

Monthly Report for January, 1893.

The subjoined report gives sunrise, minimum and maximum readings of the thermometer, and the amount of rainfall for the month of January.

The readings of the thermometer were taken on an elevated plateau near the city, the position of the instruments being free from any influence of refracted heat. They are self-registering, of the very best French manufacture, and the figures are believed to be absolutely correct:

CONDITION.	Sunrise.	Minimum.	Rainfall— Inches.	Maximum.	Wind.
1—Clear	15	11°	.02	46	N. W.
2—Cloudy (1)	18	18	.....	37	N. W.
3—Cloudy	20	20	.02	47	N. E.
4—Clear	18	18	.....	45	N. W.
5—Clear (2)	15	15	.....	45	N.
6—Cloudy (3)	35	25	.02	56	S.
7—Cloudy	48	48	.02	70	S. W.
8—Cloudy (4)	43	43	.....	57	S. E.
9—Cloudy (5)	30	30	1.15	36	N.
10—Cloudy (6)	30	30	1.14	50	N.
11—Clear	32	32	.24	52	S. W.
12—Clear (7)	27	27	.....	51	S.
13—Clear	3	3	.....	21	W.
14—Clear	15	15	.22	42	S. W.
15—Clear (8)	17	17	.....	50	S. W.
16—Cloudy (9)	36	36	trace	45	E.
17—Clear	24	24	.39	52	S.
18—Partly cloudy	22	22	.....	52	S. E.
19—Clear	42	42	.....	57	S. W.
20—Clear	19	19	.....	47	S. W.
21—Cloudy (10)	38	33	.....	59	S. E.
22—Clear	41	41	trace	52	W.
23—Clear	27	27	.....	52	S. W.
24—Clear	23	28	.....	50	S. W.
25—Cloudy (11)	19	19	.....	43	W.
26—Cloudy	24	24	.98	51	S. W.
27—Cloudy	25	25	.....	44	W.
28—Cloudy	30	30	.....	42	W.
29—Cloudy (12)	26	26°	.88	46	N. E.
30—Cloudy (13)	26	26	.....	43	S.
31—Cloudy	28	28°	.06	42	N.
Averages	23.1	22.6	5.14	47.1	

Mean temperature, 35.1.

Estimated.

On the 31st of December there was light snow at intervals during the day, averaging about one fifth of an inch.

1. Light snow at night.
2. Light shower at night.
3. Light shower in the afternoon.
4. Rain during the day accompanied with snow and hail at night.
5. Hail in the forenoon; rain in the afternoon and at night.
6. Showers early in the forenoon and late in the afternoon.

7. Light shower, with thunder-storm late in the afternoon.

8. Few drops of rain early at night.

9. Thunder-storm in the forenoon, followed by light rain during the day.

10. Very light rain in the forenoon, with a few drops at night.

11. A few flakes of snow in the forenoon; rain and freezing at night.

12. Snow in the afternoon and early at night (seven inches).

13. Snow in the forenoon (about half inch).

Rainfall for the month 5.14 inches.

Measurement of downpour made each morning at 7 o'clock.

There was a good deal of high winds during the month, and nearly ten inches of snow fell during the same time.

Seventeen days during the month were cloudy at the time of observation.

We give in the table below the mean temperature and the aggregate amount of rainfall during the month of January for the past sixteen years:

	Mean tempe- rature.	Rain- fall. Inches.
1880	45.6	0.68
1881	33.5	2.36
1882	38.5	5.40
1883	34.4	3.18
1884	34.1	2.25
1885	40.1	3.97
1886	51.1	4.45
1887	37.6	1.18
1888	32.4	3.93
1889	42.4	4.77
1890	48.5	4.31
1891	44.9	4.30
1892	40.0	4.13
1893	38.8	4.42
1894	38.4	3.62
1895	35.1	5.14