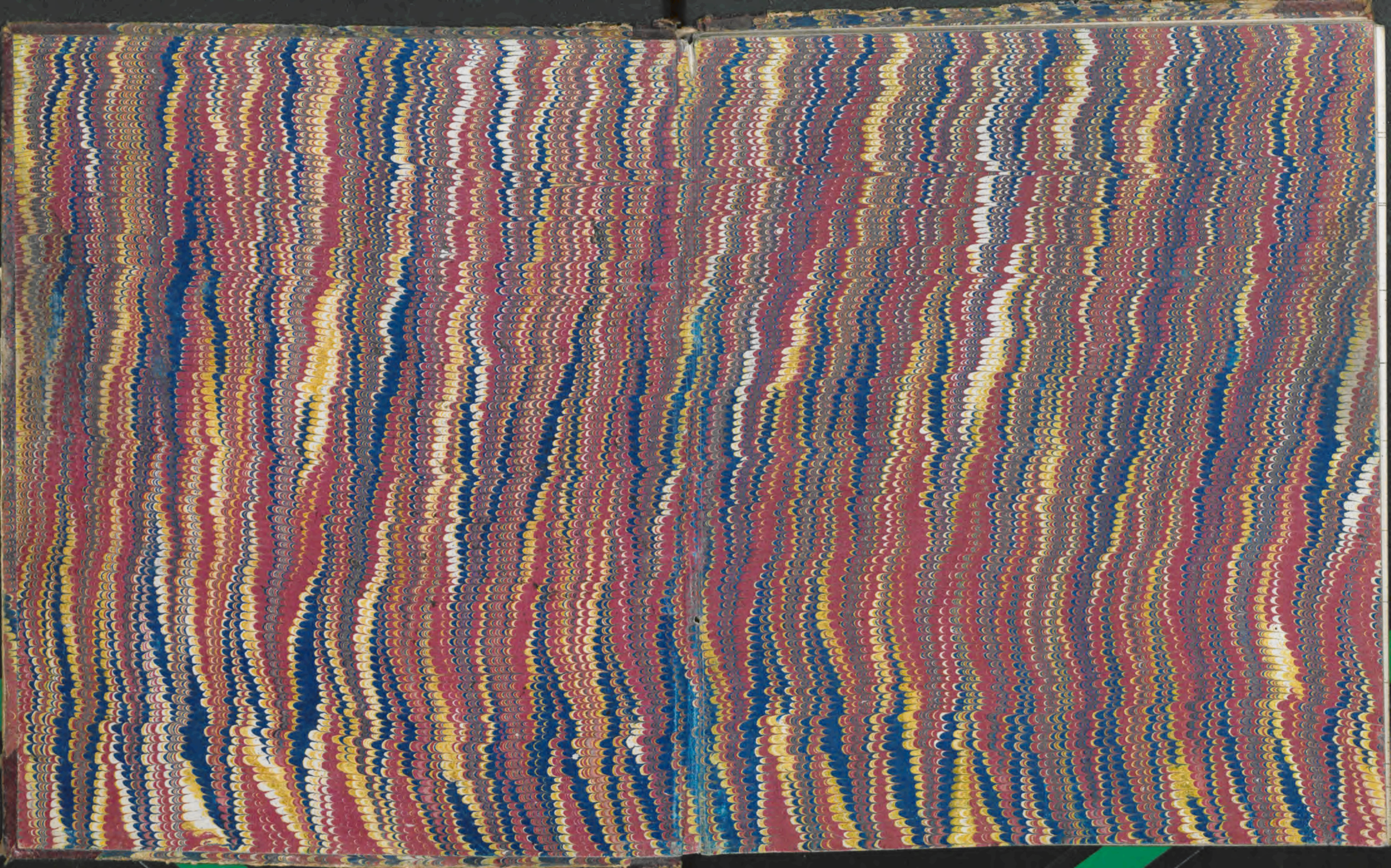


Daily Notes
for
1869, and 1870.

THW
13





January * 1869.

Jan. 5.	Baro- meter	Wind.	Thermom ^r Lowest 8 am. Highest.		Weather, &c.	Thermometer 8 pm.	Notes.	Rain.
F. 1.	30.14 -17	NW ₀ W ₀ SW ₃	28 28 3 1/2		Clear, calm and hard frost, very fine and bright day. Rather hazy even ^g , & frost keen. Cloudy night, change & more wind.	30		
S. 2.	29.80 30.03	W ₆ W ₂ SW ₂	30 44 45		Rain & gale early, bright morn ^g after 8, and very fine & sunny till 2 pm, afterwards hazy, and a cloudy evening and night.	39		22
Su. 3.	29.67 -87	S ₅ SW ₃ W ₂	37 49 51		Very mild & blustering, followed by rain from 12 till 2 pm, after- wards fair and bright, and the even ^g chiefly clear, fine night.	40	♂ ♀ ☉ ♂ ♀ ☿	24
M. 4.	-97 30.10	SW ₁ SW ₂ SW ₁	35 35 46		Bright all day, gentle breeze, and few light cirri clouds. Evening chiefly clear, but a change in the night.	38	♂ ♀ ☿	
Tu. 5.	29.80 -68	SE ₅ S ₆ SW ₅	37 46 52		Overcast, rainy & blustering, finer after 2 pm, sunny & windy till after 3, again stormy & with till 5. - Finer evening & night.	41	moon last. Dr. 6.22 am.	22 11
W. 6.	30.27 -39	SW ₁ SW ₁ SW ₀	32 34 45		Bright, and serene all day, a few light clouds after 2 pm. - and hazy in the evening. Much rain in the night.	41	♂ ☿ ☉	
Th. 7.	34 -45	E ₂ NE ₂ NE ₂	36 37 45		Hard rain early AM, but a fine and bright day, till 3 pm, then cloudy, and all the clouds moved from SW, across the under current.	43		40
F. 8.	47 -51	S ₂ SW ₂ SW ₀	41 44 52		Fog early, bright and mild day, with clouds at times; close and cloudy even ^g & night.	43		
S. 9.	56 -60	SW ₀ SW ₀ S ₀	39 44 50		Very foggy & mild morn ^g , bright afternoon, & very mild. Even ^g foggy & still mild.	41	Earthquake shock at 11.30 am.	
Su. 10.	47 -38	S ₁ SE ₃ SE ₅	40 44 46		Very thick fog till after 9, then bright with grey clouds, and a colder breeze. Cloudy & windy evening.	41		
60367			355	4695	Mean Temp 41° 22. -	Rain evap over 1.79		
			8245		6° above Average.			

A smart shock
of Earthquake
here at 11.30 am
Jan'y 9. 1869.

January * 1869.

Jan.	Baro.	Wind.	Thermom.	Thermometer	Notes	Rain.
	inches		8 am. Highest.	at 8 pm.		1.19
M. 11.	30.31 -33	SE ₂ SE ₂ SE ₂	37 40 41		Overcast till 10 am, afterwards sun at times, & low clouds, but very cold. Cloudy evening, and a cold air.	
Tu. 12.	-28 -25	SE ₁ SE ₁ SE ₁	35 38 41		Cloudy and a little fog at times, but calm, and fine. Evening also cloudy, and very dark, but a fine night.	new moon 6.53 pm.
W. 13.	-19 -75	SE ₀ SE ₂ SE ₁	36 40 42		Cloudy & calm morning, continued cloudy but more wind after 12 noon. Lowering and dark evening and night.	
Th. 14.	-02 29.89	SE ₁ SE ₂ SE ₄	36 38 38		Very cloudy, nearly alike all the day, and a raw, and cold air. Mild evening and night more wind and little rain.	
F. 15.	-74 -84	SSE ₃ S ₂ S ₃	36 45 48		Mild and lowering, with little showers at times, and the evening cloudy, mild, and little wet. Some wind during night.	Distant Thunder N.E. - 2 pm.
S. 16.	30.18 -29	SW ₂ W ₁ S ₃	43 45 47		Rain early, but a fine day, with sun, and light clouds. Cloudy evening, and some rain during the night, wind rising.	
Su. 17.	-24 -26	S ₄ S ₂ S ₁	44 47 48		Overcast and rain at times, with gusty wind, but less in the afternoon, and the evening calm and clearer. Colder night.	
M. 18.	-47 -52	Var. SE ₁ SE ₁	30 34 44		Fog & frost, bright, all day, from 9 am, nearly calm, & few light clouds. Very foggy after 3 set.	* 8 24
Tu. 19.	-37 -38	SE ₁ S ₁ S ₁	37 41 42		Cloudy & mild morning, the same all day, & nearly calm. Rather foggy in the evening & night.	
W. 20.	-49 -40	SE ₁ S ₁ S ₀	29 33 41		Bright morning, and the same all day, light clouds, and nearly calm. Frosty evening.	Δ 98
605.00		3634323		Mean Temp. 39° 77. Rain cald up 1.72		
		725.5		4 3/4 - above Average.		

January * 1869.

Jan.	Baro.	Wind.	Thermom.	Thermometer	Notes	Rain.
	inches		8 am. Highest.	at 8 pm.		1.72
Th. 21.	30.30 -32	SE ₀ SE ₁ SE ₁	30 33 41		Gentle frost, hazy and calm, hazy all day, little sun, and a raw & cold air. Evening cloudy and rather foggy, but fine.	moon 1st. Dr 0.26 am. * 8 1/2
F. 22.	-39 -44	E ₁ E ₁ E ₁	30 32 37		Hazy, but bright, till 10 am, afterwards cloudy and cold, evening overcast but fine, and little frost in the evening.	
S. 23.	-33 -22	S ₂ S ₂ SE ₁	29 32 33		Hazy, little frost, early; cloudy all day, and a keen breeze, hard frost set in, sharper at night.	
Su. 24.	-22 -22	SE ₀ SE ₂ SE ₁	22 25 33		Very hard frost, calm, grey clouds & sun at times. Frost cleared after 10 am. Very keen air. Clear evening and sharp frost all night.	very hard frost.
M. 25.	-19 -06	S ₂ S ₂ SW ₂	20 25 38		Clear & sharp frost, very bright till 2 pm, but milder, & some clouds & more wind. Cloudy night, and became much milder.	□ 24
Tu. 26.	29.96 -93	SW ₁ SW ₁ SW _{2.3}	32 36 44		Rain at 5 am, but a fine and bright morning & till 1 pm, then hazy, and the evening mild & foggy.	
W. 27.	-85 -74	S ₁ S ₂ S ₁	36 37 44		Bright till 10 am; afterwards clouds at times, and hazy towards evening. The night chiefly foggy.	
Th. 28.	-50 -52	S ₁ SW ₂ SW ₃	35 42 50		Very foggy, and mild, and little sun at times. Evening cloudy and more wind all night.	Full moon 1.30 am.
F. 29.	-19 -31	SW ₅ S ₄ SW _{2.5}	43 46 52		Galy & rain 4 pm, mild & squally day, flying showers & sun at times; gusty evening, little rain.	8 9 H 04
S. 30.	-61 -73	SW ₄ SW ₄ SW ₂	39 43 49		Squally wind, flying clouds, and sun bright at times. Hazy evening, and much less wind; but the night very windy and warm.	* 40
Su. 31.	-35 -46	SW ₄ SW ₆ SW ₂	43 49 55		Windy morning. Thunder storm 12. 8 pm, very blowing day, but mild & sunny from 11 till 1. Then cloudy, close, and mild, but no rain here.	Thunder a m.
657.84		3594.76		Mean Temp. 37° 95. Total of rain 1.98		
		835		Nearly 3° above Average.		

Summary Notes on January 1869.

Barometer.		Thermometer.	
Highest on the 9 th —	30.60.	Highest on the 31 st —	55°.
Lowest on the 29 th —	<u>29.19</u>	Lowest on 25 th —	<u>20°</u>
Range —	<u>1.41</u>	Range —	<u>35°</u>
Mean of Month —	<u>30.10</u>	Mean daily range —	<u>9.7</u>
Gales on 3 Days. —		Mean of month —	<u>39°6.</u>
		4½° above Average. —	

Prevailing winds S.W.; S; and S.E. —
 Fine days 21. Depth of Rain 1.98 Inches.

This was a very mild month, excepting only from the 20th to the 25th which was a frosty interval. The first and last week were stormy with moderate rain-falls, but the middle portion of the month was mostly fair and calm. The 9th day was remarkable for the Earthquake in Suffolk and Norfolk, and the 31st for a sharp thunder-storm in Suffolk, at 8. 35 A.M. — Public health good for the season, and vegetation proceeding as in Spring!

Aconite in full bloom all the former part of the month; snowdrops fully open also, by the middle of the month, violets opening, and daffodils budded for bloom; and many shrubs opening leaf-buds! Birds tuneful, and many other traits of Spring!

February * 1869.

Feby.	Baro- meter	Wind.	Thermom- Lowest	8 am	Highest	Weather, &c.	Thermom- at 8pm.	Notes	Rain.
M. 1.	29.22 -73	S ₄ SSW ₆ SW ₃	49	50	53½	Day warm, squally & lowering. Blowing more or less all day, and little rain at times; mild and cloudy night, & wind gusty.	49		.03
Tu. 2.	-51 -99	SW ₄ W ₁ W ₁	44	45	45	Cloudy, wet and windy morning, continued cloudy, but finer, and less wind. Some rain in the evening.	40		.11 .04
W. 3.	-91 -89	S ₃ SW ₄ SW ₃	36	42	53	Rain from 8 till 12, then finer and some sun, mild, but unsettled. Cloudy and close evening, and night.	51	moon last 2r 4.56 pm. * ☉	.30
Th. 4.	30.18 -26	SW ₁ SW ₂ SW ₁	45	50	56	Day mild, with grey clouds, and some sun. Very pleasant, and spring-like day, and close evening, with some fog.	51	Crocus in bloom.	
F. 5.	-32 -37	SW ₂ SW ₁ S ₀	42	47	56	Little fog, but soon clearer, very warm, bright, and pleasant all day. Calm, mild, & starlight evening. Fog in the night.	50	Thrushes singing, and lark singing.	
S. 6.	-22 -18	S ₁ S ₂ S ₁	38	46	5½	Thick fog till after 9 am, then very bright and warm all day. Heavy evening, night, and very mild as before.	52	very warm & bright.	
Su. 7.	29.99 30.00	SW ₄ SW ₅ SW ₄	42	52	55	Cloudy & windy morning, but mild, warm & bright from 11 till 2 pm, afterwards cloudy, more or less. Blowing & warm night.	51		
M. 8.	29.73 -64	SW ₅ SW ₆ SW ₇	48	53	56	Cloudy, warm, and galy, more wind & very boisterous after 11 & all P.M., but mild. Heavy gale from 5 pm, & very windy night.	51	Heavy gales.	
Tu. 9.	-57 -98	W ₆ W ₅ W ₄	48	49	51	Blowing with flying clouds, and sun. Less wind after 3, but a gale & rain at 6, afterwards more settled, and fine night.	44		.04
W. 10.	.99 30.00	SW ₃ SW ₅ WSW ₄	42	48	55½	Hazy & cloudy, with little sun, and blustering wind, but very mild: evening fine & mild, and wind abating.	50		
39.808			43.4	53.8	5	Mean Temp 48° 62.4.		Rain cal over 0.52	
972.5 — 11½° above Average!!									

February * 1869.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. at 8 pm	Notes.	Rain.
Th. 11.	30.09	WSW ₃ W ₂ W ₁	49 52 55		Mild, & cloudy, very fine, and pleasant for the season, and nearly calm after 4pm, cloudy & close evening. - 50	new moon 1.54 pm.
F. 12.	-07 29.50	SW ₁ SE ₂ E _{3.4} NE ₅	43 44 45		Heavy rain at 4 am, and continued more or less hard all day, again heavy at 3 pm, and a blowing evening, rain till 7, night finer, & wind less. - 38	break fall of Rain. snow at 7 pm.
S. 13.	30.22	SW ₂ W ₂ SW ₁	31 37 46		Fine and bright, with some light clouds, more hazy after 4 pm, and a cloudy evening, and night, wind more after 12 am. - 40	8 50
Su. 14.	-25 -40	SW ₅ WSW ₆ WSW ₄	37 45 51		Blowing with clouds & sun, very windy all day, but more sun after 2 pm. The evening, & night, mild and less wind. - 47	
M. 15.	-42 -39	SW ₂ SW ₃ SW ₃	45 47 51		Very mild, and rather cloudy morning, more cloudy & lowering after 1 pm, and continued very cloudy, evening and night. - 45	
Tu. 16.	-22 -09	SW ₂ S ₃ S _{2.4}	43 45 51		Cloudy till 10, but bright from 10 till after 12, afterwards some clouds, and sun at times: - Evening cloudy. - 46	
W. 17.	29.94	SSW ₃ SSW ₃ SW ₂	44 49 54		Clouds and sun, very mild, more cloudy after 1 pm, and lowering after 4, & trifling rain, during night. - 47	□ 4 III
Th. 18.	-80 -85	SW ₁ WSW ₃ SW ₁	43 44 50		Light rain early, and till after 10 am; then finer, & some sun, but wind increased again till 3: the evening calm, but rocky in West. - 38	23 lightning in NW 7 pm.
F. 19.	30.07	W ₁ W ₁ SW ₁	34 34 49		Clear, little frosty, continued very fine and bright, & much warmer. Very pleasant afternoon. Frosty evening and night. - 37	moon 1st. 2d 5. 6 pm.
54186 36.65 45.23 Mean Temp 45° 5. - Rain cald up 2.27						

819 = 8 1/2° above Average.

February * 1869.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. at 8 pm	Notes.	Rain
S. 20.	30.04	W ₀ SW ₁ S ₁	29 32 49		Very white frost early, very fine & bright day, and much warmer P.M. Pleasant afternoon, & serene evening. - 40	
Su. 21.	-10 -13	W ₀ NE ₂ NE ₂	32 37 46		Foggy frost early, clouds and sun, till 1 pm, afterwards more cloudy, & again colder. Overcast & misting evening. - 37	Rainy night.
M. 22.	-11 -10	NE ₃ NE ₃ NE ₂	33 35 37		Rain & snow most of the past night, and till 9 am, then finer but cloudy & cold: - Light fall of snow in the evening. - 33	* ♀ 4 73
Tu. 23.	-19 -38	N ₁ NW ₂ NW ₁	32 36 41		Cloudy more or less, but fine, and drying, the evening the same. Frosty night, and partly clear. - 37	* ♀ 2
W. 24.	-34 29.94	SW ₀ S ₂ S ₄	30 36 45		Foggy & little wet, and thick blue haze all day, finer & little sun. P.M. Mild and wet evening & stormy night. - 43	72 73
Th. 25.	30.10	W ₃ SW ₃ SW ₅	35 38 50		Rain at 5 am: afterwards fine and some sun at times, but the afternoon hazy, and windy evening & night, but warmer. - 50	70
F. 26.	30.05	W ₃ W ₄ W ₂	42 43 50		Bright with some clouds, and brisk wind, very drying air, evening chiefly clear and nearly calm till after 9. - 50	Full moon 0.5 pm. 8 9 8
S. 27.	-02 -17	W ₆ NW ₆ NW ₃	40 48 49		Blowing morning, and all day at times the same, with clouds and sun. Less wind in the evening. - 40	
Su. 28.	29.88	NW ₅ NW ₆ NW ₄	33 38 41		Very cold & squally, some hail & rain early, and driving squalls of heavy snow, pm. Night finer & less wind. - 33	Snow Storms 09 heavy in afternoon
54163 30.65 40.8 Mean Temp 39° 69. - Rain - 2.84						

7145 = Nearly 2 3/4 above Average.

Summary Notes on February 1869.

Barometer	Thermometer
Highest on 15 th 30.42	Highest on 6 th 57° 5'
Lowest on 1 st 29.13	Lowest on 20 th 29°
Range 1.29	Range 28° 5'
Mean of Month 30.02	Mean daily range 10° 42'
	Mean of month 44° 60'!
Gales on 5 days.	7½° above Average!
Winds most prevailing S.W. fine days 18, and the Depth of rain 2.84 Inches.	

This was a remarkably mild and stormy month, with considerable rain-fall; and vegetation went on vigorously as in previous month, so that Spring flowers, and tree-buds were in profusion, as if it had been mid-April! The temperature was unusually elevated till about the 19th, and even to the 27th not much less, but on the 28th some wintry storms, and sudden fall of thermometer. Catarrhs, Bronchitis, and acute Rheumatic affections prevailed much, and great mortality among very aged people, as well as among children.

March * 1869.

March	Baro- meter	Wind	Thermom. 8 am	Thermom. at 8 pm	Weather, &c.	Notes	Rain.
M. 1.	29.62	NW ⁴ NW ³ W ¹	32 40 45		Stormy clouds, hail & rain at times, in the forenoon, but the afternoon fine & chiefly bright. Evening heavy & wind gone. —	δ 8 9	.05
Tu. 2.	29.20	WSW ⁶ NW ⁵ NW ⁵	34 40 44		Strong gale & heavy hail & rain at 1½ am: blowing day, and storms of snow & rain at times: and much snow during night. —	much snow.	.15 .12
W. 3.	30.04	N ² NW ³ NW ¹	27½ 32 39½		Clear and frost in the morning, and a bright day, but cold air. Evening more serene, but frosty and sharp all the night. —	Δ 24 h Δ H 0	
Th. 4.	29.22	SW ¹ W ² NW ¹	22 29 44		Heavy frost, but after 8, heavy with clouds and sun & milder, till 2 pm, again gloomy & colder at 3, but continued fine. —		
F. 5.	29.87	SW ² W ⁶ NW ⁵	31½ 41 51½		Cloudy morning, mild and flying shower after 10, blowing hard all the afternoon, but bright and a blustering Evenng. —	moon- last 2h 5.43 am.	.03
S. 6.	30.19	N ³ N ³ NE ⁰	37 41 44		Cloudy with some light falls of rain and hail at times; fine and calm Evenng, with some clouds. — Frosty night. —		.04
Su. 7.	29.33	E ⁰ SE ² SE ¹	26 32 44		Clear & frost early, very fine and bright day, small clouds and a cold air. Frosty Evenng and night, but some clouds. —	□ 2 0 Δ 8 4	
M. 8.	29.82	SW ¹ SW ¹ SW ¹	26½ 34 41		Cloudy, little sleet. Yam, and a gentle fall of snow in the forenoon, afterwards a blue haze, and calm after 3 pm, at times, and cloudy evening. —		.05 .01
Tu. 9.	29.67	SW ¹ SW ¹ S ¹	33 36 46½		Very foggy till 10 am, afterwards clearer, rocky clouds, & sun. More clouded after 2 pm and distant showers. —		
W. 10.	29.58	Var. ⁰ E ² NE ¹	32 36 40½		Grey clouds & drier air: cloudy more or less, and cold wind. Evening also cloudy & very cold but chiefly fine. —	Δ 8 h	
598.22			301	440	Mean Temp 37° 05' } Rain cald over 0.45		
			741		About 5° below Average.		

March * 1869.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes	Rain 0.45
Th. 11	29.51	N ₂ NE ₂ NE ₂	32½ 36 43		Snow showers early AM, and a cold stormy sky all day, sun at times, and little falls of sleet. Evening nearly the same, more wind Sat 8 & some sleet. 38	.02
F. 12	68 78	NW ₂ NW ₃ NW ₁	32 37 44		Clouds and sun, with falls of Hail at times; and a cold breeze. Evening calm, and frosty and chiefly clear. 31	.02
S. 13	75 80	NE ₁ NE ₃ NE ₂	23 32 41½		Keen frost early, very cold and squally day, hail, snow, & sleet at times, with sun between storms. Much snow during the night. 32	.03 new moon 8.46 am. much snow.
Su. 14	82 90	NE ₂ NE ₃ NE ₁	26½ 34 37½		Keen frost early, & snow thick on the ground from last night. Day cloudy with sun, little sleet at times. Cloudy & finer night, less wind. 34	
M. 15	95 95	NE ₁ ENE ₁ N ₁	32 36 39		Cloudy, and cold, but less wind than of late. Evening and night also cloudy, but fine, and very little wind. 34	
Tu. 16	83 78	NW ₂ NW ₃ W ₁	32 36 42		Very cloudy morning, and more or less so all day, with a cold breeze. Very frosty evening, and a little light rain. Frosty night. 37	.01
W. 17	52 73	SE ₂ SE ₄ ESE ₁	27 39 45		Hazy & cloudy, sun at times, and wind breezy, but less wind in the evening. Calm and serene night, & wind veered about. 38	Δ ♀ H
Th. 18	97 92	W ₂ S ₂ SW ₁	35 40 47		Calm & gray sky, cloudy more or less, some sun in the afternoon, and blue haze prevailing. Fine evening and night. 42	
F. 19	95 42	SW ₁ SSE ₄ SE ₁	33 40 46		Cloudy in part, and became very cloudy & light rain at times, from 11 till 5. Finer. Evening, but a change to storm after 12 pm. 40	.14
S. 20	53 71	N ₅ N ₆ N ₃	33 35 40		Fair, with rain & snow at times, but chiefly rain only, very rough, cold, and unpleasant. Evening finer, and wind abating. More rain in night. 36	.51 Equinox.
59.512			306	425	Mean Temp 36° 55. Rain carried up 1.45	
			731		5½° below Average.	

March * 1869.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes	Rain 1.45
Su. 21	29.81 96	NNE ₃ NE ₄ NE ₂	35 41 42		Cloudy, & little rain at times; and the wind gusty, a dark cold & unpleasant day, finer evening, & less wind. Fine night. 40	.73 moon 1st Dr. 5.54 am.
M. 22	30.12 21	NE ₃ NE ₃ NE ₁	38 41 45½		Bright with clouds at times, cold breeze & little hail. Less wind in the evening, and chief by fine, and so all night. 38	
Tu. 23	31 37	NE ₁ NE ₂ NE ₂	34 38 43½		Cloudy more or less and cold breeze, but chiefly fine; more sun after 4 pm, and a frosty night. 34	
W. 24	28 79	NW ₁ NW ₁ NE ₂	31 38 46		Hazy and cloudy, with some sun, but some dark & stormy looking clouds. Light rain at times. 39	.02
Th. 25	77 75	NE ₂ NE ₂ NW ₁	36 42 46½		Hazy and cloudy more or less, gentle wind, and fine. Evening and night cloudy, and very little wind, sometimes calm. 41	
F. 26	05 29.81	NW ₁ W ₂ W ₂	37 42 49		Fog early, mild day, lightly cloudy, & some sun. Very fine till 6 pm, stormy night, & hail. 40	
S. 27	73 67	NW ₄ NW ₃ NE ₂	29 33 40		Hail and snow early, and a cold squally day, little snow at times, with sleet; and in the night, much heavy snow. 34	.05 Full moon 9.33 pm. snowy night.
Su. 28	58 85	E ₁ ESE ₃ E ₃	32 38 43½		Snow melting fast, bright, with rocky clouds, little hail at times. Very cold wind & more so in the evening, and all night NE. 36	.35 little blasts from NE.
M. 29	88 30.01	NE ₅ NE ₃ E ₁	35½ 40 41		Blowing & cold, all the morning, but less wind after 1 pm, and very gentle in the evening, and a fine cloudy night. 38	Δ ♀ H
Tu. 30	02 01	NE ₂ NE ₃ NE ₃	34 40 43½		Cloudy with cold wind, a little sun at times; and a cold, cloudy and blustering evening. Fine night. 38	
W. 31	29.93 98	NE ₂ NE ₂ N ₁	37 41 51½		Cloudy morning, very fine, and bright from 10 am, and much warmer, fine evening, and in part clear. 39	.04 ♀ H
66.009			3785	492	Mean Temp 39° 56 Total rain - 2.00	
			870.5		2½° below Average.	

Summary Notes on March 1869.

Barometer.	Thermometer.
Highest on the 6 th — 30.40	Highest on the 5 th 231° 34° 5
Lowest on the 2 nd — 29.20	Lowest on the 4 th — 22°
Range — 1.20	Range — 29.5
Mean of Month — 29.89	Mean daily range — 11.96
	Mean of Month — 37° 78
Gales on 4 days.	About 1/4 below Average.

Prevailing Wind NE. Fine days 17, Depth of Rain 2 Inches.

This was a cold gloomy and ungenial month, quite a contrast to the previous months, and vegetation suddenly stopped after having been so flourishing all the winter months. — A very trying seed-time, and much sickness in Town and country.

Diseases of the Respiratory Organs, and severe Rheumatic affections very much prevailing all the month; also Fevers of various types, and a considerable increase of Mortality in most parts of the Kingdom.

APRIL * 1869.

