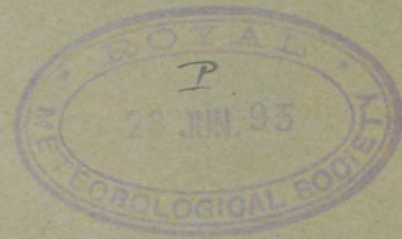


Daily notes on
the Weather &c,
in 1863 & 1864.

THW
10



Meteorological Journal,
1863.

January 1863.

Jan.	Barometer	Wind	Thermometers		Weather, &c.	Thermometers		Notes	Rain.
			Lowest	Highest		8 pm	Notes		
Th. 1.	30.07 29.92	SW ₅ SW ₆ SW ₅	34 48 53		Cloudy & blowing morning, and the same all day, but very mild, and a little sun at times. Flying clouds at Eve, and moon between.		windy & mild.		
F. 2.	-53 -67	SW ₆ W ₅ NW ₃ W ₂	48 51 52		Very gay morning, and flying showers, and at 10 am. hasty driving storm from NW. Bright afternoon, but colder. Bright moon at Eve. wind less.		very stormy morn. very fine p.m.	06 08	
S. 3.	-75 -70	W ₁ SW ₂ SW ₁ 2.	32 32 42		Hazy, little frost, bright in the forenoon, but cloudy afternoon, and colder than of late. Evening chiefly clear, and nearly calm.		Frosty & fine		
Su. 4.	-37 -52	S ₆ SW ₄ S ₁ S ₄ E ₃	34 44 46		Heavy gale & rain 3 to 5 am, then fine, and very bright from 10 am; & less wind. - More hazy again after 3, and wind rose in the Evens again. Hazy sky.		8 4 8	72	
M. 5.	-27 -17	S ₆ SSE ₅ SSE ₄ S ₄	38 45 47		Blowing & wet morning, and a squally dark, & showery day, but mild. Very rainy all the Evening, but less wind at times. Night finer.		Full moon 3. 32 am.	13 15	
Tu. 6.	-24 -28	SE ₁ SE ₁ SE ₄	37 40 45 1/2		Dark & showery forenoon, but a fine sunny afternoon the Evening hazy, and wind again rising, with rain at times. Night finer.		□ 4 8	06 11	
W. 7.	-29 -50	SW ₂ SE ₂ SE ₀	38 40 40		Hazy clouds, & some sun, rather cold & raw air: more hazy in the afternoon. - Calm & frosty Evens, chiefly clear.		□ 8 8		
41 3 28			26 1 32 55	58 6 5	Mean Temp 41° 89. -) Rain cal over 0.71				

January * 1863.

Jan's.	Baro. meter.	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain. 0.71
Th. 8.	29.67 -78	SE ₁ SE ₂ SE ₁	32 38 43	Kind & chiefly clear morn, and very bright most of the day, with keen air. — Cloudy Evening, and very nearly calm. —	34	□ 4 ♀	
F. 9.	-82 -92	W ₁ SSE ₂ SE ₃ SE ₂	32 34 41	Very foggy, but cleared off at about 10 am, clouds & sun, with more wind, and very cloudy afternoon and evening. —	38		
S. 10.	-94 -84	E ₃ E ₃ E ₂	33 37 40	Cloudy with sun in the forenoon, but more cloudy afternoon, & very cold wind. Evening cloudy, but less wind. — misting night. —	37	very cold & drying.	
Su. 11.	-88 30.12	NE ₁ NE ₁ N ₀	35 37 39	Some rain at 3 am, and fog with misting all the morn, & harder rain at times, till noon: finer af- ternoon & Even, and cloudy. —	37	□ 8 ♀	07 13
M. 12.	-24 -18	SE ₀ SE ₂ SE ₄	28 28 43	Clear & hard frost, bright till noon, then hazy & cloudy and a blowing Even, with rain at times, warmer in the night. —	40		05
Tu. 13.	29.99 -94	SE ₁ SW ₂ W ₂	36 39 44	Much rain all the mor- ning, and till after 10 am; afterwards variable, and little showers. Clearer at 4 pm. Valis flooded. —	38	moon last Dr 0.6 am. Δ 1/2 8 floods.	55 08
W. 14.	30.28 -38	NW ₁ NW ₂ NW ₂	32 32 42	Thick fog, & freezing air, cleared off at 11, some sun & flying clouds, Evening, & night very cloudy. —	38		
Mean Temp 37° 1/4. —) Rain cal' up 1.59							

419.98

520

January * 1863.

Jan's.	Baro. meter.	Wind.	Thermom. Lowest 8 am Highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain. 1.59
Th. 15.	30.50 -52	NE ₃ NE ₂ NE ₃	36 38 42	Cloudy, with sun, and a keen drying wind, the Evening chiefly clouded, and wind brisk, but a fine night. —	37	Drying wind.	
F. 16.	-42 -37	NE ₃ NE ₄ NE ₄	33 39 41	Cloudy, & a drying wind, cold blowing day, but fine. the evening similar to the day. less wind after 7.	36	cold and drying.	
S. 17.	-30 -12	NE ₂ E ₂ SW ₁	36 39 40	Cloudy, more or less, and gentle wind, cold, and gloomy; wind veered at 5 pm. to SW. Even cloudy. —	36	□ 0 4 Δ 1/2 ♀ Acornite, & snowdrop open.	
Su. 18.	29.40 -42	SW ₆ W ₃ NW ₅ NW ₄	31 1/2 40 41 1/2	Snow and rain soon after 12 last night, and rain & wind all this morn, till 6 am. the day fine & sunny, but cold. Stormy night. —	37	squally looking sky all day.	30
M. 19.	-28 -57	NW ₇ WNW ₆ W ₄ W ₃	37 46 49	Heavy gales early, & rain at times, but fine & bright after 9 am, yet very windy, and some clouds flying. Cloudy Even and wind less. —	43	new moon 4.2 pm. Blowing day.	06
Tu. 20.	-05 -39	W ₈ NW ₇ WNW ₇ W ₄	36 36 41	Violent gale all the morn lightning, hail & rain at times; fine & sunny after 10, but wind strong: — abating slowly all night. —	39	violent gale, &c. Δ 1/2 8	13
W. 21.	-60 -87	W ₄ NW ₄ NW ₂	35 37 42	Blowing morn, storm of sleet and hail at 9, then finer wind less, and sun bright, Clear Evening, and still less wind. —	37		06
Mean Temp 38° 6/4. —) Rain cal' over 2.14							

417.71

24452965
541

January 1863.

Jan ^y	Baro- meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest 8 pm	Weather, &c.	Notes.	Rain. 2'14
Th. 22.	29.80 -88	SW ₄ . SW ₃ . SW ₄ .	36 48 52		Cloudy, blowing & some rain early, fine & mild since sunrise, but chiefly cloudy, and close, the evening the same. -	very mild.	.08
F. 23.	-72 -90	S ₄ . S ₄ . W ₄ . W ₃ .	45 47 54		Cloudy, mild, and windy flying showers 1 pm, afterwards clearer & colder. Short shower 3 1/2 pm, then a clear Evening. -	very mild & squally.	.04
S. 24.	-80 -85	S ₄ . SW ₇ . SW ₄ .	35 42 47		Clear till after 6 am, then clouds & more wind. heavy gales, flying showers, and sun. - Aurora bright in N. - 7 pm. -	very stormy & galy.	.05
Su. 25.	30.12 -34	W ₃ . W ₄ . W ₂ .	36 38 47		Clear, with brisk wind very bright with but few clouds all day, but hazy from 4 pm. Fine night & less wind. -	Δ 0 h	
M. 26.	-37 -78	W ₃ . SSW ₅ . S ₅ . S ₆ .	38 1/2 41 47		Hazy, dry morning, but a squally day, mild, and little rain at times. Blowing all the Evening, -	moon 1 st 2 ^d 4. 54 pm. □ 0 ♂ Δ 1 ♀	.03
Tu. 27.	-72 -47	SW ₆ . W ₄ . NW ₄ . NW ₄ .	43 46 46		Squalls with showers 6 am, cloudy till noon, then clear from NW, and colder. Evening quite clear, & very fine night. -		.03
W. 28.	-58 -48	W ₂ . SW ₃ . SW ₁ .	33 36 45		Bright, and a drying & bleak air, more hazy after 2 pm, & mottled sky. Some fog in the Evening. -		
421.61		266.5338		Mean Temp 43° 17. -) Rain & up 2' 37			
		604.5					

January 1863.

Jan ^y	Baro- meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest 8 pm	Weather, &c.	Notes.	Rain. 2'37
Th. 29.	29.97 -92	SW ₆ . SW ₆ . W ₄ .	37 47 54		Blowing, mild & cloudy morning, became bright with flying clouds, & very blowing. Less wind in the Evening, but still brisk, & fair. -	Squally & very mild.	
F. 30.	-72 -58	SW ₃ . SSW ₅ . S ₅ . -4-	43 49 52		Mild and cloudy, with gusty wind. - More lowering after 2 pm, very close evening - and some rain during the night. -	Δ 24 ♀ Birds singing	
S. 31.	-50 -75	SW ₁ . SW ₂ . W ₃ . NW ₃ .	43 46 49		Mild & heavy, followed by frequent showers of rain, in the forenoon. Finer after 1 pm, wind veered & colder. -	Dark & rainy.	.12 .17
178.44		123.155		Mean Temp 46° 33. -) Total rain 2.66			

Barometer.

Highest on 28th - 30.58
Lowest on 20th - 29.05
Range - 1.53
Mean of month 29.85.

Thermometer.

Highest on 23rd & 29th - 54°
Lowest on the 12th - 28°
Range - 26°
Mean daily range - 9° 16'
Mean of Month - 40° 8'.

Gales on 11 Days!

Prevailing winds SW, & SE; - Fine days 14;
Depth of rain 2.66 Inches.

This was a very unsettled, stormy, and mild month, with little exception throughout, and not much sickness, except in some valleys, where Quinsy, and various forms of Cynanche prevailed, with some fatal cases.

February 1863.

Feb.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain.
Su. 1.	29.92	S 5. SW 4. SW 3. W 3.	34 38 45		Cold & squally after sunrise, cloudy & some rain, about noon, & fast till near 2 pm. then fair & cleared off to a bright eveng., till 9 pm.	38		71
M. 2.	30.02	SW 3. SW 5. SW 4.	37 43 49		Cloudy, and squally wind) all day, rain after 2 pm. although but slight, and a mild & cloudy evening. and night, little rain.	47	very squally.	03
Tu. 3.	-87	SW 3. SW 2. SW 2.	46 48 49½		Cloudy, mild, & close, with some showers, finer after noon, & some sun. Fine evening, with some clouds, & less wind.	46	Full moon 10.25 pm. Δ 4♀ Δ 4♀ δ 4♀	06
W. 4.	30.25	SW 1. SSW 4. SW 4.	33 35 50		Clear morng, little frost, chiefly bright till 11, then a blue haze, more wind, and a cloudy afternoon, with a little rain. Very gay night.	49	violent gusts of wind all night.	03
Th. 5.	-10	W 7. W 4. W 2.	40 40 49		Heavy gales till 3 am, and some rain, finer & less wind in the day, the afternoon very bright, and evening more hazy.	42		05
F. 6.	-32	W 2. W 2. W 3.	41 49 53		Cloudy and mild, but bright in the middle of the day, with light clouds, more clouds at evening. very mild night.	47	Δ 0 H fine & mild	
S. 7.	-29	SW 3. W 2. W 1.	43 49 54		Cloudy & mild, with sun at times, very fine and drying day. Close evening & nearly calm.	49	very fine & mild. Crocus in flower.	
421.58		274349.5		Mean Temp 44° 53. Rain cal. up .33				

623.5 A high temperature. -

February 1863.

Feb.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain.
Su. 8.	30.10	SW 1. NW 3. NW 5.	42 44 46		Close & cloudy morning; but became bright at 11 am, and mostly so in the afternoon with colder wind, and wacky clouds. Blowing evening, & very cold.	38	Fine & drying	
M. 9.	30.21	NW 2. W 2. W 1.	29 30 41		Clear, & frosty morng, and mostly bright till noon, then hazy & some clouds, even nearly calm, hazy & frosty inclined.	35	Keen air	
Tu. 10.	-21	SW 2. SW 3. SW 2.	35 42 50		Bright, & drying breeze, with light clouds, more clouds & heavier after 2 pm, but very fine. Mild & cloudy night.	45	very fine & drying.	
W. 11.	-31	SW 1. SW 3. SW 2.	41 45 48		Cloudy morng, blue haze after 10, then clearer, flying clouds, and sun. Evening in part cloudy, very fine night.	42	moon last. Dr. 10.46 am.	
Th. 12.	-40	W 2. W 3. W 0.	37 42 48		Bright morng, and very fine and bright all day, with a drying breeze. Clear & calm eveng & night.	38	very fine & sunny.	
F. 13.	-66	NW 0. NE 1. NE 0.	29 30 47		Clear, & frost early, very bright nearly all day, but some light clouds after 12, eveng clear, calm, and frosty.	36	frosty & fine.	
S. 14.	-74	E 1. E 2. E 0.	28 31 43		Hard frost & cloudy since 6 am, bright in the day, keen wind & seeds flying. Frosty & clear eveng.	33	Δ 4 H ♀	
425.43		241323		Mean Temp 40° 28. - Rain over .33				

564

Temperature declining.

February 1863.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather &c.	notes.	Rain
Su. 15.	30.68	NE ₀ E ₁ E _{1/2}	28 31 43		Clear & hard white frost, very bright all day, and keen air. Evening also quite clear, and frosty, & very little wind.	very fine & frosty.	0.33
M. 16.	-68	NE ₀ SE ₁ SE ₀	25 27 45		Sharper frost, & very white, quite clear, & so continued all day, warm sun, but cold shade. - Clear Even and sharp frost.	Δ 04 very fine & frosty.	
Tu. 17.	-68	SE _{1/2} SW ₁ SW ₁	25 1/2 29 47		Clear & sharp frost, and very white. Bright till 1 pm then grey haze, very thick, but sun visible & set. red. - Evening clearer, less frost.	very fine.	
W. 18.	-57	SW ₁ WSW ₂ W ₁ W ₁	27 30 46		Bright morn, some very red cirri at a distance, and very white frost, continued chiefly bright, but more clouds from 3 pm. Even'g quite cloudy.	new moon 3.6 a.m. frost gone	
Th. 19.	-48	NW ₁ NE ₂ NE ₂	38 41 45 1/2		Some rain & thick fog, in the morn, then cloudy & somewhat foggy, but more fair. Evening thick, with mistling rain at times.	☐ H ♀	.13
F. 20.	-50	E ₂ SE ₂ SE ₁	39 42 45		Cloudy, close morn, some fog, but became bright after 1 pm, with low scuds from SE & ESE. - Frost & fog in the evening.		.08
S. 21.	-45	SE ₁ SW ₂ SW ₃	30 34 42		Cloudy & fog early, frost gone after 7 am, fog & sun by turns all day. Even'g very foggy, & more wind.	frosty night.	
427.98		21253135		Mean Temp 37°.54. Rain cal' up 0.54			
		526		A rather low temperature.			

