

Highest Barometer 30.002 at 8 a. m. on 11th. } Monthly range =
 Lowest Barometer 28.877 at 6 a. m. on 26th. } 1.125 inches.
 Mean maximum temperature 48° 2 on a. m. of 26th } Monthly range =
 Mean minimum temperature 29° 1 on a. m. of 13th } 41° 1
 Mean daily range 31° 25 } Mean daily range = 12° 15.
 Greatest daily range 21° 6 from a. m. to p. m. of 13th.
 Least daily range 3° 5 from a. m. to p. m. of 2nd.
 Warmest day 23rd Mean Temperature 37° 55 } Difference = 23° 28.
 Coldest day 10th Mean Temperature 9° 27 }
 Maximum { Solar 64° 8 on p. m. of 18th } Monthly range =
 Radiation { Terrestrial -7° 8 on a. m. of 13th } 72° 6.
 Aurora observed on 3 nights, viz.: 1st, 24th, and 23th; possible to see Aurora
 on 11 nights; impossible on 17 nights.
 Snowing on 14 days; depth, 8.3 inches; duration of fall 67.2 hours.
 Raining on 6 days; depth, 0.453 inches; duration of fall, 16.7 hours.
 Mean of cloudiness = 0.74; most cloudy hour observed, 4 p. m., mean = 0.83; least
 cloudy hour observed, midnight, mean = 0.61.

Stems of the components of the Atmospheric Current, expressed in Miles.

North.	South.	East.	West.
2107.83	1033.96	1300.03	2782.72
Resultant direction, N 54° W; Resultant Velocity, 2.72 miles per hour.			
Mean velocity of the wind 8.50 miles per hour.			
Maximum velocity 37.6 miles per hour, from 5 to 6 p. m. on 20th.			
Most windy day 20th—Mean velocity, 23.05 miles per hour.			
Least windy day 15th—Mean velocity, 2.43			
Most windy hour, noon to 1 p. m.—Mean velocity, 10.23 do } Difference			
Least windy hour, 9 to 10 p. m.—Mean velocity, 0.82 do } 3.41 miles.			

8th. Solar halo at noon, (imperfect.)

9th. Lunar halo at 6.30 p. m.

11th. Lunar halo and corona from 6.50 p. m. (Very distinct.)

12th. Lunar halo, 6.30 to 8 p. m. (Very perfect.)

17th. Fog from 9.30 p. m.

18th. Fog from 6 a. m. Very mild day.

19th. Dense fog from 7 a. m. Very mild day.

20th. Severe thunderstorm from 1.30 to 3.30 a. m. (First of the season.) Fog from
 6 to 9 a. m. Great storm of wind; mean velocity, from 9 a. m. of 20th to 9 a. m. of
 23rd. Solar halo from 9.30 a. m. to 2 p. m. [21st, = 31.13 miles per hour.

25th. Very stormy day; wind high, and very keen.
 26th. Brilliant meteor at 6.15 p. m.: descending from zenith towards NNW, emitting
 a bright tail, and bursting into small fragments when within about 20° of horizon.

The Resultant Direction and Velocity of the Wind for the month of February,
 from 1843 to 1850 inclusive, were respectively N 69° W, and 2.93 miles.

The month of February, 1850, was mild and dry; the mean temperature having
 been 32.1 above the average of 20 years. The depth of rain and snow were both less
 than the average; the former by 0.583 in. and the latter by 9.0 in. Total deficiency of
 moisture = 1.488 in.

COMPARATIVE TABLE FOR FEBRUARY.

YEAR.	TEMPERATURE.					RAIN.		SNOW.		WIND.		
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	Inches.	No. of days.	Inches.	No. of days.	Resultant	Direc- tion.	Mean Velocity.
1840	23.0	+ 5.2	49.1	- 8.3	57.4	8	1.475	6	...	...	...	0.61 lbs
1841	22.4	- 0.4	43.4	- 0.3	43.7	1	0.000	0	...	...	...	1.03 "
1842	26.0	+ 4.1	48.7	+ 2.5	46.2	8	3.625	9	...	...	...	1.05 "
1843	14.5	- 8.3	37.5	- 10.2	47.7	1	0.375	21	14.4	...	...	0.43 "
1844	26.0	+ 3.2	47.1	- 0.4	47.5	4	0.430	7	10.0	...	...	0.99 "
1845	28.0	+ 3.2	48.6	- 3.9	50.5	5	Imp't	9	19.0	...	...	0.65 "
1846	20.4	- 2.4	41.4	- 16.2	57.6	0	0.000	13	16.1	...	...	0.69 "
1847	21.5	- 1.3	42.2	- 1.0	43.2	2	0.550	13	27.3	...	...	5.69ms.
1848	26.6	+ 3.8	46.9	- 0.6	47.5	4	0.775	8	10.8	N 65 W,	2.53	6.58 "
1849	19.5	- 8.3	41.1	- 9.2	50.3	2	0.240	13	19.2	N 41 W,	1.48	6.58 "
1850	26.0	+ 3.2	49.2	+ 1.3	47.9	7	1.235	9	23.1	N 80 W,	3.43	7.61 "
1851	27.6	+ 4.8	50.2	+ 1.3	48.9	7	2.600	4	2.4	N 64 W,	1.69	6.94 "
1852	23.4	+ 0.6	41.2	- 3.2	44.4	3	0.650	11	13.0	S 75 W,	3.34	6.42 "
1853	24.1	+ 1.3	43.4	- 0.6	44.0	4	1.030	15	12.6	N 49 W,	2.51	7.30 "
1854	21.1	- 1.7	42.7	- 5.7	45.4	5	1.460	15	13.0	N 7 E,	1.73	6.91 "
1855	15.4	- 7.4	37.3	- 25.0	62.3	2	1.770	14	21.8	N 40 W,	4.34	8.17 "
1856	15.7	- 7.1	35.3	- 18.7	54.0	0	0.000	8	9.7	N 81 W,	7.70	10.71 "
1857	28.5	+ 5.7	51.2	- 5.9	57.1	11	3.050	11	11.7	S 78 W,	3.68	9.82 "
1858	17.0	- 5.8	40.9	- 6.6	47.5	1	Unapp	16	26.7	N 72 W,	8.22	9.12 "
1859	26.0	+ 3.2	43.3	+ 3.9	39.4	6	0.455	14	8.3	N 54 W,	2.72	8.50 "
Mean	22.83	...	43.93	- 5.34	40.27	4.1	1.042	11.2	17.80	...	...	7.81