April.	Baro. inches	Wind.	Thermom. 9. Highest Lowest	Thermometer at 8 pm.	Weather, &c.	Notes.	Rain.
Th. 1.	29.98 30.02	NE ₁ NE ₂ NE ₁	36 42 48		Cloudy with sun, and a very cool breeze. Some dark clouds in the evening, and looking stormy.		
F. 2.	29.95 — 70	SE ₁ S ₂ SW ₃	27 43 51		Keen frost early, bright & warmer after 8, hazy after-noon & a cloudy and blowing night.		
S. 3.	— 58 — 55	W ₆ SW ₂ SW ₁ E ₀	35 45 50		Gale with rain & hail 3 am. fine & bright forenoon, but very hazy afternoon. Calm & thick evening, but fine.	moon last 2r. 8.48 pm. □ H ○	11
Sa. 4.	— 62 — 96	N ₂ N ₃ NW ₀	33 1/2 44 48		Cloudy with little sun at times, and a cold wind. Clear & calm evening, and frosty air. Fine night.		
M. 5.	30.12 — 22	SW ₁ WSW ₂ WSW ₂	3 1/2 49 55		Clouds & sun, much warmer than of late. Grey clouds in the evening. Mild & calm all night.		
Tu. 6.	— 20 — 09	SW ₂ SSW ₃ SW ₂	42 51 52		Cloudy & mild, but squally atmosphere, and gentle rain in the afternoon, and evening and night.	Δ δ ○ Δ η ○	12
W. 7.	— 03 — 04	SW ₂ SW ₂ SW ₂	46 55 62		Warm breeze, clouds and sun, little flying shower at 1 pm. Very warm afterwards. Some rain in the night.	Pleasant day.	03
Th. 8.	— 10 — 10	E ₁ SE ₁ E ₂	43 1/2 52 61 1/2		Foggy & close till 11, then bright at times, & very warm till after 6 pm. Colder evening, cloudy & thick.	very pleasant. wren peeping.	
F. 9.	— 24 — 25	NE ₂ NE ₂ E ₂	41 45 48		Cloudy & again colder, continued cloudy all day, more or less, but fine, and the evening & night also.		
S. 10.	— 17 — 22	SE ₀ SE ₁ SE ₁	42 53 66		Foggy morn'g, cleared off at 10, bright and hot afternoon & very little wind. Raining & night foggy.	□ ♀ H Lovely day.	
60014		37755415		Mean Temp. 45° 45. Rain cald over 0.26			

919 — Slightly under Average. —

APRIL * 1869.

Baro.	Wind	Thermom.	Thermom.	Weather, &c.	Notes.	Rain.
April.		9 am.	High.		at 8 pm.	
Su. 11.	30.26 -29 S 1. S 2. S 1.	41 62 72.2		Fog early, but bright from 9 am., and very hot summerlike day, a few light cirri clouds. Light haze in west at 6 set. Very fine & mild night.	59	very hot & bright.
Mo. 12.	-29 S 1. SW 2. -38 SW 0.	45 66 77		Very hot and bright all day and a gentle breeze at times. Evening sultry and calm, clear sunset, real summer weather.	63	new moon 1.47 am. great heat. $\Delta \delta h$
Tu. 13.	-40 W 1. SW 2. -34 SW 1.	45 62 73		Very bright and hot, gentle breezes; clear and red sunset: but clouds on the southern horizon.	60	$\Delta \phi h$ $\Delta \phi \delta$ very hot.
We. 14.	-21 SE 2. SE 2. -02 SE 1.	45 65 73.2		Very bright and very hot, with brisk and soft breeze. Thunder clouds in NW all the PM. Hazy evening & lightning.	60	very fine and hot. Thunder NW 1 pm.
Th. 15.	29.92 SW 2. SW 2. -77 SW 2.	54 60 63		Hazy, electric clouds, and little sun. Thick blue haze at 4 pm. Fine and clear evening and night.	54	Cuckoo heard all this week.
Fr. 16.	-51 SW 2. S 5. -32 S 2.	42 54 58		Cloudy, & lowering, some sun but rough winds, and little rain followed at times. Finer night, less wind.	49	$\square \phi \Pi$
Sa. 17.	-35 W 2. NW 2. -56 NW 2.	46 50 56		Gentle rain early a.m.; and little showers during the day. Evening finer, but cloudy & looking stormy.	47	$\delta \gamma \circ$
Su. 18.	-88 NW 3. N 3. 30.18 N 1.	43 50 53.5		Showers early A.M. Fine day cloudy with some sun, and cold wind. Clearer evening, and cold, but less wind.	42	$\Delta \phi h$
Mo. 19.	-22 W 2. SW 1. -17 SW 1.	33 48 57		Bright with cumuli clouds, & much warmer after 12. Evening hazy, and very thick all the night, but fine.	50	moon 1st 2r 3.6 pm. $\Delta \phi \delta$
Tu. 20.	-03 S 3. S 3. -00 S 3.	42 52 59		Hazy & cloudy, some sun, and very brisk wind. Evening rather clearer, flying clouds, and wind brisk as before.	52	
6.00 10		43.6 64.25		Mean Temp. 53° 92.) Rain evap. up 0.54.		
		1078.5		Nearly 8° above average.		

APRIL * 1869.

Baro. April.	Wind.	Thermom. 9 am.	Thermom. High.	Weather, &c.	Thermometer, at 8 pm.	Notes.	Rain.
W. 21.	30.04 SW ₂ W ₁ WSW ₁	43 57 62		Bright, with rocky electric clouds, warm and pleasant, afternoon, and evening. — Very serene night. —	55		0.54
Th. 22.	-22 SW ₁ S ₂ SE ₁	39 58 65		Great fog till after 7, then bright, with light clouds, and thin haze. Warm evening, and a light stratum of clouds. —	57	Cuckoo more tune-ful. —	
F. 23.	-21 W ₁ Var. o. Var. o.	42 60 65		Very close, all day, hazy & cloudy, with a little rain 2 pm, and afterwards increasing till after 8 pm. — Rainy night. —	54	♂ ♀ 4	35
S. 24.	-12 NE ₁ N ₁ NW ₀	47 51 60		Rain till 6 am, cleared up by 10 am, then bright, with some light clouds. Evening more clouded, but fine and warm. —	54	♂ ♀ 4	27
Sa. 25.	-29 W ₁ NW ₁ E ₁	47 59 64		Close & cloudy, with sun at times, pleasant and growing day: Clear moon-light evening, but great mist on the wales. —	50	very fine.	
M. 26.	-44 E ₁ E ₂ E ₂	38 56 63		Bright, all day, with a cool breeze, and a clear evening, but distant clouds in S & E. —	47	♂ ♀ ♀ Full moon 6.21 am.	
Tu. 27.	-33 E ₂ E ₃ E ₂	43 61 69		Bright, all day, hot sun, and brisk parching wind. Clear golden sunset. —	55	very fine. Red beam over sun near 8 pm	
W. 28.	-37 E ₁ E ₃ NE ₂	45 62 69		Very bright, all day, and hot sun, with brisk wind, and a clear evening. Fog after 12. —	50	Exceedingly fine.	
Th. 29.	-45 NE ₂ NE ₃ NE ₂	40 49 60		Cloudy till near 11, afterwards clearer, bright with a cool wind, and a bright evening. —	44		
F. 30.	-32 NE ₂ NE ₁ NE ₁	34 53 60		Clear & cold early, bright day & much warmer again: some clouds in the evening, and cloudy night. —	44		
60570		4185637		Mean Temp 52.77. Total rain. 1.16			
		1055.5		63.4° — above Average. —			

Summary Notes on April 1869.

Barometer.	Thermometer.
Highest on 29 th — 30.45	Highest on 12 th — 77° —
Lowest on 16 th — 29.32	Lowest on 2 nd — 27° —
Range — 1.13	Range — 50°
Mean of Month 30.09	Mean daily range 19.66
	Mean of months 50.8 —
Gale on one day only.	4° above Average, or rather more.

Winds much divided, but chiefly SW; S; E; & NE. —
 Fine days 23, and depth of rain 1.16 Inch.

This was a very fine and dry month with some very warm weather at times, producing a temperature considerably above the Average, and forcing on vegetation to an early state. The Cuckoo and Nightingale were heard by the 9th day, and all the vernal birds of passage a few days after were seen on the wing. The young corn and pulse plants grew on and looked well to the month's end, and the pastures trees and hedges became very verdant. Public health better than in the previous month, but cases of the same diseases still remained.

MAY * 1869.

May.	Baro. meter	Wind.	Thermom. 9 am	Thermom. at 8 pm.	Weather &c.	Notes.	Rain.
S. 1.	30.29	NE 1.	42	50	Cloudy till after 10 am, then bright with light clouds, and nearly calm. Evening chiefly clear, and cool dewy night.	* 3 H	
	23	E 1.		61			
Su. 2.	26	W 0.	35		Clear & heavy dew; bright and warm day, but some electric clouds — pm: and the evening quite cloudy. Fine night.		
	16	SE 2.	56	65			
M. 3.	23	SE 2.	43		Cloudy & hazy, little sun, and rather cool breezes. Rainy Evening from 7 pm, and hard nearly all night.	Moon last. Dr 1.40 pm	
	27.97	E 2.	53	59			50
Tu. 4.	23	NE 2.	42		Rain all the morning early, and at times till after 3 pm, then finer with some sun, but very cool air. Evening fine.	* H ☉	22
	30.11	E 1.	44	46			15
W. 5.	21	E 2.	32		Bright with light clouds, and some haze, and a drying breeze all day. — Fine evening and night, but cloudy.	* 4 H	
	29.91	ESE 3.	50	59			
Th. 6.	34	SE 1.	43		Cloudy, hazy & electric, with sun at times, little rain after 2 pm. Evening finer. Very fine and close night.	☐ 3 3	03
	31	SE 1.	55	62		added to NW. 6 pm.	
F. 7.	30	SW 2.	50		Close & cloudy morning, afterwards bright and warm, with rocky clouds, & thunder at a distance. Evening hazy, but fine.	Thunder NW at 12 noon.	
	43	SW 3.	61	67			
S. 8.	44	SE 1.	49		Heavy thunder storm — 8 AM. fine SE. and rain again from 10 to 11. then finer. and at times bright, but some clouds at eve. Lightning.	Thunder & rain, am.	35
	36	S 2.	60	62			16
		SW 1.					
Su. 9.	78	NW 2.	46		Cloudy more or less all day, no sun, & very little wind. — Evening bright from 6 till 7. but cloudy night, and rain at times.	3 9 0	
	86	N 0.	50	55			
		SE 1.					
M. 10.	65	SE 1.	49		Rainy morning till after 9, then fine, very warm, and chiefly bright, with rocky clouds. — Thunder in NW, 6 pm. Fine here.	Thunder in NW 6 pm.	40
	68	S 2.	57	67			
		SW 2.					
59.655		43.15603		Mean temp 51.72. — Rain cal. over 1.81			

1034.5 — Rather under Average.

MAY * 1869.

May.	Baro. meter	Wind.	Thermom. Lowest.	9 am	Highest.	Thermomete at 8 pm.	Weather, &c.	Rain, (notes)	181
Tu. 11.	29.80	NW ₂ NW ₁ W ₁	49	58	58		Cloudy more or less, and a blue haze at times: rather clearer after 4 pm. Very fine Evening and night. Nearly calm.	new moon 4.7 pm.	
W. 12.	-12 -22	NW ₁ NW ₁ E ₁	46	59	64		Bright with electric cumuli and a gentle cool air, with the hot sun. Clouds gliding ad verse to the lower current.	53	
Th. 13.	-33 -37	NE ₁ NE ₂ E ₁	36	59	6 1/2		Clear, heavy dew: fine and bright day with cumuli clouds and cool breeze. Very bright Evening, but a cool air.	49	very red & Splendid Aurora at night.
F. 14.	-33 -21	E ₃ E ₅ E ₄	40	54	5 1/2		Brisk wind, & sun, but hazy from South after 9 am, boisterous day, & a cold and cloudy Evenng. Fine night, and still breeze.	47	
S. 15.	-10 -05	E ₃ E ₃ E ₂	44	56	59		Clouds & sun, with brisk wind very fine but a cold and boisterous state of air. Cloudy night and less wind.	49	
Su. 16.	29.91 Whitsunday	E ₁ E ₂ E ₁	42	53	54		Cloudy more or less and little rain at 12. Fine afternoon, but cloudy. Gentle rain from 7 till 10 pm.	49	□ ♀ ♂
M. 17.	-80 -72	NW ₁ S ₂ SE ₂	47	55	60		Cloudy with little sun at intervals. Hazy Evenng, and threatening storm in P.M. Fine night.	56	♂ ♀ ♀
Tu. 18.	-73 -60	SW ₂ S ₃ SW ₁	46	61	61		Clouds & sun, squally showers at times, and with hail & thunder at 5 1/2 pm. Then bright, most of the Evenng. Cloudy night.	57	moon. Thunder 1st Dr. 27 7.30 pm. hail
W. 19.	-63 -56	S ₂ SW ₂ W ₂	48	55	57		Cloudy and very showery, with a little sun at times. Thunder, hail, & rain at 3 pm. And a heavy rain & hail at 6 1/2 pm.	48	□ ♂ ♂ Thunder 15 17
Th. 20.	-77 -80	W ₃ W ₂ W ₂	40	53	60		Rocky clouds & sun, some flying showers, but chiefly fair and bright: clear Oct.	48	03
598.92			438.592		Mean Temp. 51° 5. Rain cald up 2.58				
1030			2° below Average.						

MAY * 1869.

May.	Baro. meter	Wind.	Thermom. at 9 am.	Thermom. at 8 pm.	Weather, &c.	Notes.	Rain.
F. 21.	29.82 -90	NW ₁ N ₁ NE ₁	40 58 62		Bright till noon, with rocky cumuli; cloudy afternoon, and evening, and very cool air, but a fine night.	49	2.58
S. 22.	30.03 -15	N ₁ NW ₁ NW ₁	39 56 58		Cloudy, with sun, and the afternoon more cloudy, till after 4, then pleasant and rather clearer. Clearer night.	53	
Su. 23.	-18 -15	W ₁ W ₂ W ₀	47 56 64		Close morning, afterwards clouds and sun, electric and close evening, and quite calm.	57	
M. 24.	-10 -03	SE ₁ S ₁ SE ₂	48 60 65		Blue fog till 9, then clearer warm & sunny with electric clouds, and very bright from 3pm, and the evening nearly the same.	56	
Tu. 25.	-00 29.87	SE ₁ SE ₂ E ₂	49 57 66		Cloudy, close morning; bright after noon, light electric clouds, and a hazy evening, and cloudy all night, but fine.	57	Full moon 3.23 pm.
W. 26.	-73 -71	E ₃ E ₁ NW ₁	50 54 59		Cloudy, little rain from 10 to 11, then foggy till 3, afterwards bright with some low clouds. Fine evening & calm.	56	.07
Th. 27.	-82 -96	NW ₀ NE ₂ NE ₂	50 53 54		Cloudy & rather foggy morning; cloudy & lowering all day, light rain at times, and a cold breeze. Some rain during night.	49	.02
F. 28.	30.02 -12	NE ₃ NE ₄ NE ₃	45 45 47		Overcast and very rainy, with blustering wind, till after 4pm. Evening finer and clearer.	43	.42
S. 29.	-17 -23	NE ₃ NE ₂ NE ₁	42 46 50		Cloudy & blustering morning, less wind after 12, & a little sun, but much cloud. Clearer night, and calm, with much dew.	45	
Su. 30.	-24 -17	W ₁ W ₁ W ₀	35 55 63		Bright with clouds at times, & nearly calm: pleasant & much warmer. The evening calm, and rather hazy.	55	8 ♀ h
M. 31.	-14 -27	W ₂ N ₂ N ₁	46 51 58		Lowering morning, and showery from 7 till 9, then fine, with sun & clouds, but a very cool wind. Clear night, heavy dew.	47	.08
660.81		491.646		Mean Temp 51° 68. Rain Total 3.17			
		1137		2° below Average.			

Summary Notes on May 1869. -

Barometer		Thermometer.	
Highest on 13 th	30.37	Highest on 7 th & 10 th	67°
Lowest on 7 th	29.30	Lowest on 5 th AM	32½
Range	1.07	Range	34½
Mean of Month	29.94	Mean daily range	15°-48
		Mean of month	51°63.
No gales this month.		2° below Average.	

Winds most prevailing E; SE; NE; & SW. - Fine days 17; depth of rain 3.17 Inches.

This was a cool and showery month, yet with many changes, and vegetation kept on, although with slower process than in previous month. -

Public health suffered much, and the mortality was great among the aged, and the very young especially.

JUNE * 1869.

June	Bare meter	Wind.	Thermom ^d 9 am	Thermom ^d Highest	Weather, &c.	at 8 pm.	Notes.	Rain
Tu. 1.	30.37 -29	W ₁ . SW ₂ . SW ₁ .	36 57	65	Bright with cumuli clouds, and gentle wind, warm & pleasant. day, great change since morn ^g ; fine clear & set.	59		
W. 2.	-31 -24	W ₁ . WSW ₂ . SW ₂ . SW ₁ .	47 64	70	Bright with cumuli clouds, very fine, warm, and pleasant. more hazy after 5, very close even ^g , and night.	61	Moon last Dr 7.21 a.m.	
Th. 3.	-13 -12	SW ₂ . W ₁ . NW ₁ . W ₁ .	52 61	65	Hard rain at 3 am, and shower till after 7, chiefly fair all the mid-day. sun & cloud, with distant thunder. Fine Even ^g .	60		30
F. 4.	-02 -06	SW ₁ . SW ₂ . WSW ₁ .	49 55	63	Foggy and close morn ^g , the day cloudy with sun, but chiefly bright after 3, and all the evening. - Hazy night.	58	840	
S. 5.	-18 -23	SW ₂ . SW ₂ . SW ₁ .	49 63	72	Foggy and close morn ^g , bright and hot after 9, but thick, haze at times; even ^g bright and beautiful. - Fog in the night.	66	Hot, with blue haze at times.	
Sa. 6.	-35 -40	S ₁ . SSW ₁ . SE ₁ .	50 71	80	Fog early, bright after 7 am, and very hot: the afternoon oppressive so, and a splendid evening and night. Slight haze.	71	Sudden great heat.	
M. 7.	-35 -23	SE ₁ . S ₁ . SW ₁ . SW ₁ .	53 76	85	Bright, and excessively hot, gentle wind & few dappled clouds. Very electric knotty clouds in the evening; hazy night, and wind to W. - Sultry & thick	76	* ♀ ♂ Excessively hot.	
Tu. 8.	-23 -38	W ₂ . NW ₃ . N ₃ . 2-1.	56 68 71½		Cloudy morn ^g , brighter after 8 and continued very bright, but a cooler wind, and more so from 2 pm: - and the even ^g clear & colder.	55	Great change.	
483.89			392.5715		Mean Temp (60° 21.) Rain cal over 0.30			
			963.5		= 2¼° above Average.			

JUNE * 1869.

June.	Baro. met.	Wind.	Thermom. Lowest 9 am	Thermom. Highest	Weather, &c.	Thermometer at 8 pm.	Notes.	Rain. 0.30
W. 9.	30.32 -15	W ₁ . W ₂ . S E ₂ . N	42 65 71		Bright & very warm sun, with a cooling breeze. More hazy from 4 pm. & all the evening. Cloudy night. wind to N.	56		
Th. 10.	-22 -23	NW ₂ . N ₄ . N ₁ .	47 56 57		Cloudy with sun, but a very cool wind, and at times blustering. Evenly brighter and wind less: fine night.	49	new moon 3.52 am.	
F. 11.	-23 -20	NNW ₂ . NNW ₂ . NW ₀ .	42 54 60		Cloudy with some sun at times, but a cool breeze, more serene and bright from 5 pm, but a very cool evening, & night.	52		
S. 12.	-10 29.90	SW ₁ . S ₃ . S ₂ .	40 60 66		Bright with clouds, and a brisk wind, warm & pleasant. Hazy evening, but bright. Fine and warm night.	57		
Su. 13.	-72 -70	SSE ₂ . SW ₃ . SW ₂ . S ₁ .	48 67 69		Bright, warm & pleasant, with electric clouds, and blue haze, at times. Hazy evening, and some plane cirrostrati in West.	62	Δ 8 4	
M. 14.	-52 -74	Var. S E ₁ . W ₂ . NW ₃ .	54 57 60		Overcast & rain from 5 am, till 10 am, then finer a short time, but at 10 1/2 am, wind veered to NW, and rain again till 1 pm: then finer, and very bright from 3 to sun set. - Fine, during night.	54		62
Tu. 15.	-70 -79	S ₃ . SW ₃ . WSW ₃ . W ₆ . S.	42 53 62		Squally wind, showery & overcast till 11 am, then sun at times, with flying showers, hail, & distant thunder, and violent gusts of wind at intervals.	51	Thunder hail, &c.	22.
W. 16.	-89 30.37	NW ₆ . NW ₄ . NW ₁ .	43 50 54		Very windy, cold for the season, and rain at times, but after 1 pm, less wind, finer & little sun. Evening nearly calm, and in part clear.	50		17
479.78		358.499		Mean Temp 54° 11. Rain cal. up 1.31				
		857		Nearly 4° below Average.				

JUNE * 1869.

June.	Baro. met.	Wind.	Thermom. Lowest 9 am	Thermom. Highest	Weather, &c.	Thermometer at 8 pm.	Notes.	Rain. 1.31.
Th. 17.	30.37 -21	W ₁ . SW ₂ . SW ₂ . W ₁ .	41 57 58		Bright with mixed clouds, till 10 am, afterwards lowering, and rain at times. Evening cloudy, but finer, and the night fine, hazy and calm.	50	moon 1st. Dr 2.15 am. 6 ♀♀	12
F. 18.	-20 -10	W ₁ . W ₂ . WNW ₁ .	43 1/2 56 59		Clouds and sun, fine till after 1 pm, then heavy rain, till near 3, afterwards finer, and the evening at times bright.	53	□ 1/2 ♂ Distant Thunder.	12
S. 19.	-09 -07	NW ₁ . N ₁ . NE ₁ .	41 56 60		Clouds and sun, but much cloud and cool air. Brighter after 2 pm, some rocky clouds & still cool in the shade. - Evening bright and calm. Fine night.	53		
Su. 20.	-11 -73	N ₂ . NE ₂ . N ₂ . NW ₂ .	44 56 61 1/2		Cloudy more or less, and but little sun, with a cool breeze. The Evening also cloudy, but, a fine and closer night. - and nearly calm.	53		
M. 21.	-12 -15	NW ₁ . W ₀ . W ₀ . W ₀ .	47 54 55		Cloudy & rainy at times, from 8 1/2 am, till after 1 pm, then fine, but cloudy more or less. Evening clearer & a little sun.	52	* ♀ 4	20
Tu. 22.	-24 -30	NW ₂ . NW ₁ . NW ₀ .	49 55 60		Cloudy more or less, and very little sun, but fine and but little or no wind. - Calm evening, and very fine, but hazy and lightly cloudy.	56		
W. 23.	-31 -30	NW ₀ . W ₀ . NW ₀ .	50 56 63		Cloudy more or less, but calm, and some sun at 1 & 2 pm. The Evening very bright and pleasant from 6 pm.	58		
422.70		315.5463		Mean Temp 52° 28. Rain cal. over 2.05				
		732		Nearly 6° below Average.				

JUNE * 1869.

to June.	Barometer	Wind	Thermom ^t 9 am	Thermom ^t 8 pm	Weather, &c.	Rain
Th. 24.	30.25	W ₁ NW ₂ NW ₁	50 62 65		Fog & electric clouds all the morning, clearer after 11, clouds & sun, with more wind: warm and pleasant the rest of the day. Cloudy night.	Full moon. 1.39 a.m.
F. 25.	27	N ₁ NE ₂ NE ₂	52 60 70		Little rain 6 1/2 a.m.; cloudy till after 9, then bright, and hot, with a few light clouds, & a fresh breeze. Evening and sunset bright, and beautiful.	* ♂ H * ♀ ♂ ♂ ♀ H
S. 26.	25	NE ₂ NE ₂ E ₁	48 65 68		Bright morn ^g , & heavy dews. Very bright all day, but a fresh breeze kept down the heat. The evening bright, and a clear sunset.	
Su. 27.	34	E ₀ NE ₁ NE ₁	45 71 76		Very bright, after a cool dewy morn ^g , became very hot, and continued very bright, but some light clouds after 1 p.m. Even ^g cloudy from 7 p.m., but very fine.	
M. 28.	42	NE ₁ NE ₂ NE ₂	50 58 65		Bright at 6 to 7 a.m., then cloudy till after 10, & more wind: afterwards bright with some light clouds. The evening fine, but chiefly cloudy.	
Tu. 29.	36	N ₂ N ₂ N ₃	49 61 63		Clouds and sun, very fine, with brisk wind at times. Evening very cloudy, and cool breeze. Night cloudy & closer, but very fine, & less wind after 9.	
W. 30.	36	NE ₁ NE ₂ NE ₁	50 57 61		Cloudy more or less, a little sun about 2 p.m., and at times in the evening. Cloudy night, very little wind, and fine.	
42434			344468		Mean Temp 58° —) Total Rain 2.08	
			812		rather below Average.	

Summary Notes on June 1869.

Barometer.
Highest on the 28th — 30.42.
Lowest on the 14th — 29.52
Range — 0.90
Mean of month — 30.18.

Gales on 2 Days. —

Thermometer.
Highest on the 7th — 85°
Lowest on 1st a.m. — 36°
Range — 49°
Mean daily range — 18° 18'
Mean of month — 56° 10'.

2° below Average, and the lowest in June for 39 years past!

Prevailing winds SW, NW, & NE, — and W to N. —
Fine days 23, and rain-fall 2.08 Inches. —

This month was remarkable for its coolness and cloudiness almost throughout, and the middle of the month was almost like winter in being rough and rainy. On the 5th 6th 7th 8th 9th and 27th it was hot summer weather, the remainder unusually cold for the season, yet mostly fine after the 21st when much hay was well made, and the yield abundant. Public health was on a medium, but the early fruits were late in maturing. Wheat crops looked well, and some barley; grass in abundance, and the hay a heavy yield in the meadows, and much was well secured at the month's end.

JULY * 1869.

July.	Baro. meters	Wind.	Thermom. at 9 am	Thermom. at 8 pm	Weather, &c.	Notes	Rain
Th. 1.	30.32	NE ₁ NE ₂ NE ₂	52 56 64		Cloudy, more or less till noon, but brighter afternoon, less clouds, sunny and pleasant. but a cool breeze. - Evening very cool and cloudy. -		
F. 2.	30	NE ₂ NE ₂ NE ₁	51 56 60		Cloudy morn'g, slight rain at 8 am, continued chiefly clouded over, and very little sun, but fine. The evening the same, and night fine. -	moon last or 0.46 am.	
S. 3.	32	NE ₁ ENE ₁ E ₁	50 56 64		Cloudy more or less till about noon, afterwards bright, with light clouds. Even'g very clear till after 7, cloudy & foggy night. -		
Su. 4.	28	SE ₁ SE ₂ SE ₁	49 66 73		Fog till after 6 am, then bright and hot, with a pleasant breeze. Continued quite clear, and the evening the same. Fine and great dew all night. -	very fine and hot.	
M. 5.	32	SE ₁ S ₂ S ₁	48 71 80		Bright, with light cirri & haze, hot & close, after 2 pm. sharp thunder at a distance. SW. NW. & SE. little shower here. - Sultry evening & night; sun set red in haze. -	sultry heat, and much thunder pm	03
Tu. 6.	31	SW ₂ WSW ₃ WSW ₂ SW ₁	60 66 73		Cloudy & sultry morn'g, bright and hot afternoon, with lighter clouds. Close evening grey haze, and thin clouds. Fine and warm night. -	* 40	
W. 7.	25	SW ₁ SW ₂ SW ₂	57 68 71		Bright, with blue haze, and grey clouds, and hot sultry air. but thicker haze P.M. Fine and pleasant. Evening, lighter clouds, and warm breeze. -		
42308		3674855		Mean Temp. 60°.89. - Rain con. up. 0.03			
		852.5		= 2° below Average.			

JULY * 1869.