February 1863.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	notes.	Rain.
Su. 22.	30.27	NW ₃ NW ₂ NW ₁	35 41 48		Clear after 8 am, cold breeze, bright day, with cumuli clouds, but more clouded after 3 pm, and cloudy Evening but fine.	* ♂ ♀	0.54
M. 23.	-40	W ₂ W ₃ W ₂	33 37 47		Some fog, but clear upward but soon hazy & cloudy, and some rain in the afternoon, at intervals, and in the eve- ning also. Night finer.	Skies unsettled.	.04
Tu. 24.	-40	N ₂ NE ₁ NE ₀	40 43 44		Cloudy, gloomy, and at times a slight misting, but mostly fair. Evening calm, and cloudy more or less. Night foggy.	very gloomy.	
W. 25.	-47	SW ₂ SW ₁ SW ₁	38 40 49		Foggy, more or less, but sun at times, fine, and mild. and the evening close & cloudy, with very little wind.	moon 1 st Dr. - 0.34 pm.	
Th. 26.	-48	SW ₂ SW ₄ SW ₂	42 43 48		Cloudy more or less, and more wind after 1 pm, & till about 4, then rather clearer, and less wind.	A drying day.	
F. 27.	-37	SW ₃ SW ₃ SW ₂	38 42 53		Clear at 5 am, afterwards light clouds & sun, fine & drying, bisk wind, and mild. Bright moonlight evening & less wind, but breezy.	fine, dry- ing, and mild.	
S. 28.	-37	SW ₁ SW ₂ S ₁	36 42 55		Cloudy morn, but from 9 am bright and warm, few light clouds, and little wind. Clear Evening, but hazy before.	very fine & warm.	
425.43		262344		Mean Temp 43°.28. -) Rain over 0.58			
		606					

Results for February 1863.

Barometer.		Thermometer.	
Highest on 13 th	30.76	Highest on 28 th	55°
Lowest on 1 st & 3 rd	29.87	Lowest on 16 th	25°
Range	0.89	Range	30.
Mean of month	30.36!	Mean daily range	12° 14
Gales on 2 days only.		Mean of month	41° 4.

Winds chiefly S.W. and W. - Fine days 21, and the
Depth of rains 0.58. of an Inch only.

February 1863 was a fine month, and in part mild,
but some keen frosts in the middle of the month. Vegeta-
tion forward, and public health similar to what was noted
for previous month. - Altogether a dry month.

March 1863.

March.	Baro. meter	Wind.	Thermom ^r 8 am	Thermom ^r 8 pm	Weather, &c.	notes.	Rain.
Su. 1.	30.11 -01	S E ₃ S ₄ SSW ₂	35 40 50		Bright with some mixed clouds, & wind rising, cloudy till 4 pm, then clear, & less wind, and bright moonlight Even ^g , some fog in the night.	Drying air.	
Mo. 2.	-03 -02	S ₂ S ₄ SW ₁	40 47 55		Fog till 8, little rain, then be- came clearer, very mild with gusty wind & light rain at times. Fine Even ^g , less wind, and light clouds.	Rather squally. till 3 pm.	'03
Tu. 3.	-04 29.95	S ₁ S E ₃ S E ₃ S E ₂	41 44 58		Very bright and warm, with a very drying breeze all day, and a clear moonlight Eve- ning, but cooler. - Some clouds on West horizon.	very fine & warm.	
18076			116	163	Mean Temp 3 days 46° 5.		
			279		Rain cal up -		0.03

March 1863.

March.	Baro. meter	Wind.	Thermom ^r 8 am	Thermom ^r 8 pm	Weather, &c.	notes.	Rain.
W. 4.	29.85 -80	S E ₂ S E ₂ S E ₁	37 43 57		Bright all day, with dry- ing breeze, but warm, and pleasant. - The Even ^g clear, ex- cept distant clouds in the West. Night rather frosty.	3 h ^{rs} very fine & warm.	
Th. 5.	-80 -82	S ₁ S ₁ SSE ₂	32 ¹ 37 60		Frosty & fog below, but soon very bright, & great change to very warm air, with curdled clouds, & gentle wind. Even ^g al- so curdled & electric.	Full moon 2.46 pm. Δ H ^{rs} lovely day.	
F. 6.	-73 -53	SSE ₂ SSE ₆ SSE ₄	38 44 58		Bright with electric bands of cloud, followed by a gale, driving up the dust all day, flying clouds & bright sun. - Dark clouds & Thunder at 3, and a squally Even ^g . few rain drops.	Blowing but warm, & Thunder pm, in NW.	
S. 7.	-70 -60	WSW ₃ SW ₃ S ₃ SSE ₂	39 42 52		Bright with cumuli clouds and cooler breeze, more hazy after 1 pm, and shows for rain all the rest of the day. - Rain in the night.	□ O H	
Su. 8.	-60 -65	SW ₃ W ₃ W ₂ S ₁	34 38 46		Hard rain at 1 & 2 am, but fine & bright after sunrise, and mostly so till noon, rocky clouds & little hail in the afternoon, Evening hazy, some lightning.	rain early AM. - Hail pm.	'33
Mo. 9.	-72 -61	SW ₁ W ₁ S to E ₂ S E ₁	33 35 47		Bright morn ^g , the day chiefly so, with rocky clouds, and some darker at a distance. More cloudy after 2 pm, and dark, rocky clouds in the Even ^g .		
Tu. 10.	-49 -49	E ₁ NE ₁ NW ₂ S ₁	32 36 43		Grey frosh, & thick morn ^g , more or less cloudy all the day, with gleams of Sun. Some rain at 3 pm, with snow at times till 4.	gloomy & slow.	'03
41539			245	363	Mean Temp 43° 46.		
			608.5		Rain cal up -		'39

March 1863.

March	Baro meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	notes	Rain
W. 11.	29.56 -74	NW ₂ NW ₂ NW ₁	29 34 44		Fog & frost early, more fair in the day, clouds and Sun. Little hail at times. Fine evening, nearly calm, clear and frosty night.	Little Hail.	39
Th. 12.	-66 -30	SE ₁ SE ₂ SE ₅ 6.	27 31 44		Thin frost, & very white, soon a change, cloudy, thick, and very blowing, with some rain, from 3 pm, and a wet and boisterous evening. Night finer.	moon last Dr 6.55 pm.	27
F. 13.	-37 -55	SW ₂ SW ₂ SE ₁	35 38 48		Cloudy, very dull till noon, afterwards bright, with loose cumuli clouds, pleasant afternoon. Evening rather foggy and wind veered again.	very fine P. M.	
S. 14.	-61 -45	S ₀ SE ₂ SE ₁	30 35 50		Frost early, & little fog, but bright after 7, and till noon, then hazy, with heavy clouds, & very electric. Evening clearer again, but night hazy.	Δh♂	
Sa. 15.	-31 -59	E ₂ NE ₂ NE ₂ 4.	35 39 45		Rainy morning from 4 am, & till near 8. Fine day, but cloudy & cold, with little sun. Evening fine, and in part clear, & blowing more.	*H♀	21
M. 16.	-82 30/13	NE ₃ NE ₃ N ₃	37 39 45		Rain at times between 3 and 7 am, then finer at times; but lowering, & some little showers; Evening & night finer, & partially clear.		13
Tu. 17.	-22 -26	NW ₃ NW ₃ NW ₁	34 38 45		Bright with flying clouds; cold breeze, but cheering in the sun shine. Clear, and cold evening, but less wind.	very fine.	
41557		227323		Mean Temp 39° 28.5.) Rain E. up 1.00			
		550					

March 1863.

March	Baro meteo	Wind.	Thermom.		Weather, &c.	Thermom. 8pm.	notes.	Rain.	
			8 am	Highest					
W. 18.	30.10 -06	NW, 33 NW ₁ 37 NW ₂ 44			Bright from 7½ am, till 9 am then cloudy & cold, and the Evening more cloudy, and very little wind. Somewhat clear- er & frost during night. —	38	cold and cloudy pm. —	1.00	
Th. 19.	-11 -21	NW, 29 N ₁ 36 E ₀ 43			Frost early, soon foggy, dark and thick, & so continued, with little rain at times. Evening finer from 4 pm, and little sun till setting. —	39	New moon 2.37 pm.	.03	
F. 20.	-05 29.88	S ₃ 32 SW ₄ 40 W ₃ 53 W ₄ 6			Cloudy, little wet, & blue haze, cleared after 12, bright & warm- er, but windy; but squalls & rain 3 pm, and during the Evening. Blowing night. —	44	Squally.	.04 .07	
S. 21.	-99 30.27	NW ₅ 42 NW ₄ 45 NW ₃ 49½			Cloudy & windy, little sun at times, and a drying wind, Evening also chiefly cloudy, but fine & wind less. —	41			
Su. 22.	-40 -44	SW ₁ 37 SW ₂ 40 SW ₁ 56			Foggy morn'g, clearer from 9 am, and a bright & pleasant day. Evening close, and cloudy, with but very little wind, and mild atmosphere. —	50	84° □ 88° fair, & warm.		
M. 23.	-48 -50	SW ₁ 39 W ₁ 46 W ₀ 60			Bright with grey clouds, & very little wind, warm, & pleasant day, and calm, and soft Evening. Very fine night, and light clouds. —	54	80° warm & fine.		
Tu. 24.	-51 -56	W ₁ 42 W ₂ 47 W ₀ 61½			Bright and warm, with a few light clouds, and gentle wind. Evening hazy below, but clear above. — Calm, and serene. —	54	very fine & warm. Racoon butter- fly seen. —		
42 3 56		25 4 36 7		Mean Temp 44° 35' —					Rain & over 1.14
		621							

March 1863.

March	Baro. meter	Wind	Thermom. lowest 8 am.	Thermom. highest 8 pm.	Weather, &c.	notes.	Rain
W. 25.	30.58 -61	SW $\frac{1}{2}$ W ₁ W ₀	38 47 61		Cloudy but cleared off in the forenoon, very bright & warm afternoon. Sun set red in a haze, and the night hazy.	very fine & warm	1.14
Th. 26.	-40 -32	W ₃ W ₆ W ₄	40 46 59		Bright with a parching wind, more cloudy from 9 am, very blowing day, with clouds and sun. Red in the west at sunset.	blowing day.	
F. 27.	-47 -29	WNW ₂ W _{6.5} W ₄	34 41 56		Clear & bleak morning but hazy & some clouds after 11 a.m., & more wind at times. Stormy sky at sunset. but a fine day & night.	moose 1 st Dr 8.58 am.	
S. 28.	-01 29.90	NW ₅ NW ₇ W ₄	43 52 58		Cloudy & very blowing, but with gleams of sun, and hazy above the clouds. Darker with rain at 6 pm. Night fine but windy.	very windy. Clouds & flowers.	.03
Sa. 29.	-83 -88	W ₄ WNW ₅ WNW ₆ WNW ₄	47 50 54		Windy & cloudy, but mild in the morning, very windy all day, & chiefly cloudy. Evening the same, but wind fell away during night.	blowing day.	
M. 30.	30.09 -20	S E ₁ E ₂ E ₂	40 43 44		Cloudy, little misting: continued cloudy, cold, and damp till 2 pm, then drier air, but very cold and gloomy.	cold, dark & unpleasant sun.	.02
Tu. 31.	-30 -38	E ₁ S E ₂ S E ₂ 1.	28 38 52		Keen white frost, fine and sunny day, but a cold wind. Evening very cold & frosty, and chiefly clear.	fair, but cold.	
42326		2703845		Mean Temp 46° 75. Rain total - 1.19.			
		6545					

Results for March 1863.

Barometer.
Highest on the 25th - 30.61
Lowest on the 12th - 29.30
Range - 1.31
Mean of Month - 29.96.
Gales on 6 days.

Thermometer.
Highest on 24th - 61° 5.
Lowest on 12th - 27°.
Range - 34° 5.
Mean daily Range - 15° 7.
Mean of Month 43° 75.

Winds chiefly West, SE, & NW. Fine days 21, and the depth of rain for the month 1.19 inch.

This was a March of a medium character, and on the whole a fine dry month, with some genial days for conducing to an early spring, but considerable sickness was prevalent.

APRIL 1863.

April.	Baro. meter	Wind	Thermom. lowest 9 am.	Thermom. highest 8 pm.	Weather, &c.	notes.	Rain
W. 1.	30.30 -20	E ₂ ESE ₂ E ₁	28 46 53		Clear, frost early, bright all day, but cold breeze. Cirre at sunset spread in the west & SW.	parching breeze.	
Th. 2.	-47 -31	NW ₁ NE ₁ E ₀	29 46 58		Frost early foggy till 9 am. bright and warm day, with light electric clouds. Evening clear, & calm. Moon very bright.	very fine & parching.	
Good Friday 3.	-31 -26	W ₁ W ₀ W ₀	30 48 60		Bright, but frost early, fine and calm, curdled clouds & sun, warmer & very pleasant, close evening & cloudy.	very fine & warmer.	
S. 4.	-12 -00	SW ₁ SW ₃ W ₃	40 49 55		Hazy & close, then cloudy little rain at times, but cleared at 4 pm, and the evening bright moonlight.	Full moon 4.9 a.m.	.03
24167		127226		Mean Temp 44° 125. Rain cald over .03			
		353					

APRIL 1863.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	Notes	Rain. 03
Easter Su. 5.	29.93	SW ₃ SW ₅ SW ₃	35 48 54		Stormy, blowing & cloudy, with little sun at times, evening cloudy, and less wind. Close & cloudy all the night. —	8 1/2 8	
M. 6.	-73	SW ₄ SW ₅ S ₃	46 55 58		Cloudy, & warm breeze, with some sun at times; very stormy looking clouds all the afternoon & evening. —		
Tu. 7.	-51	WSW ₄ W ₃ SW ₂	42 47 56		Storm of rain early a m., and some hail from rocky electric clouds in the day, but chiefly bright from 11 a m., and thunder showers at a distance. —	* O H S H 8 Thunder & hail, p.m.	07
W. 8.	-78	SW ₁ SW ₃ S ₄	34 50 56		Bright, & bleak morning, but hazy & cloudy after 11 a m., a little rain at times; and the evening misting & squally. Close night, & finer. —	* O 8 wryneck piping.	03
Th. 9.	-88	S ₁ S ₃ S ₁	48 59 66		Cloudy & much warmer, bright from 9 till 1 p.m., and hot sun, then again cloudy and very close evening, and night. —	very warm, wryneck again heard.	
F. 10.	30.01 29.90	SE ₁ S ₂ SE ₂	50 59 65		Fog & very warm morning — close day, electric clouds, and sun. Evening more cloudy and fresh breeze. Very close night, and thunder. —	very close & electric thunder at 11 p.m.	
S. 11.	-87 30.03	SE ₁ SW ₂ N ₂ NE ₁	50 55 60		Showers of rain from before 1 a m.; very close morning, and warm glance of sun till noon, the afternoon cloudy, some rain, and cooler: — somewhat foggy & blue haze. —	moon last Dr 1.23 a m.	22 04
41755		305415		Mean Temp 51°428.) Rain cal. up 0.39			
		720					

APRIL 1863.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	Notes	Rain 0.39
Su. 12.	30.08	ESE ₂ E ₃ E ₂	43 51 59		Hazy morning, but soon clearer, bright with elec- tric clouds, and again hazy after 3 p.m., and all the evening. —	8 04 Electric clouds.	
M. 13.	-76	E ₂ E ₂ E ₁	42 55 59 1/2		Very hazy morning, brighter from 8 a m., fine sunny day with electric clouds. Evening chiefly clear, and very little wind. —	very fine, & electric.	
Tu. 14.	-09	NE ₁ E ₁ SE ₁	41 47 57		Cloudy more or less, but some sun after 11 a m., at times; upper clouds in a SW current. Even hazy & dark clouds. —	* H 8 Redstart seen.	
W. 15.	-72	SE ₁ SE ₁ SE ₀	43 57 66		Fog early, bright from 7 a m.; very warm & fine with light clouds; more electric from 3 p.m., and cloudy evening. —	Δ 4 8 very fine & warm. cuckoo sang.	
Th. 16.	-09	W ₁ N ₂ N ₁	46 58 66		Cloudy with sun, but mostly bright in the mid-day, & very warm. Evening more hazy, with dusky clouds. —	8 4 8 fair and warm. swallows seen.	
F. 17.	-22	NW ₁ NW ₂ Var. 1.	42 57 65 1/2		Fog early, bright from 7 a m., and very fine and bright day, with few clouds & a fresh breeze. Evening more hazy. —	* 8 8 very fine & warm.	
S. 18.	-32	NW ₂ NE ₂ NE ₁	47 54 60		Hazy morning, and cloudy forenoon, the afternoon brighter with clouds at times. Clear evening. —	new moon 3.5 a m.	
42240		304433		Mean Temp 52°64.) Rain cal. over 0.39			
		737					

APRIL 1863.

