	DATE 1915	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			DISTANCE km.	REMARKS
					A_E μ	A_N μ	A_z μ		
601	Sept. 7	P L L F	5-10-30 5-13 5-26 5-35	15-13 13			3750 ?		
602	" 7	e _E ? i _N L F	12-55-31 12-57-50 13-07 13-25	20-15			3750 ?		
603	" 7	P S _N S _E ? L _E L L F	20-46-04 20-51-26 20-51-48 20-54.5 20-54.8 21-00 21-06 21-20	10 10 20-13 16-14			3750 ?	P & S not pro- nounc- ed.	
604	" 8	eL _E eL _N	12-48 12-52	12 12					
605	" 12	P S eL L F	20-52-39 20-59-50 21-05.1 21-08 21-25	2 6 20 20			5530		

Otto Klobar

OTTAWA

No.

Earthquake Station, Dominion Astronomical Observatory



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Sept. 1st to Sept. 7th, 1915. No. 15

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS	
					A_E	A_N	A_z			
			h. m. s.	s.	μ	μ	μ	km.		
598	Sep. 6	e	17-50-27							
		LE	17-54	20						
		LE	18-00	20						
		LN	18-15	12						
		L	18-25 to 18-54	20 to 14						
		F	19-15							
599	Sep. 7	P	1-27-27	2				3750	Acceleration 22 milligals Energy = $\bar{23}$ 10×10^{23} ergs. 10 ²³ is retained for comparison with Galit. zin's value of the Paris quake of Feb. 18, 1911 of 4.3×10^{23} .-	
		PR ₁	1-27-53							
		S	1-33-00							
		L	1-36.1	40						
		MN	1-40.1	30	1830					
		ME	1-39 to 1-40.5	30		1300				
		L	1-51	40						
		L	2-03 to 2-55	16 to 13						
		F	Merges in another quake.							
		Vertical								
		eP	1-27-29							
		iP	1-27-38							
		eL	1-36.5							
		L	1-39	34						
M	1-40.5	26				3600				
L	1-50	12								
F	1-55									
600	Sep. 7	P	4-35-27					3750?		
		L	4-44	12						
		L	4-48	12						
		F	5-10							

U. S. T. C. 1915

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LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Oct. 1st

to Oct. 3rd, 1915. No. 17

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A _E	A _N	A _Z		
			h. m. s.	s.	μ	μ	μ	km.	
06	Oct. 2	P ?	23-51-10						Micros mask some- what.
		FR, N ?	23-52-20						
		SN	23-56-14						
		SE	23-56-15						
		LE	23-58.2	8					
		F	24-20						
07	Oct. 3	PE ?	1-56-40						Micros mask some- what
		PN ?	1-56-44						
		1E	1-59-46						
		L	2-04.0	8					
		F	2-40						
08	Oct. 3	PE	6-59-34	2				3330	
		PN	6-59-35	2					
		S	7-04-40	10					
		eLN	7-09.2	20					
		eLN	7-09.3	20					
		MN	7-11.6	20					
		ME	7-12.7	20	1600	4000			
		L	7-35	16					
		L	7-45	10					
		L	8-00	11-13					
		L	8-24	12-13					
		F	9-15						
		Lv	7-10.0	18					
		M	7-11.1	14			3500		
		M	7-13.3	8			3700		
M	7-13.9	8			3500				

O. H. ...

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Earthquake Station, Dominion Astronomical Observatory



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From Oct. 4th

to Oct. 31, 1915. No. 18

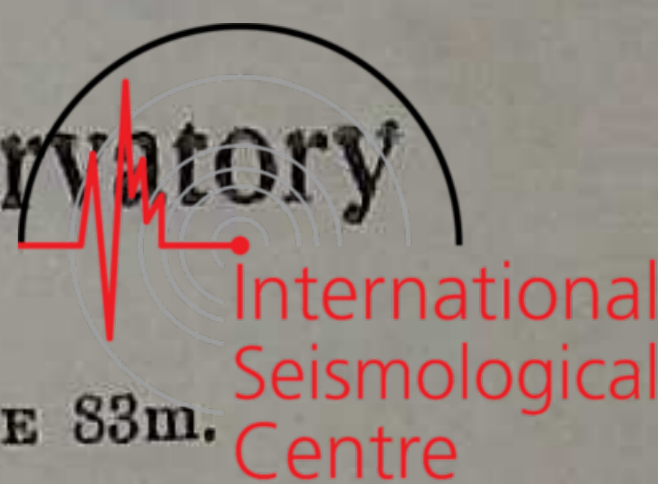
No.	DATE 1915	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			DISTANCE km.	REMARKS
					A_E μ	A_N μ	A_z μ		
99	Oct. 11	P _E P _N S L L F	2-47-11 2-47-12 2-54-17 3-00.5 3-02 to 3-05 3-20	16 20			5430	P not well recorded. Small micros.	
100	Oct. 11	P S L M F	19-40 19-43.6 19-46.1 19-46.9 20-44	Seismograph clock work for drum out of repair. Readings from "Deformation instrument," where time scale is only 17.7 mm per hour.			2140		

Otto Klobes

OTTAWA

No.