July.	Baro. meters	Wind.	Thermom. at 9 am	Thermom. at 8 pm	Weather, &c.	Notes	Rain
Th. 8.	30.21	S ₂ SSW ₂ SW ₂ SW ₁	60 69 78		Very sultry and cloudy morn'g, but after 9, bright & very hot, with lighter clouds, and very sultry air. - Evening the same, the sun red in haze. -		Distant Lightning 11 pm SW.
F. 9.	28	W ₂ W ₃ W ₀	56 68 74		Bright and hot, light clouds, and fresh breeze, - abating all the evening to a calm; and sun very red in haze. -		no moon 1.38 pm. 6 H ^o
S. 10.	48	W ₁ W ₁ W ₀	49 70 77		Bright and very hot, gentle air, and a few light clouds; and the evening bright, calm, & beautiful, & a serene night. -		Exceeding fine and hot.
Su. 11.	54	SE ₁ SE ₂ ESE ₁	53 72 77		Bright and very hot, no clouds, but after 11 am, a brisk air. The evening also very bright, and cooler than previous. -		very fine summer weather.
M. 12.	30	SE ₁ SE ₂ S ₁	49 76 85		Clear & heavy dews early a.m. very bright, and extremely hot all day. Hazy & electric after 7 and a close and sultry night, but fine. Thunder very distant. -		very fine and the heat great.
Tu. 13.	30	W ₂ NW ₂ NW ₁	56 58 68		Gentle rain & distant thunder from 6 till 8 am. then fine but cloudy till 12, afternoon bright warm, and pleasant. Evening also very fine & serene. -		77
W. 14.	39	W ₂ W _{1.2} W ₁	49 68 75		Bright and warm morn'g, and a very hot sunny day, light clouds, & fresh breeze. - Very sultry evening, with electric clouds. -		70
42492		3725535		Mean Temp. 64°.82. Rain carried over. 20			
		907.5		= 1.2 above Average.			

JULY * 1869.

July.	Baro- meter	Wind.	Thermom. 9 am	Thermom. at 8 pm	notes.	Rain
Th. 15.	30.37	W. 1. W. 1. W. 1.	60 66 75		Sultry & cloudy morning, but a bright afternoon, and very hot. The evening sultry, and some clouds & blue haze: very sultry and fine night. —	0.20
F. 16.	-32	W. 1. Var. 1. SE 2. SE 1.	60 77 84½		Bright and excessively hot, but from 2 pm, more wind, and some light clouds. — Evening sultry, dark clouds, and some distant thunder. Gentle rain 11 pm.	0.07
S. 17.	-28	E 1. SE 1. SE 2. SE 1.	62 70 78½		Very sultry and cloudy till near 11 am, afterwards very bright, and very hot. The evening also clear, and beautiful. — Some fog after midnight. —	
Su. 18.	-23	SE 1. SE 2. SE 1.	56 72 81		Fog early, clearer after 8; very hot & bright from 9 am; Thunder NW after 3. Fresh storm in North till 5. Sultry, electric evenings, but fine. —	
M. 19.	-15	W. 2. N. 3. N. 2.	61 63 64		Blue haze & sultry morning, much cooler after 8 am, cloudy, and breeze from North. Continued very cloudy all day, and the evening the same. —	
Tu. 20.	-28	NE 0. E 0. SE 1.	55 60 67		Cloudy and calm, clearer after 1 pm, warm, pleasant, and sun at times. Delightful afternoon and evening. — Night clear & heavy dews. —	
W. 21.	-23	SE 1. SE 1. SE 1.	42 67 77		Clear, cool & heavy dews early. bright and very hot day from 8 am; and the evening also very brilliant, and serene. — Fog came on during night. —	
423.69			39.6527	Mean Temp 65.92. Rain cald up 0.27		
			923	Nearly 2½° above Average.		

JULY * 1869.

July.	Baro- meter	Wind.	Thermom. 9 am	Thermom. at 8 pm	notes.	Rain
Th. 22.	30.14	SE 1. SE 2. SE 1.	52 75 84		Fog till 7, then bright and extremely hot, a fresh breeze but no cloud till 6 pm, evening sultry & dappled lines in W. 2. Parhelion highly coloured at 7 pm.	0.27
F. 23.	-19	W. 1. W. 0. SW 1.	62 74 77		Sultry & electric morning, became bright after 11, and very hot, but hazy & close afternoon. with distant Thunder. Night clearer & very fine, but some haze.	
S. 24.	-17	SW 0. SW 0. S 0.	53 67 77		Heavy and electric, sultry morning. Very hot & close day, mixed clouds and sun at times; splendid evening, and crimson O set. Fog came on during night.	
Su. 25.	-05	S 1. S 2. SSE ½.	53 74 76		Fog early & blue haze lingered till 8, then bright, and extremely hot. till near 11, afterwards electric & hazy, sultry but very pleasant. and a fine evening & night. —	
M. 26.	-01	SW ½. S 2. S 2.	53½ 71 78		Bright with light haze, calm & lovely morning; more wind after 12 very hot & bright afternoon. Electric clouds in the evening. Close & cloudy night, but fine. —	
Tu. 27.	-95	SW 2. W 2.3. W 2. W 0.	60 69 74		Bright with light haze and very hot, slight showers distant after 1 pm; but fine here, and calm & pleasant. Even, with a grey haze. Clearer night. —	
W. 28.	-12	SE 1. SW 1. Var. 1.	47½ 66 67		Bright, but hazy morning till after 9, then cloudy, and again at times till 3 pm; afterwards fine, with many mixed kinds of cloud. —	28
421.19			38.1533	Mean Temp 65.28. Rain cald over .55		
			914	2 degrees above Average. —		

JULY * 1869.

July.	Baro. inches	Wind.	Thermom. lowest	Thermom. 9 am	Thermom. highest	Weather, &c.	Thermometer at 8 pm.	notes.	Rain. 0.55
Th. 29.	30.10	NW 1. W 1. SW 1. & 2.	54	68	75	Fog early, but bright from 7 am, and very hot; blue haze, & dappled sky after 2 pm; very hazy & close. Evening, and the night the same.	67	* 30 Distant Thunder during night.	
F. 30.	-12	SSW 2. SW 3. SW 2. & 1.	60	66	73	Cloudy, and a sultry breeze, and lowering with light flying showers at 9 & 10 am. Hot afternoon & mostly bright. Evening cloudy and sultry, night also.	70		.03
S. 31.	-20	SW 1. SW 2. SW 1.	64	70	77	Very sultry all night past, and cloudy morning, very hot day, gray clouds and sun. Evening cloudy, little rain 9 & 10 pm.	70	moon last 20, 5.6 pm.	.04
180.87			178	225		Mean Temp 3 days 67°.16.		Total Rain	0.62

Barometer.

Highest on the 11th — 30.54

Lowest on the 26th — 29.94

Range — 0.60

Mean of Month 30.22

No gales this month.

Thermometer.

Highest on 12th — 85°

Lowest on 21st am — 42°

Range — 43°

Mean daily range 19.7

Mean of month 64°.51

About 1 degree above Average.

Prevailing winds S.E.; W. and S.W.

Fine days 27. Depth of Rain 0.62 only. —

Summary Notes on July 1869.

This was a very dry and hot month, and beyond most years, but not with that excess which marked it in previous year, as regards its heat. Still it was a very dry and hot time, and as beautiful a July as ever known. The drought set in with the solstice June 22nd and continued all this month, with only a few transient Thunder-storms, and those very local and limited. They occurred in different districts on the 5th, 8th, 13th, 18th and 26th. Only on the 5th and 18th were any near us, and even these were very partial.

The corn fields put on their ripe tints by the 31st and were nearly ready for Harvest work. Hay was very abundant, and well secured in the beginning of the month where it had not been got up in June. Public Health in general good; very few cases of death or sickness, but a few towns and villages had Small Pox from distant contagion, and Diarrhoea as Epidemic: — yet but few fatal cases of either.

August * 1869.

Aug ^r	Baro	Wind.	Thermom ^r at 8 pm.	Thermom ^r at 8 pm.	Weather, &c.	Rain.
Su. 1.	30.02	W ₁ WSW ₂ SW ₁	57 62 72		cloudy & close morn'g till after 9, very fine and hot day with clouds & sun. Hazy and electric Ev'ng, but a fine and pleasant night.	Thunder south 6 pm.
M. 2.	-88 -96	WSW ₂ WSW ₄ W ₁ & 0.	52 64 70		clouds and sun, with a very brisk wind, but warm, and pleasant. Little flying rain 5 pm. Fine Ev'ng, and night, grey sky and cooler.	02
Tu. 3.	30.08 29.93	W ₁ SW ₂ S ₄ SW ₃	47 63 64		Clouds and sun, followed by light rain in the afternoon, & wind gusty. Harder rain in the Ev'ng till nearly 7, then a fine & sultry night.	Refusing rain. 28
W. 4.	30.04 -09	SW ₂ WSW ₁ SW ₂	58 67 74		Bright and hot, with rocky cumuli clouds, more hazy, and dark clouds all the evening, & very sultry. Very heavy rain 8 till 10. Thunder & lightning.	Loudly Day. Heavy rain thunder & lightning Ev'ng. 1.20
Th. 5.	-17 -33	NW ₁ NW ₁ E ₂ SE ₁	57 64 70		Blue fog till after 8, then electric clouds and sun, very fine & warm till 7 pm, then cloudy and some rain for a few minutes. Fine night, dist. lightning	* 8 h dist. lightning 9 pm. 01
F. 6.	-40 -46	E ₁ E ₁₋₂ E ₁	53 59 65		Cloudy with distant showers, a little rain here at noon, fine afternoon, sun at times. Evening clear and cool. Fine night, & in part clear.	02
S. 7.	-40 -22	SW ₁ SW ₂ SW ₂	45 60 68		Cloudy till 9, then bright, and warm, with some lighter clouds. Evening hazy & cloudy. Night close, and lowering for rain and which set in at 12 pm.	new moon 10.8 pm. Δ 8 h 63
421.91		369.483		Mean Temp 60° 85.) Rain cal. up 1.53		
		852		1° 15 below Average.		

August * 1869.

Aug ^r	Baro	Wind.	Thermom ^r at 8 pm.	Thermom ^r at 8 pm.	Weather, &c.	Rain.
Su. 8.	30.02 29.95	SW ₃ SW ₂ SW ₁	53 59 64		cloudy & rainy early AM, and till 11 am, continued cloudy & at times misting till after 3, but afterwards fine, and some sun. Close night.	□ 8 h * 8 h 45
M. 9.	-76 -67	SW ₂ W ₄ W ₂	57 64 71		Cloudy, little rain early, warm day, squally wind, rocky clouds, and sun. Short but heavy shower 3 pm, and some in the evening.	12 05 02
Tu. 10.	-80 -80	W ₃ W ₅ WNW ₃	48 57 65		Clear, and windy morn'g, and blustering afterwards, flying clouds and sun, with some distant showers, and a stormy looking evening.	* 4 h 54
W. 11.	-90 30.03	WNW ₃ NW ₄ NW ₂ & 1.	47 59 62		Clouds & sun, with a cool and blustering wind, and little flying showers, more at a distance. Ev'ng clearer, and but little wind.	02 53
Th. 12.	-75 -73	W ₁ W ₂ W ₁	45 59 68		Clear, cool and dewy morning very fine and pleasant day clouds and sun; and evening chiefly bright, but hazy and dappled.	□ 40 □ 84 60
F. 13.	29.99 -97	SW ₁ SW ₂ W ₂ W ₁	49 60 65		Cloudy, close & rainy from 6 till 10 am, and heavy rain from west at 2 1/2 pm, afterwards finer with sun at times, but the Ev'ng hazy, and night also.	20 22 58
S. 14.	30.11 -30	WNW ₂ WNW ₂ NW ₂	50 63 63		Cloudy with little sun, some rain after 11 am; and after noon showery. Evening finer, and some sun. Clear & dewy night.	moon 1st Dr 0.41 pm. 08 56
419.58		350.4585		Mean Temp 57° 75.) Rain cal. over 2.69		
		8085		44° below Average.		

August * 1869.

Aug th	Baro. meters	Wind.	Thermom. 9 ^{am} Highest	Thermometer at 8 pm.	Notes.	Rain 2.69
Su 15.	30.39 -42	NW ₁ NE ₂ SE ₂	47 63 68		Bright with some clouds, but after 9 am, clearer, bright warm & pleasant, with knotty electric clouds. - Close and warm night. 61	
M. 16.	-43 -43	W ₀ NW ₂ NE ₀	54 64 68		Sultry morn'g, electric clouds & sun, fine & warm till 2 pm, then cloudy & some rain after 3 for a short time. - Fine and close Even'g. - 62	03
Tu. 17.	-43 -47	NE ₁ NE ₂ N ₁	51 62 64		Bright morn'g, but many clouds from 9 am, and a cool breeze. The Evening clearer, but very cool, - and red clouds. - 57	
W. 18.	-50 -44	NW ₀ NW ₂ NE ₁	48 62 65		Foggy clouds and sun, calm & pleasant morn'g. fine day, sun & clouds, with light breezes. - Cloudy evening, wind changed. - 58	
Th. 19.	-44 -43	NW ₀ NW ₁ NW ₁	49 57 61		Cloudy more or less all day, very little sun, and a cool air. Evening also cloudy, and cool, but a very fine night. - 56	
F. 20.	-46 -44	W ₀ NE ₁ Var. SE ₁	52 60 68		Cloudy till near 10, then at times sun, with cumuli clouds, much brighter after 2 pm, and hot sun. - Evening very bright & serene. 59	03 H Lovely afternoon.
S. 21.	-41 -39	SE ₂ E ₀ NE ₁ & 0.	44 62 72		Great fog till 7 am, then bright, and hot with a few small clouds. - Sun set red in haze, calm & warm even'g. - 64	
42608		345 4665		Mean Temp 57.96. - Rain cald up 2.72		
		811.5		4.8. below Average.		

August * 1869.

Aug th	Baro. meters	Wind.	Thermom. 9 ^{am} Highest	Thermometer at 8 pm.	Notes.	Rain. 2.72
Su. 22.	30.40 -44	NW ₁ NE ₁ NE ₁	50 64 72		Fog early and till near 9 am then bright, and hot, with a few light clouds, but cooler breezes after 1 pm. - Close and cloudy night. - 64	Full moon 4.24 am. Harvest moon.
M. 23.	-42 -33	SW ₁ SW ₂ SW ₂ & 1.	56 64 72		Cloudy till after 10, then a bright, and warm day, with a fresh breeze. Sultry Even'g dappled & a blue haze. - Fine night, & clearer. - 67	03 H
Tu. 24.	-32 -32	W ₁ W ₂ W ₀	54 68 79		Bright and very hot, no cloud, and but gentle wind. Even- ing very sultry, and hazy. Fog in the night. - 71	very hot & splendid harvest weather.
W. 25.	-37 -39	W ₀ Var. SE ₁ & 0.	54 72 82		Fog early, very bright after 7 am, so continued, and ex- tremely hot. Even'g also the same. Lovely night, calm & clear. - 72	clear, calm, & extremely hot. -
Th. 26.	-41 -44	SE ₂ SE ₂ SE ₁ & 0.	58 75 84		Very bright, and extremely hot, no clouds, & very little wind, but mostly calm. - Very clear, calm & hot Even'g, & golden sunset. - 75	Oppressive heat.
F. 27.	-46 -47	SE ₁ SE ₁ E ₂ E ₁	57 77 82		Fog early, but bright after 5, and extremely hot, but a little more wind in the PM. Very bright Even'g, and most of the night. - 70	very hot and clear
S. 28.	-37 -22	SE ₂ SE ₁ S ₁ SE ₀	58 76 85		Fog early, bright after 6, all day, excessively hot, no cloud, & nearly calm, and a splendid & brilliant Even'g. but some fog in the night. 72	* & H.
42536		387 5575		Mean Temp 67.32. - Rain E. over 2.72		
		942.5		5.4. above Average. -		

August * 1869.

Aug	Barometer	Wind	Thermometer		Weather, &c.	Thermometer at 8 pm.	Rain
			9 am	5 pm			
Su. 29	30.11	NW ² NE ³ NE ⁵ 3.2.	53 61 62		Bright at 5, but fog returned at 6 am; cloudy & great change, very cloudy day, & wind at times boisterous, abating in the evening fine night, and cloudy. —	56	2.72
Mo. 30	33	NE ¹ NE ² NE ¹ -41	50 57 64		Cloudy morning, but after 10, some sun, chiefly bright, flying clouds, and fresh breeze. Very fine evening and night, chiefly clear, and less wind. Dewy night.	54	
Tu. 31	47	NE ¹ NE ² NE ¹ -47	43 60 66		Dewy morning, bright and warmer afterwards; very fine & a gentle wind. Evening clear, and very cool. Very fine night.	54	
18201			146	192	Mean 3 days 56.33.	Total Rain	2.72.

Barometer.
Highest on 18th — 30.50
Lowest on 9th — 29.67.
Range — 0.83
Mean of Month 30.24.
No fogs all the month.

Thermometer.
Highest on the 28th — 85°
Lowest on 31st am — 43°
Range — 42°
Mean daily range — 18.08
Mean of Month — 60.52.
1½° below Average. —

Prevailing winds NE and SW, but much divided.
Fine days 21; and Rain-fall 2.72 inches.

Summary Notes on August 1869.

This was on the whole a good summer month, for from the 3rd to the 14th we had refreshing rains, as a very great relief after previous drought, and then from the 15th to the end, a return of very dry weather, to the furtherance of all the harvest work, whereby the harvest was very nearly completed at the end of the month, and many farmers had fully finished. The wheat crop was quite an average yield, and the quality fair. The barley also about the same. Beans and Peas were a shorter crop. The root crops not so much kept back in growth, as in previous year, but altogether thrifty. — Pears abundant, Apples but few. Potatoes a fair yield, and sound at present. The public health in general good for this period of the year, but some cases of Sunstroke occurred in the very hot week, ending on the 28th.

September 1869.

Sept.	Baro. meter	Wind.	Thermom. Fahrenheit 9 at 9 am	Thermom. Fahrenheit at 8 pm	Weather, &c.	Notes.	Rain.
W. 1.	30.49	NW ₁ N ₃ N ₁	43 56 63		Cloudy with sun at times, and a cool breeze. The evening also very fine, less wind, and in part clear, but the night more clouded.	54	
Th. 2.	48 40	NW ₂ NW ₂ NW ₁	51 56 60		Cloudy more or less, very little sun, and for a short time only about noon. Very cloudy afternoon, & wind cool. Fine evening and night.	55	* ♀ h
F. 3.	36 29	SE ₀ SE ₁ SE ₂	52 59 63		Calm & cloudy morn'g, clearer after 9, but many clouds, and yet pleasant and very fine. Even'g clearer & more breeze.	57	□ h ⊙
S. 4.	16 04	SE ₂ SE ₂ SE ₃ SE ₁	52 66 71		Bright and hot, with a brisk breeze, but no cloud. Even'g in part close, and cloudy, and very close night.	63	
Su. 5.	01 29.91	SE ₁ SSE ₂ SE ₃	56 68 76		Sultry morn'g, clearer after 9. Bright & very hot, with electric clouds. Thunder in A. at 4, heavy rain, lightning and thunder 6.3 pm. Cloudy night, but fine and sultry.	65	very hot. Thunder storm at 6.3 pm.
M. 6.	86 81	SE ₃ SSE ₂ SW ₃ W ₁	58 64 67		Very warm, & rather lowering morn'g, some light rain at times, & sun between. Heavy shower at noon, distant thunder, and very heavy storm after 3 pm, sharp lightning & thunder. Night finer.	60	new moon. 6.7 am. Thunder storms.
Th. 7.	90 30.02	SW ₁ WSW ₂ SW ₁ S ₀	56 65 70		Rain at 2 & 3 am, lowering till near 10, then bright and hot, beautiful afternoon, and Even'g. very sultry night.	65	
422.24			368470	Mean Temp 59° 85. -		Rain 2. up 1.57	
			838	Nearly 2° above Average.			

September 1869.

Sept.	Baro. meter	Wind.	Thermom. 9 High am	Thermometer at 8 pm.	Weather, &c.	notes.	Rain. 1.57
W. 8.	30.03 29.95	S ₂ . S ₃ . S ₁ .	61 67 72		Very sultry morn'g, with sun and clouds. Fine day, and hot, with many clouds, and very sultry evening, and night, but clearer. -	* 4 H	
Th. 9.	-93 -97	SW ₁ . SSW ₂ . SSW ₂ . S ₁ .	59 70 73		Hot and close morn'g, clouds & sun; very fine & hot day, flying clouds, and bright intervals. Evening in part clear, and very pleasant. Distant light.		
F. 10.	-70 -52	S E ₂ . ESE ₂ . S ₄ . SW ₆ .	61½ 64 67½		Much lightning & thunder from 1 to 3 a.m.; and heavy thunder storm at 8, and another at noon: afterwards fine with sun at times and heavy gusts of wind till 9 p.m.	□ ♀ H Heavy storm and thunder	52 22
S. 11.	-65 -55	SW ₂ . SW ₂ . S ₄ .	51 62 67		Bright with flying clouds, fine and pleasant till 4 p.m., a shower then passing west, windy evening and night, rain after 11 p.m. -	* ♀ H	
Sa. 12.	-70 -68	NE ₁ . NW ₄ . W ₇ . W ₄ .	55 58 59		Rain all the morn'g till near 8, and again very heavy from 9 till 11; heavy gales all P.M. Bright evening, from 5 p.m., and less wind. - Fine night. -	moon 1st Qr 9.23 p.m. Great rain and gale.	97
M. 13.	-43 -61	S E ₃ . SW ₅ . W ₇ . W ₃ .	51 59 60		Showerly early a.m., fine after 8 bright & windy till near 11. Heavy gale - showers, hail, and thunder in the afternoon. Fine evening, and night, gale ceased.	Δ 4 ○ gales & thunder.	13 14
Tu. 14.	-95 -91	SW ₂ . SW ₂ . SW ₃ . 4.	50 55 66		Cloudy, and light rain from 9 a.m. till noon, finer P.M., and some sun, sultry, & low clouds at times. Very close & warm night, but windy. -	* H ○	70
41588		38854645		Mean Temp 60.92. - Rain cal. over. 3.65			
		853		= Nearly 3° above Average.			

September 1869.

Sept.	Baro. meters	Wind.	Thermom. 9 Highest am	Thermom. at 8 pm	Weather, &c.	Notes	Rain 3.65
W. 15.	29.71	W ₃ W ₃ SW ₄ SW ₅	60 62 65		Showers early, but bright after 8 am, with brisk wind, and flying clouds, till 2 1/2 pm. Then stormy showers in gusts. Fine & clearer evening.	60	.12 .06
Th. 16.	29.56	W ₅ W ₅₋₆ W ₄₋₃ SW ₁	53 59 65		Fusty wind, flying clouds and sun: less wind & more sun after 1 pm. Fine evening and night, and very little wind.	59	
F. 17.	29.5	SW ₁ S ₂ SW ₂ 3.	54 58 66		Light rain after 6 am, & till 8 am then cloudy & little sun, close evening, and sultry night much cloud, and winds brisk. Fine night.	62	.07
S. 18.	29.74	SSW ₃ SW ₃ 4. SW ₃	59 63 70		Sultry and cloudy morning, but clearer after 10, hot sun, and flying clouds, with a sultry wind. Shower at 4 1/2 pm, and very heavy rain from 9 1/2 till 11 pm.	62	.70
Su. 19.	29.45	SW ₆ SW ₃ WSW ₄ WSW ₄	54 57 61 1/2		Stormy showers & gale early fine after 8, flying clouds, and sun, with brisk wind. Evening clear and wind gusty, but a fine night.	52	.05 .05
M. 20.	29.63	SW ₂ W ₂ W ₁	49 1/2 56 59		Clouds and sun, with less wind, but a cool air, and the evening chiefly clear, and nearly calm. Very fine night.	50	Full moon 8.41 pm
Th. 21.	29.80	SW ₁ W ₃ W ₂	43 55 61		Clear dewy morning, continued bright with flying clouds, and cool breeze. Night and serene moonlight evening and night.	52	
415.87		3723.4575		Mean Temp 59° 28. - Rain cald up 4.70			
		830		1 1/4° above Average.			

September 1869.

Sept.	Baro. meters	Wind.	Thermom. 9 Highest am	Thermom. at 8 pm	Weather &c.	Notes	Rain 4.70
W. 22.	30.17	SW ₁ W ₂ WSW ₁ 3.	48 58 62		Bright with light clouds, and little grey haze, very fine, & pleasant day. Cloudy evening & mild, with soft breeze.	57	very close evening.
Th. 23.	29.25	SW ₄ SW ₃ SW ₃	53 60 65		Bright with light curled clouds, and a warm breeze till noon, afterwards cloudy, very sultry evening and night, with dark knotty clouds.	61	sultry.
F. 24.	29.24	SW ₂ SW ₂ WSW ₁	60 66 68		Frey clouds, & sun, close and sultry day, but chiefly bright after 4 pm, and a lovely evening, and very warm. The night clear and yet mild.	63	very close & sultry.
S. 25.	29.73	SW ₂ SW ₃ SW ₃	57 64 73		Bright and hot, with a brisk wind at times; lovely day, and very parching. Fine evening, and night, with a breeze.	63	A hot summer's day.
Su. 26.	29.96	SW ₃ WSW ₅ WSW ₁ SW ₁	53 60 65		Bright with rough wind, and some flying clouds: but very pleasant after 3 pm, wind abated fast. Serene evening, and very fine clear night.	55	
M. 27.	29.14	SW ₁ SW ₂ SW ₁	47 58 63		Bright with light clouds, and fresh breeze, more clouds, & hazy after 1 pm: and clouded over from 4 pm. Little rain, and close and foggy night.	57	.01
Tu. 28.	29.01	SW ₁ SSW ₂ SSW ₂ S ₁	49 58 64		Fog till 7 am, then bright, with small electric clouds, and a warm breeze. Pleasant day, and a very close evening, and night.	57	moon, last 2 nd 9.10 pm.
421.66		367.460		Mean Temp 59° 07. - Rain cald over 4.71			
		827		1° 07 - above Average.			

September 1869.

Sept.	Baro meter	Wind.	Thermom. Lowest	9 am	Highest	Thermometer 8 pm.	Notes.	Rain
W. 29.	29.80	SE 1.	53				Very electric, and dappled sky, with bright sun, and hot breeze. splendid day, & like summer. Stormy night, much lightning in West, and very sultry.	4.71
		SE 2.		63				
	-77	SE 2.			72			
		SE 1.						
Th. 30.	-80	SE 1.	60				Very sultry & electric, but hazy till after 10, afterwards bright and hot. Hazy even, and a sudden thunder-storm and gale from SE - 6 1/2 pm. fine night.	
		SE 1.		66				
	-85	SE 5.			72			
							Thunder storm at 6 1/2 pm.	
	119.22		113	144			Mean Temp 2 days 64° 25.	Total Rain 5.00

Barometer.

Highest on the 1st - 30.51.

Lowest on 12th - 29.10

Range - 1.41

Mean of Month 29.91.

Gales on 5 Days.

Thermometer

Highest on 5th - 76°

Lowest on 1st & 21st - 43°

Range - 33°

Mean daily range - 12° 56.

Mean of Month - 60° 08

2° above Average.

Prevailing winds the SW, which blew on 15 1/2 days!
Fine days 19; & depth of Rain Five Inches!

Summary Notes on September 1869.

This was a very variable month, with great electric commotion from the 5th day, and the rainfall great, in the middle of the month, with much thunder and wind, beyond what is usual before Equinox; yet the temperature throughout was high on a mean, owing to the general closeness of the nights, for the day temperature was moderately high alone. The harvest was chiefly ended about the 9th and the yield a fair average. Some barley and beans remained exposed to the rains, which though frequent and heavy from the 10th to 19th, were highly salutary to the pastures, and root-crops, and quickly disappeared from the surface, owing to previously parched state of the soil, so long prevailing. Public health suffered considerably, but chiefly from Measles among the young, and severe Rheumatic affections with those of ripe years.

October 1869.