April.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. Highest 9 am	Weather, &c.	Thermom. 8pm.	notes.	Rain
Ap. April.	meter	Wind.	Lowest 9 am	Highest 9 am	Weather, &c.	8pm.	notes.	0.39
Et Su. 19.	30.32	S E 2	33		Bright all day, with a parching breeze, and a few light cirri clouds. Hazy clouds over all the west in the evening.		$\Delta \frac{1}{2} \frac{1}{2}$	
Su.		S E 2.		53				
	-20	S E 2.		63				
M. 20.	-08	S E 1.	40		Grey haze, & electric clouds, but warm, and at times bright; some dark clouds after 2, and heavy showers in the evening.	50		
		SW 2.		58				
	29.94	SW 1.		66			Showerly Even.	21
Tu. 21.	-94	SW 2.	40		Bright then hazy & cloudy with some sun, blowing afternoon. & many clouds & thick above them. Blowing & mild night.	51	Stormy air.	
		SW 3.		54				
	-90	SW 4.		61				
W. 22.	-72	WSW 7.	48		Very blowing & cloudy, but warm morn'g, followed by stormy rain at 10 & 11 am. sunny afternoon, but windy. clear sunset.	50	very stormy.	72
		W 4.		59				
	-93	W 2.		60				
Th. 23.	30.08	W 2.	40		Bright with rocky clouds, & some flying showers, with squalls of wind. Cold evening, and less wind. Fine night.	43	Squally,	33
		W 5.		53				
	-29	WNW 4.		59				
F. 24.	-45	WNW 3.	3 1/2		Bleak air with sun, & flying clouds; bright till 1 pm, then thick, and cloudy, with a little rain; evening calm cloudy & mild, without rain.	50		01
		WNW 2.		50				
	-40	SW 1/2.		58				
S. 25.	-33	WNW 5.	48		Warm & sunny, with brisk breezes, and fleecy clouds; electric & strong haze from 4 pm, warmer, & chiefly bright.	55	Nightingale sang.	
		WNW 5.		57				
	-33	W 3.		62				
42.191			283.5	429	Mean Temp 50° 88. } Rain cal up 76			
			712.5					

APRIL 1863.

April.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. Highest 9 am	Weather, &c.	Thermom. 8pm.	notes.	Rain.
April.	meter	Wind.	Lowest 9 am	Highest 9 am	Weather, &c.	8pm.	notes.	0.76
Sa. 26.	30.34	WNW 3	44		Bright with a warm breeze, & flying clouds, more clouds from 1 to 2 pm, but very bright afterwards, & clear sunset.	55	moon 1st 2nd 4, 8 am.	
		W 2.		59				
	-32	W 1.		63				
M. 27.	-19	SW 2.	38		Clear dewy morn'g, afterwards more wind, but very warm & bright, with flying clouds. Evening cloudy, less wind.	52	$\square \frac{1}{2} \frac{1}{2}$	
		SW 5.		62				
	-12	W 3.		65 1/2				
Tu. 28.	29.96	W 4.	46		Cloudy & blowing, followed by stormy rain from 9, till 11 am. then bright with some clouds, and very windy. Showerly night.	47	Stormy atmosphere.	15
		W 3.		53				
	-83	W 6.		56 1/2				05
		W 3.						
W. 29.	-87	NW 3.	37		Stormy, with showers, and some hail with them at times, cold squalls, & little sun. Very showery again during night.	41	Cold, and squally.	06
		NW 4.		48				
	30.02	NW 3.		51				
Th. 30.	-76	NW 2.	3 1/2		Shook showers early, and all the morn'g, & some with hail, and during the day the same, with sun at times. Fine evening.	44	very squally. Aurora bright at 9 pm.	25
		NE 2.		48				10
	-32	NE 2.		50 1/2				
30.173			202.5	286.5	Mean Temp 48° 90. -) Total rain 1.37			

Barometer.

Highest on 18th — 30.43.
 Lowest on 7th — 29.51
 Range — 0.92
 Mean of Month — 30.07
 Gales on 3 days.

Rain 1.37 In.

Thermometer.

Highest on 9th 15th — 66°
 16th & 20th }
 Lowest on the 1st am. — 28°
 Range — 38°
 Mean daily range — 19°
 Mean of month — 50° 19

Winds SW to W. Fine days 20.

This was a fine growing month, with a temperature 4° above the average, consequently vegetation was early and made a steady progress most of the month; but much sickness prevailed, especially Bronchitis, and Pulmonary diseases, with considerable mortality.

MAY 1863.

May	Baro. meter	Wind.	Thermom. Lowest 9 Highest	Thermom. 8pm.	Weather, &c.	notes.	Rain.
F. 1.	30.37	NE ₁ NE ₂ E ₂	32 1/2 50 57 1/2		Clear, cold morn'g early, continued bright & warmer with cumuli clouds, and gentle winds. Evening in part clear, but some haze. -	46	
S. 2.	-30	NE ₁ NE ₂ NE ₂	35 54 60		Clear, cold morn'g, fine day mostly bright with cumuli & other clouds, & fresh breeze. Cloudy Evening, and the night similar. -	Hawthorn in bloom. 48	
Su. 3.	-10	NW ₂ Var. 1/2 SE ₁	42 55 64		Cloudy but soon very bright and warm, so continued all day, with distant elec- tric clouds at 4 pm - in NW, and in the evening in E. -	Full moon 2.52 pm. 55	
M. 4.	-93	W ₁ W ₂ W ₁	50 56 65		Close & cloudy more or less all day, with some sun, but bright & very warm from 4 pm, and all the evening. - Fine night. -	Δ 1/2 ♀ 59	
Tu. 5.	-90	WSW ₃ W ₄ WNW ₃ E ₂	51 64 70		Bright with electric clouds, & brisk wind, but hot till after 12, then dark clouds, and cooler, little rain 2 pm. but again bright from 3 pm. -	Δ H. ♀ Showers in North. 52	.02
W. 6.	-20	Var. 0 SE ₁ SE ₂	36 56 66		Bright sun, & rocky elec- tric clouds; warm, and pleasant. Evening hazy with darker clouds. - close night but fine. -	Δ 1/4 ♀ 57	
Th. 7.	-18	SE ₁ SW ₃ NW ₂ N ₂	47 60 63		Hazy with electric clouds, and some sun, fine day but cooler after 1 pm, and wind veered much. - Clear sunset. Great Meteor from NW to SE. 7.50 pm. -	Lilacs full in flower. 49	
422 1/4		NE ₁	29 3/5 44 8/5		Mean Temp 53°.00. Rain 2. up - 0.02.	742.	

MAY 1863.

May	Baro. meter	Wind.	Thermom. Lowest 9 Highest	Thermom. 8pm.	Weather, &c.	notes.	Rain.
F. 8.	30.50	E ₁ SE ₂ SE ₁	35 55 64		Clear, very heavy dew, con- tinued bright all day, with fresh breezes. - Pure golden sunset, & very clear Evening. -	50	
S. 9.	-28	E ₁ E ₁ E ₀	40 61 71		Strong blue electric haze, but bright, and hot, with dap- pled clouds, & small knotty cumuli. Evening close, and darker clouds. -	very warm. 57	
Su. 10.	-05	NW ₂ N ₂ N ₁	41 61 64		Hazy but bright till near 10, then more hazy, with dark clouds, & cooler wind, but sun at times. Evening cloudy, & less wind. -	moon last Dr. 7.15 a.m. 54	
M. 11.	-13	NW ₁ W ₂ SW ₂	39 57 59		Bright morn'g, but soon hazy & cloudy, and more so after 2 pm, & little rain at 5, and rainy evening & blowing night. -	53	.30
Tu. 12.	29.85	SW ₅ SW ₄ SW ₂	47 56 58		Blowing early AM, rain af- ter 7, but fine & cloudy in the day, and rainy eve- ning, till near 9. but finer night. -	Δ H. 4 53	.02 .28
W. 13.	-73	SW ₂ SW ₃ SW ₂	51 60 64		Cloudy with sun, warm & growing, but gusty wind, and clouds stormy, with flying showers at 4 & 5 pm. then a fine Evening. -	54	.05
Th. 14.	-96	SW ₃ SW ₃ SW ₂	45 59 62		Bright but soon cloudy little showers at 10 & 11 am fine afternoon, hazy, with clouds and sun. Rainy Evening, but fine night. -	□ H. ♀ 54	.03 .16
420 6/9			29 8/4 42		Mean Temp 52°.857. Rain 2. over 0.86	740	

MAY 1863.

May.	Baro. metes	Wind.	Thermom. 9 ^{am} 4 ^{pm}	Weather, &c.	Thermom. 8 ^{pm}	notes.	Rain 0.86
F. 15.	29.95	S ₁ SW ₂ SW ₁	51 59 63	Close & dripping morn ^g , and many clouds all day, but some sun at times, & warm day. Shower at 4 pm, & thunder in NW, in the Evens. Sun set red. 5 ⁴		Thunder NW 6 ¹ 7 pm.	03 08
S. 16.	30.03	SW ₃ SW ₂ SW ₁	47 59 63	Bright, but soon cloudy, close and hazy, with gleams of sun, warm and growing day. Evening clear, and rosy sunset. Night close, & hazy. 5 ⁴			
Su. 17.	-02	S _{1/2} SSE ₁ SE ₂ W ₁	49 56 62	Hazy, close, and threatening, but chiefly fine & little sun at times. Evening clearer, & the solar Eclipse seen well. Night fine and mostly clear. 5 ⁶	new moon 4.48 pm. Δ 4 ⁸ Solar Eclipse.		
M. 18.	30.00	W _{1/2} NE ₂ NE ₃	4 ^{1/2} 55 60	Clouds & sun, but more cloudy from 3 pm, and cooler. The Evening very cloudy, and the wind cold, but fair; and blowing all the night. 4 ⁹	Δ 4 ⁸ Eclipse.		
Tu. 19.	-10	ENE ₆ ENE ₅ ENE ₄	45 48 50	Blowing hard from ENE, and nearly the same all day, and very cold and clouded over. Rather less cloud & less wind in the Evens & night. 4 ⁵	Blowing morn ^g . little rain 5 pm.		01
W. 20.	-17	ENE ₃ ENE ₄ ENE ₃	43 54 57	Cloudy with sun, and very cool wind, but not so rough as previous day. Evening cloudy, and milder than last. Fine night, and less wind. 5 ⁰	Δ 0 ^h elder flowering.		
Th. 21.	-31	ENE ₂ ENE ₂ ENE ₂	4 ^{1/2} 55 58	Cloudy with sun, and cool wind but very fine, and more sun from 1 pm. Cold evening, and partly clear, but a fine and temperate night. 4 ⁷			
421.34		324.4133		Mean Temp 52° 67. Rain cal ^d up 0.98			
		737.5					

MAY 1863.

May.	Baro. metes	Wind.	Thermom. 9 ^{am} 4 ^{pm}	Weather, &c.	Thermom. 8 ^{pm}	notes.	Rain. 0.98
F. 22.	30.23	NE ₃ ENE ₂ ENE ₂	42 51 58	Cold breeze, clouds & sun, some stormy clouds at a distance, and little showers here in the afternoon. Evening fair but cold, & cloudy in part. 4 ⁵			03
S. 23.	-01	ENE ₂ ENE ₁ ENE ₁	39 51 61 ^{1/2}	Bright with small clouds and cool breeze, very fine and parching. Clear evening, and chilly night. 4 ⁹			
Su. 24.	-01	N ₁ NW ₂ NW ₂	37 58 62 ^{1/2}	Clear, heavy dew, & cold morning, bright forenoon, some clouds, more cloudy in the afternoon: and cold and cloudy Evening. some rain. 4 ⁹			04
M. 25.	30.02	N ₂ NE ₃ NE ₃	43 54 58	Little rain early & in trifling drifts in the forenoon, but chiefly fine, with rocky clouds, & sun, and cold breeze. Chilly Evening & night. 4 ⁹	moon, 1 st 2 nd 8.47 pm.		03
Tu. 26.	-22	NE ₁ NW ₁ W _{1/2}	38 54 58	Cloudy with some sun, and less wind; brighter from 4 pm, and all the Evening. Pleasant, & nearly calm. Fine night, little haze. 5 ³	□ 4 ⁸ very fine.		
W. 27.	-35	WSW ₂ WSW ₂ W ₁ W ₁	40 62 69	Bright, and warm, with a few light clouds, and gentle wind. More hazy after 2 pm, very close, and sun set red in blue haze. 6 ¹	very fine & much warmer.		
Th. 28.	-38	W ₁ W ₁ W ₁	49 62 72	Hazy & electric, but soon became bright, and hot, till after 2, then closer, sultry & hazy. so continued all the Evening. 6 ⁴	very fine and hot.		
422.51		288.439		Mean Temp 51° 92. Rain cal ^d over - 1.08			
		727.					

MAY 1863.

May.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	notes.	Rain 1.08
F. 29.	30.33	WSW ₂ W ₂ W ₂ W ₂	51 70 78		Bright with blue haze, and very hot, electric and close afternoon, & evening. Two mock- suns, 7 pm. & 3 mock moons at 9 pm. Very sultry night. —	very hot & sultry. Dog-rose flowers.	
S. 30.	30.32	WNW ₂ W ₁ SE ₁ E	58 70 72		Very hot, with electric clouds, and very close & sultry. — Afternoon more clouded, and gentle rain in the even. 3 till after 9 pm.	□ 4 ♀	.13
Su. 31.	30.31	NE ₂ NE ₂ NE ₁	51 56 56		Cloudy, and much cooler, continued cloudy all the day, with gentle air. — Evening calm, & fine night.		
18187			1602065		Mean 3 days 61° 08.3.) Total rain 1.21		

Barometer.

Highest on the 8th — 30.50
 Lowest on the 13th — 29.73.
 Range — 0.77
 Mean of Month 30.136.
 Gales on 2 days, 11th & 19th.

Thermometer.

Highest on the 29th — 78° 5.
 Lowest on the 1st — 32.5.
 Range — 46°
 Mean daily range 18° 8.3.
 Mean of month 53° 4.3.

Winds chiefly NE, W, and SW. — Fine days 20. —
 Depth of rain 1.21 Inch. —

This was a good Spring Month, with a temperature
 about the usual mean, and vegetation went on
 after an early start, with but little check. —
 Grass and young corn, and beans, requiring more rain,
 have not run up much in blade or stalk, but the
 beans are well blossomed, even where a short stem. —

JUNE 1863.

