

Toronto, Canada.

SEISMOLOGICAL BULLETIN

LATITUDE

LONGITUDE

HEIGHT

SUBSOIL

43° 43' 0.8" N.

5h 17m 35.6s W.

373 feet above sea level.

Sand and Clay.

Apparatus: Milne horizontal pendulum, North.

Time: G. M. T.. MIDNIGHT TO MIDNIGHT.

From.....January 1st,..... To.....

Date	Phase	Hour	Period	Amplitude			Δ	Remarks
				A _N	A _E	A _Z		
JANUARY		H. K. S.			PM.			
1st.	e?	20 16 30?						
	e	20 20 34?						
	eL	20 43 06						
	H	20 51 42			1.3		Early phases masked by micros.	
	F	Micros.						
1st.	J	9 27 24			0.05		Thickening.	
	F	9 31 36						
6th.	F	Micros.						
	S	14 30 30						
	eL	14 38 06						
	eL	14 42 12						
	eL	14 45 54						
	H	14 48 54			1.3			
	eL	14 55 18						
	eL	15 30 12						
	F	Micros.						
9th.	1P	5 16 24						
	1S	5 21 30						
	eL	5 26 12						
	1L	5 29 12						
	H	5 31 12						
	eL	5 35 30			2.0	3330	All phases well defined.	
	eL	5 57 12						
	F	6 45 30						
17th.	PR?	4 00 00						
	I	4 04 06						
	H	4 04 36			13.0		May be a dual earthquake. Characteristics very abnormal. S waves should come in when Max. movement took place.	
	1L	4 10 12?						
	eL	4 14 24						
	eL	4 44 12						
	eL	5 00 00						
	eL	5 44 12						
	F	6 10 42						
19th.	L	23 03 30	}					
	eL	23 12 18						
	H	23 24 00			0.3			
19th.	eL	0 06 12	}					
	H	0 12 30			0.5		A dual eq.	
	F	Micros.						

Toronto, Canada.**SEISMOLOGICAL BULLETIN**

LATITUDE

LONGITUDE

HEIGHT

SUBSOIL

43° 45' 0.8" N.

5h 17m 35.6s W.

373 feet above sea level.

Sand and Clay.

Apparatus: Milne horizontal pendulum, North.

Time: G. M. T.. MIDNIGHT TO MIDNIGHT.

From..... To.....

Date	Phase	Hour	Period	Amplitude			Δ	Remarks
				Λ_N	Λ_E	Λ_Z		
January		H. P. S.			mm.			
22nd.	eL	4 15 24						
	eL	4 19 12						
	M	4 27 54			1.3		P & S. masked by micros.	
	P	5 14 18						
22nd.	S or							
	L	21 18 48						
	eL	21 38 48						
	M	21 47 54			1.3		Micros masked preliminary phases.	
	P	small micros						
26th.	S?	9 41 18						
	eL	9 50 12						
	eL	9 52 48						
	M	9 53 12			0.3			
	P	10 20 48						
31st.	1P	13 24 30						
	e	13 29 42						
	1P	13 30 12						
	1L?	13 35 30						
	1L?	13 37 30						
	M	13 39 54			16.0	3910	Well defined sol program.	
	eL	14 15 42						
	eL	15 15 30						
	eL	15 24 48						
	eL?	15 52 48?						
	P	Micros.						
Period of Boom 18 seconds. Pillar inclination $I_{PM} = 0.45$								

Toronto, Canada.**SEISMOLOGICAL BULLETIN**

LATITUDE

LONGITUDE

HEIGHT

SUBSOIL

43° 40' 0.8" N.

5h 17m 35.6s W.

373 feet above sea level.

Sand and Clay.

Apparatus: Milne horizontal pendulum, North.

Time: G. M. T.. MIDNIGHT TO MIDNIGHT.

From.. FEBRUARY 1st To.. FEBRUARY 28th

Date	Phase	Hour	Period	Amplitude			Δ	Remarks
				$\frac{A}{N}$	$\frac{A}{E}$	$\frac{A}{Z}$		
FEBRUARY.		H. M. S.			MI.			
14th	eL	14 03 36						
	eL	14 05 12						
	M	14 12 42			0.7			Distant
	F	Micros.						
16th	B7	3 24 12						
	S	3 28 00						
	eL	3 32 42						
	eL	3 38 12						Possibly Hicragua.
	M	3 40 24			1.2			
	F	Micros.						
19th.	L	22 14 54						
	M	22 17 06			0.2			
	F	Micros.						
20th	eL	8 40 36						
	M	8 44 36			0.1			
	F	8 48 00						
28th.	L	21 30 42						
	M	21 32 30			0.3			Doubtful as to being seismic.
	F	Micros.						
				PERIOD OF BOOM 18 SECONDS.				
				PILLAR INCLINATION 1 MM=0.45				

Toronto, Canada.**SEISMOLOGICAL BULLETIN**LATITUDE
43° 47' 0.8" N.LONGITUDE
5h 17m 35.6s W.HEIGHT
373 feet above sea level.SUBSOIL
Sand and Clay.

Apparatus: Milne horizontal pendulum, North.

Time: G. M. T.. MIDNIGHT TO MIDNIGHT.

From..... To.....

Date	Phase	Hour	Period	Amplitude			Δ	Remarks
				A _N	A _E	A _Z		
March		H. M. S.			MM.			
4th	E	13 17 42						
	E	13 21 24						
	S	13 24 36						
	iL	13 34 24						
	eL	13 41 06						
	eL	13 52 00						
	M	13 52 42			0.8		Micros going on.	
	F	-						
10th	P?	11 31 06?						
	iL	11 40 18						
	M	11 41 00			0.8		Small micros render P doubtful. California	
	F	Micros.						
12th.	E	17 11 12						
	i	17 15 48						
	eL	17 24 48						
	eL	17 27 48						
	M	-			0.3?		Light turned down at 17h41m to attend to instrument.	
	F	17 34 00						
16th.	L	23 20 42						
	F	-			0.1		Micros.	
26th.	eL	14 40 48						
	M	14 44 30			0.4		Distant. Gradual thickening.	
	F	Micros.						
28th.	M?	4 03 36						
	P	4 08 24						
	iS	4 17 24						
	M	4 20 12			0.5	7600?	Marked movements before 4h20m36s may be micros.	
	L	4 39 24						
	F	5 32 24						

PERIOD OF BOOM 18 SECONDS.

PILLAR INCLINATION 1 IN-0.45