Oct.	Baro. meter	Wind.	Thermometer Lowest. 9 am. Highest.		Weather, &c.	Notes.	Rain.
F. 1.	29.90 30.01	S 2. S 1. S 1.	55 61 65		Rocky electric clouds, & hot sun, very bright and warm, most of the day. Bright evening, electric air, & large meteors W to E.		
S. 2.	-01 29.87	S 1. SSE 1. SE 2. SE 2.	53½ 58 60		Close, hazy, & electric morn'g, and a little rain at times; till after 1pm, afterwards fine, and sunny afternoon. Black clouds at 8 & 9pm - lightning, thunder & rain.		08 17
Su. 3.	-89 30.11	S 0. NE 1. Var. 1. NE 1.	53 61 65		Close morn'g, & some clouds, but after 8, hot and bright with very rocky clouds till 1, heavy thunder storm. 1½pm, from NE. afterwards again fine. Night cloudy.		40
M. 4.	-23 -29	NW 1. W 1. W 1.	53 59 63½		Close morn'g, bright after 8, with some rocky clouds; very pleasant afternoon, and serene evening. Cloudy night, and fog rising & increasing.	8 8 4	
Tu. 5.	-30 -32	W 0. Var. 0. W 0.	48 56 64		Fog early, but after 9, bright, and very warm, with light clouds, & no wind. Hazy and foggy evening, and night.	new moon 2.19 pm. * 0 H 8 9 4	
W. 6.	-35 -38	W 0. SE 2. SE 1. SE 1.	45 57 63		Very foggy till near 9, then bright, and warm, with gentle breeze, and some cumuli clouds. Fine evening, and night, red clouds at sunset. Some fog in the night.	6 9 8 Δ 9 H	
Th. 7.	-39 -32	SE 1. SE 2. SE 1.	47½ 58 62½		Bright with light clouds, and very pleasant, more clouded all the evening, and dark electric clouds, very close night, but fine.	Δ 8 H	
422.37			35.5	44.3	Mean Temp 57° —) Rain cal-up 0.65		
798			= 5° above Average. —				

October 1869.

Oct.	Baro. meter	Wind.	Thermom. Lowest	9 am	Highest	Weather, &c., &c.	Notes.	Rain. 0.65
F. 8.	30.20 -27	SW ₁ W ₀ W ₀ Var. 0.	54	59	63	Close, hazy, and electric, calm and sultry day, little rain 3pm, for a few minutes. Close evening and very fine. Night foggy.		01
S. 9.	-32 -37	SE ₀ SE ₀ SE ₁	49	60	69	Great fog early; but from 9am, very bright, and hot for the season, and no wind. Evening and night more hazy, and a breeze set in after 9pm. — fine night.	very hot, clear, calm & summer-like day.	
Su. 10.	-35 -37	SE ₂ SE ₂ SE ₁	58	60	60	Soft fog more or less all day, with a soft wind, & very fine. Evening and night very similar to the day, but less wind.		
M. 11.	-32 -32	SE ₁ SE ₂ SE ₁	53	61	67	Bright, and hot all day, with a gentle wind. Clear evening, & night, with a very heavy dew, but still a mild and summer-like condition!	3 W 0 very fine and hot.	
Tu. 12.	-28 -27	S ₀ S _{1/2} SSW _{1/2}	49	59	68	Very heavy dew early, and very bright and hot day, for the season, nearly calm, & few light clouds. Bright moon at evening, some small electric clouds.	Moon 1 st 2 nd 10.2 am. very fine & lovely weather.	
W. 13.	-17 -11	SW ₃ SW ₂ W ₄ 2.8 1.	56	59	64	Little rain early, close & cloudy till 10, then bright & warm till after 12; cloudy & cooler afternoon, shower at 2pm. then fine, & much cooler.		04 05
Th. 14.	-21 -15	W ₃ NW ₂ W ₁	42	47	52	Clouds and sun, with cooler wind: more clouded after 11am — but fine, and not unpleasant. Hazy evening and night, and wind returning Southward.		
423.71			36.1 44.3			Mean Temp 57° 42. Rain cal over 0.75		
			804			= 5 ⁴ / ₁₀ above Average.		

October 1869.

Oct.	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. Highest.	Weather, &c.	Notes.	Rain 0.75
F. 15.	29.94	SW ₃ SW ₃ SW ₃	45 53 57 1/2		Little shower at 5 a.m., fine day with many clouds, little sun, and brisk wind. Warm breezes all night, and chiefly cloudy.	☐ H ☉ H H V	.03
S. 16.	60 -39	SW ₄ SSW ₅ SW ₃	51 56 58		Close, cloudy, & lowering, wind gusty, & a little rain, and at 2 p.m., a heavy shower, afterwards fine & sun at times. Windy night, and much colder.	H 2 H 2	.23
Su. 17.	67 -92	W ₆ W ₄ W ₂ & -0.	35 40 45		Clear, & very keen wind the same all day, bright, but very cold. A sudden & great fall of temperature. Clear morning, light even, & wind gone.	H 2 H 2 Frosty night in part.	
M. 18.	78 -50	S ₂ S ₄ SW ₂	34 45 48		Hazy & lowering, and rain from 10 a.m. till 4 p.m.; then finer and much less wind. Some fog in the night, but after 12 wind again rising.	H 2 H 2 H 2	.60
Tu. 19.	35 -74	W ₅ NW ₆ NW ₅ & 3.	41 46 46		Squally wind & hard rain at times from 6 a.m. till after 1 p.m.; then rather finer, but still turbulent. Some storms of sleet during night.	H 2 H 2 H 2	.72 .10
W. 20.	30.11 -20	NW ₃ W ₂ W ₁ SW ₁	33 37 46 1/2		Flying showers of sleet early, & till after 7 a.m., but a fine and bright day, & less wind in the afternoon. Even more hazy, & cloudy at 8 p.m.	Full moon. 1.57 p.m. wintery weather.	.06
Th. 21.	23 -42	W ₁ NW ₂ NW ₁	41 48 51		Clear from 7 a.m., bright at times in the day, with more clouds at 1 & 3 p.m. Even and night fine, and partially cloudy.	H 2 H 2 H 2	
41765			280	352	Mean Temp 45° 14.) Rain cal. up 2.49		
			632		Nearly 7° below Average.		

October 1869.

Oct.	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. Highest.	Weather, &c.	Notes.	Rain 2.49
F. 22.	30.52 -49	NW ₁ W ₁ SW ₁	38 43 49		Cloudy more or less, but after 2 p.m. brighter at times, and very fine day. Even & night thick, hazy, & cloudy, but very fine and mild.		
S. 23.	39 -29	SW ₁ SW ₂ W ₃	44 48 53		Cloudy and rather foggy, with gleams of sun, and closer air. Very cloudy even, and night, and a shower of rain at midnight.	Rain at midnight.	.04
Su. 24.	22 -32	W ₂ NW ₂ NW ₁	49 51 53		Cloudy more or less; but some sun at times after 10 a.m., and chiefly bright after 2 p.m. Even & night, calm, clear, and frosty.	☐ & H	
M. 25.	33 -19	W ₁ W ₂ SW ₁ 4.5.	36 43 50		Clear, frosty morn; continued bright all day, with light clouds: Even more clouded, squally wind during night.	♂ ♀ H	.02
Tu. 26.	29.90 -95	W ₄ NW ₅ NW ₅	38 1/2 42 44		Little rain 1 a.m., fine & bright morn after dawn, cold wind, & much cloud from 10 a.m., and strong wind, very cold & rough. Clear & cutting frosty night.		
W. 27.	82 -75	NW ₅ NW ₆ NW ₄	28 34 39 1/2		Severe wind frost & clear morning. Blowing all day, but cloudy after 1, and great snow storm followed, from 2 till 4. Fine & keen frost at night.	very cold wintery weather, & much snow.	.20
Th. 28.	80 -74	NW ₄ NW ₄ NW ₄	27 33 42		Severe frost & clear, but after 8, overcast & heavy snow till after 12: cloudy & some rain in the P.M. Blowing and wet even, finer night.	moon, last 8.34 a.m. great falls of snow.	.20
42171			260	330	Mean Temp 42° 21. -) Rain cal. over 2.95		
			591		7 1/2 deg - below Average.		

October 1869.

Oct.	Baro. meter	Wind.	Thermom. 9 ^{am}	Thermom. 4 ^{pm}	Weather, &c.	Notes	Rain 2.95
F. 29	30.13 -29	NE 2. NW 1. NW 1.	36 44 48		Bright, with some clouds, and more settled than of late, but the Evening hazy and some banks of cloud Westward. Clear at 9 pm but a cloudy night.		
S. 30.	29.99 30.17	S 2. W 1. NW 2. NE 1.	37 42 49		Rainy morn'g till after 8, and very gloomy and damp till noon. afternoon mild & at times bright. Even'g rather cloudy.	* ♂ ♀	21
Su. 31.	-27 -30	W 1. W 1. W 1.	40 45 50		Grey clouds upward, & blue fog below, very foggy at noon & till 2 pm, afterwards bright at times, but again foggy, and mild even'g and night.		
18115			113	147	(Mean temp 3 days 43°.33) Total rain. 3.16		

Barometer.

Highest on 22nd = 30.52.

Lowest on 19th = 29.35.

Range = 1.17

Mean of Month 30.10.

Gales on 4 Days.

Thermometer.

Highest on 9th = 69°

Lowest on 28th = 27°

Range = 42°

Mean Daily Range 11°.1.

Mean of month = 49°.75.

24° below Averages.

Winds most prevailing W; NW; and SE.

Fine days 18: Depth of Rain 3.16 Inches.

Summary Notes on October 1869.

This month was remarkable for having been truly summerlike during the first fortnight, and exceedingly wintery towards the end; so rapid a change, and sudden a fall of temperature, as we never before recorded in any October!

The Rain-falls were frequent and considerable, and on the 27th and 28th the snow-storms were such as rather belong to mid-winter, and drifting heavily and thick to the depth of 2 or 3 Inches, aided by severe frost on the same days, so that the ground was prepared to retain the snow, even as in winter, till the temperature rose next day. It was a very unusual scene among the trees and hedges yet clad in their leaves, but after the storm, all the foliage appeared as if seared by fire, quite brown, or black, and shrivelled. A period of considerable sickness, and mortality, and also rather unfavourable for the earlier wheat-seeding labours.

November 1869.

Nov.	Baro. meter	Wind	Thermom. 8 am	Notes	Rain
M. 1.	30.31 -29	SW ₂ SW ₂ SW ₂	42 45 51	Fine morning, mild and cloudy, more clouded and foggy after 12, and little rain at times; evening and night cloudy, but fine and mild.	.04
Tu. 2.	-32 -01	SW ₃ SW ₄ SW ₄	48 52 58	Very mild, and cloudy; became bright & very warm from 10 am till 2 pm, afterwards some clouds. Gale night, & rain at midnight.	.06
W. 3.	29.90 -81	W ₂ W ₁ W ₁	46 47 52	Bright and mild for the new moon season, with some clouds after 1 pm, and very close and cloudy night. Wind rose at midnight.	
Th. 4.	-52 -62	NW ₅ NW ₆ NW ₄	43½ 50 51	Squally wind, flying clouds, and sun at times. Heavy gale, pm & drifting showers at a distance. Clear after 3 pm, fine night, and wind gusty.	
F. 5.	-76 -37	W ₃ W ₁ W ₁ 8.3.4.	39 42 54½	Clouds & sun, with a drying breeze, till after 12, then thick and hazy, with some rain from 3 pm, all the evening: followed by heavy gusts of wind.	.17
S. 6.	-50 -81	NW ₇ W ₃ W ₂	42 44 47	Heavy gusts of wind till 5 am; but subsided to a pleasant air, & bright forenoon; afterwards cloudy in part, & brisk wind. Clear and frosty night.	
Su. 7.	30.00 -01	W ₁ W ₂ W ₁	35 39 44	Clear morn. & till 7, afterwards very cloudy and thick at times. Calm & drying afternoon, and rather hazy, but clearer than before: again cloudy after 9 pm.	
41.843		29.53575		(Mean Temp 46°.60.) Rain cal. up .27 652.5 = 4½° above Average.	

November 1869.

Nov.	Baro. meter	Wind	Thermom. 8 am	Notes	Rain
M. 8.	29.68 -95	SW ₄ W ₅ WNW ₆ W ₂	38 51 53	Cloudy, mild & windy morning, and flying shower at 8½ am, afterwards bright & strong wind, but abated much after 2 pm. Calm night, & in part clear.	.04
Tu. 9.	-74 -91	SW ₃ NW ₃ NW ₂	38 42 45	Very rainy from 7½ am, till after 1 pm, then finer & colder comparatively: and much clearer after 4 pm. Frosty night, and chiefly clear.	.30
W. 10.	-95 -97	NW ₄ W ₃ W ₂ 5 & 6.	31 34 40	Frost early, wind rose after 9 - cold breeze all day, & some clouds less wind in the afternoon, but very squally evening. Fine, and frosty night, and nearly calm.	
Th. 11.	30.22 -41	NW ₂ NW ₃ NW ₁	31½ 34 42	Ken air, frost early, little fall moon of snow at 10 am, afterwards 1st Dr. bright & fine, but very cold, & a clear frosty night.	
F. 12.	-44 -40	SW ₁ SW ₂ SW ₂	28 34 43	Frost early, hazy from 7 am, cloudy and thick all day, very gloomy afternoon. Cloudy evening but became milder during night.	
S. 13.	-22 01	SW ₃ SW ₄ SW ₆	40 47 54	Mild & cloudy morning, brisk wind lowering, and mild all day, & slight rain at times; heavy gale all the evening, very warm night and very breezy & cloudy till wet in night.	.03
Su. 14.	29.95 30.00	SW ₄ SW ₂ SW ₂	48½ 56 58½	Very warm breeze, & cloudy more or less. Wind abated in the afternoon, and some gleams of sun. Hazy evening, and mild but less so than before. Fine night.	.05
42.085		25.53855		(Mean Temp 42°.17.) Rain cal. over 0.69 590.5 = About the Average.	

November 1869.

Nov.	Baro. inches	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	notes.	Rain. inches
M. 15.	30.06 -07	SW ₁ SW ₁ SW ₃ 2.1.	48 50 55		Hazy, calm, and mild morn. very thick afternoon, blue fog, & light rain, at times, but in the evening less fog, & rather more wind. Clearer night.		0.69
Tu. 16.	-10 -14	SSW ₀ SSW ₂ SW ₁	44 46 55		Bright and calm morn., and continued bright, mild, and very fine pleasant day. Grey clouds at even., and fog in the night.		
W. 17.	-32 -45	W ₁ WNW ₁ NW ₁	38 40 48		Fog till after 9, then very bright & fine, and nearly calm. Foggy again after sunset. Some frost during night.	* ♀ ♀	
Th. 18.	-52 -54	SW ₁ S ₂ S ₂	31 32 45		Clear frost, and densely foggy all the morning, partially bright at midday, and again foggy after 3, milder evening and night.		
F. 19.	-37 -34	SW ₂ SW ₃ W _{3.4} SW ₃	38 46 55		Fine, mild and chiefly bright. till 1 pm, then some clouds, & a squall of wind from West. Again bright & serene from 2 pm. More wind in the evening.	Full moon 7.18 am. 8 & 4	
S. 20.	-32 -34	W ₂ NW ₃ NW ₁	32 35 41		Clear & bleak morn., and a very fine and bright day, with a keen breeze. Some clouds af- ter 2 pm. Clear and frosty evening and night.	Δ ♀ 4	
Su. 21.	-30 -05	NW ₀ W ₁ SW ₁	26 28 42		Clear and sharp morning. Bright till 1 pm, afterwards some grey clouds, and rather cloudy afterwards.		
42.3.92		25.7.3.4.2		Mean Temp 42° 82.) Rain cal. up 0.73 599.5 ——— Rather above Average.			

November 1869.

Nov.	Baro. inches	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	notes.	Rain. inches
M. 22.	29.50 -40	SE ₅ SSE ₆ S ₄ 3.2.	34 46 46		Cloudy, blustering & some rain at times, very gusty, dark and boisterous day. Much rain all the evening, and at times during night.		15
Tu. 23.	-40 -54	SE ₂ SE ₁ SE ₁	39 41 45		Much rain early, A.M., very dark & misty morning. cloudy all day, but finer in the afternoon. foggy, & cloudy evening.		35
W. 24.	-70 -88	W ₁ NE ₁ NE ₁	36 39 46		Overcast, dark, & foggy, Δ ♀ H but chiefly free from down- fall, and a dark & cloudy evening. Foggy night.		
Th. 25.	-95 -99	NW ₁ NW ₁ NW ₁	36 39 41		Very foggy till noon, then a little sun, but more or less foggy. — and the evening the same. Night clearer.		
F. 26.	-80 -83	W ₃ W ₄ W ₂	35 48 49		Cloudy, little wet early, and a warmer breeze. finer & clearer after 9 am, but cold- er again. Fine evening and night, & drying air.	moon, last Dr 6.14 pm.	07
S. 27.	-81 -65	WSW ₂ SW ₁ SW ₁ S ₂	38 43 45		Cloudy more or less, but a drying forenoon, and a dark and wet afternoon. and rain increased after 4 pm. and rainy night.	8 ♀ H	30
Su. 28.	-56 -72	W ₁ NW ₄ NW ₅ W ₅	40 44 44		Rain till 6 am, then fog till noon, clearer pm, and more wind, chiefly sun all the afternoon, and wind squally.		33
4.15.73		25.8.3.1.6		Mean Temp 41° ——— Rain cal. over 1.93 574 ——— 1° below Average.			

November 1869.

Nov.	Barometer	Wind.	Thermom. Lowest	8 am.	High	Weather, &c.	notes.	Rain. 193
M. 29	30.06	W ₃ .	30			Keen wind & frost, became very hazy and thick all day after 10 am, and followed by rain in the evening, and during the night.		
		W ₁ .		34				
	29.85	SW ₁ .			39			.14
		SSE ₂ .						.10
Tu. 30	.62	NE ₂ .	35			Some rain early A.M. - Cold and squally day, with flying showers of sleet and rain.		.07
		N ₄ .		38		And much snow in the evening and part of the night.		
	.81	N ₃ .			38.2			
	119.34		65	68.5		Mean Temp 2 days. - 33°. 37. Total Rain		2.24

Barometer.

Highest on the 18th - 30.54

Lowest on the 22nd - 29.40

Range - 1.14

Mean of Month 29.97

Gales on 6 Days.

Thermometer.

Highest on the 14th - 58.5

Lowest on the 21st - 26.5

Range - 32°

Mean daily range 9.95

Mean of Month 42.5.

12.2 Degrees above Average.

Prevailing winds West, SW, and NW.

Fine Days 16; Rain-fall 2.24 Inches.

Summary Notes on November 1869.

This month was chiefly mild to the 17th with some gales and little rain at times; after the 17th changeable and sometimes a little frosty to the 25th, and the rest of the month dark and overcast, with rain at intervals; but the entire rainfall was scant for the season, and the mean Temperature but very little above Average. Great mortality among children in Yawn, mainly from scarlatina, and affections of the throat and chest. Still at the month's end, there were less of all these, and an abatement of the mortality. An early and complete fall of the general foliage took place this season, greatly hastened by the unusually cold snowy weather near the close of the previous month, and gales since then.

December 1869.

Dec.	Baro. meter	Wind.	Thermom. Lowest. 8. Highest.	Weather, &c.	Notes.	Rain.
W. 1.	29.99 30.10	NW ₃ NW ₃ NW ₃	28 33 36	Much snow at times, all the forenoon, afterwards finer and some sun; but a squally evening, & snow at times. Night finer & less cold.	Snow	
Th. 2.	-08 -10	NW ₁ NW ₁ NW ₁	29 33 35	Foggy all day, and very cold and cold, but nearly calm. The evening the same, but the night in part clear.		
F. 3.	-10 29.96	NW ₁ NNE ₂ NNE ₂	16 28 35	Severe frost early, very cold and snowy day, but fine at times. Raining from 8 pm, and so all night at intervals & more wind.	New moon, 10.41 am. Snow.	
S. 4.	-84 30.20	E ₃ E ₂ SE ₁	32 37 37	Much rain early, cloudy all day and gentle thaw, but a cold breeze. Evening clearer and keen frost, but soon less.		23 27
Su. 5.	-45 -56	W ₀ NE ₀ NE ₀	30 35 38	Cloudy, & little frost: the whole day cloudy and calm, but gently thawing, and very thick and cloudy evening, and nights.		
M. 6.	-63 -61	E ₂ E ₃ NE ₃ & 2.	35 38 38½	Very cloudy, with a raw and cold air, but still thawing and a very dark day. The evening and night also cloudy, and no frost.		
Tu. 7.	-37 -24	E ₂ E ₁ E ₁	36 38 39	Very cloudy and dark all the day alike, but not freezing, and the evening & night also overcast & milder.		
423.23		206.2585		Mean temp 33° 17. Rain cal- up, 50		
		4645		= Nearly 6° below Average.		

December 1869.

Dec.	Baro. meter	Wind.	Thermom. Lowest. 8. Highest.	Weather, &c.	Notes.	Rain.
W. 8.	30.09 -03	E ₁ E ₁ E ₁	37 40 41	Very cloudy and gloomy, and after 11 a.m., rain at times, in slight mistings, but rather more in the afternoon, and evening foggy in the night.		22
Th. 9.	-00 -07	W ₀ NE ₁ E ₁	38 38 43	Very foggy all day, & calm, but damp & cold, although less so than of late. Evening & night, continual fog, and milder.		
F. 10.	-05 29.93	SE ₁ SE ₂ SSW ₂ 3-4.	40 42 43½	Very foggy all day, dark, and damp; a little more wind in the afternoon. Slight rain at times; and wind rising all night.	moon 1 st 2 nd 11.12 pm.	05 06
S. 11.	-65 -53	S ₄ S ₅ S ₄	41 46 48½	Mild & rather squally, more wind after 1 pm, lowering and dark, and very stormy evening, and hard rain at 10 & 11 pm.	6 2 0	24
Su. 12.	-62 -62	W ₁ SW ₂ S ₁ SW ₂	36 37 43	Very foggy till 10, then became bright, & so continued till 2 pm, afterwards cloudy; and some rain at 3 & 4 pm. Evening clearer, but the night changeable.	6 3 2	04
M. 13.	-61 -38	S ₃ SSW ₆ SSW ₆ 4.3.2.	35 42 51	Cloudy & squally sky, more so after 12, dark, and boisterous of forenoon: and wet & blowing evening, but the night finer, and less wind.	6 8 0 Δ 3 4	05
Tu. 14.	-34 -65	SW ₂ SW ₂ W ₂	40 40 46	Bright with some clouds, mild, and fine. Colder after mid-day, and stormy looking sky: fine till midnight.		
416.57		267.316		Mean Temp 41° 64. Rain cal over, 1.16		
		583		= 2½° above Average.		

December 1869.

Decr.	Baro. meter	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Notes.	Rain. 1.16
W. 15.	29.42	SE ³ SW ⁶ SW ⁶ WSW ³	36 43 45	Rainy from 5 am, and at 7 - a heavy storm, rain, hail & gale, bright forenoon, & afternoon, but windy. -		45
Th. 16.	28.84	WSW ² SW ² S ^{1.3} S ^{6.3}	34 39 54	Fine, with grey clouds till after 1 pm, then very dark and heavy, and wet and squally evening, with hard gale at times. Much rain.	□ ♀ 4	62
F. 17.	29.50	W ^{8.7} W ^{6.4} W ^{4.} 3. & 2.	39 41 45	Violent gale from midnight till after 1 am, blowing hard even till dawn & some rain. Day bright, and blustering evening, and cloudy, threatening more rain.	Awful gale and floods in valleys.	73
S. 18.	29.62	S ^{2.} SW ^{3.} SW ^{3.} SW ^{4.}	37 45 55	Hard rain early & till 8 am, and again rainy from 9 am, at times most of the day. Calm atmosphere. Evening and night fine with warm breeze.	Full moon 11. 50 pm. continued floods in marshes.	50 26
Su. 19.	29.50	SW ^{3.} SW ^{2.} 4. 5. SW ^{4.}	45 45 48	Bright and pleasant till 2, & mild with gentle breeze; but after 2 pm, heavy squalls, and flying showers. Bright at 3 o'clk, but a blustering evening.		85
Mo. 20.	29.68	SW ^{1.} SW ^{1.} SW ^{1.}	36 36 44	Clear, bright & calm morning, and fine sunny day. Some clouds after 3 pm, but a fine and frosty evening, and part of the night.		
Tu. 21.	29.52	S ^{2.} SSE ^{1.} S ^{1.} Var. 1.	32½ 42 43	Very dark and rainy morning, from 5 am, and very wet day, continual rain, more or less till about 9 pm, then again finer, but foggy.	Seeds	75
41457		25953345		Mean 42°. 428.) Mean cal up 3.92		
		594		= 3½° above Average.		

December 1869.

Decr.	Baro. meter	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Notes.	Rain. 3.92
W. 22.	29.53	NE ^{1.} NE ^{2.} NE ^{4.}	37 37 43	Foggy and dark morning till after 11, cloudy afterwards, but fog gone, & a little sun gleam. More wind in the evening, and dark flying clouds.		
Th. 23.	29.85	N ^{3.} N ^{4.} N ^{5.}	38 38 42½	Cloudy and cold breeze, with some sun at times. More cloudy and dark after 1 pm, and blustering evening, and a little sleet at times.		
F. 24.	30.02	NE ^{3.} NE ^{1.} NE ^{1.}	35 36 39	Little hail 7 am; fine day very keen air, but chiefly bright & clear, serene, and frosty evening. Fine night till after midnight.	♂ ♂ H	
S. 25.	29.91	NE ^{0.} NW ^{0.} W ^{4.} 3. 2.	25 30 30	Heavy snow early A.M. - Clearer after 7 am, keen frost & very bright and calm day. but a great change after 5 pm, windy & snowy evening. Upon 24.	Δ ♀ 4 Snow 3 inches deep in the morning	⊙
Su. 26.	29.58	W ^{1.} NW ^{0.} W ^{1.} SW ^{1.}	21 28 34	Cloudy & snow early A.M., but very clear after sunrise, continued very bright till 3. after words cloudy for some hours, but a clearer & sharp night, 8 pm 20°.	on moon last Quarter. 2.33 am. * ♀ H	⊙
Mo. 27.	29.72	N ^{2.} NE ^{2.} NE ^{1.}	18½ 30 34	Much snow early, and severe frost during frost night. Frequent snow during the day, and sun at times. Cloudy evening. The 26 - 8 pm.	Snow.	⊙
Tu. 28.	29.89	NW ^{3.} NW ^{1.} NW ^{1.}	19½ 20 27½	Some hail at 7 am, severe frost and intermitting falls of snow. Clear & very sharp at sunset, and very severe night till after midnight.	Snow. Severe frost.	⊙
41741		194250		Mean Temp 31°. 71.) Rain cal over 3.92		
		444		= 7¼° below Average.		

December 1869.

Dec.	Baro. inches	Wind.	Thermom. Lowest	8 am	Thermom. Highest	Weather, &c.	Notes	Rain inches
W. 29	30.10 -16	S 2. SW 2. SW 1.	13	26	38	Very severe early A.M., but less after dawn, little snow, & few rain drops during forenoon. Bright afternoon. Hazy evening and much less frost.	little snow.	3.92
Th. 30.	-10 29.87	S E 4. S 5. SSW 4. S 6.	28	35	36	Wind gusty and very keen, heavy sky, and some clouds. Cloudy and cold blowing evening. Less wind in the night, some rain and gentle thaw.		
F. 31.	-70 -58	S 2. S 1. SSW 1.	33	38	40	Overcast, thaw & little rain in the morning. Overcast all day, and continual gentle thaw. More rain in the evening, and more or less all the night.	8 8 11	10 15
17951			74	114		Mean last 3 days. 31° 33. Total rain 4.17		

Barometer.

Highest on 6th — 30.63

Lowest on 16th — 28.84

Range — 1.79

Mean of month 29.85

Gales on 5 days. —

Thermometer.

Highest on 18th — 55½

Lowest on 29th — 13°

Range — 42½

Mean daily range — 8° 75

Mean of month — 36.66.

About 2° below Average.

Prevailing winds S.W., and N.E. —

Fine days 12. Rain-fall 4.17 Inches. —

Summary Notes on December 1869.

This was altogether a very seasonable month, and mostly very cold, with some snow-falls and sharp frosts, at the beginning, and near the end. The rain-fall was also very considerable, and it was a period of great gloom, and far from healthy. Destructive gales on 16th and 17th, and many disasters on land and at sea, with loss of many lives. —

Conclusive notes for the Year 1869.

The Highest Baromd for the Year was on Dec 6th when it was 30.63. And the lowest for the year was on Dec. 16th when it was 28.84.

The hottest days were June 7th; July, 12th; and August 28th, Therm 85° on each day. And the coldest was December 29th Therm 13°.