June.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	notes.	Rain.
M. 1.	30.40	SE ₂ SE ₂ SE ₁	47 55 63		Close & cloudy morn., slowly cleared off by noon, bright, & small clouds in the afternoon. Clear night. Lunar Eclipse well seen, & beautiful. —	Full moon 11.30 pm, & total Eclipse.	
Tu. 2.	30.37	SE ₂ SE ₂ SE ₁	41 64 72		Bright with light clouds, very fine, sunny, and hot day. No clouds from 3 pm. — but a little haze about NW, at sunset. — Very fine night.	very fine.	
W. 3.	30.15	SE ₁ SSE ₂ SE ₂	50 72 78		Bright, and very hot, with a gentle breeze. — More hazy & electric after 1 pm. Very sultry even & black clouds. Close night, but fine. —	6 8 8 very hot & fine.	
Th. 4.	30.12	W ₁ NW ₂ W ₂ W ₁	55 67 71		Hazy, close morn., became bright and hot, but rather more wind, and cloudy after 2 pm, but again clearer from 4 pm, and a bright evening. —	Fair & hot.	
F. 5.	29.87	W ₁ WSW ₁ SW _{2.3} S ₂	49 64 68		Clear, bright morn., rocky cu- muli after 9, and more elec- tric. Hazy & cloudy from 1 pm. with rain after 2, and continued at times the rest of the day. Also rain during night. —		22
S. 6.	30.62	S ₃ SW ₂ SW ₃ W ₁	54 58 64		Rainy morn., increasing to heavy showers at 11 am, and till 12; fair & sunny then till after 3; but again showery and squally till 7 pm: fine night.	much show- ery rain.	52 28
Su. 7.	30.60	W ₂ WSW ₃ SW ₂ SW ₂	50 61 65		Rocky clouds, & sun. with dis- tant showers, & thunder. — And a heavy shower here at 4 pm. Evening mostly bright from 5 1/2 pm. —	showery & thunder.	.12
42013			346481		Mean Temp 59° 07.) Rain cal ^d over — 1.14		
			827				

JUNE 1863.

June.	Baro- meter	Wind.	Thermometer 9 a.m.	Thermometer 8 p.m.	Weather, &c.	Notes.	Rain. 1.14
M. 8. 29.60		SW ₂ .	50		Rocky clouds & sun, with squalls of wind, flying showers, & thunder near with lightning at 3 p.m. - Evenng showery.	moon last Dr 1.52 pm. Δ 0.4	.08 .04
	-72	SW ₄ .	61				
		SW ₂ .	65				
Tu. 9. -86		SW ₃ .	49		Bright at times, with rocky clouds; very bright moon & to 3 p.m. then a squall, and flying shower. Evenng very hazy. - Fine night. -	* 1/2 ♀	.03
	-95	SW ₂ .	61				
		SE ₁ .	66				
W. 10. -81		E ₂ .	51		Very hazy, with gentle rain from 8 a.m. till after 10 a.m. close afternoon, distant thunder, sun at times. Bright. Evenng, with distant clouds.	Distant Thunder.	.13
	-63	E ₃ .	57				
		SE ₂ .	63				
		SE ₁ .					
Th. 11. -63		SW ₄ .	54		Warm blowing mornng, and very windy day, with sun, and rocky clouds. Stormy clouds all the Evenng, and very electric.	Blowing hard from 11 p.m. last night, & gusty all day.	
	-75	SW ₄ .	61				
		SSE ₄ .	66				
F. 12. -63		SE ₃ .	53		Rain from 6 1/2 to 7 a.m., then became fine, and cleared off at 10, to bright sun, and cumuli clouds; clouded over & rain from 5 p.m. & cooler. showery night.		.17 .10
	-71	SE ₂ .	58				
		E ₁ .	65				
S. 13. -81		NW ₁ .	48		Showery mornng, till 6 a.m., then fine, with clouds, and sun. Some dark clouds at 4 p.m., but a sunny Evenng.	☉ ☿	.14
	-97	W ₂ .	57				
		NW ₁ .	66				
Su. 14. 30.10		W ₂ .	48		Bright mornng, with little blue haze, continued bright and hot, with light clouds close Evenng, very fine, and pleasant.	* 1/2 ♂ fine & hot.	
	-73	W ₂ .	64				
		W ₁ .	72				
41730			3534635		Mean Temp 58° 32.	Rain c ² up -	1.813
			816.5				

JUNE 1863.

June.	Baro- meter	Wind.	Thermometer 9 a.m.	Thermometer 8 p.m.	Weather, &c.	Notes.	Rain. 1.83
M. 15. 30.09		W ₂ .	59		Hazy & dappled, but bright, with low clouds at times; and sultry. More cloudy from 1 p.m. short shower at 3 p.m., and the Evening cloudy.	☉ ☿	.02
	-72	W ₂ .	64				
		W ₁ .	69				
Tu. 16. -71		W ₁ .	56		Bright with light clouds, and hot, till noon, then cloudy & showery all the Evening, with a close air and rain again in the night.	new moon 7.36 a.m.	.17
	-07	SW ₁ .	68				
		SE ₁ .	71				
		S ₁ .					
W. 17. -01		SW ₁ .	57		Rain early A.M., but fine after 8, bright and hot with rocky electric clouds. Close and calm Evening. Some clouds but chiefly sun.	very growing weather.	.33
	-02	W ₁ .	61				
		W ₁ .	70				
Th. 18. -02		SW ₀ .	50		Close with curdled clouds, and sun. Very electric dense rocky clouds from 10 a.m. & hot sun. Hazy & curdled evening. Wind drawing to Eastward.	very electric and hot.	
	29.96	SE ₁ .	65				
		SE ₁ .	72 1/2				
F. 19. -77		NE ₂ .	54		Hazy, closes, and lowering, rain from 9 1/2 a.m., and mostly very hard till 11 a.m.; then fine with sun, & mixed clouds, the rest of the day.	Hard rain S. M. - Fair. P.M.	.37
	-80	E ₂ .	62				
		SE ₂ .	64				
		SE ₂ .					
S. 20. -87		NE ₁ .	53		Thick fog early, became bright & hot after 8, till noon. But a dark and rainy afternoon till about 5. Continued cloudy some fog, but fine night.	☉ ☿ fair a.m. wet p.m.	.35
	-98	NW ₂ .	63				
		NW ₂ .	67 1/2				
Su. 21. 30.13		W ₁ .	54		Fog early, bright after 6, continued bright, and hot, all day and very hot from 2 p.m. sultry Evenng, calm, and gray clouds.	very hot.	
	-18	W ₂ .	65				
		SW ₁ .	75				
42013			383489		Mean Temp 62° 28.	Rain cal over	3.07
			872				

JUNE 1863.

June	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain 3.07
M. 22.	30.20 -14	SW ₁ . SW ₂ . SW ₂ .	58 68 72		A short shower last night at 12; close morn'g, bright after 8, and hot, but some blue haze & clouds at times; Even'g warm, with clouds.	Close & Sultry.	.02
Tu. 23.	-22 -28	SW ₂ . W ₁ . S E ₁ . S E ₁ .	60 69 77		Bright & very hot, with a few light clouds, and a gentle air. More electric after 3 pm. Clouds & haze in the evening.	very hot.	
W. 24.	-26 -21	SW ₂ . S E ₁ . E ₁ .	61 65 70		Close, & rain at times from 4 am, to 9 am, then fair. many clouds, & hot gleams of sun, with distant thunder. Rain from 9 pm, thunder & lightning severe.	moon 1st Hr 10.31 am. Thunder & lightning.	.13 .22
Th. 25.	-13 -27	N E ₂ . NW ₁ . Var. o. S E ₂ .	60 66 68		Showers with thunder and lightning till 3 am. Close & foggy till noon, & distant thunder. Bright afternoon & electric. Evening rather foggy.	continued thunder.	.20
F. 26.	-31 -20	Var. o. S E ₁ . S ₁ . W ₂ .	57 69 72		Fog early, cleared at 7 am, bright & very hot, till after 1, then rather cloudy, and the evening very cloudy, and cooler. Little rain.	* ♀ ♀ * ♀ ♀	
S. 27.	-10 -01	SW ₃ . SW ₃ . WSW ₂ . S ₁ .	53 61 68		Showery at 4 & 5 am, then fair with clouds, but the afternoon bright with less clouds. Fine sunny evening, and night chiefly clear.		.20
Su. 28.	-07 -04	W ₂ . WSW ₃ . WSW ₂ . SW ₁ .	50 64 67		Bright morn'g but many clouds after 9 am, & cooler breezes, but brighter & warm afternoon and more electric in the evening with clouded sky.	Fields & gardens in full splendour.	
422.44		399.495		Mean Temp 63° 85'. - Rain 3.84			
		894		A high mean. -			

JUNE 1863.

June	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain 3.84
M. 29.	30.09 -12	SW ₁ . SW ₂ . SW ₂ .	48 64 69		Bright with many rocky clouds, warm & pleasant. Short hasty shower 5 pm. fine, calm, & warm evening. Night cooler & nearly clear.	* H ♀	.03
Tu. 30.	-23 -40	SW ₂ . W ₂ . W ₂ . 1 & 0.	49 65 70		Bright, with fresh breeze and cumuli clouds, some large & rocky, but a calm. Even'g, & very bright & serene, sun set red in haze.	very fine.	
120.84		97.139		Mean Temp 2 days 59° - Total rain 3.87			

Barometer.

Highest on the 1st 30.30, 30.40

Lowest on the 6th 29.50

Range — 90

Mean of month 30.01.

No gales during the Month.

Thermometer.

Highest on the 3rd — 78°

Lowest on the 2nd — 41°

Range — 37

Mean daily range 16° 31.

Mean of month 60° 75.

Winds chiefly SW, and SE. - Fine days 13. -
Depth of rain 3.87 Inches. -

This was a remarkably growing and fruitful month, the temperature above the average, with refreshing showers, very conducive to vegetation, after the previous drought. The fields promise much, both in grain and straw, having rapidly improved in their general condition all this month. Public health at a medium. But little clover or grass cut for hay at present. -

JULY 1863.

July.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8pm	Notes.	Rain.
W. 1.	30.45 -32	SE ₁ SSE ₂ SE ₂	47 68 73		Clear, very bright, and hot, more dappled & electric in the afternoon, and fresh breeze: and the evening the same, & warm night.	Full moon 6.46 am. 65
Th. 2.	-14 -09	SW ₃ SW ₃ W ₂	57 68 72½		Bright with dappled sky, became windy & more cloud but hot, flying shower at 4½ pm. Fine evening, less wind, and grey clouds.	65 01
F. 3.	-22 -32	W ₃ W ₀ SE ₂ S. 1.	56 65 68		Bright with brisk wind, in the morning, but soon calm & close, with lofty grey clouds; wind veered at 3 pm & became more again. Hazy & close evening.	very fine & pleasant. 62
S. 4.	-40 -42	SE ₀ SE ₂ SE ₁	5½ 67 71½		Bright with grey haze, in the morning, very fine & hot day rocky clouds and sun. Lovely evening, warm, and chiefly bright.	very fine and hot. 64
Sa. 5.	-43 -46	W ₁ Var. ½ E ₂ E ₂	52 68 72		Bright, and very hot, but more clouds after 10 am, and wind veered & rather increased, fine & warm day, and clear evening, with cooler breeze.	fair & hot. 62
M. 6.	-46 -39	SE ₂ SE ₂ SE ₂	48 67 72		Hazy early, became bright, with some clouds, but mostly clear & hot, with fresh breeze. Evening bright, & fresh breeze continues, less after 8.	very fine & hot. all nature splendid. 63
Tu. 7.	-23 -13	SE ₁ SE ₂ WSW ₁	57½ 77 83½		Bright, and extremely hot, with a few small electric clouds; thunder in NW, 3½ pm, in rocky clouds. - but fine evening & night.	moon last Dr. 10.28 pm. Extremely hot. 74
424.46		37.25125		Mean Temp 63° 17.8. Rain var. up 0.01		
		884.5		The Temperature a full Average.		

JULY 1863.

July.	Baro- meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	notes.	Rain 0.01
W. 8.	30.26 -33	W ₂ . W ₁ . W ₀ .	5½ 71 75		Bright, and very hot, with light clouds, till noon, then close & sultry with blue and grey clouds. Even, calm, & very close, with electric haze.	very fine & hot.	
Th. 9.	-37 -40	NE ₀ . NE ₁ . NE ₁ .	55 70 76		Strong electric haze, but bright with curdled clouds, soon quite clear, & very hot, more clouds & wind after 1 pm. Sun set in cirri and haze.	very fine & hot.	
F. 10.	-47 -52	NE ₁ . NE ₁ . NE½	53 72 79		Fog till after 6 am, then bright, and extremely hot, with gentle air from N.E. - Very bright. Evening, sun set red in a purple haze. - Fine night.	great heat. & very fine.	
S. 11.	-52 -50	ESE ₀ . E½. S E½.	52 72 79		Light haze, but bright & some dappled clouds, and very hot & sultry, with scarcely any wind. Hazy & electric evening, and very fine night.	□ 0.24 Exceedingly fine, and hot.	
Su. 12.	-48 -50	E ₀ . E½. E ₁ .	53 73 80		Clear, & easy sun rise, very bright, and very hot, with little or no wind. but some small electric clouds; pale haze in the even, sun set as seen through it. - very close air.	□ 0.28 very fine & very hot.	
M. 13.	-56 -56	NE ₃ . NE ₂ . E ₀ .	59 65 70		Cloudy, & brisk wind, but a sultry morn: - cooler afterwards but clearer, general haze, but bright & hot pm. - Sun set red in an increased yellow haze.	very fine.	
Tu. 14.	-52 -47	NW½. W½. SW ₁ .	46 69 81		Bright, with the haze as before, and very hot as day opened. - Very bright, & nearly calm. - Sun set red in cream-coloured haze. - Beautiful night.	very fine and hot.	
42646		3755540		Mean Temp 65°.39. -) Rain cal over 0.01			
		915.5		A high mean Temperature, - and 2 above average.			

JULY 1863.

July.	Baro.	Wind.	Thermometer 9 Highest	Thermom. 8 pm.	Weather, &c.	notes.	Rain. 0.01
W. 15.	30.34	NW, 56 NW, 71 Var. 2. S E, 82			Bright with continued elec- tric haze, very hot, and bright all day; wind veered at 5 pm to S. - Sun set very red in haze as before. -	new moon 10.54 pm. * 2 3 very hot & fine.	
Th. 16.	-35	N 2, 55 NE 2, 60 N 1, 65 NW 2, 65			Cloudy more or less, all the morn'g, and cooler breeze. - Clearer afternoon, sun and grey clouds. Evening bright & much cooler, but fine night.	Fine, but cooler.	
F. 17.	-20	SE, 45 SW 2, 59 W 4, 71 W 2, 71			Cloudy with sun, rather electric, and lowering, but became a bright afternoon, with brisk wind, and evening also bright. Sun set red under bands of ribbed clouds. -	garching weather.	
S. 18.	29.81	NW 3, 48 NW 3, 55 NW 1, 67			Cloudy, lowering & very cool, with a few rain-drops at 8 am, brighter after 11, and fine afternoon, rocky clouds, and fresh breeze. Clear evening. -	showers at a dis- tance.	
Su. 19.	-11	WNW, 45 1/2 W 2, 63 WSW 2, 71 WSW 1, 71			Bright sun, with fresh breeze and small cumuli clouds; fine and pleasant day. - Evening closer, & more electric, still wind. - Fine night. -	very fine & pleasant.	
M. 20.	29.93	SW 1, 49 W 3, 63 W 1, 68 E 2, 68			Cloudy, with sun, and fresh breeze of wind. - but some- times very little, and pleasant afternoon. Wind to E, at 3 1/2 pm fine evening, in part clear. -	fair and pleasant.	
Tu. 21.	-90	SW 1, 4 1/2 SW 2, 62 S 2, 66 S E, 62			Bright with blue haze, & light curled clouds, fair till 3 pm then gentle rain increasing at 7 pm, and continued till about 10 pm. - Night finer. -	* 2 3 50	
421.03		343.490		Mean Temp 59°.5. - Rain cald up 0.51			
		833					

JULY 1863.

