

Heavy dew recorded on 10 mornings during the month.

The Resultant Direction and Velocity of the Wind for the month of July, from 1848 to 1861 inclusive, were respectively N. 65° W., and 0.49 miles.

COMPARATIVE TABLE FOR JULY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	Inches.	No. of days.	Inches.	Resultant Direction.	Mean Velocity.
1840	65.8	—	73.4	43.2	31.2	5.270	6	...	...	0.27 lbs
1841	65.0	—	86.3	43.2	43.1	8.150	10	...	...	0.33 "
1842	64.7	—	90.5	42.0	48.5	3.050	4	...	...	0.44 "
1843	64.5	—	86.1	40.2	45.9	4.005	5	...	...	0.19 "
1844	66.0	—	86.1	40.5	45.6	2.815	12	...	...	0.30 "
1845	66.2	—	94.6	45.6	49.0	2.105	7	...	...	0.29 "
1846	68.0	+	91.0	44.9	46.1	2.895	9	...	...	0.19 "
1847	68.0	+	87.5	43.8	43.7	3.355	8	...	...	0.15 "
1848	65.5	—	82.7	40.7	36.0	1.800	10	...	N 14° W	0.18 4.94 ms.
1849	68.4	+	89.1	51.0	38.1	3.415	4	...	S 5° W	0.75 3.52 "
1850	68.0	+	84.9	52.8	32.1	5.270	12	...	N 81° E	0.59 4.56 "
1851	65.0	—	82.7	52.1	30.6	4.025	12	...	N 60° W	0.88 4.13 "
1852	66.8	—	90.1	49.5	40.6	3.025	10	...	N 43° W	0.93 3.33 "
1853	65.6	—	85.4	49.4	36.0	0.915	10	...	S 53° E	0.24 3.69 "
1854	72.5	+	93.6	53.0	40.6	4.805	13	...	S 49° W	0.37 4.03 "
1855	67.9	+	88.4	53.1	35.3	3.245	13	...	S 19° W	0.73 6.47 "
1856	69.3	+	92.0	51.4	40.6	1.120	8	...	N 79° W	1.57 5.84 "
1857	67.8	+	85.4	52.4	33.0	3.475	15	...	S 68° E	0.81 4.74 "
1858	67.9	+	83.4	55.9	27.5	3.072	13	...	N 15° E	1.13 5.73 "
1859	66.9	+	87.7	50.5	37.2	2.611	12	...	N 56° W	1.48 5.81 "
1860	63.9	—	85.8	47.5	38.3	4.336	13	...	N 60° W	2.15 7.23 "
1861	65.4	—	82.9	49.4	33.5	2.635	10	...	N 74° W	1.43 4.66 "
Mean	66.85	...	87.21	48.32	38.89	3.400	10.0	...	...	4.91
Diff. from Ave.	—1.48	...	—4.31	1.08	—5.39	—0.855	6.0	...	...	—0.25

Highest Barometer 29.830 at 10 p. m. on 13th. } Monthly range =
 Lowest Barometer 29.269 at 2 p. m. on 28th. } 0.561 inches.
 Maximum temperature 84°5 on p. m. of 7th } Monthly range =
 Minimum temperature 47°0 on a. m. of 2nd } 37°5
 Mean maximum temperature 74°87 } Mean daily range = 18°44.
 Mean minimum temperature 56°23
 Greatest daily range 29°1 from a. m. to p. m. on 5rd.
 Least daily range 8.0 from a. m. to p. m. on 11th.

Warmest day 8th ... Mean Temperature . . . = 73°85 } Difference = 19°38.
 Coldest day 2nd ... Mean Temperature . . . = 54°47 }

Maximum { Solar 99°8 on p. m. of 9th } Monthly range =
 Radiation { Terrestrial 37°0 on a. m. of 17th } 63°8.

Aurora observed on 1 night, viz: on 9th; possible to see Aurora on 17 nights; impossible on 14 nights.

Showing on — day: depth, — inches; duration of fall, — hours.
 Raining on 16 days; depth, 2.635 inches; duration of fall, 34.7 hours.

Mean of cloudiness = 0.58; above average 0.11; most cloudy hour observed 4 p. m., mean = 0.67; least cloudy hour observed mid., mean = 0.42.

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

North. South. East. West.
 1482.98 1190.32 383.47 1410.04

Resultant direction, N 74° W; Resultant Velocity, 1.43 miles per hour.

Mean velocity 4.68 miles per hour.

Maximum velocity 20.0 miles, from 3 to 4 p. m. on the 20th.

Most windy day 20th—Mean velocity 10.08 miles per hour. } Difference
 Least windy day 15th—Mean velocity, 0.40 do } 9.18 miles.

Most windy hour, 4 to 6 p. m.—Mean velocity, 8.07 miles per hour. } Difference
 Least windy hour, 11 p. m. to mid.—Mean velocity, 2.34 do } 5.73 miles.

1st. Distant thunder at 8 p. m.—4th. Fireflies very numerous at night.—8th. Thunderstorm, lightning and rain from 8.40 p. m.—10th. Thunderstorm from 3.40 p. m.

Heavy rain from 4 p. m., continuing all night.—15th. Thunderstorm, lightning and rain from 9 to 11.40 p. m.—16th. Thunderstorm, vivid lightning, and heavy rain from 2.10 to 2.50 p. m.—18th. Thunderstorm, lightning, and slight rain, 2 p. m. to midnight.—19th. Thunderstorm from 2 p. m. to 10.15 p. m.—26th. Indistinct solar halo at 6 a. m.—28th. Thunderstorm, with very heavy rain, 8.30 a. m. to 0.30 p. m.—30th. Severe thunderstorm from 10 p. m. to 2 a. m. of 31st.—31st. Sheet lightning in S.E. at 10 p. m. Shooting stars numerous at night.