The Rainfall was 31.14 — Inches, and the number of fine days 232. —

Monthly Results for 1869

1869.	Winds.								Gales	Fine Days	Rain-fall.	Mean Barom.	Mean Temp.	Mean daily range.	Thermom.	
	E	W	N	S	NE	SE	NW	SW							Min	Max.
Janr.	1	2	0	9	1	8	0	10	3	21	1.98	30.10	39.60	9.70	20°	55°
Feb.	1½	5	0	3	2½	0	2	14	5	18	2.84	30.02	44.60	10.42	29	5½
March.	2½	3½	2	0	12	3	4½	3½	4	17	2.00	29.89	37.78	11.96	22	5½
April.	4	2	3	5	4	2	2	8	1	23	1.16	30.09	50.80	19.66	27	77
May.	6½	3½	2	0½	4½	6	3½	4½	0	17	3.17	29.94	51.63	15.48	32½	67
June.	0	4	4	3	5	1	6	7	2	23	2.08	30.18	56.10	18.18	36	85
July.	1	6	1	3	3	8	1½	7½	0	27	0.62	30.22	64.51	19.70	42	85
Aug.	2	4½	0	0	7½	4½	5	7½	0	21	2.72	30.24	60.52	18.08	43	85
Sept.	0	4½	1	1	0½	6½	1	15½	5	19	5.00	29.91	60.08	12.56	43	76
Oct.	0	8	0	3	2	6	8	4	4	18	3.16	30.10	49.75	11.10	27	69
Nov.	0	9	1	1	1	2	7	9	6	16	2.24	29.97	42.50	9.95	26½	58½
Dec.	4	2	1	4	6	1	4	9	5	12	4.17	29.85	36.66	8.75	13	55½
1869.	22½	54	15	32½	49	48	44½	99½	35	232	31.74	30.04	49.54	13.79	13°	85°

January * 1870.

Jan.	Baro. meter	Wind.	Thermom. 8 am.	Thermom. 4 pm.	Weather, &c.	Notes	Rain.	
S. 1.	29.44 —50	SSE ₂ SW ₁ SW ₁	38 43 47		Very rainy early A. M., clear after 9 am, fine, bright, and mild, with light clouds, & haze at times: slight misting at 8 pm. Mild night.	Δ 40	.20	
Su. 2.	—65 —76	SW ₁ SW ₁ SW ₁	42 45 47		Cloudy and mild, with a gentle wind, and pleasant for the season. — (very close evening, and thick and dark sky.	New Moon 0.5 a.m.		
M. 3.	—77 —82	S ₂ SW ₁ SW ₁	42 45 47		Little rain early, cloudy, and mild day, and gentle rain at times. Heavy shower at 3 pm, then cleared up & bright. & most of the evening clear.	Aurora Borealis 9 pm.	.12 .21	
Tu. 4.	—82 —97	S ₃ S ₁ S ₁	38 46 48		Little rain early, but a fine, mild, and sunny day. More hazy after 3 pm; and a cloudy and close evening, and night.		.05	
W. 5.	—88 —92	S ₁ SSW ₁ SSW ₁ SW ₂	43 46 46 46		Rain early A.M., and at intervals during the day. dark and clouded, but mild the evening & night. clearer and a little frosty.		.13 .18 .06	
Th. 6.	—92 —75	SW ₁ SW ₂ S ₄	33 38 44½		Hazy but fine, and partially bright. More clouded after 2 pm, and a stormy looking sky. — Squally bright, and some rain.			
F. 7.	—47 —64	SW ₄ SW ₂ SW ₃	38 42 46½		Wind & showers early A.M. but quite clear after 9 a.m. and a very fine bright, & cheering day. — Stormy looking evening, & some rain.	☐ ☐ ☐ ☉ ☉ ☉	.14 .05	
41631			27.4	32.6	Mean Temp 42.85			Rain cal. over 1.14

January * 1870.

Day.	Baro. meter	Wind.	Thermom. 8 am	Thermom. Highest	Weather, &c.	Notes.	Rain.
S. 8.	29.27 -14	SSW ₆ SSW ₇ SW ₆ SW ₅	42	50 50	Heavy morning, and increasing to a heavy gale, & rain at times. Wind slowly abating from 4 pm, and became nearly calm during night.	Hard Gale.	1.14 06
Su. 9.	-45 -59	SW ₁ SW ₁ W ₂	40	43 45	Cloudy and lowering till noon, afternoon bright and very little wind, but again cloudy after 4 pm. Little more wind at eve.	moon 1 st Dr 9. 2. pm.	
M. 10.	-79 -94	SW ₁ W ₁ W ₁ NW ₀	31	34 38	Little hoar frost early, very fine and bright all day, but a very keen air. Clear orange sunset, and a frosty evening.	☽ III ☉	
Tu. 11.	30.07 29.90	W ₀ SW ₀ SW ₂ S. 3.	26	28 36	Hard frost, & very white, clear, bright and calm. morning, but after 12 noon, it became cloudy & thick blue haze. Snow & rain evening.		10
W. 12.	-77 -79	SW ₃ W ₄ NW ₄ W ₃	33	37 39½	Snow in large flakes, and some rain at 8 & 9 am, then finer, but cold & squally. Fine evening, in frost clear, and a cold wind.		12 0
Th. 13.	-85 -93	W ₃ SW ₂ SW ₁ S. 0.	32½	35 40	Clear, and a West wind. Chiefly bright all day, and milder a short time. Hazy at sunset, and the evening the same. Change during night.	☐ 8 4	
F. 14.	-60 -55	SW ₂ SW ₃ SW ₂	33	46 49½	Some showers early AM. but after 8, very bright till 1 pm, some clouds afterwards yet chiefly sun, and mild. Stormy clouds at evening.	Acornite blooms.	13
416.67		2375.298		Mean Temp 38° 25		Rain cal up 1.55	
		535.5		3¼° Above Average.			

January * 1870.

Jan's	Baro. meter	Wind.	Thermometer Lowest.	8 am	Highest	Weather, &c.	Notes.	Rain 1.55
S. 15.	29.68	W ₄ . W ₃ . SW ₁ .	40		44 46½	Showery & squally morning clouds & sun in the day. More calm & pleasant after 2 pm, and serene evening, with a curdled sky. — Fine night.		07
Su. 16.	30.20	W ₀ . W ₀ . NW ₀ .	30		30 42	Hoar frost & bright morning till 10, then cloudy & thick with some blue haze. Evening calm, & rather foggy, and the entire day quite calm.		
M. 17.	53	Var. NE ₀ . NE _½ .	38		39 44	Calm, and very fine, with grey clouds, and little sun. More clouded after 2 pm. The Eastern sky clear all the evening. — Very fine night.	Full moon 2. 45 pm. & Eclipse at rising.	
Tu. 18.	63	E _½ . E ₁ . E ₁ .	33½		36 38½	Soft grey clouds, very fine and calm, but rather cold air, & scarcely any sun. — Sharper air, and threatening snow all pm. — Fine night.		
W. 19.	58	E ₁ . E ₃ . E ₃ .	32		34 37	Cloudy, little granular snow. Very cloudy all day, and very cold, and more wind. Evening & night similar.		0
Th. 20.	50	ENE ₂ . NE ₂ . NE ₂ .	31		32 34	Cloudy, dark, and little granular snow falling at times. Very cold & dreary all day. Evening & night also cloudy & frost continued.	□ ♂ 4	0
F. 21.	36	N ₂ . NE ₂ . NE ₁ .	30		32 35	Cloudy & dark, little sleet at times. — Clearer after 3 pm, but still cloudy. Evening again overcast & some snow & hail.		0
425.36			2345.277			Mean Temp 36° 53		Rain cal over 1.62
			511.5			1½° above Average.		

January * 1870.

Jan ^r	Baro. inches	Wind.	Thermom ^r 8 am	High	Weather, &c.	Notes.	Rain. inches
S. 22.	30.41	NNW ₁ NW ₁ NW ₁	28 35 38		Cloudy, and gentle frost, a.m. clearer & some sun after 1 p.m., milder & very little wind. Cloudy evening, & night.		1.62
Su. 23.	40	N ₃ N ₄ N ₂	33 40 41 1/2		Cloudy, little misting at times, stormy sky, & but little sun. Evening cloudy more or less but chiefly fine.	02	
M. 24.	40	NE ₂ NE ₂ NE ₁	34 36 40 1/2		Cloudy & little snow at 9 a.m., clouds and sun in the day, but fine. Evening cloudy, but the night clearer, & nearly calm.	moon. last Dr 10.23 am	
Tu. 25.	47	NE ₀ ENE ₂ E ₀	31 33 36		Bright and calm morning, with a little frost, very bright day, but a keen wind. Calm evening, and frost much increased. Very clear all night.	* 94.	
W. 26.	50	E ₀ NW ₁ NW ₀	22 23 36		Clear, & very hard frost: bright all day, and sharp air. Very clear and frosty evening, and again sharper at night.	Sharper frost.	
Th. 27.	29	NW ₀ NW ₁ W ₀	20 1/2 21 34		Sharp frost, very hard & white, and became foggy after 7 a.m., but the day bright; and a clear and severe evening, and part of the night, but more haze.	Severe frost.	
F. 28.	23	SW ₀ SW ₁ S ₁ SE ₁	22 29 31 1/2		Haze and hard frost, but rather less severe. From 10 a.m. very thick and clouded: a dark and cold day. Clear at night, and sharper than before.	Steady frost.	
425	44		1903	260	Mean Temp 32° 17. Rain can up - 1.64		
			450.5		= 3° below Average.		

January * 1870.

Jan ^r	Baro. inches	Wind.	Thermom ^r 8 am	High	Weather, &c.	Notes.	Rain inches
S. 29.	30.20	NE ₀ SE ₂ SE ₁	18 1/2 19 37		Clear, & very severe frost, continued bright, but more wind after 12. Bright evening, and continued frost, yet rather less.	6 8 8 very severe.	
Su. 30.	18	SE ₁ SE ₂ S ₄	22 27 39 1/2		Very clear, and hard frost, but a fresh breeze checking radiation. & more wind in the afternoon, & evening. Fine night, with brisk wind, but less cold.		
M. 31.	29.84	SE ₄ SE ₆ SSE ₃	33 1/2 38 41		Hazy & blowing, and became overcast with little rain, & squally wind. Less wind at evening, foggy and nearly calm all night.	New moon 3.41 pm.	02
180	29		74	117 1/2	Mean 3 days 31° 91. Total rain 1.66		

Barometer.
Highest on the 18th - 30.67.
Lowest on the 8th - 29.14
Range - 1.53
Mean of month - 30.06
Gales on 2 days.

Thermometer.
Highest on the 8th - 50°
Lowest on the 29th - 18° 5'
Range - 31° 5'
Mean daily range 8° 54'
Mean of month 36° 91'
1 2/10 above Average.

Prevailing winds SW, and NE. - Wind days 19: Rainfall 1.66. Inch.

This month was at first mild, and rather wet, but after the 9th colder, finer, and some little frost; then from the 18th day with much sharp frost to the 30th, and great prevalence of bad Catarrhal disorders as Epidemic generally.

February 1870.

Feb.	Baro. meter	Wind.	Thermometer Lowest 8 am Highest	Weather, &c.	Notes.	Rain.
Tu. 1.	30.09	S 2. S 2. S 2.4	33 37 44	Very foggy till near 11 am, then became clearer, some sun, and low clouds; and the evening in part cloudy, and mild compared to previous days.	□ 40 Aurora Borealis 7 & 8 pm.	
W. 2.	29.87	S 5. S 4. S 4.	38 42 44	Overcast, squally and mild morning, blowing day, and cloudy, with very little sun, evening and night, rather clear, wind less, & very fine.		
Th. 3.	-85 -92	SE 2. SE 1. SE 1.	40 42 46	Grey clouds, mild & gentle wind, nearly the same all day, and chiefly quite clouded. Fine evening and night, but overcast and damp.		
F. 4.	-85 -80	SSE 1. SE 3. SE 3.	41 43 46	Cloudy, and mild, some flying drops of rain at times, and wind brisk. Stormy looking clouds at 5 pm. Fine evening and night.	□ 84	01
S. 5.	-82 30.03	SE 1. SE 2. SE 1.	39 42 46	Mild, with but little wind: little shower at 11 am, finer afternoon, sun at times, and a fine and serene evening. 8 night, slightly frosty.		03
Su. 6.	-72 -00	SE 2. SE 4. SE 5.	33 40 44	Fog, more or less, till near 12, cloudy afternoon, wind cold, and squally, and very blustering evening, some rain at times from 8 pm, & day night.	* ♀ 4	15
M. 7.	29.86 -77	SE 5. SE 4. SE 4.	39 41 42	Dark, wet, & blustering morning till 8, then very cold, blowing and cloudy, with very little sun. Very wet, evening, and part of the night.	* ♂ 7	70 22
418.85		26.3 31.3		Mean Temp 41° 14 Rain cal up 51		
		576		4° above Average.		

February 1870.

Feb.	Baro. meter	Wind.	Thermometer Lowest 8 am Highest	Weather, &c.	Notes.	Rain.
Tu. 8.	29.74	SE 4. ESE 4. E 4. E 3.	35 36 37	Overcast & drifting mist, dark and coarse day, snow, & rain at times, and more snow all the afternoon, and freezing all night.	moon 1 st 2 nd 6. 19 pm.	10
W. 9.	-91 30.07	E 1. E 2. E 1.	23 1/2 23 1/2 30	Sharp frost, and bright morning, bright day, and very keen air, wind very piercing. Clear, and severe evening, and night.	Sharp frost.	
Th. 10.	-77 -23	NE 1. NE 2. NE 2.	19 1/2 21 29 1/2	Severe frost and clear; chiefly bright all day, but some clouds, and very sharp air. Clear & calm evening, and very severe frost: wind rose after 8 pm.	Severe frost. more wind dur night.	
F. 11.	-37 -41	NE 1. NE 2. NE 2.	21 26 31	Some snow at times, severe frost, and bright intervals, but more cloudy & snowy in the afternoon. Fine evening and night, and severe frost as before.	Snow. very severe.	
S. 12.	-45 -37	E 3. NE 3. NE 3.	20 24 27 1/2	Very severe frost, and frequent falls of snow, with piercing wind. Heavy snow most of the afternoon and evening, blowing all night, and freezing hard.	very severe much snow.	
Su. 13.	-29 -18	NE 5. NE 6. NE 5.	23 27 28	Cloudy, little snow at times, & blowing and freezing hard, a piercing cold day as before. Evening and night overcast, & blowing a stiff blast.	very severe.	
M. 14.	-19 -23	NE 4. NE 4. NE 4.	25 31 32	Overcast, freezing, & blowing, the same all day. Very cold, and cheerless, but rather less severity of frost than previous: and the night fine.		
422.35		16.7 21.5		Mean Temp 27° 28! Rain cal over 0.61		
		382		Nearly 10° below Average.		

February 1870.

Feb.	Baro. meter	Wind.	Ther. 8 am	Highest	Weather, &c.	notes.	Rain 0.61
Tu. 15.	30.32	NE ₂ NE ₂ NE ₁	27 1/2	30 36	Gentler frost, less wind, and more sun. Day bright from 10 a.m. all day. Brilliant ☉ set, and clear frosty evening, and part of the night.	* H ☉	
W. 16.	-21 -13	NW ₁ N ₁ E ₁	27 33	37 1/2	Cloudy some snow at 8 a.m. afterwards cloudy more or less and little sun, with gentle thaw; and a cloudy evening. Little frost during night.	Full moon. 3.28 a.m.	0
Th. 17.	-18 -15	E ₂ NE ₃ NE ₂	30 32	33	Cloudy all day, and a keen wind, with return of frost. The Evening the same, and a fine frosty night, yet very cloudy throughout.		
F. 18.	-03 29.97	NW ₀ N ₀ NE ₀	28 31	34	Cloudy, & frost, and quite calm, continued cloudy all day, rather clearer in the evening, and very calm as before. Slighter frost at night.		
S. 19.	-97 30.09	N ₁ N ₁ N ₁	30 35 38		Some snow at 7 & 9 a.m., gentle thaw, chiefly cloudy, and some showers of rain & hail near noon: fine afternoon, and evening, & no frost.		02
Su. 20.	-14 29.99	NW ₁ W ₃ W ₄ S. 2.	32 34 42		Grey clouds, and sun, with brisk wind at times, and more in the Evening, but fine, and chiefly cloudy. Stormy after midnight.		
M. 21.	-74 -39	NW ₃ W ₅ NW ₄ NW ₄	30 32 36 1/2		Storm of hail 1 a.m., snow and sleet at times till 7; cloudy & blustering day: and squally Evng, with snow at times. Clear night, & sharper frost.	♂ ♀ ♂	0
420.81		2045.257		Mean Temp 32° 96.) Rain cald up 0.63			
		461.5		4.10° Below Average.			

February 1870.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Highest	Weather, &c.	notes.	Rain 0.63
Tu. 22.	29.77	NW ₃ NW ₂ NW ₁	23 27 36		Clear, & sharp frost returned. moon. last Pr. 6.46 p.m. Bright day with flying clouds, and very keen wind. Less wind in the Evng & fine with hazy clouds. Sharp frost at night.		
W. 23.	-90 -69 -60	SW ₃ SW ₂ SW ₂	24 33 41 1/2		Cloudy & hard frost early a.m., thawing after 9 a.m. all day, and chiefly cloudy, few rain drops, and a cloudy & thick Evening, and night, and no frost.		
Th. 24.	-53 -43	SW ₁ SW ₃ W ₂	34 1/2 37 46		Foggy mornng, clouds & sun from 10 a.m., and brisk wind, but milder. At 4 p.m., stormy clouds in NW, and wind veered W.		
F. 25.	-72 -65	SW ₁ S ₂ S ₁	26 1/2 31 42		Clear, & frost early, very bright, most of the day, but hazy after 2 p.m., and very thick from 4 p.m., all the Evening. Fine night.		
S. 26.	-51 -67	SW ₃ SW ₂ W ₁	33 37 47 1/2		Cloudy with sun, but chiefly bright from 12 to 3 p.m., & milder than of late. Evening serene & fine, and chiefly clear. Little frost during night.		
Su. 27.	-73 -66	SE ₁ S ₂ S ₂	31 38 49		Bright, with light clouds, and softer breeze, very pleasant after noon till 3, then hazy & thick, and continued so: fine night, and much milder.	mild & pleasant.	
M. 28.	-62 -69	S ₃ S ₂ SSW ₃	38 1/2 44 57		Light clouds and sun, and much milder; warm, bright, and pleasant afternoon. Mild breezes all evening, and night.	warm & very pleasant.	
415.17		2105.319		Mean Temp 37° 82.) Total rain 0.63.			
		529.5		Slightly above Average.			

Summary Notes on February, 1870.

Bareometer.	Thermometer.
Highest on the 12 th — 30.45	Highest on the 28 th — 57°
Lowest on the 24 th — 29.43	Lowest on the 10 th — 19.5
Range — 1.02	Range — 37.5
Mean of month 29.94	Mean daily range 9.28
	Mean of month 34° 8.
Gales on 2 Days. —	2 $\frac{2}{10}$ ° below Average. —

Prevalent winds — NE; SE; and S.
Rain-fall only 0.63 In. — Number of days fine 17.

This was a very cold month, and mostly severely so, beyond any February for 15 years past: and considerable snow in the middle of the month. It was however very notable, that the Mean Bareometer was unusually low all the last week, and yet we had no dawn-fall in that period of any kind! Public Health suffered much, chiefly from Bronchitis, and severe Rheumatic attacks. The Mortality however was not generally so great as the cold season led us to expect.

March 1870.

March.	Bareometer.	Wind.	Thermometer.	Weather, &c.	Notes.	Rain.
	metes		Lowest 8 am. Highest			
Tu. 1.	29.71	SSW ₄ 45		Cloudy, with mild breezes, some sun at times in the afternoon, warm and pleasant. Some rain at 8 pm, & during night.	Mild, and pleasant.	
	79	SSW ₂	49			
		SSW ₄	56 1/2			
W. 2.	72	S ₂ 50		Close, & little rain early. Fine and mild day, some sun, and grey electric clouds. Evening serene, & in part clear.	new moon 8.40 am. Pleasant day.	13
	72	S ₂	52			
		S ₁	57			
Th. 3.	62	NE ₁ 40		Very foggy, morning, and some fog at times in the day, with gleams of sun. Very foggy evening. Wind rose in the night.	□ 34	
	76	E ₁	44			
		NE ₂	49			
F. 4.	85	NE ₆ 35		Gale & rain, some hail also at times, afterwards snow, and which continued heavy all the afternoon till 5 pm. then much rain nearly all night.	Rain a.m. Snow p.m.	27
	98	NE ₃	38			9
		NE ₃	38			40
S. 5.	30.18	NE ₂ 32		Bright, and a bleak air, continued bright all day but blustering and cold. Riky clouds at sun-set, and less wind. Some fog in the night.	* 34 Floods on valleys	
	37	ENE ₄	35			
		ENE ₂	42 1/2			
Sa. 6.	42	NE ₁ 30		Fog early, then bright from 7 till 9, afterwards cloudy, & cold and misting afternoon, and overcast evening and night, but chiefly fine.		03
	47	NE ₂	34			
		NE ₁	41			
Al. 7.	46	NE ₁ 31		Cloudy more or less, very little sun, and a cold air. Overcast after 4 pm, and some misting at times. Finer night, but cloudy.	* 40 Δ 3 H	03
	24	N ₂	35			
		N ₂	43			
420.29			263 327	Mean Temp 42° 14.	Rain 2 over 0.86	
			590	Just the Average. —		

March 1870.

March	Baro meter	Wind.	Thermometer 8 ^{am} Highest	Weather, &c.	Notes.	Rain. 0.86
Tu. 8.	30.25	N ₃ . 36 NNE ₂ . 39 NE ₁ . 43		Cloudy more or less, and cold breeze, with a little sun at intervals. Evening chiefly cloudy & less wind; and the night fine.		
W. 9.	-22	NW ₂ . 37 NW ₃ . 41 NW ₂ . 45		Cloudy more or less, and a little rain at times, but some sun after 2 pm. Evening and night changeable, cloudy and again clear.		.04
Th. 10.	-11	NW ₃ . 35 NW ₄ . 39 NW ₂ . 45		Overcast, & rain in flying scud moon at times; little sun, but chiefly cloudy the rest of the day. Breezy & mild night.	1st Dr 1.12 pm	.03
F. 11.	29.74	NW ₃ . 38 NW ₆ . 40 NNW _{3.2.5} . 44		Mild but squally air, colder after 8 am, stormy with some rain after 9. Thin flying clouds, and sun, & much colder wind. Sleet & snow showers in the evening.		.02
S. 12.	-72	WNW ₃ . 30 NW ₄ . 30 NW ₄ . 38		Cloudy, little snow 7 am, cold squally day, sleet showers at a distance, but fine & chiefly bright here. Fine and frosty evening and night; less wind.	♂♂♂ ♀♀♀	
Su. 13.	-70	NW ₁ . 27 NE ₂ . 32 NE ₁ . 41		Bright & frosty morn'g, and a very fine and bright day, some small clouds, & cold air. Clear sunset. & Evening the same.	* ♀ ♀	
Mo. 14.	30.12	W ₁ . 24 SW ₂ . 31 SW ₁ . 45		Clear, & keen frost, a m.; very fine sunny day, few clouds, and a little haze in the afternoon. Sun set in bars of purple cloud. Fine night, and little frost.	* 24 H	
41997	2273015	Mean Temp 37.75.) Rain cal up 0.95				

528.5 = 42° below Average.

March 1870.

March	Baro meter	Wind.	Thermometer 8 ^{am} Highest	Weather, &c.	Notes.	Rain. 0.95
Tu. 15.	30.10	S ₁ . 31 S _{5.3} . 37 S ₂ . 45		Hazy and blowing, raw and chilly, although from S; but less wind & more sun after 1 pm. Mottled clouds in the evening, and hazy sky, some rain during night.		
W. 16.	-73	S ₃ . 37 SW ₂ . 43 SW ₂ . 54		Rain at times, from 2 am, & till 9 am, then fine, and clearer in the afternoon: mild and pleasant. Even'g cloudy. Fine and mild night.		.27
Th. 17.	-79	W ₂ . 45 W ₂ . 48 NW ₁ . 54		Rain from 6 1/2 to 8 am, and at times in the afternoon; but chiefly cloudy and close. The Evening the same, and little rain during night.	Full moon 1.52 pm.	.15
F. 18.	30.12	NE ₁ . 43 NE ₂ . 43 NE ₁ . 47		Overcast and foggy morning, clearer after 10 am, but cloudy more or less, and the evening also, and again colder, but a fine night.		.04
S. 19.	-47	NE ₁ . 34 NE ₁ . 36 ENE. 46		Cloudy morn'g, but soon clear, with light clouds & sun. Very bright afternoon & Evening and clear sunset. Fine and chiefly a clear night.	□ H	
Su. 20.	-50	W ₁ . 32 SW ₂ . 35 SW ₂ . 49		Bright with some small clouds and a little haze: more hazy after 3 pm, and very thick and close all the evening, and night, & rather foggy.	□ ♂ H Equinox.	
Mo. 21.	-31	W ₁ . 44 W ₂ . 46 W ₁ . 52		Cloudy more or less, and little sun at times. Very pleasant and calm afternoon, closer evening, & little rain after 6 pm and more after midnight.		.02
42203	266347	Mean Temp 43.78.) Rain cal over 1.43				

613 = 1 3/4 Above Average.

March 1870.

March	Baro. inches	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Notes.	Rain inches
Tu. 22.	29.97 -88	SW ₃ SW ₄ NE ₂	44 47 49½	Much rain early a.m., but for a short time only & equally during the day; rain at times, wind veered & colder after 1 p.m. & snow.	Rain AM. Snow PM.	.25 .12
W. 23.	30.02 -83	NW ₄ NW ₅ NW ₃	25 30 39	Clear, sharp wind frost blowing and piercing day but chiefly sun, & distant hail showers. Wind less in the even. g. but brisk all night. Some frost.	Great fall of temperature.	
Th. 24.	29.91 -93	NW ₃ NW ₃ NW ₂	29½ 35 44	Cloudy, cold breeze, more sun after 10 a.m., hail showers and bright intervals. Fine evening, and wind much less. Frosty night.	moon last Dr. 4.37 a.m. hail.	
F. 25.	-85 -84	WNW ₁ NW ₂ SW ₁	26 32 43	Keen frost, early, fog from 9 till 10 a.m.; then bright at times, rocky clouds, and a little hail & snow alternate. Some frost at night.	* ♀ H Hail and snow.	
S. 26.	-86 30.10	NE ₁ NE ₂ NE ₂	28 34 40	Heavy snow early AM, and till near 8 a.m., then clouds and sun, with a thaw, and the evening cloudy. Night the same, but chiefly fine. Snow all gone.	Δ ♀ H Much snow. AM. Snow all melted.	
Su. 27.	-30 -40	N ₂ NE ₁ NE ₁	33½ 36 39½	Cloudy, little rain & sleet at times, but mostly fine, although gloomy and cold, grey & loftier clouds in the evening. Fine & cloudy night.	* ♀ 4	.02
M. 28.	-48 -52	NE ₁ NE ₁ NE ₁	32½ 35 38	Cloudy, gloomy and very cold, with a little sleet at times. The evening the same, but finer, and a calm & cloudy night.		
421.09 2185.293 (Mean Temp 36°.53.) Rain cal up 1.82 511.5 = 5½ below Average.						

March 1870.

March	Baro. inches	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Notes.	Rain inches
Tu. 29.	30.47 -43	NNE ₂ NE ₃ NE ₂	33 36 44	Cold and cloudy morning. Clearer after 10, and some sun at times; chiefly bright in the P.M., & more wind till 3, afterwards less.		
W. 30.	-34 -34	NE ₂ NE ₂ NE ₁	32 37 43	Cloudy more or less, and a cold air, with but little sun, but clearer in the close of the day, and nearly calm.		
Th. 31.	-35 -33	NE ₁ ENE ₁ SE ₁	28 37 50	Clear, frosty a.m., continued very fine & chiefly bright, with small clouds, being serene, grey clouds, and mild air.		
182.26 93137 Mean Temp 3 days 38.6 Total Rain 1.82						

Barometer.

Highest on the 19th 30.52
Lowest on the 3rd 29.62
range 0.90

Mean of Month 30.09.

Gales on 2 Days.

Thermometer.

Highest on the 2nd 57°
Lowest on the 14th 24°
Range 33°

Mean daily range = 10° 64.

Mean of Month 39° 87.

Nearly 2¼° below Average.

Prevailing winds the NE, and NW. Fine days 19.

Rain-fall 1.82 Inch only.

This was altogether, a cold, cheerless, and ungenial month yet no very severe frost; but so gloomy, and chilling as to keep back vegetation, and to cause much sickness, and many deaths beyond ordinary.