July.	Baro.	Wind.	Thermometer 9 Highest	Thermom. 8 pm.	Weather, &c.	notes.	Rain. 0.51
W. 22.	29.58	SW 2, 58 SW 1, 65 W 3, 67 NW 1, 60			Clouds & sun, but rain at 9 am & heavy at times till 10 am; very heavy thunder storm at noon, afterwards unsettled and rain at times, but fine after 10 pm. -	* H 3 Heavy thun- der storm.	18 44 29
Th. 23.	-98	WSW 1, 50 WSW 2, 62 W 2, 68 W 1, 61			Bright morn'g, and mostly so in the day, with rocky cumuli and drying breeze. - Very plea- sant day, and the evening bright with a golden sunset. -	moon 1 st 2 nd 9.32 pm. (very fine.	
F. 24.	-17	W 2, 47 W 3, 61 W 2, 65			Bright with fresh breeze all the forenoon, closer afternoon, and some clouds. Calm & plea- sant evening, with a few grey clouds. -	* O 2 O 4 3	
S. 25.	-04	W 3, 55 W 2, 63 NW 1, 63			Hazy & cloudy, close morn'g, little sun. More cloudy with light rain from 10 am, at times till after 3 pm. then fine & clearer. Very fine and clear night. -	Unsettled.	18
Su. 26.	-21	NW 1, 48 NW 2, 59 NNW 1, 66			Bright, till after 8 am, then some clouds, but again clearer after 11, and a very bright afternoon, with a cool breeze. Evening quite clear. Splendid sunset. -	very fine but cool.	
M. 27.	-33	SE 1, 46 SSE 1, 67 SE 2, 77			Clear, very bright, and very hot as day advanced. Some small elec- tric cumuli in the mid-day, but again clear from 3 pm. Sunset red in a purple haze. -	Exceedingly fine and hot.	
Tu. 28.	-24	SE 1, 52 SE 1, 67 SE 2, 77			Clear, except grey haze, bright and very hot, with a few small elec- tric cumuli. Sultry evening and somewhat hazy. - Night foggy after 11 pm. -	very hot & sultry.	
421.55		356.483		Mean Temp 59°.928. - Rain cald over 1.60			
		839					

JULY 1863.

July.	Baro. meter.	Wind.	Thermom. 9 am.	Thermom. 8pm.	Notes.	Rain. 1.60
W. 29.	30.12	Var. o. NW ₁ . NW ₁ . NW ₀ .	53 67 75		Electric clouds, & yellow haze, at 6am, then a blue haze, but soon bright and very hot; some small rocky clouds in the afternoon. Close even ^g , and some darker clouds. - Clearer night. -	* 1/2 8 very fine and hot.
Th. 30.	-30	NW ₁ . NE ₂ . SE ₁ .	52 64 68		Bright with rocky cumuli, very fine, but cooler breeze, and wind veering about much. Bright Even ^g , and sun set in full dusky & orange tint.	Full moon 1.33 pm. very fine.
F. 31.	-51	NE ₀ . E ₂ . E ₂ .	43 64 71		Clear, heavy dew, continued bright with small clouds, and nearly calm, but more wind & cooler again after 1 pm. Clear yellow sunsets. -	very fine. 58
181.87			148 214		Mean Temp 3 days 60° 33. -	Total rain 1.60

Barometers.

Highest on the 13th — 30.56
Lowest on the 22nd — 29.58
Range — 0.98
Mean of Month 30.24

Thermometers.

Highest on the 7th — 83° 5
Lowest on the 31st am. — 43°
Range — 40° 5
Mean daily range 20° 8
Mean of Month 61° 83

No Gales during the Month.

Prevailing winds this month the W, and S.E. - Fine days 28! -
Depth of rain 1.60 Inch.

This was a very fine, dry, and good Summer Month, with
many very hot days; but the mean temperature was di-
minished by the singular state of the nights, for on 9
mornings, we record Minima - low for the season, and such
as I never before noted in July amid high Maxima. -
Corn Harvest partially began in the last 9 days, crops promising,
and public health generally good, { but scarlatina & Measles
partially raged.

AUGUST 1863.

Aug.	Baro. meter.	Wind.	Thermom. 9 am.	Thermom. 8pm.	Notes.	Rain.
S. 1.	30.30	SE ₁ . SE ₂ . SE ₁ .	45 65 70		Clear morn ^g , heavy dew, light clouds after 8, but very fine, and warm. More cloudy after 12, dappled and electric evening with hazy sky, but fine. Distant thunder in S, at 4 pm. -	□ H 8 Fine, and pleasant, at 4 pm in S.
Su. 2.	-18	SE ₂ . SE ₂ . SE ₁ .	54 71 76		Bright with very electric dappled sky, and very hot, with a fresh breeze. - Thunder in NW. 5.46 pm. Sultry night, and distant lightning westward & northward.	very hot, & fine. Thunder in NW. even ^g .
M. 3.	-20	SW ₁ . SW ₂ . SW ₁ .	59 71 75 1/2		Sultry hazy & dappled morning and very sultry day, with sun and many clouds, the evening also very hot & close, and the night chiefly hazy. -	very sultry. 70
Tu. 4.	-12	SSW ₂ . S ₃ . SW ₃ . W ₁ .	58 71 80		Curdled & dappled, but hot, & some sun, became very hot after 10 am, with brisk wind tripling rain at 4 1/2 pm. but very showery even ^g till 8. -	very hot, showery evening. Fine night.
W. 5.	-02	W ₀ . SW ₂ . W ₁ . W ₀ .	60 66 73		Very sultry, calm & foggy morn ^g . Thunder in South, from 9 to 11, Bright afternoon, and very hot. Close & calm evening, and curdled sky, with some haze. -	(Thunder in S, near 10 am.) 67
Th. 6.	30.03	SW ₂ . SW ₃ . W ₃ . W ₂ .	60 65 69		Cloudy & gentle rain, at 5 & 6 am. and the same at times till 2 pm, with a sultry breeze. Then fair & clearer, but many clouds. Evening and night close, and less wind. -	moon last 2r. 10.5 a.m. 11 10
F. 7.	-12	SW ₂ . SW ₂ . WSW ₂ . WSW ₁ .	61 71 80		Very close, soon clearer; flying clouds & sun, and very hot, much hotter & brighter late in the afternoon. - 4 pm 80° 6 pm 78° - 8 pm 75° - 10 pm 72°, and only down to 66 all night.	very hot. & close. Hottest at 4 pm.
42 180			397 523 1/2		Mean Temp 65° 75. -	Rain E. over - 0.41
			920.5		A very high temperature. -	

AUGUST 1863.

Aug th	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	notes.	Rain.
S. 8.	30.27	SW ₂ SW ₃ SW ₂ -21 41.	66 73 84		Exceedingly sultry the whole night past, grey clouds & hot breeze all the morning, bright after 10 am, and extremely hot, some clouds again from 3 pm. - Electric & distant Thunder West. at Eve. 75	* 48 at 12 noon 76-82. at 2 pm 84. Thunder.
Su. 9.	-25	SW ₂ SW ₂ SW ₁ -23	61½ 72 81		Close with grey clouds, clearer after 10 am, but some loose cumuli, & sun, and very hot, most so at 4½ pm! Sun set brilliant gold tint amid small clouds. 74	very fine & very hot.
M. 10.	-22	SW ₁ WSW ₂ SW ₀ -19 81.	61 71 81		Electric clouds, with sun, & very hot, little more wind after 12, exceedingly hot and parching. but a calm even 5, distant Thunder. 78. very close night. {thunderous me 74 hears falling.	* H 8 very hot. Thunder at Eve.
Tu. 11.	-11	SW ₂ SW ₂ W ₂ NW ₂ -18	61½ 70 76½		Flying clouds & hot breeze, more cloudy at times, but still very hot, wind veered after 5 pm, rather cooler, and clearer evening. - Very fine night. 68	very parching.
W. 12.	-22	NW ₁ Var. ESE ₁ E ₁ -21	53 65 73½		Grey clouds, & sun, very fine and hot, and mostly calm, wind veered at 3 to E.S.E. Evening much cooler, with ribbled Arc of cloud from WSW to E.N.E. - 61	continued parching.
Th. 13.	-12	ESE ₁ E ₂ E ₂ -16 81.	53 66 74		Bright with light haze, electric clouds, & very hot, some darker clouds & much Thunder, South, all the forenoon. Afternoon bright and the evening and night chief-ly clear. - 62	δ H 8 Thunder. A.M.
F. 14.	-25	E ₁ E ₄ ESE ₂ -14	52 67 71½		Bright with curdled grey clouds, & distant Thunder South, 10 am. - Brighter afternoon, brisk wind. - Hazy & cloudy Even 3, and became foggy during the night. - 64	New moon 2. 3 pm, Thunder A.M.
42276			4085415		Mean Temp 67° 82. -) Rain & up 0.41	
			949.5		Temperature exceedingly high!	

AUGUST 1863.

Augt.	Baro. meter.	Wind.	Thermom. lowest	9 am	Thermom. highest	8 pm.	Notes.	Rain.
S. 15.	30.02 29.95	S E. S. SW. WSW.	60 74 82½				Fog early, electric & dappled above, became bright, and very hot, with brisk wind at times. Very bright & cloudless Evening. - 9 pm Therm 70°. Clear night & a gentle wind, very close air.	very hot & Electric. At 2 pm 82½
Su. 16.	30.00 29.96	S. SW. SW. SW.	59 71 80				Bright with a sultry breeze, flying clouds followed, & more wind, - very hot, with squalls of wind, & bright sun. Even3 more calm but at 8½ pm, another squall, - and flying shower.	* 04 Squally, yet very hot.
M. 17.	-87 -82	S. SW. SW. WSW.	58 65 74				Bright at first, but soon cloudy in part, then again bright, with cumuli only, & hot, but a stormy looking sky. Cooler Even3, and loftier clouds, with less wind.	* 0H Squally pm, rain during night.
Tu. 18.	-88 -93	WSW. W. W.	53 59 64½				Grey clouds & sun, soon very cloudy and cool wind, brighter from 1 to 3 pm, then a flying shower, afterwards again fine, with sun clouds & wind. Fine night.	cooler & little wet.
W. 19.	30.01 29.84	W. W. SW.	54 59 62				Cloudy, more or less, very gloomy all the forenoon; rather clearer after 1 pm, and then haze & gentle rain in the Evening. at times till after 8.	68 8 17
Th. 20.	30.00 -14	NW. NW. N.	51 61 65				Bright after 5 am, continued fine with rocky clouds and sun, & a cool breeze. Even3 cloudy & cool wind, continued, but a fine night.	57
F. 21.	-23 -21	NW. NW. W.	51 62 64				Clouds, & sun, with rather cool breeze, but fine. More calm & close from 2 pm; pleasant Evening, and very fine night. but haze & clouds.	61
419.86			386.492	Mean Temp. 62.71.		Rain cal: over 0.73		
			878	Temperature still above average - but lower this week than previous two.				

AUGUST 1863.

Aug.	Baro. meter	Wind.	Thermometer lowest 9 a.m.	Thermometer highest	Weather, &c.	Thermometer 8 p.m.	notes.	Rain 0.73
S. 22.	30.21 -15	W ₀ . W _{1/2} . W _{1/2} .	52 59 69		Red East, hazy, calm & dappled morn'g, cloudy, more or less in the day, with some sun, & very calm & pleasant after 12, and close Evening, and night the same.	64	moon 1st. Qu. 6.20 a.m.	
Su. 23.	-09 -04	SW ₁ . SW ₂ . SW ₂ .	58 66 74		Lowering morn'g little misting at 7 a.m.: then a fine sultry day, much cloud & little sun. Even'g very close, & cloudy, & sultry night throughout.	68	close & sultry.	
M. 24.	-02 -01	S ₁ . SW ₂ . SW ₁ .	61 67 71		Sultry morn'g, little misting at 7, but a fine & pleasant day, with many clouds & sun: but showers at a distance, and few drops here. Clearer night.	64		
Tu. 25.	29.88 -62	SW ₁ . SW ₂ . S ₄ . SW _{5:2} .	53 64 72		Mixed clouds & sun, very warm but squally, & flying showers, very heavy but short, & distant. Thunder. Sudden squall & turn of wind at 5 1/2 p.m., & rain, and thunder storm at 8 1/2 p.m.	58	flying showers. Thunder, & lightning	07 04 16
W. 26.	-63 -63	SW ₂ . SW ₂ . S E ₂ . S E ₂ .	52 65 67		Clear, bright morn'g, clouds follow ed after 9, clouds & sun, till 3 p.m., then rain more or less all the Evening. Finer after 9 p.m. Close night.	58	Rain. Ev- ening.	22
Th. 27.	-57 -63	S ₁ . S ₃ . S ₂ .	57 62 69		Rain at 5 a.m., and sultry morn'g, rain again from 7 a.m., till 9 a.m. then fine, & clearer, pleasant afternoon, some distant show- ers. Very warm even'g, clear after 8.	64	☐ H 8	16 20
F. 28.	-78 -84	S ₁ . SW ₂ . S ₂ . SSE ₂ .	56 67 74		Bright, and hot, with some light clouds, & pleasant breeze at times; very fine day, & bright Evening, but electric & thunder at midnight.	65	☐ H 4 Full moon 8.55 p.m.	
41810			389	496	Mean Temp 63° 21/4.		Rain c ^d up 1.58.	
			885		Temperature above Average.			

AUGUST 1863.

Aug ¹	Baro. ometer	Wind.	Thermom ^o lowest 9 a.m.	highest	Weather, &c.	Thermom ^o 8 p.m.	Notes.	Rain. 1.58
S. 29.	29.80	SW ₂ .	55	63	Sharp lightning & thunder in N.W. before 1 a.m., & rain here, fine & hot day, rocky clouds, & sun, till 4 p.m., a heavy shower, then fine evening, and clearer night.	62	Thunder-storm at 0.30 a.m.	10
	-96	W ₁ .		71				20
Su. 30.	30.02	SW ₀ .	50	64	Mixed electric clouds, & sun, calm & hot, very pleasant day, but stormy looking, more wind after 4 p.m.; fine evening, moon bright, & warm night.	63	Dense & rocky cumuli clouds.	
	-03	SE ₀ .		72				
		SE ₂ .						
M. 31.	29.94	SE ₂ .	59	66	Bright, with sultry breeze, but clouds followed, with flying showers, & heavy gusts of wind, very squally day, & sun at times.	67		12
	-88	SW ₃ .		67	Fine afternoon, & clear night.	62		
17963			164	211	Mean Temp 3 days 62° 5'.		Rain - 2.00	

Barometers.

Highest on the 1st - 30.30.

Lowest on the 27th - 29.57

Range - 73

Mean of Month 30.03

Faly on two days. -

Thermometers.

Highest on the 8th - 84°

Lowest on the 1st a.m. - 45° -

Range - 39° -

Mean Daily range - 16° 77.

Mean of Month - 64° 64

Prevailing wind, SW, number of fine days 21; and the depth of rain 2.00. Inches.

