

TABLE I.—continued.

Date.	In the Hourly Series.		Observed.		Range.		
	Highest Scale Reading.	Lowest Scale Reading.	Highest Scale Reading.	Lowest Scale Reading.	In the Hourly Series.	Total Observed.	Are.
1876.							
March 1	608	553	—	—	50	—	0 31.6
" 2	596	564	—	—	32	—	0 20.2
" 3	612	536	—	—	76	—	0 48.1
" 4	680	386	—	—	294	—	3 6.0
" 5	622	550	—	—	72	—	0 45.5
" 6	672	498	—	—	174	—	1 50.0
" 7	603	569	—	—	34	—	0 21.5
" 8	608	506	—	—	102	—	1 4.5
" 9	616	542	—	—	74	—	0 46.8
" 10	612	556	—	—	56	—	0 35.4
" 11	710	492	—	—	218	—	2 17.9
" 12	636	474	—	—	162	—	1 42.5
" 13	—	—	636	374	—	262	2 45.7
" 14	665	384	—	—	281	—	2 57.7
" 15	—	—	665	321	—	344	3 37.6
" 16	626	541	—	—	85	—	0 53.8
" 17	624	564	—	—	60	—	0 37.9
" 18	618	498	—	—	120	—	1 15.9
" 19	612	562	—	—	50	—	0 31.6
" 20	608	562	—	—	46	—	0 29.1
" 21	606	568	—	—	38	—	0 24.0
" 22	620	562	—	—	58	—	0 36.7
" 23	608	554	—	—	54	—	0 34.2
" 24	624	552	—	—	72	—	0 45.7
" 25	638	554	—	—	84	—	0 53.1
" 26	692	327	—	—	365	—	3 50.9
" 27	—	—	692	280	—	412	4 20.6
" 28	718	343	—	—	375	—	3 57.2
" 29	—	—	718	170	—	548	5 46.6
" 30	665	494	—	—	171	—	1 48.2
" 31	674	564	—	—	110	—	1 9.6
" 32	688	408	—	—	280	—	2 57.1
" 33	720	552	—	—	168	—	1 46.3
" 34	710	432	—	—	278	—	2 55.9
" 35	641	442	—	—	199	—	2 5.9

March.—Mean Daily Range = $108^{\circ}.2$

* From observations taken every two hours.

TABLE II.—MEAN DIURNAL VARIATION in the DECLINATION, also the MEAN HOURLY SCALE READINGS of the DIFFERENTIAL DECLINATION MAGNETOMETER for each Month.

Mean Time at Place.	1875. October 23rd to October 31st.		1875. November 1st to November 30th.		1875. December 1st to December 31st.		REMARKS.
	Mean Scale Reading.	Variation in the Declination.	Mean Scale Reading.	Variation in the Declination.	Mean Scale Reading.	Variation in the Declination.	
Noon	552.7	-20.7	535.3	-23.6	560.8	-9.5	From the 8th to 10th November the observations were discontinued, the zero of the scale being out of adjustment. Increasing numbers on the scale denote a movement of the north end of the magnet towards the east.
1	566.1	10.6	543.9	19.5	555.0	13.2	
2	575.4	6.3	548.6	15.2	554.2	13.7	
3	581.7	2.3	545.6	17.1	556.7	13.1	
4	582.0	-2.1	563.2	-7.3	568.4	4.7	
5	603.3	+11.5	573.8	+0.7	574.7	-0.7	
6	591.8	4.1	574.1	0.9	576.9	+0.1	
7	592.8	4.7	586.6	8.8	586.2	6.6	
8	608.4	12.0	585.4	8.0	583.9	5.1	
9	602.0	10.5	588.1	9.7	583.4	4.8	
10	607.1	13.8	589.5	10.6	588.3	7.9	
11	615.4	19.0	604.3	20.0	594.0	11.6	
12	605.8	12.9	599.6	17.0	598.7	14.5	
13	603.3	11.3	602.5	18.8	595.1	12.9	
14	612.0	16.9	594.5	13.8	594.4	11.8	
15	602.0	10.5	594.6	13.8	588.6	8.0	
16	600.2	9.4	592.4	12.4	586.6	6.8	
17	590.6	+3.3	586.2	8.5	583.7	4.4	
18	581.3	-2.6	576.5	+2.4	582.2	4.0	
19	573.6	7.4	567.6	-3.2	579.4	+2.3	
20	574.1	7.1	564.0	5.5	555.2	-13.0	
21	567.8	11.1	548.5	15.3	567.3	5.4	
22	584.6	32.1	535.0	23.8	550.5	16.0	
23	525.0	-38.2	545.6	-17.1	555.5	-12.8	
Means	585.3		572.7		575.8		