APRIL 1870.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. Highest	Weather, &c.	Notes.	Rain.
F. 1.	30.32 -29	E ₁ SE ₂ SE ₀	31 41 53		Little frost early, fog till 9, new moon then bright and warm sun, 1.58 am. with a cool breeze. Clear evening and brilliant sunset. The night very clear & frost. □ ♀ h		
S. 2.	-32 -41	Var. ₀ SE ₁ SE ₁	25 45 58		Keen frost early, very bright, & warm sun all day, but still a cool air. Cloudy after 4 pm, and a closer evening, with a curdled sky. — Fine night.		
Su. 3.	-48 -54	NE ₂ ENE ₃ E ₁	35 40 52½		Thick fog till near 10 am, then clearer, very bright, but a keen wind; less wind after 2 pm, brilliant sunset, and very clear evening. — Cold night.		
M. 4.	-57 -58	E ₁ E ₂ E ₁	29 46 55		Fog early & till near 8 am, then very bright, and parching all day; — and a brilliant evening, and sunset. — Some fog in the night.		
Tu. 5.	-48 -38	SE ₁ SE ₂ SE ₁	31 46 61		Fog early, & frozen on the trees, became bright after 9, and a bright and warm day. Very parching weather. and the evening clear, and pure golden sunset.		
W. 6.	-25 -15	Var. ₀ SE ₁ S ₁ SSW ₁	26 50 63		Keen frost early, very bright and warm day, and much warmer after 1 pm; lightly hazy from 4 pm, and sun set very red. — Clear and calm night.		
Th. 7.	-12 -02	SW ₁ W ₂ SW ₁	32 53 63½		Very fine & bright, with a fresh breeze, at times, and some electric cumuli. P.M. Rather hazy & closer evening. Wrennest piping. & butterflies came out.		
424.91		209.406		Mean Temp 43°.9.) Rain cal-up 0" = 615 = 2½° below Average. —			

APRIL 1870.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. Highest	Weather, &c.	Notes.	Rain none yet.
F. 8.	29.88 -74	S ₁ S _{3.5} S ₂	39 55 67		Hazy & electric but bright, and very warm, the wind squally driving the dust on the roads. Very electric clouds all the evening; fine & warm night. □ H ○ ♂ ♀ ♂		
S. 9.	-67 -61	S ₁ SSE ₄ SW ₂ SW ₁	45 51 53		Some rain at times between 8 and 12, then finer, little sun but squally & a shower at 4 pm afterwards more serene & fine. Night chiefly clear. moon 1st Dr 4.25 am. ♂ ♀ ○	12 05	
Su. 10.	-80 -93	SW ₃ WSW ₄ SW ₁	39 49 53		Flying clouds & sun, with squally wind. Hasty showers of rain, and some hail, at 1 & 2 pm. Distant Thunder at 4.4 pm, and heavy storms, sharp lightning & thunder here at 5. Thunder P.M.	14 15	
M. 11.	30.12 -22	W ₂ W ₂ W ₀	37 49 55		gray clouds, and sun, but some rocky & darker clouds at times. Brighter after 2 pm, and the evening calm, and pleasant, and a very fine night. □ ♀ H		
Tu. 12.	-24 -22	W ₁ WSW ₂ WSW ₂ S ₁	42 52 59		Light clouds and sun, a fresh breeze at times after 11 am, the afternoon mostly bright. Rather hazy in the evening, and cloudy night, but very fine.		
W. 13.	-24 -27	SW ₂ W ₂ W ₁	43 53 60		Clouds & little sun, mild with few rain-drops at times; but a very fine & pleasant afternoon and evening, very little wind. A short heavy shower at 9½ pm. ♂ ♀ ○	12	
Th. 14.	-26 -38	SW ₂ NW ₂ NW ₁ SE ₁	47 54 59		Bright morn'g, but soon cloudy & so till noon more or less, the afternoon brighter at times; Cloudy. Even'g, and wind veered to Eastward, & to S.E.		
420.58		292.406		Mean Temp 49°.85.) Rain cal-over 0.58 698 = 3¾° above Average. —			

APRIL 1870.

April.	Baro. inches	Wind.	Thermom. 9 am Highest.	Weather, &c.	Notes.	Rain. 0.58
Good Friday. Ap ^l 15.	30.40 -45	NW ₃ NW ₂ NW ₁	42 52 61	Cloudy with sun; less cloudy & more sun after 12, fine and pleasant. Even ^g slightly hazy, but bright & serene. Clear night.	Full moon 10.26 pm. □ 8 H	
S. 16.	-52 -55	W ₂ WNW ₂ W ₁ SE ₁	36 55 68	Quite clear, dewy morning, very bright, and the whole day very fine, clear, & hot. Afternoon, & splendid even ^g . colder in the night.	△ 8 H	
Easter Su. 17.	-52 -48	E ₂ ESE ₂ E ₂ E ₂	36 54 62	Clear, very bright all day, but a cool breeze. The even ^g ing cold, and became cloudy after sunset. Cloudy all night, and less cold.	Cuckoo heard.	
M. 18.	-40 -30	E ₂ E ₂ E ₁	42 47 53	Cloudy more or less, but a little sun at times after 3 pm, and a cool breeze. Even ^g bright, and sun set clear.		
Tu. 19.	-20 -13	E ₂ SE ₂ SE ₁	36 58 66	Bright & dewy morn ^g , continued bright, and warm, but more wind in the mid ^d le of the day. Bright even ^g & less wind.	Cuckoo more tuneful.	
W. 20.	-13 -14	SE ₁ SE ₂ SE ₁	44 66 76	Bright and hot and a real summer day, wind fresh at times. Hazy in the even ^g , very fine night, and a growing air.	△ 8 H Nightingale & Cuckoo in full song.	
Th. 21.	-21 -26	W ₂ SW ₁ SSE ₃ S ₁	46 64 75	Bright and very hot, very gentle wind at times, but at 3 pm, gusty from SSE. but again gentle afterwards. Splendid even ^g .		
424.69		28234615		Mean Temp 53° 14. Rain cal ^d up 58.		
		744		7° above Average.		

APRIL 1870.

April.	Baro. inches	Wind.	Thermom. 9 am Highest.	Weather, &c.	Notes.	Rain. 0.58
F. 22.	30.39 -28	SW ₂ SW _{2.3} SSW ₁	40 61 70	Bright and lovely morn ^g , continued chiefly very bright with light clouds & light haze, but hot all the midday. Hazy & close even ^g , & bright.	moon last 2. 4.25 pm	
S. 23.	-39 -43	W ₂ W ₃ W ₂	47 55 62	Gentle rain at 4 & 5 am, a bright and fine day, but a cooler air. Even ^g & night hazy & some clouds, but very fine.		09
Su. 24.	-45 -41	W ₂ W ₄ W ₂	42 52 61	Hazy & cloudy morn ^g ; cleared after 9; clouds and sun, & wind brisk at times. Less wind in the evening, and clearer sky. Night breezy.	△ 8 H	
M. 25.	-43 -41	W ₃ W ₂ SW ₁	50 56 64	Warm breezes, grey clouds, and sun at times, fine and pleasant day; and the even ^g ing more so, less wind and slightly hazy.	* 8 H	
Tu. 26.	-25 -12	SW ₂ W ₃ SW ₄ W ₂	42 54 63	Clouds and sun, with cool and brisk wind at times, heavier clouds after 3 pm, and wind rather squally, followed by rain from till 8 pm. Fine night.	* 8 H	12
W. 27.	-11 -22	NW ₃ NNW ₄ NW ₂	38 49 51	Cold squalls of wind, with flying rain, sleet, & hail at times, and sun between. Even ^g more settled, but chiefly cloudy. Fine night.		05
Th. 28.	-17 -14	NW ₃ NW ₄ NW ₂	38 44 48	Cloudy and cold, with lit ^{tle} the sun, & flying showers of hail and sleet. Less wind at even ^g , but an unsettled state of sky.	△ 8 H	02
424.20		297419		Mean Temp 51° 14. Rain cal ^d over 86.		
		716		5° above Average.		

APRIL 1870.

April.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. Highest	Weather, &c.	Notes.	Rain.
F. 29.	30.05	NW ₁	32		Rain at times from 5 a.m., the day chiefly fine, but many clouds.		07
		NW ₂	42		but the rain ceased at 7 a.m.		
	29.92	WSW ₃	52		Little sun, soon after 1 p.m. — Overcast. Eveng, and rain		72
S. 30.	-81	W ₂	41		Cloudy more or less, close and gloomy at times, but warmer than just previous. Evening clearer, but a stormy looking sky at night.	new moon 6.37 pm.	
	-68	W ₃	54			8 & 4	
		SW ₁	58				
	119.46		73.5	110	Mean Temp 2 days 45.87	Rain -	1.05

Barometer.

Highest on the 4th — 30.58

Lowest on the 9th — 29.61

Range — 0.97

Mean of Month — 30.23

No gales this Month.

Thermometer

Highest on the 20th — 76.5

Lowest on the 2nd — 25.0

Range — 51.5

Mean daily range — 20.58

Mean of Month — 49.275

3.4° above Average.

Prevailing winds W. SW. NW. and S.E.

Fine days 22; Rain-fall 1.05 Inch.

This was a dry month, and excepting some cold mornings in the first week, and a few cold days near the end, it was warm and genial for vegetation. The third week was at times hot and summerlike, which hastened on many of the trees, and young crops, but Public health was indifferent. Many deaths among the aged, and the Consumption of earlier years.

MAY 1870.

May.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. Highest	Weather, &c.	Notes.	Rain.
Su. 1.	29.60	W ₅	42		Squalls of wind and rain at 3 a.m. Flying showers & hail in the day. Sun between.	Distant Thunder	17
		W ₄	52		Finer Eveng, but many clouds, and stormy looking.		04
	-62	W ₂	57				
M. 2.	-82	NW ₃	40		Cloudy with sun, light rain at times; and some heavy storms of hail with rain, and sun between. Fine night, and less wind.		05
	3003	NNW ₃	47				
		NNW ₂	50				
Tu. 3.	-02	NW ₃	34		Cloudy, cold breeze, and flying showers with hail, in the forenoon. afterwards fine, and chiefly bright, but a very cool air.		02
	-10	NW ₃	46				
		NW ₁	53				
W. 4.	-22	NW ₂	32		Cold and cloudy morning chiefly so till 2 pm, then rather clearer, and a little sun at times. The Evening chiefly bright, but cold.	□ ♀ 4	
	-32	NW ₃	46				
		NW ₁	52				
Th. 5.	-30	W ₁	39		Hazy morning, and more or less cloudy in the day, little sun at times. The Evening and night clearer, and day fine, but cold.		
	-32	NW ₂	51				
		NW ₂	56				
F. 6.	-35	NW ₁	35		Cloudy after sun-rise. clearer after 9 a.m., clouds & sun, fine day, but still cool. The Evening mostly bright, but the night chiefly cloudy.	* ♀ 4	
	-37	NW ₂	52				
		NW ₁	59				
S. 7.	-39	NNE ₃	39		Cloudy more or less till 2 pm, then bright at times. And the Evening very bright with a few small clouds only.	Nightingale & cuckoo extra musical at 2 & 3 a.m.	
	-42	N ₂	50				
		NE ₁	56				
	421.88		261	383	Mean Temp 46.0. —	Rain cal. over	0.28

6.44 — 6° below Average.

MAY 1870.

May	Baro- meter	Wind.	Thermom't Lowest. 9 am. Highest.	Weather, &c.	Notes.	Rain. 0.28
Su. 8.	30.42 -41	NE ₁ NE ₂ E ₁	37 50 56	Cloudy till after 2 pm, then moon 1 st & bright at times, with some lighter clouds, and the evening bright & tranquil, and partially frosty night.	3.38 pm.	
M. 9.	-32 -23	NE ₁ E ₂ E ₁	32½ 54 62½	Clear at first, light clouds and sun, & much warmer, after 8 am, very bright. Evening some fog during the night.	* 11.0	
Tu. 10.	-11 -01	E ₁ SE ₁ SE ₁	35 55 58	Fog early, bright from 6 am with grey clouds, but more cloudy after 12, and chiefly half clouded the rest of the day. — Brighter at 0 set.		
W. 11.	29.86 -57	SE ₁ SE ₂ SSE ₂	32 50 57	Frosty morn'g early, hazy, and cloudy after 8 am, distant thunder and hazy all day, gentle rain from 5 pm, and all the evening.	Thunder Raining evening.	27
Th. 12.	-61 -64	SSW ₂ SW ₆ SW ₂	46 57 62	Flying clouds, and sun, with a blustering wind at times, but a warm growing air; low wind in the evening, but a breeze all night.		
F. 13.	-79 -72	SW ₂ S ₆ S ₆ SW ₂	46 61 64	Much warmer, and mostly bright till 12, then cloudy and heavy gales from S. with rain at times & fine after 4 pm, and clearing up: fine night, but cloudy.		17
S. 14.	-90 30.07 41.965	SW ₃ SW ₄ SW ₂	45 58 64	Cloudy, but afterwards clearer, brisk wind, flying clouds, and sun; showery at 1 pm, then fine and sun at times. — Sun set clear.		05
27354235				Mean Temp 49.77	Rain cald up 0.77	
697				2¼° below Average.		

MAY 1870.

May.	Baro. meter	Wind.	Thermom. Lowest. 9 am. Highest.	Weather, &c.	Notes.	Rain.
						.77
Su. 15.	30.13 -04	SW ₁ 43 SW ₂ 57 S ₁ 65		Fog early, bright after 7 am, continued at times bright, & rocky clouds. Very electric & stormy looking sky. Fine & mild night till after 12.	Full moon 6.3 am.	
M. 16.	29.94 30.02	S ₁ 49 SW ₁ 59 WSW ₁ 65½		Rain at 3 & 4 am, cloudy, and close morn'g. Warm day, and at times bright, nearly calm & very pleasant till the storm. Evening bright and warm.	Heavy storm of rain 2½ pm.	Thunder 73 30 02
Tu. 17.	-23 -31	SW ₂ 40½ SW ₃ 59 SW ₂ 66		Bright and dewy morn'g, and a bright and warm forenoon, more hazy after 12, and more clouds, but again chiefly bright & a pleasant afternoon. Fine and warm night.		
W. 18.	-38 -35	SW ₂ 47 SW ₂ 63 SW ₁ 73		Very bright, warm, and lovely morn'g, hot and clear day, with a fresh breeze. Splendid Evening quite clear, and sunset in full glory. Serene night.	very hot.	
Th. 19.	-35 -23	SW ₂ 48 SW ₂ 67 SW ₀ 76		Bright and very hot, scarcely a cloud, but a brisk air at times. Pale haze after 3 pm. Calm sultry Even'g, and fine & warm night.	1 pm 75° 2 pm 76°	
F. 20.	-25 -27	SW ₁ 51 SW ₂ 68 SW ₁ 78		Electric light clouds, but bright, and very hot, the afternoon extremely bright. More hazy in the even'g, and sultry air. - as was the night also.	78° from 2 to 3½ pm. 7 pm 72°	
S. 21.	-26 -23	SW ₁ 58 SW ₁ 73 S ₁ 82		Bright, and oppressive heat from early hours, and so all day, Even'g quite clear, and sun set in golden splendour. Distant lightning, Eastward.	Hawthorn flowers 76° at 10 am. 79° at 11½. 82 - 2 pm. 72 - 7 pm.	
422.99				33655055	Mean Temp 60.14.	Rain cald over 1.22
842				= 8 deg above Average! -		

MAY 1870.

May.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather, &c.	Notes	Rain 1.22
Su. 22.	30.12 -17	SW ₁ W _{2.3} W _{2.}	55 75 80	Distant Thunder-clouds in S.E. from 6 to 7 am. Very bright, & extremely hot all day; but a fresh breeze after 12, and a great fall of temperature in the evening, & clouds from N.	moon last 2 ^o 6.9 a.m.	
M. 23.	-35 -42	NE ₁ NE ₁ SE ₁	47 54 64	Cloudy morn'g, but very fine and clearer after 10 am. calm, pleasant, & temperate day. Grey hazes all the evening sun red through it.		
Tu. 24.	-42 -34	SW ₂ SW ₂ W _{2.}	42 62 74	Fog early, bright from 6 am. very fine and hot, with some light clouds. More clouds & very close air after 4 pm. fine night, & soft breeze.	* ♂ ♀	
W. 25.	-42 -52	NW ₂ N ₃ N ₂	47 60 64	Bright all day, a few light clouds, but a brisk and very cool wind. Very clear evening, & strong twilight.	♂ 40 □ ♀ 48	
Th. 26.	-51 -45	NW ₁ Var. SE ₂	40 60 71	Clear & heavy dew, bright all day, and hot in the afternoon. Sudden gust and change of wind to S.E. 3 pm. serene & pleasant evening.		
F. 27.	-42 -32	NE ₁ ENE ₁ ENE ₁	50 58 65½	Grey clouds & sun, pleasant morn'g, but a cooler breeze after 9 am. Chiefly bright after 11, and the evening very clear, but cool.	* ♂ H	
S. 28.	-31 -29	E ₁ E ₂ SE ₁	40 61 68	Clear & heavy dew, very fine, bright and warm day, with some light clouds, and a gentle air. Hazy & red sky in the evening. Fine night.		
42506 3214865 Mean Temp 57° 67. Rain cal up 1.22						

807 = 5½° above Averages.

MAY 1870.

May.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather, &c.	Notes	Rain 1.22
Su. 29.	30.23 -15	SE _½ SE _½ SE ₁ 80.	43 64 76	Fog till 8, then bright & hot, with electric clouds, & nearly calm. Very close afternoon, & brilliant evening. Some easy clouds at sun-set, and the night very fine.		
M. 30.	-11 29.91	SW ₁ SSW ₂ S ₃	52 65 73½	Hazy & electric morn'g bright & hot new moon after 9, with some clouds. Showers 9:57 am. in S. 6 pm. & a few drops here. but cleared off to a fine night and not much cloud.	Distant Thunder S. - 8 pm	
Tu. 31.	-90 -88	SW ₃ SW ₅ SW ₃	57 61 67½	Flying clouds with sun, and a blustering wind at times. Less in the evening, but very breezy during night, & soft air.		
18018 146217 Mean these 3 days 60.5. - Total rain 1.22						

Barometer.

Highest on the 25th - 30.52
Lowest on the 11th - 29.57
Range - 0.95
Mean of Month - 30.15.

2 gales in this month. -

Thermometer.

Highest on the 21st - 82°
Lowest on the 4th & 11th - 32° -
Range - 50°
Mean daily range = 21° 53
Mean of Month = 54° 08
2° above Averages.

Prevalent wind S.W. Fine days 24.
Rainfall 1.22 Inch.

This was a very dry month, and variable in Temperature, but some very hot days during the latter half. Catarrhal affections and Rheumatism were prevalent. Vegetation requiring rain to throw up stems and bask of clover and grass for the May-time. - Wheat & barley look well except on light soil.

JUNE 1870.

June.	Baro. meter	Wind.	Thermometer 9 ^{am} Highest.	Weather &c.	Notes.	Rain.
W. 1.	29.90 -89	W ₃ WSW ₄ W ₃ W ₁	51 63 69	Bright, with fresh breeze, and flying clouds. More clouded after 3 pm, but very fine, and less wind in the evening.	Δ ♀ 7	
Th. 2.	30.06 -75	NW ₁ NW ₁ SE ₂	49 62 72	Clouds and sun, but very fine and hot, the afternoon chiefly bright. Some fog came on after sunset. Close & foggy night.	wind veered 3 1/2 pm.	
F. 3.	-19 -33	NE ₁ NE ₂ SE ₁	51 55 64	Fog all the morning, and cloudy till noon, afterwards sun at times. The evening very clear and serene, and wind veered again to SE.		
S. 4.	-45 -48	SE ₁ SE ₁ SE ₁	42 55 63	Hazy & cloudy more or less, all day, and a few rain drops, but chiefly fine, and little sun at 1 & 2 pm. - Close and hazy evening and night.		
Su. 5. Whitsunday	-53 -62	NE ₁ NE ₂ NE ₂	53 59 67	Close and cloudy morning, clearer after 10, bright from 11 all day but a cooling breeze in the afternoon. Clear evening and part of night.		
M. 6.	-62 -57	NE ₁ NE ₂ NE ₂	46 57 70	Fog till 8 am, afterwards very bright, and hot, yet a cooling breeze at times. Evening clear, clouds during night.	moon 1 st 2 nd 11.16 pm.	
Tu. 7.	-57 -49	NE ₂ NE ₂ NE ₁	46 59 71	Cloudy till after 9 am, then became bright, and hot, with electric curdled clouds. P.M. and evening cloudy, with mottled clouds.		
42485			338 476	Mean Temp 58° 14. Rain cal. up 0. -		
			814	About the Average.		

JUNE 1870.

June.	Baro. meter	Wind.	Thermometer 9 ^{am} Highest.	Weather &c.	Notes.	Rain 0. -
W. 8.	30.34 -20	NW ₂ NW ₁ Var ₀	47 63 70	Bright all day, and hot sun, but a moderating cool breeze. Calm evening, and quite clear, but at sunset - electric clouds in W. serrated. cirrostrati.		
Th. 9.	-02 29.89	NW ₃ W ₂ W ₂	52 65 71 1/2	Cloudy & close morning, a brisk but warm breeze, brighter after 8 am. Close day, with some haze & mixed clouds, but mostly sun. Clear evening and rosy sky.		
F. 10.	-83 -85	W ₂ W ₂ W ₂	46 60 62	Clouds and sun, with a brisk and cool breeze. - More clouded in the afternoon & very hazy and thick. - Evening in part clearer and fine night.		
S. 11.	-89 -95	SW ₃ WSW ₅ WSW ₃	49 64 70	Flying clouds & sun, with a warm breeze. more clouds, and blustering wind from 1 pm, lowering evening and rain at 7 & 8 pm.		12
Su. 12.	30.20 -24	SE ₁ SW ₁ SW ₀	51 56 64	Light rain 5 am, and again at times from 8 to 9 am: close, and cloudy the rest of the day, but fine, and after 3 pm, more close than before, and so all night.		20
M. 13.	-27 -23	SW ₁ SW ₁ SW ₁	53 1/2 67 78	Light Electric clouds, but bright, and very hot. No cloud what. 1. 47 pm. ever from 10 am, all day, and a very hot & brilliant evening. - some electric clouds in W. 9 pm.	Full moon.	
Tu. 14.	-23 -25	W ₁ SW ₁ SW ₂ & 1.	51 70 78	Very bright - and very hot, with a few very light clouds at times. Very bright and hot Evening. Fine night, and little haze on all the horizon.		
42139			34954935	Mean Temp 60° 21. - Rain cal. over 0.32		
			843	2° above Average.		

JUNE 1870.

June	Baro. meter	Wind.	Thermom. Lowest. 9 am. Highest.	Weather, &c.	Notes.	Rain. 0.32
W. 15.	30.28 -25	W ₁ . SW ₁ . S ₂ . SSE ₁ .	50 73 80	Very bright, and very hot, a few light clouds in the mid- dle of the day, but quite clear again to sunset, and a fine and serene night.	10 am 76° 11 am 78° 2 pm 80° 7 pm 73°	
Th. 16.	-22 -10	SSW ₁ . S ₂ . SE ₂ . SE ₁ .	53 75 83	Very sultry & electric, but chiefly bright, & extremely hot. Evening hazy, much lightning all night, some thunder at 11, little shower & wind from various points.	8 1/2 11 am 81° 2 pm 83°	03
F. 17.	29.95 30.06	SE ₁ . SW ₃ . SW ₁ .	61 64 71	Very electric & sultry, followed by a smart shower at 10 am, af- terwards chiefly fine, sun at times, but thunder at a distance. Fine night & lightly cloudy.		18
S. 18.	-15 -22	SW ₂ . SW ₂ . SW ₁ .	52 60 70	Cloudy with sun, and an elec- tric blue haze. Close and sul- try afternoon. Evening brighter and very warm. Fine and serene night.		
Su. 19.	-32 -30	SSW ₁ . SW ₂ . SW ₁ . S ₂ .	55 73 80	Bright & splendid morning, extremely hot all day, and chiefly very bright, with a blue haze. P.M. - Beds of cirro in west at 10. Sultry night.	10 1/2 AM. 77° and stood at 80° for 2 hrs. pm. & 73 at 8.	
M. 20.	-30 -41	W ₁ . W ₂ . W ₁ .	58 69 77 1/2	Light grey clouds & 2 parhelia at 5 am; fine & very hot day clouds and sun. The eve- ning very bright, and sun set in full splendour.	11 noon last 2r 9.34 pm.	
Tu. 21.	-47 -44	W ₁ . W ₁ . SE ₁ .	50 75 1/2 82	Clear & dewy morning, very bright, and extremely hot till noon, afterwards some clouds, and very sultry P.M. Evening again bright.	11 am 79° at 12. - 82°	
42347				379544	Mean Temp 65.92. Rain cal up 53	

923 = 7.92 Above Average!
or nearly 8° above average!

JUNE 1870.

June	Baro. meter	Wind.	Thermom. Lowest. 9 am. Highest.	Weather, &c.	Notes.	Rain 0.53
W. 22.	30.40 -34	SSE ₁ . SSE ₁ . SSE ₀ .	57 72 85	Sultry morning, & grey clouds till after 9; then bright & extremely hot. Some rocky clouds at 3 pm. and the evening hazy & oppressive with signs of change.	11 am 82° at 12. 83° 2 pm 85° 5 pm 81° 7 1/4 pm 75°	
Th. 23.	-33 -30	NW ₂ . N ₃ . NW ₁ .	61 64 69	Cloudy morning, cooler breeze, clearer after 8, fine & bright but cooler. Evening rather hazy and arcs of cloud diverging from W.	* ♀ H	
F. 24.	-20 29.98	NE ₁ . W ₁ . SW ₁ . NW ₃ .	48 55 58	Cloudy and much cooler, gentle rain from 11 am to 2 pm; and heavy thunder storms at 4 and 7 pm. Stormy sky all night but finer than before.	Thunder Storms.	18 40
S. 25.	30.08 -20	NW ₂ . NW ₃ . NW ₁ .	49 59 63	Clouds and sun, with a cool breeze, but chiefly fine. The evening in part cloudy, & less wind, serene and plea- sant, and the night fine.		
Su. 26.	-13 -04	W ₂ . W ₃ . W ₁ .	52 59 63	Cloudy morning, and more or less so all day, and rain from 3 pm, till after 5. Then finer but cloudy. Rain at times during the night.		20
M. 27.	-04 -12	NW ₃ . NW ₂ . NW ₁ .	53 61 64	Gentle rain early A.M. and gentle showers at 8 & 9 A.M. also some in the afternoon, but at times bright. The evening cloudy but fine.	♂ ♂ 4	24 03
Tu. 28.	-22 -15	NW ₂ . NW ₁ . NE ₁ .	50 63 68	Bright with light clouds, new moon and a gentle breeze at times. Cloudy evening, and wind to NE. at 7 pm. - Fine night and soft temperatures.	11.33 pm.	
42253				370470	Mean Temp 60. - Rain cal over 158	

840 = 3° above Average.

JUNE 1870.

June.	Baro. meter	Wind.	Thermom. Lowest 9 am	High am	Weather, &c.	Notes.	Rain.
W. 29.	30.17	NW ₂	53		Bright, with some clouds, more cloudy all the middle of the day, but fine and pleasant. Evening very close, calm, & sultry with blue haze. - Cloudy night.		1.58
	-20	NW ₁ W ₀		66			
Th. 30.	-13	Var. o.	55		Gently rainy from 5 to 8 am; and at times through the day, but after 5 pm, became fine, & clearer.		26
	-16	SE ₁ SE ₀		57	Calm and hazy evening after 7.		
				58	but a fine night.		
120.66			108	126	Mean 2 days 58.5	Total rain	1.84

Barometer.

Highest on the 5th & 6th - 30.62

Lowest on the 10th - 29.83

Range..... 0.79

Mean of month..... 30.21

One gale on the 11th day.

Thermometer.

Highest on the 22nd - 85°

Lowest on the 4th am - 42°

Range..... 43°

Mean daily range... 19.16

Mean of month..... 60.9

2.9 - above Average.

Prevailing winds S.W. and W. - Fine days 22;
and the rain-fall 1.84 Inch.

This was a very fine, dry, and hot month to the 24th day, then showery and cooler, but highly salutary after the previous long drought, for all vegetation.

The clover and Hay-crops were light, but well got up, before the 24th in most cases. - Public health generally good during the month.

July * 1870.