This was a very fine and hot month, highly favourable for Harvest work, and a most abundant corn crop was secured in fine condition. This was one of the most productive seasons ever known, which with the fine weather calls forth a National outpouring of gratitude. - Public health affected as usual by such disorders as are induced by hot weather at this part of the season. -

September 1863.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain.
Tu. 1.	30.14	SW ₂ W ₂ WSW ₁ SW ₀	53 60 66		Bright, with flying clouds, very fine and pleasant day. Evening calm & cloudy, with a mixture of curdled sky. Hazy in the night.	very fine & pleasant.	
W. 2.	30.01	SW ₂ SW ₃ SW ₂	52 60 65		Hazy, & cloudy, with sun, some flying showers, & gusty wind, yet chiefly fair, and the Evening cloudy, and rather close, & lowering. Rain at 8.	rain at 8 & 9 pm.	.02 .08
Th. 3.	29.93	SE ₁ SE ₃ SE ₁	55 68 74		Bright, after 6 am, sultry air, and continued very hot and clear, with brisk wind, and rocky cumuli, lovely Evening very close & less wind.	Fair & hot. - lightning in S. at 8 & 9 pm.	
F. 4.	30.04	E ₀ SW ₂ S ₂ S ₁	57 63 66		Hard rain at 2 & 3 am, became bright after 8, with flying clouds, and winds veered, fine & warm, but showers at a distance. Here at 4 pm, very heavy, with distant thunder after.	Thunder NE after the shower.	.30 .20
S. 5.	29.94	S ₁ SW ₂ SW ₂ 4.	50 62 65		Bright morn'g, & fine sunny forenoon, then cloudy and lowering, with flights of rain, & harder rain at 5 pm. blowing night, but finer.	moon last Dr 1.9 am.	.31
Su. 6.	29.94	W ₄ W ₄ SW ₂	48 59 62		Bright & windy morn'g, conti- nued bright with cumuli clouds, & brisk wind. Became very hazy after 4 pm, and much rain during the night.	57 wet night.	.37
M. 7.	29.58	SW ₃ W ₆ W ₆ 4.3.	53 62 65		Fine since 3 am, but lowering & galy, again rainy at 8 am, but soon fair, with sun & flying clouds, and strong gales all day. Rather less wind after 3 pm.	Strong Gales.	
419.26		3684635		Mean Temp 59°.39. - Rain 1.28			
		831.5		Temperature a little above Average.			

September 1863.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain.
Tu. 8.	30.03	SW ₃ SW ₃ SW ₂	49 59 64		Clear morn'g, and continued bright, with cumuli clouds, till noon, but quite cloudy after 12, and so continued, more or less. - Close Even'g & night.		
W. 9.	29.93	S ₁ SW ₁ S ₀ SE ₀	53 59 66		Cloudy, little wet, early A.M. became fine with electric clouds, and sun, warm & pleasant. Close & calm Evening, and a curdled sky. - Thunder after 12 pm.	warm & pleasant afternoon. lightning & thunder.	.06
Th. 10.	29.90	W ₂ WNW ₂ NW ₂ NW ₁	49 58 64		Lightning, Thunder, & rain at 1 & 2 am; finer after 3, and became bright at 8 am, fine & sun & cloud till a heavy shower at 4 pm. Thunder eastward after wards. - Even'g finer.	☐ ☐ ☐ ☐ ☐ ☐ Thunder.	.20 .21
F. 11.	30.14	NW ₁ NW ₂ W ₁	46 57 62		Bright sun, & cumuli clouds, very fine, but rather cool breeze at times. Cloudy Eve- ning, and rather closer. - Clearer in the night.		
S. 12.	30.31	SW ₁ W ₂ W ₂	47 1/2 55 60		Cloudy more or less, and but little sun, very thick and hazy upward. Gentle rain in the Evening. - Fine night.		.03
Su. 13.	30.32	SW ₁ W ₂ W ₂ S ₁	57 60 66		Grey curdled clouds, with sun, mostly bright till 11, continued very fine, with clouds & sun, & a fresh breeze. Even'g mean- ly clear, very fine night.	new moon 4.42 am.	
M. 14.	30.40	W ₂ W ₁ W ₂	48 1/2 56 61		Cloudy morn'g, but very fine, continued cloudy more or less, & very little sun-glam. Evening clearer, little haze, & nearly calm.		
4.22.63		344443		Mean Temp 56°.21. - Rain cal over 1.78			
		787		Temperature rather below Average.			

September 1863.

	Baro. metes	Wind.	Thermom. ^{9 Highest} Lowest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain. 178
Sept. 15,	30.31	SW ₁ .	49	Dark haze as before, & the same till 2pm, then clearer, and some sun, but many clouds, and cool breeze: and the Evening cloudy, but fine night.	56	Fair, but cloudy.	
W. 16.	-13	WSW ₂ .	55				
	-19	WSW ₂ .	59				
Th. 17.	-21	W ₁ .	52	Cloudy morn'g, but after 8, clearer, with sun, & fleecy cumuli clouds, but the evening hazy and cloudy.		very fine.	
	-13	W ₂ .	60				
	-13	W ₁ .	63½	Fine night, and clearer.	55		
F. 18.	-21	W ₁ .	4½	Bright morn'g, and very fine and bright day, with a few light clouds, and very warm afternoon. Sun set clear, and red. Evening chiefly clear.	58	Fair & very bright day.	
	-22	W ₂ .	58				
	-22	SW ₁ .	67				
S. 19.	-21	SW ₁ .	47	Grey clouds & sun, very fine & pleasant, but less sun than yesterday. Evening bright, but a haze on horizon. Very fine and calm night.	57	☐ ○ ☽	
	-19	SW ₁ .	58				
	-19	SW ₀ .	65				
Su. 20.	29.98	S ₁ .	51	Bright with dappled sky, became very bright all day after 10am, and very hot, with very brisk wind at times; cloudy evening, & windy, but very warm. Much rain at 12pm.	63	Fair & hot.	
	-80	SSW ₂ .	61				
	-80	SW ₄ .	72				
	-80	SW ₅ .					
M. 21.	-67	S ₂ .	51	Much rain till 2am, and again after 6, and till 8am, - then finer, & more sun from 1 till 6. Thunder in South at 3pm. Fine evening.	50	moon 1st Dr. 1.33pm.	.62 .11
	-58	SW ₂ .	52				
	-58	SW ₂ .	57				
Al. 21.	-37	S ₂ .	45	Bright morn'g, many cocky clouds came on after 10, and some distant showers passing; sun at times, & cool wind. Finer Even'g, clear & cool.	49		
	-19	SW ₃ .	53				
	-19	SW ₃ .	58				
41918			342.54425	Mean Temp 56°.07.		Rain cald up	2.51
			785	Rather under average.			

September 1863.

Sept.	Baro- meter	Wind.	Thermometer 9 highest lowest	Weather, &c.	Thermom. 8 pm.	Notes.	Rain
Tu. 22, 29 '10		SW ₂ 46 SW ₂ 51 W ₂ 54 SW ₁		Mixed clouds, & hazy, some rain at times, distant thunder, and little showers with sun between. Evening finer, but many clouds. Thunder in NW. 47		Barometer very low. 06 Thunder 8 pm NW.	
W. 23, - '11		SE ₁ 41 SW ₂ 50 SW ₂ 56		Clear, but soon cloudy, many clouds with sun at times, and distant showers, and slight shower or two here. Finer Evening, chiefly clear. 48		ΔH 8 δH ₂ 9	04
Th. 24, - '50		S ₁ 41 SE ₁ 52 S ₂ 57 SW ₁		Shower at 6 am, then fair, & some sun, frequent clouds followed, & little sun at times, little showers in the Evening. Hazy night in part. — 52			10 03
F. 25, - '72		SW ₁ 45 SW ₂ 53 W ₁ 61		Clear, bright morn'g, continued bright, with light cumuli, and a fine serene Evening, and nearly clear, & very little wind. Mist on the vales. 54		very fine & sunny.	
S. 26, 30 '08		W ₁ 42½ W ₁ 54 W ₁ 59		Clear, and continued bright till about noon, with few clouds, but cloudy afternoon & few rain drops. - Evening clear after 7 pm, - & clear night. 52			
Su. 27, - '29		SW ₁ 40 SW ₃ 52 SW _{5.6} 58		Clear, very cool morn'g, continued bright most of the forenoon, blue haze came on at 11½ am, blowing afternoon, clouds & sun. & cloudy even'g & night. — 54		Full moon 6.2 am. δδ 9	
M. 28, 29 '87		S ₄ 52½ SW ₅ 56 W ₂ 56 W ₀		Blowing but warm morn'g; lowering & hard rain at 11 & till noon, then finer & a bright afternoon with cooler breeze - & few clouds. - Clear & calm Evening. — 47			32
41 6 '14			308 401	Mean Temp 50° 64. -) Rain 8. over 3.06 709 A low Temperature. -			

September 1863.

Sept.	Baro. meter	Wind	Thermometer Lowest 9 am	Thermometer Highest 8 pm	Weather &c.	notes.	Rain in 24 hours
Tu. 29.	30.13	SW $\frac{1}{2}$.	39	47	Clear, cold morn'g, fine & bright day, few clouds, and blue haze after 2 pm. Bright evening, nearly calm, & few electric clouds. Cold night.	Large Meteor passed - 3.45 AM, and jarred the doors badly!	
W. 30.	30.04	SE $\frac{1}{2}$.	37	52	Clear & cold early, much warmer after 8 am, bright & warm, with fleecy clouds, & brisk wind. Cloudy dappled & hazy evening and warm breeze. Rain at 12.	Rain at midnight.	12
	29.81	SE $\frac{3}{4}$.	61				
	12010		76.5	119	Mean Temp 2 days 48° 8'. - Total rain 3.18		

Barometer.
Highest on the 14th - 30.42
Lowest on - 22nd - 29.08
Range - 1.34
Mean of Month 29.95

Thermometer.
Highest on the 3rd - 74°
Lowest on 30th am - 37.5
Range - 36.5
Mean daily range, 14.3.
Mean of Month 55.13

Gales on 2 days. -

Prevailing winds SW, and W. - Fine days 18, and
Depth of rain 3.18 Inches.

This month proved showery at times, greatly to the benefit of the long dry land, and exhausted pools, &c, but the latter part of the month was much below the average in temperature, even so as to reduce that of the entire month very considerably below what we have recorded for many years. And it is singular that after the very coldest morning of the month - the 30th, there was a sudden rise of temperature - exceeding all just previous, and so that the opening of October was very much more summerlike than Sept.

October 1863.

Oct.	Baro. meter	Wind	Thermometer Lowest 9 am	Thermometer Highest 8 pm	Weather, &c.	notes.	Rain.
Th. 1.	29.40	SSE $\frac{1}{2}$.	55	58	Rain at 2 & 3 am, sultry morning, very warm & bright after 8 am, & till after 12, then squalls, & some rain: darker clouds & hard rain most of the evening, & part of the night.	great rise of Therm. in 24 hours	15
	29.49	S $\frac{1}{2}$.	61				30
F. 2.	29.75	W $\frac{1}{2}$.	50	54	Cloudy till after 9, slowly cleared off by 10 ^{am} , bright & warm till 12, afterwards cloudy at times. The evening close, and cloudy, but fine.	60h 60f 6h8	
	29.93	WSW $\frac{1}{2}$.	59				53
S. 3.	29.99	S $\frac{1}{2}$.	53	57	Close & rain 6 am, finer at 7, cloudy & sultry, but wind gusty, and little rain at times. Even'g also sultry, but windy. Remarkably sultry all night.	ΔH 8	17
	30.00	SW $\frac{1}{2}$.	61				60
Sa. 4.	30.00	SW $\frac{1}{2}$.	59	62	Sultry morning, cloudy, & fresh breeze; clearer from 10 am, sun at times; little shower 2 pm, afterwards brighter. Evening fine & nearly calm, but cloudy.	moon last Dr 7.21 pm.	04
	29.13	W $\frac{1}{2}$.	65				55
M. 5.	29.13	SW $\frac{1}{2}$.	42	50	Clear and cooler morning, fair & sunny with electric mixed clouds, all the forenoon, but very cloudy afternoon, little misting. Night fine.		50
	29.05	S $\frac{1}{2}$.	57				50
Tu. 6.	29.05	W $\frac{1}{2}$.	42	47	Clear, & keener air all the morning: chiefly very bright all day, but a colder air than before. Sun set clear, and a clear and cold evening.		45
	29.08	NW $\frac{1}{2}$.	53				45
W. 7.	29.91	Var $\frac{1}{2}$.	41	55	Change & rain at 5 am, & till after 6 am, then fair & close, much cloud, but some sun. Very sultry evening, with fresh breeze, and chiefly overcast.		30
	29.87	E $\frac{1}{2}$.	59				56
	41878		342415		Mean Temp 54° 07'. - Rain cald over 0.98		
			757		A high temperature. -		

October 1863.

Oct.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	notes.	0.98
Th. 8.	29.82	E 3. E 3. E 1.	55 58 59		Sultry with blue haze, & overcast, little wet at times, but chiefly fog & drifting in the wind. Evening also close, less wind, and rather less cloud. —	57	02
F. 9.	75	S E 0. S 1. SW 1. S E 2.	54 56 57		Foggy & close, rainy at noon, but cleared off at 2 pm, sun at times. Bright coloured Mocksuns at 3, and distant Thunder. S.E. Showery Even, sharp lightning & thun. 3 pm.	Distant Thunder. 2 brilliant Mocksuns 3 pm.	19 07
S. 10.	78	S 3. S E 2. S E 2.	51 59 62		Blowing & clearer, mild morn, & continued bright & hot for the season, — with some grey clouds. Warm breezy evening, and night, and very fine. —	very fine & warm.	56
Su 11.	70	S E 2. S 3. SSE 1.	54 59 62		Warm morn, and a very fine bright and warm day, with drying breeze & light clouds. hard rain from 8 pm, most of the night. —	very warm & lovely day.	55
M. 12.	70	SSE 1. SSE 2. SE 2.	49 57 59		Rain till 3 am, fine & warm morn, after sunrise, and the day fair, sunny & warm, with flying clouds; fine evening and night, but hazy. —	new moon 6.42 pm. 33 3/4	48 54
Tu. 13.	50	SE 2. S 3. S 2. S 1.	51 55 57		Mild & squally air, but fine till noon, afterwards rainy, till near 3 pm, then fine, and clearer. all the evening, and night. —		72 51
W. 14.	64	SSW 1. SSW 2. S 1. S E 1.	50 58 62 1/2		Fine morn, and a very warm and bright day, with light clouds. Evening very warm, yet chiefly clear, and little wind. —	very fine & warm.	55
41612		3641185		Mean Temp 55° 89. —) Rain 2 up 186			
		782.5		A very high Temperature for the season. —			

October 1863.

Oct.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	notes.	Rain 186
Th. 15.	29.87	S E 1. E 1. S E 1. NW 2.	51 56 58		Hazy & close, followed by rain from 9 am, dark & rainy more or less most of the day, and wind veered round at 2 pm. Fine after 4 pm, but still very cloudy. —		42 53
F. 16.	87	SW 2. SW 3. SW 2.	49 54 59		Bright with flying clouds, and brisk wind. A very fine drying day, & warm sunshine. Even hazy, & closer. Some distant lightning during the night. —		51
S. 17.	01	SW 2. WSW 2. W 1.	49 57 58		Rain at 6 am, then fair & bright, with rocky clouds, pleasant day, and fine evening, nearly calm, but somewhat hazy. Night fine and chiefly hazy. —		11 48
Su. 18.	17	SW 1. SW 2. SSW 3.	46 54 60		Hazy, with light clouds & sun, very fine and pleasant, but the wind rather gusty. Evening and night sultry & chiefly cloudy, but fine. —	Δ 0.18	56
M. 19.	12	SW 3. SW 3. SW 3.	54 60 62		Close morn, clearer after 8 am, very warm and bright at times, with much flying cloud. Very sultry evening and grey clouds. Fine night and very warm. —	moon 1.42. 2. 8.6 pm. fine & warm.	59
Tu. 20.	15	S 2. SW 2. W 1. N 1.	55 58 60		Close & sultry morn, misting shower at 10 1/2 am, then clearer & fair, but cloudy more or less. Wind round to W, at 4 pm, and clear in that quarter. — Clear night. —		03 53
W. 21.	30	W 1/2. S E 1. S E 1/2.	43 51 59		Calm & hazy morn, warm and serene day, rather electric light clouds, and sun at times bright. Lovely even, calm, with white curled clouds & moon between. —	very fine & warm. Jovianer about.	53
42129		347416		Mean Temp 54° 5.) Rain cal. over 2.42			
		763		Still a high mean temperature.			