Earthquake Station, Dominion Astronomical Observatory



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **Nov. 1st** to **Nov. 22, 1915. No. 19**

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A _E	A _N	A _Z		
			h. m. s.	s.	μ	μ	μ	km.	
611	Nov. 1	P	7-37-03	2				9340	Off Japan
		S	7-47-30						
		SR, E	7-53-35						
		L	8-07.6	40					
		L	8-10	20					
		M _E	8-17	20	28				
		M _N	8-23	20		52			
		M _E	8-24	16	28				
		M _N	8-27	16		56			
		L _E	8-33 to	14 to					
			9-04	16					
		LR	9-51	20					
LR	9-56	20-18							
F	10-30								
612	Nov. 13	L _E	4-26.1					3520	Strong micro mask N.
		eL _E	4-55						
		L _E	4-58	18					
		L _E	5-01	18					
		F	5-10						
613	Nov. 21	PE	0-20-34	2				3520	Micros mask PN.
		S	0-25-52						
		L _N	0-28.8	40					
		L _E	0-29.0						
		M _N	0-32.5			720			
		M _E	0-35.0		460				
		L	1-00	11					
		F	3-00						
M _V	0-34.0			650					

Otto Klobar

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TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **Nov. 22** to **Nov. 30, 1915.** No. 20

No.	DATE 1915	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_Z		
			h. m. s.	s.	μ	μ	μ	km.	
614	Nov. 26	FN	19-19-33	2				4140	Micros mask LN
		SE	19-25-28						
		SN	19-25-30						
		LE	19-30.8	30					
		LE	19-34	20					
		LE	19-35	18					
		LE	19-36	14					
		F	19-47						
615	Nov. 30	FN ?	4-53-09	2				3900?	
		SE ?	4-59-50						
		SN ?	4-59-51						
		eLE ?	5-13.4	60					
		LE	5-06	40					
		LE	5-07	30					
		LE	5-08	20					
		LN	5-09	24					
		L	5-10	20-18					
		F	5-15						

Otto Loh

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Earthquake Station, Dominion Astronomical Observatory



LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51.8 W. Greenwich, ALTITUDE 83m.

TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From December 1 to December 17, 1915. No. 21

No.	DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
	1915		h. m. s.	s.	μ	μ	μ	km.	
616	Dec. 3	PN?	3-12-32					7500?	Strong micros mask much
		eLE	3-34.7	30					
		LE	3-43	20					
		LN	3-47	20					
		LE	3-53	18					
		F	4-10						
617	" 7	P	10-47-07	2				5340	Strong micros mask much
		SE	10-54-06						
		SN	10-54-10						
		eL	10-59.7	18					
		LE	11-04	16					
		LE	11-11	14					
		F	11-30						
618	" 7	P	18-47-16	2				700	
		S	18-48-33						
		F	18-55						
619	" 12	P	21-10-25					3240	Exceed- ingly strong micros.
		S	21-15-25						
		eL	21-18.5	38					
		F	21-45						
620	" 17	SE ?	7-55-04					3300?	
		eL	7-58	29					
		L	8-02	16					
		F	8-15						

Handwritten signature: Otto Neuhoff

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No.

Earthquake Station, Dominion Astronomical Observatory

LATITUDE 45° 23' 38", LONGITUDE 75° 42' 57" or 5^h 02^m 51^s.8 W. Greenwich, ALTITUDE 83m.



TIME : Mean Greenwich, midnight to midnight.

INSTRUMENTS : Two Bosch photographic horizontal pendulums, one Spindler and Hoyer 80 kg. vertical seismograph.

From **December 18** to **December 31, 1915.** No. 22

No.	1915 DATE	PHASE	TIME	PERIOD	AMPLITUDE			DISTANCE	REMARKS
					A_E	A_N	A_z		
621	Dec. 28	PN ? SE ? eLE LE	23-51-33 23-57-08 24-09.0 -----	s. 24	μ	μ	μ	3800 ^{km.} ?	Very strong micros mask much.-
622	Dec. 31	PE PE ₂ E SE L LN LE LE	12-27-03 12-28-27 12-32-50 12-38 12-40.7 to 12-41.4 12-42.4 13-30	2 40	70	130		4000	Very strong micros mask much.-
623	31	PE SE SR. E LE LE	23-13-34 23-18-32 23-19-38 23-22.6 23-50	2 28				3200	Micros mask N com- ponent

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