July.	Baro. meter	Wind.	Thermom. Min. 9 am	Max. 2 pm	Weather, &c.	Notes.	Rain.
F. 1.	30.11	W ₃ W ₂ W ₁	50	59	Clouds and sun, with a brisk wind. Showery at noon, and during afternoon. Much Thunder in N. and some S.E. Thunder. Hazy and cool night.		22
	-13			67			
S. 2.	-07	W ₂ W ₂ W ₂	46	58	Cloudy more or less, till 4 pm, then clearer, and some sun, but again chiefly cloudy in the evening: and close and hazy night.		
	-05			63			
Su. 3.	-03	W ₂ W ₁ W ₁	53	58	Thick blue haze all the morning, and mostly cloudy in the day, but some gleams of sun during the afternoon. Evening & night cloudy.		
	-03			64			
M. 4.	29.93	SW ₁ SW ₂ WSW ₂	54	60	Steady rain from 4 1/2 am, till after 8 am, sultry day, with clouds, & sun. Very hot after noon, and the evening and night very close.		34
	-96			74			
Tu. 5.	30.06	SW ₂ SW ₃ SW ₀	62	69	Sultry breeze & hot sun with flying clouds, light shower at 11 1/2 am, cloudy P.M. Very wet. Evening from 6 1/2 pm to 9 pm. Some rain also in the night.		03
	-02			71			40
W. 6.	-03	W ₁ WSW ₂ W ₁	58	60	Rain at times till 9 am. then cleared off, and very bright & warm day, and a very fine sunny evening, and serene night.	moon 1 st 2 nd 4.30 am. 8 & 9	39
	-14			70			
Th. 7.	-22	SW ₁ SW ₀ SSE ₂	55	72	Bright, serene, and very hot, some clouds about 11, & afterwards, more electric, evening clear, and sun set in full glory.		
	-24			75			
421.02			378	484	Mean Temp 61.57	Rain & up	1.38

862

rather below Average.

July + 1870.

July.	Baro. meter	Wind.	Thermometer Min. 9. Max.	Weather, &c.	Notes.	Rain. 1.38
F. 8.	30.19 -15	SE 1. SE 1. SE 1.	54 76 83	Bright and electric dappled sky, and very hot. The whole day alike, and chiefly bright, but more hazy from 5 pm: - and very sultry eveng. & night. -	11 am 80. 1 pm 82. 2 pm 83. 6 pm 74.	
S. 9.	-06 -01	E 0. SE 1. S 1. SW 0.	63 75 80	Very sultry and close day; at times bright, but mostly cloudy and quite oppressive. A little shower at 7 pm. Hazy night but fine, and sultry.		
Su. 10.	29.95 -98	SW 1. SW 2. SW 1.	63 1/2 70 78	Sultry & sultry morn'g, clearer after 9 am; very hot, and bright afternoon: and sultry eveng. Very fine, close and heavy night, and quite calm.		
M. 11.	-90 -83	SE 0. SE 0. SE 2. Var. 0.	58 71 75	Calm & sultry morn'g, many electric clouds, & some sun. More clouded after 1 pm, little shower afterwards cloudy. Rain again at 8 pm, & heavy from 11 till after midnight.	Thunder.	03 32
Tu. 12.	-80 -87	SW 1. W 2. WNW 1. Var. 0.	60 67 71	Heavy rain till 0.30 am - then rain lighter at times till 8 am. afterwards fine, and a bright afternoon. Close and calm eveng. much cloud hid the moon during the eclipse.	Full moon. 10.35 pm. & total eclipse.	29
W. 13.	-90 -98	SW 1. W 1. W 1. S 0.	55 70 73	Bright with a dappled sky at 6 am, & very hot till 10, then cloudy at times, but at 4 pm again bright and a hot sunny evening. Close and hazy night.	8 4 2	
Th. 14.	30.13 -21	W 1. SW 1. SW 1. SE 1.	58 72 77	Bright and very hot, with some cumuli clouds. The evening splendid, quite clear, and sun set in fullest lustre. - very fine & clear night. -	8 8 1/2 9 8 0	
419.96			4115.537	Mean Temp 67.75! Rain cal' up - 2.04		
			948.5	= 4 1/4 above Average.		

July * 1870.

July.	Baro. meter	Wind.	Thermometer Min. 9. Max.	Weather, &c.	Notes.	Rain. 2.04
F. 15.	30.78 -07	SE 2. SE 2. SE 2.	57 75 81	Fog early, bright from 5 am, and extremely hot, with a fresh breeze. From 8 pm electric clouds passed over from SSW, and during night much lightning. -	8 H 0	
S. 16.	29.95 30.02	SW 2. SW 2. WSW 1.	60 62 74	Much lightning & thunder all the morn'g till 8, and rain at times till 9. Then fine & bright, with a few light clouds, and very hot. Fine eveng, but some clouds. -	Thunder- Storms a m.	38
Su. 17.	-11 -17	W 2. W 2. W 1.	54 68 73 1/2	Bright, and hot, with cumuli clouds, and gentle breeze. More cloudy after 2 pm, and very pleasant afternoon & evening. -		
M. 18.	-18 -22	W 1. SW 1. SW 0.	60 69 73	Light curled clouds, & sultry morn'g, but exceedingly pleasant. The whole day the same, close air but the solar heat subdued by a general grey cloud.		
Tu. 19.	-30 -33	SW 0. SSW 1. SW 1/2. S 0.	60 72 80	Sultry morn'g, and grey clouds, became bright, and very hot at 11 am, & till near 1 pm. Then sultry & close, with bright intervals. - Clearer night. -		
W. 20.	38 -40	WSW 1. W 2. NW 0. SE 2.	58 1/2 72 80	Bright with a little breeze at times, but the afternoon nearly calm till 4. - A breeze in the evening at 8 pm: - and the night sultry, although breezy. -	moon last Dr. 2.17 pm 8 8 1/2	
Th. 21.	-26 -26	WSW 2. WSW 2. W 2. S 1.	60 74 82	Hot breezes, and curled sky at first, then bright and extremely hot with light electric clouds. Clearer night after a very red sunset sky. -	8 8 1/2	
422.83			4095.5435	Mean Temp 68.07! Rain cal' over 2.42		
			953	= 4 1/2 deg above Average. -		

July * 1870.

July.	Baro. meters	Wind.	Thermom. min. 9 am. max.	Weather, &c.	Notes.	Rain. 2.42
F. 22.	30.31 -33	NE. E. SE.	58 75 82	Very bright and extremely hot, very little wind till after 3 pm. Beds of cirri scattered over the sky at sunset. Clear night.	Oppressive heat.	
S. 23.	-32 -30	ESE. ESE. E.	53 73 78	Clear till 6 am, then clouds from E & S: but from 8 am, very bright and hot, with brisk wind, and very bright evening: less wind.	Fog at 4 am then clear till 6.	
Su. 24.	-22 -18	E. E. E.	56 75 78	Very bright, with brisk parching breeze, and very hot. A few curled electric clouds at times: lying on dotted lines & from SW.	very parching weather.	
M. 25.	-03 -02	E. ESE. SE. SE.	59 77 79	Very bright till 10 am, & extremely hot: then cloudy and electric from SW. & distant Thunder. Some short showers in the evening, with lightning, & Thunder.	10 am 79°. Thunder in SE. Thunder showers 8 pm.	18
Tu. 26.	-02 -08	Var. NW. NE.	61 75 77	Sultry morning, and electric clouds in mixed groups, very hot till after 10 am: gentle rain between 1 and 3 pm: then a fine pleasant & sunny evening. Fog in the night.		21
W. 27.	-12 -24	NE. NE. N.	61 74 77	Blue fog till 7 am, then bright, and very hot, with light clouds, and brisk wind. Evening also bright, and less wind. Some clouds during night.		
Th. 28.	-24 -32	N. N. N.	59 61 64	Cloudy, cool breeze, great change, but very fine. More bright from 5 1/2 pm. but chiefly cloudy night.	new moon 11. 18 am.	
42 2.73		40 83 53 6		Mean Temp 67.46. Rain cald up 2.81		
		94 4.5		3 deg Above Average.		

July * 1870.

July.	Baro. meters	Wind.	Thermom. min. 9 am. max.	Weather, &c.	Notes.	Rain. 2.81
F. 29.	30.23 -21	NE. NE. NE.	55 59 63	Cloudy & slight wetting at 7 am: chiefly cloudy all day, & a very trifling rain at times: the same during the night.	♂ ♀ ♂	.02
S. 30.	-16 -07	NE. ENE. NE.	57 63 73	Cloudy morning, slight rain. Fine & hot after 9, and sun at times. Closer evening, and blue haze.		.03
Su. 31.	29.95 -92	NE. NE. NE.	60 73 74	Foggy clouds, blue haze, and sultry morning. Very hot at 9 am. From 10 till 1. Showers & thunder, afterwards fine and hot, with continued haze.	Thunder showers.	31
180.54		172.210		Mean 3 days (63°.66.) Total rain 3.17		

Barometer.
Highest on the 20th 30.40.
Lowest on the 12th 29.80
Range 0.60
Mean of month 30.11

No Gales this month.

Thermometer.
Highest on the 8th 83°
Lowest on the 2nd am 46°
Range 37°
Mean daily range 17.12.
Mean of month 65.96!
Nearly 2 1/2° above Average.

Winds chiefly SW, and W, but much divided.
Fine days 20. Rain-fall 3.17 Inches.

This was a very fine and hot July, and highly salutary to vegetation. Pastures & corn alike greatly benefitted by the showers, and heat. - Crops good and ripe for Harvest which began at the month's closing. - Public Health on the whole fair.

August 1870.

Aug.	Baro. meter	Wind.	Thermom. min. 9 am max.	Weather, &c.	Notes.	Rain.
M. 1.	29.92 -97	E 1. E 2. ESE 2. 21.	62 74 77	Distant lightning 1 am, very hot & sultry morning, blue haze & sun. Very hot afternoon & at times bright. Foggy evening and night, and continued dullness.	Hot and Sultry.	
Tu. 2.	30.02 -07	E 1. E 2. E 1.	61 68 73	Great fog till after 8 am, then partially bright with light clouds. Hot afternoon. Even again foggy from 7 pm and a foggy night.		
W. 3.	-02 29.96	NE 1. NE 1. ENE 1.	59 63 65	Foggy morning, cloudy and close day, but very pleasant. Tranquil evening, and cloudy as before. Fine night.	* § 24	
Th. 4.	-92 -87	Var. 0. SE 1. SE 2. 81.	59 65 77	Cloudy till 10, then bright moon 1 st 2 nd at times, and very hot. Some 8. 51 am. light clouds from SSW. Sultry and thick evening, sun red in haze. Fine night but clouded over.	very hot.	
F. 5.	-87 -91	SE 1/2. SW 2. SW 1.	59 71 78	Some clouds early, but after 8 bright and very hot, cumuli clouds, and brisk wind. Less wind in the evening, serene and beautiful night.	Δ § h	
S. 6.	30.03 -07	SW 1. SSW 1. S 1. S 1.	59 74 78	Bright and very hot, with some rocky cumuli clouds. The evening sultry, but few clouds. Fine & clear night.	scorching weather.	
Su. 7.	-05 -01	SE 2. SE 2. SE 2.	54 75 80	Bright with electric clouds, and very hot, more clouded from 12 noon, chief of the afternoon, but brighter again after 4 pm. Close & sultry night.	very hot & sultry	
419.69		413.528		Mean Temp 67° 21. Rain 0.		
		941		5° above Average.		

August 1870.

Aug.	Baro. meter	Wind.	Thermom. min. 9 am max.	Weather, &c., &c.	Notes.	Rain 0.
M. 8.	30.01 -11	SE 1. E 2. NE 2. ENE 1.	62 72 73	Slight rain at 2 am, close & cloudy till after 8, then bright and hot till 11. Cloudy afternoon, trifling rain a short time. Fine and bright evening.		02 02
Tu. 9.	-20 -22	ENE 1. NE 3. NE 1.	59 1/2 69 76	Flying clouds, and sun, with very brisk air at times, but very hot. The clouds rocky, and electric. Less wind in the evening, and red clouds in West.	Hot breeze although from NE.	
W. 10.	-19 -24	N 1. NE 3. NE 2. 3.	59 68 73	Short shower at 5 am, then at times bright, with cumuli clouds, and hot but slight flying showers at times. Warm & breezy all the night.		12
Th. 11.	-24 -30	NW 2. NW 3. 4. N 2.	61 1/2 68 74	Flying clouds, hot sun, and a sultry breeze, although NW, and very brisk at times. Some clouds in the evening, less wind, and very fine.	Full moon 9.13 am.	
F. 12.	-33 -38	N 2. NE 3. NE 1.	58 66 75 1/2	Cloudy with sun, chiefly bright from 10 am, hot sun, pleasant breeze, & few light clouds only. Very bright evening, and less breeze. Night cloudy.		
S. 13.	-39 -40	NE 2. NE 2. N 2.	62 65 72	Cloudy till after 10 am, then became bright, with light clouds and a fresh breeze. The evening and night chiefly cloudy, and less wind.	* 24 0	
Su. 14.	-33 -28	NE 2. NE 2. NE 3.	56 1/2 63 65	Cloudy more or less, and very little sun, slight misting at times. Very cloudy evening, and night.		
423.62		418.5085		Mean Temp 66° 21. Rain can over 0.16		
		927		4° above Average.		

August * 1870.

Augt.	Baro. meter	Wind.	Thermometer min. 9 am. Max.	Weather, &c.	Notes.	Rain. 0.16
M. 15.	30.23 -21	N ₂ . NE ₂ . NE ₂ .	59 63½ 67	Gentle rain at 4 am, clouds & sun as the day opened: fine and pleasant, little sun, & many clouds, with a fresh breeze. — Even the same.	δ h o	04
Tu. 16.	-21 -22	NE ₁ . NE ₂ . N ₁ .	55 62 70	Cloudy with sun, fine, and pleasant, with gentle breeze, evening clearer, sun set rosy, fine and warm during night. Pleasant weather.	δ ♀ H	
W. 17.	-20 -17	NNW ₁ . NW ₂ . Var. o.	58 64 71	Close morning, with grey clouds, and sun at times; very fine and warm day, lighter clouds & sun. — Evening quite clear, sun set in full lustre.		
Th. 18.	-10 29.94	W ₁ . W ₂ . Var ₁ . E ₂ .	47 67 76½	Fog early, and dewy morning, very bright after 9 am, and a very hot day, chiefly bright & a few light clouds. — Wind to East 4 pm, clouds in upper current. — Still from West.	From 8 to 11 pm much thunder and lightning in N. & E., and little rain here.	03
F. 19.	-92 30.03	NW ₂ . NW ₃ . NW ₂ .	53 63 66	Little shower at 5 am, the day chiefly fine, with rocky clouds, and sun, and blustering wind less wind after 3 pm, fine evening and night.	moon last Dr, 7.50 am. * ♀ δ	02
S. 20.	-11 -19	NW ₃ . NW ₂ . NW ₁ .	46½ 63 69	Bright sun, cumuli clouds, and brisk wind, fine here, but a little shower distant in West at 4 pm. Evening very bright & clear night.		
Su. 21.	-24 -28	NW ₂ . NW ₁ . NW ₁ .	46 62 65	Clear, bright till after 8 am, then chiefly cloudy, and little sun at times. Evening bright and nearly calm.	δ 24 h	

422.05 36.45 48.45 Mean Temp 60° 64. Rain cald up 0.25

849 — 1½° below Average.

August * 1870.

Augt.	Baro. meter	Wind.	Thermometer min. 9 am. Max.	Weather, &c.	Notes.	Rain. 0.25
M. 22.	30.19 -01	NW ₁ . SW ₁ . SSW ₃ . SW ₂ .	43 60 67	Clear, & cool morning, fine day, clouds at times, but warmer and wind to SW at noon. — Evening squally from 5 pm, little rain at first, afterwards hard rain at times chief of the night.	□ ♀ h	38
Tu. 23.	29.84 -97	W ₂ . WNW ₃ . NW ₂ . 1 & o.	52 58 66	Rain at times till after 4 am, cloudy till near 10 am, then bright at times, fine and very pleasant afternoon; calm and hazy evening, and night.	□ ♀ 24	22
W. 24.	-96 -96	WSW ₁ . W ₃ . W ₄ . 2. & 1.	52 62 69	Cloudy, gentle rain 5 am, and cloudy till 9, then bright, with many clouds, and brisk wind. Evening clearer & wind less. Very fine night.	* ♀ H	08
Th. 25.	30.02 -01	W ₂ . W ₃ . W ₁ . 8 & o.	49 61 67½	Bright, with light clouds, and fresh breeze at times. Dark clouds from W at 4 pm, and the evening cloudy, and calm. Short shower at 7.		02
F. 26.	29.88 -97	W ₂ . NW ₃ . NW ₄ . 3 & 2.	51 58 62	Heavy showers at 3 & 5 am; then finer, & some sun till 9 am, squalls of wind & rain followed during the day, & sun between. Fine evening, and night, & less wind.	new moon 9.26 pm.	30 18
S. 27.	30.05 -00	WNW ₁ . W ₁ . S ₂ .	48 62 67	Bright with light clouds, and little wind: warm and pleasant. — Evening cloudy, and electric. — Rain at 11 pm & continued at times all night.		
Su. 28.	29.60 -51	S ₂ . SW ₃ . W ₆ . WNW ₄ .	53 62 66	Rain at times all the morning, and much & heavy from 8 till 9 am. — Then bright at times, but galy. — heavy shower again at 12, then fine but with a strong gale at times, abating in the evening, but slowly.	(much rain & gale.	88 13

418.97 34.84 46.45 Mean Temp 58° 03 Rain cald over 2.44

812.5 — nearly 4° below Average.

August * 1870.

August	Baro.	Wind.	Thermom.	Weather, &c.	Notes.	Rain
	inches		Min. 9 am Max.			
M. 29.	29.79	NW 5.	50	Bright with flying clouds, and blustering wind, abating towards evening, and after 7 very gentle: and a bright evening. Fine night.		2.44
	-98	NW 5.	58			
		NW 1.	63			
Tu. 30.	30.12	WNW 3.	45	Bright, with cool breeze, and cumuli clouds. — Short showers at 9 $\frac{1}{2}$ and 11 am: fine & bright afternoon, and the evening the same.		03
	-32	NW 2.	58			
		NW 1.	62 $\frac{1}{2}$			
W. 31.	-37	W 1.	43	Clear, bright, and pleasant, with some small clouds.	6 3 H	
	-21	SW 2.	60	very fine & calm evening, haze below, & clear above.		
		W 2.	67			
		1. & 0.				
180	79		138 193	Mean 3 days 55.16.)) Total rain		2.47

Barometer.
 Highest on the 13th — 30.40.
 Lowest on the 28th — 29.51.
 Range — 0.89
 Mean of month — 30.08
 Gale on one day — the 28th

Thermometer.
 Highest on the 7th — 80°
 Lowest on 22nd & 31st — 43°
 Range — 37°
 Mean daily range — 16.04
 Mean of month — 62.43.
 Nearly $\frac{1}{2}$ ° above Average.

Prevailing winds NW, and NE. — Fine days 21, and the Rain-fall 2.47 Inches.

This was a very fine month, to the 22nd day, with reasonable weather for harvest, which was well & quickly got up. The close of the month yielded salutary rain for the long parched soil. The corn a good yield and quality. Public Health generally good.

September 1870.

Sept.	Baro.	Wind.	Thermom.	Weather, &c.	Notes.	Rain.
	inches		Min. 9 am Max.			
Th. 1.	30.11	WSW 2.	46	Bright morn'g, and chiefly so all day, some haze, and clouds at times, & brisk wind. but a bright & lovely afternoon. Even'g hazy, & cloudy. but a fine night, and closer air.		
	29.93	SW 3.	62			
		SW 2-1	70			
		SSW 2.				
F. 2.	-68	S 3.	56	Warm with gusts of wind & slight rain at times, but sun often bright, and the afternoon more sun & less wind. Even'g serene & chiefly clear.	moon 1 st 2 nd 1.58 pm.	
	-62	SSW 4.	64			
		SW 2.	69			
		SW 2.				
S. 3.	-64	S 1.	56	Electric rocky clouds & sun; showery about noon, and much distant thunder but from 2 pm fine, and at times bright.	Thunder	05
	-83	SW 2.	63			
		W 1.	66			
		W 2.				
Su. 4.	30.07	SW 1.	44	Very bright, warm, & pleasant, with a fresh breeze at times, and a few light clouds. — Even'g chiefly clear but some distant clouds, like a change.		
	-10	SW 2.	62			
		8 3.	68			
M. 5.	29.92	S 3.	55 $\frac{1}{2}$	Squally wind in sudden gusts, but very warm, with clouds and sun. Little flying rain 3 pm, & light showers after. Harder rain at 8 & 9 pm.		02
	-79	SSW 5.	64			20
		SSW 4.	69 $\frac{1}{2}$			
		S 3.				
Tu. 6.	-72	SW 0.	59	Stiltry & calm with mottled sky, very close. Overcast P.M., and rain at times. Rain again harder at 8 & 9 pm. — Night fine afterwards.		13
	-64	SW 1.	62			20
		S 1.	66			
		S $\frac{1}{2}$				
W. 7.	-60	S 2.	52	Chiefly hazy, & cloudy with rain at times, heavy flying showers. More constant & heavy from 10 am. The rest of the day, till 8 $\frac{1}{2}$ pm. —	Δ 9 η much rain.	93
	-50	SSW 3.	59			
		SW 2.	59			
		8 1.				
417	75		3685 4675	Mean Temp 59.71.)) Rain evap. over		1.53

836 — Slightly above Average.

September 1870.

Sept.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather, &c.	Notes.	Rain. 1.53
Th. 8.	29.62 -86	SW 3. WSW 4. W 2. 8° 1.	48 58 62	Bright at times, wind very blustering, and clouds fly- ing over. Less wind after 3 pm. Bright evening, and nearly a calm. - Rain after 12 pm.		
F. 9.	55 -52	SW 3. SW 6. SW 3.	50 61 69	Rain early AM. Stormy sky, but close and warm, clearer af- ter 10, hot sun at times, but a heavy gale at 2 & 3 pm. Storm of rain & thunder 6 1/2 pm.	Full moon 10.12 pm. * ♀ 4	15 25
S. 10.	62 -99	SW 6. WSW 7. W 4. W 2.	50 57 60	Gale from NW & WSW, very strong till 2 pm, then abating, but some flying showers at times. The evening finer, and the night serene and chiefly clear.		10
Su. 11.	30.17 -25	W 2. W 1. W 0.	46 59 64	Bright and serene morning, fine day, and chiefly bright, but some haze, and cumuli clouds. Pleasant day, and calm evening, and night.		
M. 12.	23 -13	SW 1. SW 2. W 3. W 2.	45 59 64	Chiefly bright, with pale haze, and light clouds, very pleasant afternoon. more clouds after 4 and short showers in the evening. - Night fine.		08
Tu. 13.	13 29.92	SW 1. SW 2. W 3.	48 1/2 56 57	Hazy, thick, & more or less cloudy, followed by a very rainy after- noon till 4 pm. evening fine and clearing. - Breezy all the night.		42
W. 14.	87 30.13	W 3. W 5. NW 2.	52 1/2 58 60	Bright morn'g till near 10, afterwards windy & cloudy with light flying showers in the afternoon. Wind fell away from 4 pm, all the evening.		02
418.99			340 436	Mean Temp 55° 42. Rain cal' up 2.55		

776 = 2 1/2° below Average.

September 1870.

Sept.	Baro. meter	Wind.	Thermom. Min 9 am Max	Weather, &c.	Notes.	Rain. 2.55
Th. 15.	30.31 -46	NW 1. N 1. N 1.	41 56 60	Clear, dazy morn'g, fine day, and chiefly bright, with some clouds, and a cool wind; fine serene evening and night, & became calm.	☐ 1/2 ☉	
F. 16.	57 -60	Var. 0. Var. 0. SE 1.	38 1/2 55 63	Clear & calm morn'g, with par- tial hoarfrost. - Very fine, & calm day, chiefly bright, and very warm in the sun. Fine evening, and but more hazy, & drizzling southward.		
S. 17.	52 -42	SW 1. SW 2. W 2. W 0.	49 57 64	Hazy, and some clouds, closer air. Little rain at 10 am; then gray clouds & some sun till 1 pm, afterwards very hazy, and dark. - Close night, and continued haze.		
Su. 18.	40 -42	W 0. Var. 0. E 1. SE 1/2.	55 58 61	Close & hazy morn'g, cloudy all day, with haze, and little sun, brighter at 4 1/2 pm, but again cloudy. The night fog fog but clear above.	moon last Dr. 1.30 am. ☐ 4 ☉	
M. 19.	47 -44	SE 1/2. SE 1/2. SE 1/2.	43 60 62	Fog below, clear above, - after 7 am, very bright, till 10 am, after- wards many clouds, but fine and calm. - Clear evening, and night, and much dew.		
Tu. 20.	41 -40	E 0. SW 1/2. SW 0.	39 57 65	Clear & slight hoarfrost, early AM. - Very bright day, few small clouds, and calm. The sun very hot in the PM. Fine even'g, golden Oct.		
W. 21.	42 -43	W 0. NW 1. Var 1/2.	45 60 67 1/2	Fog, but soon very bright, and warm, the day through- out. Sun set clear & a fine orange colour. - Night a little hazy.		
426.27			31054425	Mean Temp 53° 78. Rain cal' over 2.55		

753 = 4° below Average.

September 1870.

Sept.	Baro. meter	Wind.	Thermom. min. 9 am. max.	Weather, &c.	Notes.	Rain 2.55.
Th. 22.	30.47 -48	Var. 0. E 2. E 1.	48 62 65½	Bright with a few small clouds, and gentle breeze. Very clear evening, and yellow sunset. Clear night.		
F. 23.	30.50 -48	ESE 2. SE 3. E 1.	44 60 64	Bright all day, no cloud, but the wind cool and brisk, but less wind after 5 pm. Very clear sunset and evening. Equinox.		
S. 24.	30.47 -45	E 1. ESE 2. ESE 3. SE ½.	44½ 60 64	Very clear morning, and continued very bright all day, but a cool wind. Brilliant sunset, and a clear and calm evening. (Great display of Aurora Borealis from 8 to 12 pm.)		
Su. 25.	30.47 -42	ESE 1. ESE 1. E 1. & 0.	41 58 67	Fog early, very bright, warm and serene, from 8 am, & a hot afternoon. Clear sunset, and evening. Aurora again very brilliant. Aurora Borealis, at last night.		
M. 26.	30.33 -32	SE 1. SE 1. SE 0.	42 62 69	Fog till after 7 am, then bright and hot, gentle wind, but no clouds. Bright evening, some linear cirri SW & W. very fine night.		
Tu. 27.	30.35 -40	E 1. E 2. E 1.	50 62 71	Great fog till after 8 am, then very bright, and hot. gentle wind at times, and a brilliant evening, sun set in golden splendour.		
W. 28.	30.45 -48	E 1. E 2. E 1.	50 59 69	Great fog till after 9 am; then bright and hot, with gentle wind, & scarcely a cloud. Sun set clear as before.		

42607

31954693

Mean Temp 56°35. Rain cal- up 2.55

789 = 1½° below Average.

September 1870.

Sept.	Baro. meter	Wind.	Thermom. min. 9 am. max.	Weather, &c.	Notes.	Rain 2.55
Th. 29.	30.52 -52	NE 1. NE 2. NE 2.	50 58 66	Heavy dripping fog till 10 am, then bright, hot sun & cool breeze, with a few light clouds. Cloudy Evening, and night.		
F. 30.	30.53 -58	NE 2. E 2. E 1.	53 56 62	Cloudy morning, clearer after 10 am, bright afternoon, and clear sunset, and evening.		
12215			103128	Mean 2 days 57°75. Rain 2.55		

Barometer.

Highest on the 16th - 30.60
Lowest on the 7th - 29.50.

Range = 1.10

Mean of Month 30.17

Gales on 2 days - 9th & 10th.

Thermometer.

Highest on the 27th - 71°
Lowest on 16th am - 38.5

Range = 32.5

Mean daily range 17°73

Mean of Month 56°41.

Fully 1½° below Average.

Prevalent winds S.W.; East, & a few W, and S.E.
Fine days 21. Rain-fall 2.55 - Inches.

The first 14 days of this month gave us several acceptable rain-falls, among days of pleasant warmth, and this supply of rain was requisite after the long drought. The rest of the month was very dry with a moderated temperature, owing to the strong evaporation by the constant easterly wind, upon the soil so recently wetted. Public Health on a medium during the month.

October 1870.