October 1863.

Oct.	Baro. meter	Wind.	Thermom. lowest 9 a.m.	Thermom. highest 8 p.m.	Weather, &c.	notes.	Rain
Th. 22.	30.20	SW ₁ .	51		Little rain at 6 a.m., cleared off at 8, warm & bright at times, but many clouds.		2.42
		W ₂ .	56		Calm evening, foggy, but clear above. - Cooler night. -		.08
	-28	W ₀ .	59				
F. 23.	-30	W ₁ .	41		Fog, but clear above, very fine and bright all day, & nearly calm. Clear and calm evening. Cold night.	very fine & bright.	
		W ₂ .	46				
	-38	W ₀ .	55				
S. 24.	-38	NW ₀ .	35		Fog below, clear upward, very bright forenoon, but some grey clouds after 1 p.m.; and lovely evening, curdled sky, & moon bright. -	very fine	
		E ₁ .	42				
	-30	SE ₁ .	54				
Su. 25.	-22	SE ₂ .	47		Grey clouds, & dry breeze, became bright & warm, with more wind at times, colder after 2 p.m., calm evening, clear, cold, & frosty, and the night also.	very fine.	
		SE ₃ .	52				
	-13	ESE ₂ .	55				
M. 26.	-12	E ₀ .	34		Clear, keen frost, but soon much warmer, very bright, and calm, all day. - Evening foggy & frosty, but clear above. - Night similar.	Full moon 5.55 p.m. Δ H Δ	
		E ₀ .	43				
	-15	Var. ₀ .	56				
Tu. 27.	-11	SE ₀ .	35		Fog, & grey clouds above it, fog went off at 8 a.m., but cloudy more or less all day, but calm, and mild. Evening the same. - Closer night, but fair. -	very fine.	
		SE ₀ .	44				
	-02	SE ₀ .	51				
W. 28.	29.83	SE ₁ .	46		Close & dark haze, cleared off at 10 1/2 a.m., some sun and light clouds, again cloudy after 1 p.m., till sunset. Clearer evening mild and calm. -	Fair, but very close.	
		S ₁ .	49				
	-73	SW ₂ .	54				
		SW ₀ .					
42187			289	384	Mean Temp 47° 92. -)	Rain cal' up 2.50	
			671		This week is about the common mean of temperature.		

October 1863.

Oct.	Baro. meter	Wind.	Thermom. lowest 9 a.m.	Thermom. highest 8 p.m.	Weather, &c.	notes.	Rain.
Th. 29.	29.65	S ₁ .	36		Change since 3 a.m., cloudy & rather electric; little rain at 10 a.m., then more fair, but very blowing.	very stormy.	.02
		S ₆ .	49		Hasty storm of rain & wind 5 p.m. -		.07
	-34	SW ₆ .	53		Evening fine & clearer, but windy. -		
F. 30.	-58	SW ₄ .	41		Clear but soon cloudy, & squally, with rain at 11 a.m.; and very hard rain from 2 1/2 p.m., ending with a very heavy storm & hail at 5 p.m., the wind then veering to NW. - Finer evening. -	very squally & coarse day. -	.82
		S ₆ .	47				
	-09	SW ₇ .	52				
S. 31.	-52	W ₄ .	38		Clear, & very bleak, blowing wind continued bright, & mild air, but very heavy gales all day, most violent at 2 1/2 p.m., with much damage. -	604 violent gales.	
		SW ₇ .	46		Less wind after 4 p.m., clear evening. -		
	-55	WSW ₈ .	51 1/2				
		WSW ₅ .					
17673			115	156 1/2	Mean Temp 3 Days 45° 25.) Total Rain 3.41		

Barometer.

Highest on 23^d & 24th - 30.38

Lowest on - 30th - 29.09

Range - 1.29

Mean of Month - 29.91.

Gales on last 3 days. -

Thermometer.

Highest on the 4th - 65°

Lowest on 26th - 34°

Range - 31

Mean daily range 10.67

Mean of month - 52.33

Prevailing winds SW, SE, & S. - Fine days 17, and depth of rain 3.41 inches.

This was a variable month with much fine and pleasant weather in the third and fourth weeks, and salutary rain at times in the early part, and end of the month. A good seed time, and about the usual temperature, but somewhat above average. Scarlatina prevalent among children, and many fatal cases. - The foliage generally fell very early this month. -

November 1863.

Nov.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes.	Rain.
Sa. 1.	29.66 -64	SW ₃ WSW ₂ WSW ₄ W ₁	37½ 41 48		Clear, & bleak morn'g, cont'd bright till noon. Afterwards dark clouds, & more wind again. Hasty storm of rain 5 pm; finer even'g; but changed after midnight to stormy.	Squally 39 04
M. 2.	-07 -09	SSE ₄ SW ₂ SW ₂ NW ₇	38 48 48		Warmer breeze & little rain, followed by more till 10 am, then finer, & some sun, but unsettled and squally after sun set, with rain at times.	Squally 40 20
Tu. 3.	-92 -87	W ₄ SW ₃ S ₂ SW ₃	37 41 53		Hard gale all the night past, bright morn'g, but soon hazy, followed by rain from 1 pm; misting even'g, and much warmer since 4 pm, warmest during night.	Δ H & moon last 2 or 3. 34 pm. 51 05
W. 4.	-89 30.10	SW ₄ SW ₄ WSW ₆	51 56 62		Very close, warm, & breezy clearer after 9. Sun at times, and very warm, with brisk wind, and flying clouds. More wind after 1 pm, continued blowing but warm.	Exceedingly warm. & blowing. 55
Th. 5.	-27 -25	NW ₁ NE ₁ NE ₁	48 48 49		Overcast & thick, continued so, followed by thick light rain most of the day, and harder rain in the even'g. Night fine, & clearer.	Dark, & wet. much colder. 44 38
F. 6.	-50 -58	NW ₁ NE ₁ NE ₀	37 38 47		Clear, very fine and bright all day, some light clouds, & nearly calm. Evening also clear, and frosty. Night the same in part.	very fine & clear. 36
S. 7.	-31 -20	SW ₀ SW ₁ SE ₁	32 39 45		Frost early, then changed to milder air & fog from 5 am, then thick, with rain from 11 am, and foggy, dark & rain at times the rest of the day.	Frost a.m. change to rain. 42 23
41 9.35 2805.352 Mean Temp 45° 178. - Rain cal up 1.36						

632.5

About 3 above average temperature.

November 1863.

Nov.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes.	Rain.
Sa. 8.	29.97 -70	SW _½ SW ₁ W ₂ NE ₆	40 47 50		Cloudy & very mild, fine morn'g but rain soon after 9 am, and continued dark and rainy all day, more or less. Gale at N.E. set in at 7 pm, but soon less; yet more rain chief of the night.	very wet day, and night. 45 27
M. 9.	30.28 -35	NE ₂ NE ₄ NE ₀	40 43 48		Rain early, but more fair after 7 am, continued bright with brisk wind and light clouds. Clear, calm & frosty evening, and the night the same, and frost very white.	much rain early a.m. 42 37
Tu. 10.	-05 29.78	S ₁ S ₂ SW ₂	31 37 43		White frost, but changed after sun rise, arcs of cloud from SW, and became overcast & rainy from 11 am; afternoon finer, with blue haze, and gleams of sun. Showery even'g.	Δ H & raw & cold. 43 05 04
W. 11.	-50 -39	Var. o. W ₀ NW ₀	31½ 34 47		Bright & frosty morn'g, very fine and bright all day, & warm in the sun. Hazy at sunset, but a clear evening, and keener frost the night nearly the same.	new moon 7.59 am. very fine. 34
Th. 12.	-80 30.11	NW ₂ NW ₂ W ₂	31 34 46		White frost early, very clear, and bright most of the day, some clouds after 2 pm, and more wind. Some clouds in the even'g. not so frosty & last even'g.	36
F. 13.	-31 -33	W ₀ SW ₂ SW ₂	29 34 47		Keener frost, & very white, some clouds, but chiefly bright till 2 pm, then grey clouds. Evening clear, but hazy below, & fresh wind, cloudy & closer after 9 pm.	Δ 4 & 4 40
S. 14.	-32 -31	SW ₁ SW ₁ W ₁	39 46 51		Grey clouds & mild, nearly alike all the day, & very gentle wind. clearer near sunset, but hazy in the evening. Aurora brilliant in the N.	Aurora very bright 8 & 9 pm 43
42.040 2415.332 Mean Temp 40° 96. - Rain & over 2.14						

573.5

Below usual mean temperature.

November 1863.

Nov	Baro- meter	Wind	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	notes	Rain (2'14)
Su. 15.	30.32	SW ₁	39		gentle rain early A.M. - bright & mild morn'g, and a warm sunny and pleasant day, with few light clouds, & but little wind. - Mild Even'g, little more.	fine & warm from sun rise.	.12
	-32	SW ₁ SW ₂	47 53				
M. 16.	-24	SW ₂	45		close, & little rain, but chiefly fine, cloudy, close, and very mild day, and the Evening, the same. Clear at 9 p.m., and yet a warm night.	very mild.	.03
	-23	SW ₁ SW ₁	48 53				
Tu. 17.	-21	SW ₃	46		Very mild, with red East in the morn'g, warm & pleasant day, some sun, dappled upward & scuds below. Even'g close and hazy.	warm & pleasant.	
	-26	SW ₂ SW ₁	50 54				
W. 18.	-33	S ₂	46		Grey clouds, & sun, mild & pleasant, more wind, and cooler after 12, and more cloudy than before. Even'g windy, with flying clouds & moon bright between.	moon 1 st 2 nd 3.5 am. Drying air.	
	-35	SSE ₃ SSE ₄ S ₄	48 52				
Th. 19.	-32	S ₂	46		Bright with thin clouds, and mild for the season, with a drying state of air. Little foggy in the Evening.		
	-31	S ₁ S ₁	49 52				
F. 20.	-28	SSW ₂	42		Light clouds, & sun, fine, and drying day, nearly clear from 2 pm, colder & less wind, the rest of the day. Foggy Evening but moon visible.		.048
	-21	SSW ₂ S E ₁	46 50				
S. 21.	29.99	S E ₂	41		Very red streaked East, & stormy looking morn'g, became bright & drying, brisk wind, but very mild. Stormy Even'g, gale, and rain 7 pm, finer night.		.09
	-67	S ₄ S ₆ SW ₄	47 54				
42.304		30.5368		Mean Temp 48°.07. Rain c ^d up - 2.38			
		673		A very high mean Temperature.			

November 1863.

Nov	Baro- meter	Wind	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	notes	Rain (2'38)
Su. 22.	29.84	SW ₃	40		Clear, very bright, with drying breeze, few light clouds. - The Evening hazy, halo round the moon, and stormy looking sky. little rain during night.	5 1/2 ♀	.03
	-88	SW ₃ SW ₂	40 49				
M. 23.	-90	SW ₁	41		Grey clouds, but chiefly bright very fine, mild and pleasant. Some blue haze after 3, but a calm & grey sky in the Evening. Close & mild all night.		
	-98	SW ₂ SW ₁	45 52				
Tu. 24.	30.01	S ₁	45		Very mild morn'g, fog & some rain from 9 a.m., at times. Finer after 1 pm, very close & damp air, and the evening the same. little rain during night.		.09
	-01	S ₂ S ₂	48 53				.05
W. 25.	-10	S ₂	49		Very mild, with light clouds, and bright sun at times, and fresh breezes, yet a moist atmosphere. Evening cloudy, and drifting fog, with brisk wind.	Full moon 9.1 am. & Eclipse. very mild.	
	-26	S ₃ S _{2.3}	52 55 1/2				
Th. 26.	-45	S ₄	48		Drifting fog, and warm breeze, continued foggy, & not so mild after 8 am, very raw & foggy all day, and dripping from trees in the Evening.	Foggy & raw.	
	-50	S ₃ S ₄	50 50				
F. 27.	-51	S E ₃	46 1/2		Cloudy, but the fog gone, fine, and mild, and became at times bright after 12, - and less wind. Red sky at sunset, some fog, and little frost during night.		
	-45	S E ₃ S E ₁	48 50				
S. 28.	-40	E ₁	32		Frost & fog, became bright from 10 am, little more wind, but soon less, & quite clear. - Frosty Evening & still clear.		
	-43	E ₂ E ₀	32 46				
42.272		30.13555		Mean Temp 46°.92. -) Rain c ^d over 2.55			
		657		The temperature very high. -			

November 1863.

Nov.	Baro. meter	Wind.	Thermom. 8 Highest	Thermom. 8pm.	Weather, &c.	notes	Rain
Su. 29.	30.42	NE ₀ E ₂ E ₁	30 31 44		Clear & frost, but fog below; fog gone by 9 a.m., bright all day, few small clouds, & keen wind. Sun set clear, and the evening frosty, and chiefly clear.	Fair & clear.	2.55
M. 30.	-27	SE ₂ SE ₂ SE ₁	31 40 45		Change from frost to cloud & haze early a.m.; but soon again clear, and bright all day. Clear sunset, and frosty evening & night.	Fair & clear.	
12/27			61 89.5		Mean Temp 2 days 37°.62. Total Rain 2.55		

Barometer.
Highest on the 6th — 30.58.
Lowest on the 2nd — 29.07
Range — 1.51
Mean of Month 30.11
Gales on 4 days.

Thermometer.
Highest on the 4th — 62°
Lowest on the 13th — 29°
Range — 33°
Mean daily range 10°.25.
Mean of Month 44°.77

Prevailing winds the SW. and S. — Three days 17.
Depth of Rain 2.55. Inches.

This month on the whole was very mild for the season, and nearly 3 degrees above the usual mean of Temperature. There were several fine and pleasant days at times, but very many changes prevailed, and some portion proved as unpleasant, as the rest might be agreeable. Great sickness, from Scarlatina Maligna, and Quinsy, and many deaths from both, even in one family in many cases.

December 1863.