Oct.	Baro. meter	Wind.	Thermom. min. 9. max.	Weather, &c.	Notes.	Rain.
S. 1.	30.66 -70	E ₂ E ₃ E ₁	41 60 64.2	Fog till 8 am, then bright all day, and hot for the season, but a brisk wind most of the day. Clear sun set, and evening & part of the night clear.	Moon 1 st Dr 9.19 pm. * ♀ ♂	
Su. 2.	-64 -61	NE ₁ E ₂ E ₂ E ₁	43 59 66	Fog till 8, then bright and lovely, hot for the season, and quite clear, with a little breeze. Clear and serene evening, but fog in the night.	A splendid day.	
M. 3.	-57 -61	E ₁ E ₁ E ₁	46 57 66	Fog till 8, clearing in part till 10, afterwards bright and hot, with gentle wind and clear golden sunset. Fog in the night.	□ ♀ ♀ Lovely weather.	
Tu. 4.	-59 -56	NE ₁ NE ₁ E ₁	49 57 65	Great fog till 9 am, then became bright, and hot sun, all PM. and brilliant sunset. Clear night till after 12. - No wind.	Very pleasant and warm.	
W. 5.	-49 -38	N ₀ Var. 0. SE _{1/2}	47 51 55	Cloudy till 1 pm, afterwards partially bright, and quite calm, but a cooler air all day, than of late. Hazy & thick evening, and mild night.	□ ♀ ♀ * ♀ ♀	
Th. 6.	-27 -16	SW ₂ W ₂ W ₁	49 51 54	Hazy and cloudy all day, more or less, and cooler than of late, but wind very little. Rather clearer at 4 pm; fine evening, & night, but hazy.		
F. 7.	-02 29.83	SE ₁ SW _{1/2} SW _{1/2} S ₁	45 51 59	Hazy morning, and very close day, much haze, and dark clouds, sun glimmering, calm & warmer. Close night.		
42.609		32.04295		Mean Temp 53° 53. Rain none yet.		

74.95 = 1 1/2° above Average

October 1870.

Oct.	Baro. meter	Wind.	Thermom. min. 9. max.	Weather, &c.	Notes.	Rain.
S. 8.	29.35 -32	SE ₄ SW ₅ SW ₅ 2 & 1.	53 1/2 62 64 1/2	Rain from 3 to 6 am, then fine, very warm, & some sun, but some flying clouds, and squally wind. Less wind after 3 pm. Electric clouds. Evening.	Steady day.	.40 .01
Su. 9.	-12 -11	SW ₂ W ₂ W ₂ NW ₂	48 1/2 56 57	Bright morning, but from 10 am, stormy air, clouds & little rain at times. Cooler afternoon, and lowering sky, & showery evening.	Full moon. 1.43 pm.	.13
M. 10.	-32 -67	NW ₂ NW ₂ NW ₂	35 46 51	Cold, and showery morning and short showers in the day, with sun at times. Clear and cold evening and night.	Snow at 6 am! Great change.	.04
Tu. 11.	-89 -98	W ₂ W ₂ W ₁	35 45 54	Clear morn, little frost. continued bright, all day, with light cumuli at times. Clear & frosty night till after 12, then a change.		
W. 12.	-85 -41	SE ₂ SE ₆ S ₂ SW ₅	35 50 57 1/2	Cloudy and squally wind, followed by rain from 10 am, till 3 pm, then fine, warm and some sun. Blowing all night, but mild air.	♂ ♀ ♀	.22
Th. 13.	-24 -72	WSW ₇ W ₇ W ₂ 8 & 1.	50 52 54	Strong gales all the morning, rain at times; finer from noon to 4 pm, then rain again & much less wind since 2 pm. Overcast & gentle rain at eve.		.33
F. 14.	30.02 -18	NW ₁ NW ₂ NW ₀	44 49 56	Bright, with small clouds, and nearly calm: very pleasant afternoon. Brilliant sunset, and evening, & no wind.		
41.418		30.1394		Mean Temp 49° 64. Rain cal over 1.13		

69.5 = 2 1/2° below Average.

October 1870.

Oct.	Baro. meter	Wind.	Thermom. Min. 9 am Max.	Weather, &c.	Notes.	Rain. 1/13
S. 15.	30.10 29.92	W ₀ . W ₁ . SW ₁ .	37 47 57½	Bright, with gentle wind, cool in the shade, but pleasant in the sun. Warm & serene afternoon. Hazy night after. 11 pm.		
Su. 16.	-66 -42	SE ₄ . SSE ₄ . S ₃ . S ₃ .	43 53 58	Rainy and squally morn'g. continually raining more or less through the day, but mild, and became clearer, and fine during the night.	* 80	63
M. 17.	-42 -66	SW ₃ . W ₄ . WNW ₃ . W ₂ .	48½ 52 53½	Bright, with flying clouds, and cooler wind. Very slight sprinkling of rain drops - 3 pm. - Fine clear evening and night.	moon last Dr 6.13 pm	
Tu. 18.	30.06 29.92	W ₁ . SW ₂ . S ₂ . S ₆ .	37 47 56	Bright and warm till af- ter 12, then hazy, and some clouds. Very cloudy evening and some rain & galy night, but warm.	Δ 87 * 70	73
W. 19.	-70 -55	SW ₂ . SW ₂ . S ₅₋₆ . SW ₂ .	50 54 59	Bright morn'g, but soon hazy & cloudy with close at- mosphere. - Sudden heavy storm of hail & rain 3 pm. afterwards fine & clearer.	Distant Thunder.	20
Th. 20.	-51 -47	SW ₂ . SW ₄ . W ₂ .	46 48 52	Clouds and sun, fine till 2 pm, then squally, and very wet afternoon, and part of the evening, but the chief of the night, finer.	Δ 40 □ 70	43
F. 21.	-87 30.07	NW ₂ . WNW ₂ . W ₁ .	45 47 55	Clouds and sun, bright and pleasant all day, Hazy in the evening, cloudy and calm night.		
41633 3065391 Mean Temp 49° 82. Rain cald up 2.52						

697.5 = 24° below Average.

October 1870.

Oct.	Baro. meter	Wind.	Thermom. Min. 9 am Max.	Weather, &c.	Notes.	Rain. 2.52
S. 22.	30.02 29.71	SW ₁ . SW ₂ . S ₃ .	46 52 57	Hazy and cloudy, dark, and lowering, but warm. From 4 pm very wet evening, and chief of the night, with but little intermissions.	* 84	25
Su. 23.	-28 -09	S ₄ . S ₃ . SW ₃ .	49 52 56	Very rainy all the morning & more or less till noon, afterwards bright at times. and chiefly fine evening & night.		38
M. 24.	-02 -32	SW ₃ . SW ₅ . W ₅ .	43 49 53	Cloudy, with some sun, but ve- ry squally, with some short flying showers. Evening fine and a grand display of very red & yellow lights SW. W. N. & NE.	micro moon 3.36 pm. Aurora Borealis very red.	70
Tu. 25.	-51 -68	SW ₂ . SW ₂ . SW ₁ .	41 47 54	Very fine, with light mottled clouds, and sun. At 6 pm the Aurora again came over in a beautiful crimson Arc SW to NE, & yellow beams also.	Aurora again very red. humming	
W. 26.	-65 -58	SW ₁ . SW ₁ . SW ₁ .	42 46 48	Hazy, thick and gloomy, more or less all the day, but clearer in the W. after 3 pm, and the evening and night clear. Lightning in the East horizon.	Distant lightning evening.	
Th. 27.	-70 -65	SW ₂ . SW ₃ . NW ₄ .	40 46 54	Bright and pleasant till noon, afterwards cloudy, heavy shower hail, rain, & thunder 3½ pm: afterwards fine and clearer again.	Great hail & thunder. 3½ pm.	21
F. 28.	-74 -99	W ₃ . W ₂ . W ₁ .	43 49 54	Chiefly bright, and drying, some rocky clouds and a brisk air, but calmer after 3 pm. Close & cloudy night.	* 97	
41694 304376 Mean Temp 48° 57. Rain cald over 3.46						

680 = 34 below Average.

October 1870.

Oct.	Baro. meter	Wind.	Thermom. Min. 9 Max.	Weather, &c.	Notes.	Rain. 3.46
S. 29.	30.03	W ₁ W ₂ S ₁	47 51 54	Little light rain from 4 to 6 am, mild, close, and cloudy till after 2, then rainy and close all the Eveng, & part of the night.	△ ♀ 24	.05 .75
Su. 30.	-92 -96	W ₃ W ₄ W ₂	43 47 52½	Rain early, but fine after 5 am bright morning, and the whole day bright, with some light clouds, & fresh breeze. Hazy eveng, & signs of rain.	□ ♀ H	.07
M. 31.	-71 -97	SE ₀ E ₀ NE ₁	46 49 50	Overcast, and very rainy from 3 to 10 am, then finer, and the afternoon bright at times 8. 1 am. Fine & breezy night, & mild.	moon. 1 st Dr.	34
179.41		136 156.5		Mean Temp 3 days 48.75. Rain 4.07		

Barometer.
Highest on 1st 30.70
Lowest on 24th 29.02
Range — 1.69
Mean of Month 29.88.
Gales on 4 days. —

Thermometer.
Highest on 2nd & 3rd 66°
Lowest on 10. 11. & 12th am 35°
Range — 31°
Mean daily range 12° 3
Mean of Month 50.23
Slightly below Averages.

Prevailing winds W, & SW. Fine days 16. Rain 4.07 In.

This was a very changeable month, with a medium temperature, and much rain after the 7th day, a merciful supply after so dry a Spring and Summer, so as to admit the plough for wheat-seeding at the close of the month, and public Health an Average.

November 1870.

Nov.	Baro. meter	Wind.	Thermom. Min. 8 Max.	Weather, &c.	Notes.	Rain.
Tu. 1.	30.32 -53	NW ₂ NW ₃ NW ₂	44 44 53	Very fine, chiefly bright, some small clouds, and a drying breeze, — but after 3 pm, nearly calm.	△ ♀ 24 * ♀ H □ ♀ H	
W. 2.	-57 -57	NW ₀ NW ₁ NW ₂	32 35 51½	Clear & frost, very fine day and mostly bright & calm. Some light grey clouds PM. Clear, and frost evening and night.		
Th. 3.	-53 -51	E ₀ SW ₀ SW ₂ NW ₀	31 35 49	Frost am, bright, but hazy and a red morning sky. Very bright afternoon, and still calm. Frosty and clear till about 11 pm.		
F. 4.	-51 -49	N ₀ N ₁ W ₀	35 48 52	Some fog, grey clouds, and change early AM. Fine calm & mild day, chiefly cloudy, but pleasant. Eveng & night the same.	* ♀ ♂	
S. 5.	-52 -47	W ₀ W ₁ W ₀	42 46 51½	Mild, calm, and cloudy morning, a little sun in the forenoon, but chiefly cloudy the rest of the day. Night clearer.	♂ 4 H	
Su. 6.	-37 -22	W ₀ W ₁ W ₀	39 44 46	Cloudy and rather foggy all the day, but fine, and nearly calm: rather clearer from 4 pm, but fog below. Very fine night.	* ♀ ♂	
M. 7.	-73 -72	W ₀ W ₂ W ₁	35 39 48½	Foggy and calm morning bright day, with light clouds and gentle air. More clouded from 3 pm, but a fine Eveng & night.		
42.586		258 351.5		Mean Temp 43.53. Rain ear over 0. —		
		609.5		1½° above Averages. —		

November 1870.

Nov.	Baro. inches	Wind.	Thermom. Min 8 Max	Weather, &c.	Notes.	Rain 0.
Tu. 8.	30.15 -16	W ₀ W ₂ W ₀	34 37 48	Foggy morning; but bright at 9, most of the day, and nearly calm. More cloudy, & hazy after 2 pm. Very fine and tranquil.	Full moon 7.32 a.m.	
W. 9.	30.3 29.87	W ₀ W ₀ NW ₂	38 40 47	Close, calm, and foggy morning, very fine day, and sun at times, and continued quite calm. Dark and low clouds from 4 pm, more wind and veered to NW, & colder.		
Th. 10.	-62 -60	NW ₃ NW ₂ N ₂	33 37 43	Cloudy, hazy, and colder wind, little sun at times. Showers at a distance, but fine here. Stormy looking evening and night.		03
F. 11.	-58 -60	NW ₃ NW ₃ NW ₃ 4.5.	33 36 41	Cold squally sky, slight rain & sleet at times, but some sun, yet a coarse wind & unpleasant day. Finer night, with sharp wind.	Sleet & rain.	06
S. 12.	-50 -43	NW ₂ NW ₃ W ₂	30 30 41	Clear & keen frost, with a brisk wind. Very bright day, but a biting breeze. Even hazy & thick, some rain and sleet in the night.		
Su. 13.	-35 -47	WSW ₄ W ₃ SW ₁	33.2 38 43	Rain and sleet early, and rain at times, most of the day, but from 3 pm, fine and clear, with less wind. Clear evening.		25
M. 14.	-40 -29	SW ₂ SW ₁ SSW ₂	33.2 42 46	Cloudy & slightly hazy, but fine and milder, more clouded and lowering from 3 pm, dark clouds, and threatening, but a fine night.		02
415.05		235309		Mean Temp 38° 85. Rain cal over 36		
544		= 3° below Average.				

November 1870.

Nov.	Baro. meter	Wind.	Thermometer Min. 8 Max.	Weather, &c.	Notes.	Rain. 0.36
Tu. 15.	29.29 -29	NW ₁ W ₃ W ₂	33.2 34 39	Cold and very foggy till after 2 pm. Then clearer, and more wind. Very cold air and threatening snow. Even milder & less wind.		
W. 16.	-40 -50	SW ₁ SW ₁ SW ₁	32 34 45	Clear and bright all day, very little wind, and mild after 11 am. More hazy from, and fog evening & night.	moon, last 2r. 8.59 am.	
Th. 17.	-55 -63	S ₀ SW ₁ SW ₀	31 35 42	White frost and fog, very bright till 3 pm, then some light clouds for a short time. Evening clear above, fog below, and keen frost.		
F. 18.	-70 -67	W ₀ W ₁ SW ₁	27 33 38.2	Keen frost and fog, continued very cold and foggy most of the day, but clearer after 3 pm, but soon hazy and very thick & yet very cold.		
S. 19.	-60 -47	S ₀ SSE ₂ S ₃	26 33 44	Very sharp frost & fog, but from 10 am, bright till 3 pm, afterwards some clouds, and shows for change. Overcast, even. Aurora Borealis 8 pm at 8 pm.	Δ HIO	
Su. 20.	-47 -53	W ₂ W ₁ SW ₁	38 43 47	Much rain early AM, and till after 9, then cleared off to a very bright and serene afternoon: but after 5 pm, foggy and dark. but clear at 8.	Δ 8 H	43
M. 21.	-60 -49	SSE ₄ S ₅ SW ₁	39 45 48	Cloudy and blustering, sudden squalls & some short but hasty showers, till 2 pm, then cleared off, & became calm the rest of the day.		12
413.19		22653035		Mean Temp 37° 85. Rain cal over 0.91		
530		= 4° below Average.				

November 1870.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. E 0.91
Tu. 22.	29.50 -28	SSW ₂ SSW ₂ SW ₅	34 37 49	Bright morning till 11, then very hazy and cloudy with rain from 1 till 3 pm, then be- came fine & sunny till 4, but a squally evening, and milder.		14
W. 23.	-28 -50	SW ₆ SW ₅ SW ₁	43 46 53	Very blowing and stormy, flying clouds & sun, but at 1.21 a.m. in 2 pm, much less wind and very bright. Fine evening & in part clear.	new moon	
Th. 24.	-53 -47	S ₃ S _{4.5} S ₄	39 52 56	Close and warm morning. light flying rain at times after 10 am, but from 11, became very bright & warm, but windy. and a close & breezy night.		02
F. 25.	-45 -67	S ₂ SW ₃ SW ₂ S ₁	48 52 54	Very warm but cloudy till after 9, then bright and plea- sant, and a clear evening and nearly calm. Fine night, little fog.		
S. 26.	-93 30.06	SE ₁ SW ₁ S ₁	42 45 49	Very foggy, calm and mild more or less fog all the day, and the evening, and night the same.		
Su. 27.	-27 -38	SW ₀ Var. 0. SE ₀ Var. 0.	42 44 47	Very thick fog, till 10 am, some fog but less afterwards, and clearing more at 2 pm. little sun a short time, but again foggy. Night clear.		
M. 28.	-40 -40	NE ₁ NE ₀ E ₀	35 42 46	Foggy more or less all day and colder. Slight gleams of sun 3 pm, grey clouds and some fog.		
41712 28353545 Mean Temp 45° 57 Rain evap 1.07						
638 3 1/2° above Average.						

November 1870.

Nov.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. E 1.07
Tu. 29.	30.40 -41	E ₁ E ₀ Var. 0.	35 42 45 1/2	Slight fog, but less than previous, grey clouds, and sun, and quite calm. Evening again rather fog- gy, but calm as before.	moon 1 st 2 nd 10.33 pm.	
W. 30.	-45 -56	E ₁ E ₂ E ₂	38 42 43	Grey clouds, & gentle wind cloudy more or less all day, very little sun, and a keen air.		
12182 73 885 Mean Temp 2 Days 40° 37 Rain 1.07						

Barometer.
Highest on the 2nd 30.57
Lowest on 22nd 29.28
Range 1.29
Mean of Month 29.88.

One Gale on 23rd.

Thermometer.
Highest on the 24th 56°
Lowest on 19th 26°
Range 30°
Mean daily range 11° 03
Mean of Month 41° 38

Very slightly below Average.

Prevalent winds SW, & W. Fine days 23! Rain 1.07 only!

This was a fine seasonable month, with much
calm and dry weather, and not much frost, but some
mild days. Towards the end foggy and colder.
Considerable sickness in town and country,
but the Mortality below the Average generally.

December 1870.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain.
Th. 1.	30.60	E 1.	36	Cloudy, with sun at times, and very cold breeze. Darker clouds all the afternoon. Fine night, chiefly cloudy, & very little wind.		
	-67	E 2.	38			
		E 2.	40			
F. 2.	-65	E 1.	32	Cloudy with sun, gentle wind, and cold. More sun after 12, but a cold air. More wind after 8 pm, & veered Westward. Some frost during night.		
	-57	E 1.	33			
		E 1.	39 1/2			
S. 3.	-32	W 3.	30	Clouds & sun. Little frost early more clouded in the day, little rain at times. Finer after 3 pm, & less wind, but more North. Rainy night.		02
	-22	W 3.	33			
		NW 3.	44			71
		N 2.				
Sa. 4.	-35	NE 1.	28	Rain & snow in the past night. Bright morn'g, with frost. Continued all day bright, with a sharp air. Even'g more clouded but freezing again, & clear night.	□ & ♂	
	-49	NE 1.	29			
		NE 0.	3 1/2			
M. 5.	-36	Var. 0.	25	Frost in the night, very foggy since 6 am, then sleet & snow till 9 am; afterwards finer, but from 3 pm, very foggy. Little frost before midnight, afterwards clouded.		03
	-27	SW 1.	33			
		S 1.	36			
		SE 2.				
Tu. 6.	29.94	SW 1.	31	Overcast, foggy & dark, little rain at times. Very dark and foggy all day, & nearly calm. The even'g the same as regards the fog, but the moon relieved the gloom.	8 ♂ 4	06
	-88	SW 0.	36			
		WSW 0.	3 1/2			
W. 7.	-77	NW 3.	32	Rain & sleet early A.M.; fine after 6 am, and bright at times, showery again pm, sleet & rain, & some snow. Frosty night, and more fine.		22
	-74	NW 2.	34			03
		NW 1.	3 1/2			
42383				214269	Mean 34.5 Temp.) Rain cal up 47	
				483	4 1/2 below Average.	

December 1870.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain.
Th. 8.	29.74	NW 1.	27	Hard frost, cloudy in part. Snow most of the forenoon, and again after 1 pm, at times all the pm. - More snow during the night, but no frost.	Full moon 2.39 am.	
	-76	NW 1.	30			
		NW 1.	34			
F. 9.	-78	NW 0.	32	Snow more or less continually or with slight intermission all the day, and very gloomy. Gentle thaw all night, and calm with fog.		
	-93	NW 0.	32			
		NE 0.	35			
S. 10.	30.07	W 0.	32 1/2	Very foggy and gently thawing, nearly the same all day. Less fog in the even'g, but very cloudy, and continued thaw, the night throughout.	□ & ♂ 4	
	-05	W 0.	34			
		Var 0.	37			
Sa. 11.	29.97	NE 0.	33	Overcast and thaw as before. exceedingly gloomy and damp. Sun set red, & visible through the haze. Even'g also overcast & thaw proceeds.	♂ & ♀ 4	
	-88	SSE 1.	34			
		SE 1.	36			
M. 12.	-50	SE 4.	31	Little frost early, but from 6 am rain and blistering wind till 10 am, then foggy till after 2, when it cleared off with bright sun and less wind. Even'g and night hazy, & wind brisk.	8 ♀ 4	23
	-42	S 2.	34			
		SW 2.	41			
Tu. 13.	-61	W 2.	35	Cloudy and mild, rain from 11 a.m. till 3 pm; then finer, but misting at times. Much rain again during the night, and even from 8 pm.	8 4 0	27
	-62	SSW 1.	45			
		SW 2.	47 1/2			
		8 4.				
W. 14.	-30	S 3.	43	Breezy warm & rainy morn'g, cloudy & dark with rain at times in the forenoon. Fine sunny, and very warm from 2 till 3 1/2 pm, fine even'g, and night.	□ & ♂ 8	32
	-28	SW 4.	49			70
		SW 2.	57			
41591				23352875	Mean Temp 37.21.) Rain cal over 139	
				521	37.21 - 1/4 below Average.	

December 1870.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 1.39
Th. 15.	29.63 -60	SW ₁ SW ₁ SW ₁	39 41 45½	Clear morn'g, and chiefly moon bright with light haze last 2r clouds till 11 a.m., then over- cast, and a wet evening from 4½ p.m., till 10 p.m.	☾ ☽ ☽	30
F. 16.	29.90 30.01	SW ₀ WSW ₁ NE ₁ & 0.	32 33 39	Clear morn'g, little frost, hazy forenoon, but partially bright, overcast p.m., and rain gentle at intervals, in the evening & night.	☾ ☽ ☽	12
S. 17.	-05 -09	NW ₁ NW ₂ NW ₂ & 3.2.	34 37 41	Hazy but chiefly bright till 11 a.m., and very bright afternoon, with a cold air. Evening hazy & more wind. Fine night.		
Su. 18.	-11 -02	W ₄ WSW ₄ WSW ₅ & 6.	33 40 45	Cloudy, dark, and rain at times, with brisk wind. Rather finer after 2 p.m., and a very blowing eve- ning, and night with rain.		20 02
M. 19.	29.97 -72	SW ₅ SW ₄ SW ₃ 5.6.	43 48 51	Blustering & rainy morn- ing, and very coarse, and wet day: and increas- ed to heavy rain all evening and most of the night.	☾ ☽ ☽ * ☽ ☽	11 1.06
Tu. 20.	-62 -77	W ₆ W ₂ NE ₃	40 40 44½	Heavy & driving rain till after 3 a.m.: fine & sunny forenoon, then overcast and some rain at times and sleet in the evening.	Floods in valleys	17 03
W. 21.	-89 30.00	ENE ₄ ENE ₄ NE ₂	26 27 28	Cloudy with a keen wind. Frost, some snow at times, less wind after 4 p.m. More snow in the evening, and night.		0
418.28		247.294		Mean Temp 38° 64.) Rain cal. up 3.47		
		541		= Rather below Average.		

December 1870.

Dec.	Baro. meter	Wind.	Thermom. Min. 8. Max.	Weather, &c.	Notes.	Rain. 3.47
Th. 22.	30.03 -03	NE ₁ NE ₁ NE ₁	21 21 27	Sharp frost, & little snow, clouds & sun in the day, but chiefly snowy, and only part of Eclipse seen. Much snow in the evening.	new moon 0.19 p.m. Eclipse. ☾ ☽ ☽	0
F. 23.	-03 29.87	NW ₁ NW ₄ NW ₃	13 20 27	Severe frost, snow at times, increased to heavy and al- most continual snow (much drifting till 3 p.m. - Fine & clearer night & excessive frost.		0
S. 24.	-84 -80	NW ₀ W ₀ W ₀	6½ 8 23	Extreme frost, & clear, and the day bright, but some light clouds p.m. Day se- vere evening and night, and clear above, haze below & calm	Excessively severe frost. 8 p.m. 8° 11 p.m. 7°	
Su. 25.	-78 -72	W ₀ W ₀ W _½	3 6 23	Intensely severe frost, time on the trees, clear & calm, with haze below. Sun set in haze. Some snow in the night.	10 a.m. 11°	
M. 26.	-84 -99	W ₁ NE ₁ NE ₁	15 25 33½	Some abatement of frost but still severe, and cloudy with snow at times. The evening and night nearly the same.		0
Tu. 27.	-99 -87	NE ₀ N ₁ N _{4.5}	1½ 20 30	Severe frost continues, and in part clearer; more cloudy in the day & frequent snow. Heavy snow with a squall of wind 7 p.m.		0
W. 28.	-92 -96	N ₁ NW ₁ NW ₁	23 24 35	Continued frost, but more gentle. Clouds and sun but chiefly fair. Some snow in the eve- ning, sharper night.	☾ ☽ ☽	
418.67		99.1985		Mean Temp 21° 25.) Rain 2 over 3.47.		
		297.5		= 18¾° below Average.		

December 1870.

Dec.	Barom. etc.	Wind.	Thermom.		Weather, &c.	Notes.	Rain. { 3'4' }
			Min.	8 am Max.			
Th. 29.	30.07 —08	NE o. NE o. NE o.	21 28 31		Continued frost and chief moon-ly bright, most of the day. 1st Dr. but more clouded in the evening. Some snow, but severe night & fine.	4.38 pm.	
F. 30.	—17 —28	NE o. NE o. NE o.	10 20 31		Very severe frost, and chief by clear all the day. Some clouds at sunset, and snowing fast 9 pm: then fine & severe frost.		
S. 31.	—32 —30	Var o. SE o. NE o.	5 14 29		Very severe frost, grey sky and some sun: the air exceedingly sharp all day. Evening and night severe.		
18122			36	91	Mean 3 days. 21°16!)) Rain 3'4'		

Barometer.

Highest on the 1st — 30.67

Lowest on the 14th — 29.28

Range — 1.39

Mean of Month — 29.96

Gales on 3 days.

Thermometer.

Highest on the 14th — 57°

Lowest on the 25th — 3°

Range — 54°

Mean daily Range 10°

Mean of month — 31°76!

7¼° below Average!

Prevalent winds NE, NW, and SW. — Fine days 12.

Rain-fall 3'47 Inches.

This was throughout a very winterly month, and the last 11 days remarkably severe. It was the coldest December for 82 years past!!

Conclusive notes on the Year 1870.

Highest state of Barometer on Oct 1st 30.70.
Lowest state on Oct 24th — 29.02.

Hottest Day, June 22nd Thermom 85°

Coldest Day, December 25th, Thermom 3°!

Total Rainfall for the Year 25.02 Inches.

Number of fine days 236.

The Year 1870 was notable for its fineness up to Oct 7th, and it was a warm and dry summer and good harvest. The close of the year remarkably severe frost, and the mean temperature of December proved it to be the coldest December since 1788, a period of 82 years.

Monthly Results for 1870.

1870.	Winds.								Gales	Fine Days	Mean Barom	Mean Temp	Mean daily range	Rain fall.	Therm	
	E	W	N	S	NE	SE	NW	SW							Min	Max
Jan	2	4	1	2	5	3	3	11	2	19	30.06	36.91	8.54	1.66	18½	50°
Feb	2	1	2	5	8	5	2	3	2	17	29.94	34.80	9.28	0.63	19½	57
March	0	2	0	2	15	0	7	5	2	19	30.09	39.87	10.64	1.82	24	57
April	3	7	0	3	1	5	5	6	0	22	30.23	49.27	20.58	1.05	25	76½
May	2	2	1	2	4	3½	5½	11	2	24	30.15	54.08	21.53	1.22	32	82
June	0	6	1	1	4	3½	5½	9	1	22	30.21	60.90	19.16	1.84	42	85
July	3	7½	1	1	5	4½	0	9	0	20	30.11	65.96	17.12	3.17	46	83
Aug	3	4	0	0	8	2	9	5	1	21	30.08	62.43	16.04	2.47	43	80
Sept.	7	4	1	0	1	4	1	12	2	21	30.17	56.41	17.73	2.55	38½	71
Oct	4	9	0	4	1	2	3	8	4	16	29.88	50.23	12.30	4.07	35	66
Nov	2	8	1	3	1	1	5	9	1	23	29.88	41.38	11.03	1.07	26	56
Dec	2	4½	1	2	8	1	6	6½	3	12	29.96	31.76	10—	3.47	3	57
1870	30	59	9	25	61	34½	52	94½	20	236	30.06	48.66	14.49	25.05	3	85