Dec.	Baro. meter	Wind.	Thermom. 8 Highest	Thermom. 8pm.	Weather, &c.	notes	Rain
Tu. 1.	30.01	SE ₂ SE ₅ S ₅	31 37 49		White frost soon changed to milder air, thick & cloudy, and very blowing day, but milder in the evening than before. — Mild & blowing night.	6 & 80 blowing & dark.	
W. 2.	-13	SE ₆ S _{3.1} W ₄ NW ₆	47 49 51		Very squally, dark, & mild all the morning, and rain at times till noon. Then clearer, less wind, & some sun, at 2, but from 4pm very stormy, rainy & heavy gale at NW. —	Δ H ♀ very stormy & galy.	14 18
Th. 3.	-05	S ₇ W _{7.8} W ₈ W ₆	35 48 51		Heavy gale & rain, wind to W on a sudden at 9 a.m., hard gale, then clearer, tremendous gale all the mid day, & colder, less wind after 6pm, but still very rough. —	moon last Dr. 0.14 pm.	33
F. 4.	30.33	W ₂ W ₃ W ₂	35 35 44		Much less wind, clear & cold morning, very fine and bright day, with a drying air. More hazy & cloudy from 3pm, & cloudy evening, and night. —	rapid rise of Barom.	
S. 5.	-23	WSW ₃ SW ₃ SW ₃	40 47 51		Cloudy & mild, with brisk wind, very drying and fine. Rather more lowering in the evening & slight misting. Gentle rain also at 10 pm. —	Fair, and pleasant.	
Su 6.	-27	NW ₂ NW ₂ W ₁	39 41 45½		Clear, very bright nearly all the day, with a drying air, some clouds after 2pm, but again clearer, and the evening chiefly clear. —	* H, ♀ very fine.	05
M. 7.	-37	W ₃ SW ₅ SW ₃	38 46 52		Bright with light clouds, very mild and blowing more hazy after 1pm, and a cloudy and very close evening and night. —	Fair and mild.	
4/19	50		26.53 43.5		Mean Temp 43°.46. Rain 0.70		
			608.5		A high Mean Temperature.		

December 1863.

Decr.	Baro. meter	Wind.	Thermom. lowest 8 highest am	Weather &c.	Thermometer 8 pm.	notes	Rain 0.77
Tu. 8.	30.21	SW ₅	46	Cloudy, windy & mild, little sun, & very fine and drying. Less wind in the Evening, and partially clear, but not cold. - Close night.	45	* Oh Drying day.	
	-13	SW ₅	47				
		SW ₃	49				
W. 9.	-07	SW ₂	45	Some rain in the mornz, wind less; close & foggy from 10 am, & very little wind. The Even- rather foggy & nearly calm. Night clearer & frosty.	43	Close & more damp.	07
	-14	SW ₁	48				
		W ₁	49				
Th. 10.	-24	SW ₀	33	Clear, calm mornz, but brisk wind in the day, and continued bright, very red sunset, and the Evening more clouded, & brisk wind continued.	42	new moon 8.23 pm.	08
	-25	SW ₃	33				
		SW ₃	47				
F. 11.	-26	SW ₃	42	Mild, & cloudy, so all day, and wind very gusty all the afternoon, & Evening, but very mild & close air, and chiefly fine.	50	very mild	
	-14	SW ₆	46				
		SW ₅	52				
S. 12.	-14	SW ₃	48	Very mild & chiefly bright, with dappled clouds, in sil- very bands like summer skies, but windy. Heavier clouds from 3 pm, all the Evening.	50	very mild roads dry & clear.	
	-17	W ₅	50				
		W ₅	55				
Su. 13.	-41	NW ₁	35	Clear, much colder, & but little wind: very fine and bright all day. More wind after 7 pm, and not so clear as the day was.	41	very fine but colder.	
	-46	W ₂	36				
		W ₃	46				
M. 14.	-47	W ₂	39	Clear, very fine, bright, and pleasant, with gentle wind. Sun set red and clear, hazy in the Evenz, but chiefly a clear sky.	40	very fine & pleasant.	
	-49	W ₁	40				
		SW ₁	48				
423.58		288.3465		Mean Temp 45° 32. - Rain Cap 0.77			
		634.5		Temperature continues high.			

December 1863.

Decr.	Baro. meter	Wind.	Thermom. lowest 8 highest am	Weather, &c.	Thermom. 8 pm.	notes	Rain 0.77
Tu. 15.	30.41	SW ₁	38	Cloudy, & nearly calm, the whole day about the same, and a mild & clouded Evening, little wind, at times. -	45	8 H 10	
	-34	WSW ₁	42				
		SW ₁	48				
W. 16.	29.98	SW ₃	43	Cloudy, mild & breezy, with sun at times, more wind in the afternoon, stormy clouds, but still fair, & rather colder night.	40		
	-84	W ₅	46				
		W ₄	49				
Th. 17.	-80	NW ₅	36	Blowing, much colder, and dark clouds, with rain & sleet at times; fair & clear after 2 pm, till 4 pm. Squally Evening with clear intervals.	39	moon 1st Dr. 11.46 am.	08
	30.27	NW ₅	43				
		NW ₃	43				
F. 18.	-47	N ₃	32	Sudden squalls with sleet, early; the day chiefly fine & sunny, but cold, and the Evening frosty, and chiefly clear. Cloudy after 8.	34	much colder.	04
	-52	N ₂	34				
		NW ₁	40				
S. 19.	-50	W ₂	34	Change & milder again, chiefly sun, but more cloudy after 2 pm, and the Evening foggy more or less, - but the night fine.	38	Again milder.	
	-51	W ₂	43				
		W ₁	47				
Su. 20.	-42	SW ₂	36	Cloudy more or less, and very dark and overcast all the afternoon, cold and threatening sky, but clear at 8 pm, and fine night.	41		
	-37	SW ₃	41				
		SW ₂	42				
M. 21.	-25	W ₁	35	Fair, chiefly bright, and but little wind. More hazy and red at sunset, and rather hazy Evening.	39		
	-04	W ₁	35				
		SW ₁	43				
423.72		254.3125		Mean Temp 40° 46. - Rain cap over 89			
		566.5					

December 1863.

Dec.	Baro- meter	Wind.	Thermom. 8 am	Thermom. at 8 pm.	Notes.	Rain.
Tu. 22	29.74	NW 6.	38		Blowing with sleet at times, few flakes of snow, but mostly sunny, yet very cold. Clear evening, blowing and freezing hard.	much colder after 12 noon. 2pm 35. 4pm 32. 30 snow
	30.18	N NNW 4. NW 4.	41 41			
W. 23.	-10	SW 3.	27		Hard frost early, but changed after dawn. Cloudy, blowing & milder. Clearer at sunset, red sky, but the evening cloudy, & night also.	Hard frost early. evening mild.
	29.96	SW 4. W 4.	35 48 1/2			
Th. 24.	30.19	W 3.	44		Fine and mild, and chiefly bright all the day, brisk wind and drying air.	very fine
	-25	W 2. W 1.	46 48 1/2		Cloudy & mild evening, and less wind. Fine night.	
F. 25.	-31	W 1/2.	42		Mild & calm morning, with grey clouds, clearer and little wind after 11 am.	Full moon 2.50 am. □ 1/2 ♀
	-27	SW 2.	43 46 1/2		Bright moon & lighter clouds in the evening.	40
S. 26.	-11	SW 3.	38		Cloudy & mild, closer, and rather damp, but fine, and the evening cloudy and very mild, but blowing all the night.	* ♀ ♀ 49
	29.97	SW 3. SW 5.6	47 51			
Sa. 27.	-93	W 4.	38		Blowing all the past night, drying morning, with clouds and sun, bright all day, & much colder after 12 noon.	♂ 2 ♀ * 2 ♀ 2pm 37.
	30.16	NW 3. NW 2.	40 41		Freezing from 4 pm.	3 1/2
M. 28.	-38	W 0.	28		Hard frost, and hazy, followed by clouds, & a little snow at times. Milder in the evening, and change to a cloudy & mild night.	Snow. 36 1/2
	-30	SE 1. SE 2.	28 36 1/2			
42.185			25.5	31.3	Mean Temp 40° 57.	Rain can up .89

December 1863.

Dec.	Baro- meter	Wind.	Thermom. 8 am	Thermom. at 8 pm.	Notes.	Rain.
Tu. 29.	30.02	SW 4.	33		Cloudy, mild, & brisk wind with some rain after 11 am; continued lowering, and dark, & little rain. Very blowing evening; & more rain.	Stormy air. 05 07.
	29.90	SW 4. W 6.	47 50 1/2			
W. 30.	30.17	NW 2.	39		Cloudy morning, but soon became bright with lighter clouds, & fine day. Calm frosty evening, & night.	
	-20	NW 1. W 0.	41 45			
Th. 31.	-05	SE 1.	30		Cold & raw, and more wind after 10 am, bleak air, and hazy, with some sun at times.	
	29.93	SE 4. E 4.	37 39		Dark, blowing & cold evening. Night clearer.	
180.27			10.2	13.45	Mean Temp 39° 41.	Total Rain - 1.01

Barometer.
Highest on the 18th 30.52.
Lowest on the 3rd 29.05.
Range — 1.47
Mean of month 30.14.
Gales occurred on 6 days.

Thermometer.
Highest on the 12th 55° 5.
Lowest on the 23rd 27°
Range — 28° 5
Mean daily range — 9° 22
Mean of month 42° 16

Winds chiefly SW, and W. - fine days 24, and the depth of rain 1 inch, & 1 hundredth only.

This was a fine month, and the greater part mild, but some seasonable weather amid the changes which prevailed. Great prevalence of scarlatina, most among children, and great mortality therefrom in many districts, but still greater in towns.

Summary notes on the Year 1863.

The main features distinguishing this Year were the mild winter and Spring; -

The fine, warm, and very productive Summer;

The Earthquake Shocks on Sept 29th and on Oct 5th and 6th. - The mildness of November;

The violent wind of Decr 3rd, and the peculiar dryness of the month of December. - But although the year came in with a mild season, yet January & February were its coldest months.

April was much warmer than usual. July exceedingly dry, with some very hot days. August fine, and the hottest

month of the Year, with one of the most abundant harvests ever known throughout the Kingdom!

The high state of Barometer in Feb^y, May, July, Nov^r, and Dec^r was also a very remarkable matter to be recorded.

Many Spring flowers were in bloom all Nov^r and Dec^r. the violet, primrose, anemone, and some others. but were suddenly nipped

by the wintry change at the expiration of the year. On the whole this was a year

of great mercies, unusually productive, and this even in all the leading articles of food!

General Results for 1863.

1863.	Winds.								Gales	Fine Days.	Rain	Mean Barom.	Mean Temp.	Mean Daily Range	Therm.	
	E	W	N	S	NE	SE	NW	SW							Min	Max
Jan.	1	3	0	1	3½	6	5	11½	11	14	2.66	29.85	40.80	9.16	28°	54°
Feb.	2	6	0	0½	3½	3	2½	10½	2	21	0.58	30.36	41.40	12.14	25	55.
Mar.	1½	7	1	3½	2½	6½	6½	2½	6	21	1.19	29.96	43.75	15.70	27	61.5.
April	4	7	1	1	3½	3½	2	8	3	20	1.37	30.07	50.20	19.00	28	66.
May.	2½	6½	1	1	9½	2½	2½	5½	2	20	1.21	30.13	53.43	18.83	32.5	78.5
June	1½	6	0	1½	1½	7½	2½	9½	0	13	3.87	30.01	60.75	16.31	41	78.
July.	3	8	1	1	4	7	4	3	0	28	1.60	30.24	61.83	20.80	43	83.5
Aug.	3	5½	0	4	0	4½	2	12	2	21	2.00	30.03	64.64	16.77	45	84.
Sept.	0	9	0	3	1	2½	2	12½	2	18	3.18	29.95	55.13	14.30	37.5	74.
Oct.	4	2	0	6½	0	7	1½	10	3	17	3.41	29.91	52.33	10.67	34	65.
Nov.	2	1	0	6	3	3	2	13	4	17	2.55	30.11	44.77	10.25	29	62.
Dec.	0	9	1½	½	0	3½	5½	11	6	24	1.01	30.14	42.16	9.22	27	55.5
1863.	24½	70	5½	29½	32	56½	38	109	41	234	24.63	30.06	50.93	14.42	25°	84°

The lowest Barometer occurred on January 20th and December 3rd, with severe gales, &c. -

And the highest occurred on February 13th with dry frosty weather, and March 25th with fine, warm, & serene days. -

The coldest days were the 16th and 17th of February, Thermom 25° and 25½° respectively; and the hottest were July 7th Therm 83½°, and August 8th Therm 84°, in the Year 1863. -

Conclusive remarks on 1863.

The Year 1863 ought with National and Individual gratitude to be remembered, and generally recorded, as the Year of Abundance in the supply of the blessings of life to this Kingdom; and beyond all its characteristics, this fact should be treasured as indelible in the Annals of our Climate!

The number of fine Days in the year was 234, and the Depth of rain 24.63 Inches, most of which fell in the fruitful and warm showers of June, and again after the dry and hot August in the merciful showers of September & October. What a bountiful succession of gifts - we had thus poured into the lap of the Nation, and how can we sufficiently return our thanksgivings for these inexpressible proofs of God's love, and goodness towards His creatures? -

He who hath promised - "verily thou shalt be fed", has indeed most profusely fed us, and may we not well add, as a fit hint to each other, that it is meet and right to "cast our care on Him, for He careth for us"!

Islands Whistlecraft.

Dec 31. 1863.

January 1864.

Jan.	Baro- meter	Wind.	Thermom 8 highest	Weather, &c.	Thermom at 8 p.m.	notes.	Rain.
F. 1.	29.99 30.20	E 3. E 4. E 3.	30 30 35	Clear, frost, & brisk wind very bright all day, and very cold wind. Some clouds at sunset, but clear & freezing evening, & sharp wind. -	30	very keen wind, & frost.	
S. 2.	-51 -62	NE 0. NE 1. NE 0.	25 32 35	Hard frost, cloudy, & little granular snow, in the morn- ing. continued frost, and the Evening clear and sharper. -	27	moon last Dr. 7. 39 am.	
Su. 3.	-67 -72	E 2. E 1.3. E 1.	24 30 33	Snow & hail early AM, sharp frost, & more wind after dawn. Bright in the day, and clear evening, with sharper frost, so continued all night. -	22	very keen frost.	
M. 4.	-66 -60	ENE 2. ENE 3. NE 1.	21 24 32	Severe frost & clear, with very sharp wind all day alike. Sun set. clear & fiery tinted. Clear & severe evening and less wind. Cloudy at 8. -	24	very sharp frost.	
Tu. 5.	-46 -35	E 1. E 3. SE 1.	19 19 33	Clear, very severe frost and nearly calm; more wind in the day, very keen, and sun bright. - Clear evening, and frost continued. -	24	very severe & clear.	
W. 6.	-30 -30	Var. 0. NE 0. NE 0.	15 16 30	Very severe, calm & clear, little haze below. Very clear and calm all day. Sun set in amber haze. Very severe & clear evening. No wind. -	19	very severe.	
Th. 7.	-29 -27	W 0. NW 1. NW 2.	14 16 32	Very severe, calm, & some below, clear above, but af- ter 11 a.m. cloudy, less severe. Evening again clear, and more severe through the night. -	23	continued severity.	
425.94		148 230		Mean Temp 27° only!) Rain cut over 0.00			

378

A very low temperature,
& below average.

January 1864.

Jan's.	Baro. meter	Wind.	Thermom. Lowest	8 am	Highest	Thermom. 8pm.	notes.	Rain
F. 8.	30.70 -08	SE ₀ NW ₂ SW ₂	16	22	30		Severe frost, & very white hazy & some clouds in the day, but constant frost. Hazy Evening, but calm & the frost rather less than last.	0.00
S. 9.	-01 -06	SSE ₂ SE ₂ SE ₂	17	30	40		Severe frost early, but very thick after 4 am, less cold. Clear from 11 am, milder, & chiefly bright. Even foggy & thawing. Mild night.	new moon 7.46 am. great change.
Su. 10.	-10 -17	SE ₃ SE ₂ SE ₁	36	39	42		Hazy & cloudy, few rain drops 8 am, then a fine day, grey clouds, & some sun. More wind again at eve, and in part clear.	Frost sus- pended a while.
M. 11.	-22 -24	SE ₂ SE ₃ SE ₃	33	36	43		Clear morn'g, partial frost. very fine & bright. Day, with a drying breeze. Evening clear, keen winds, and gen- tle frost most of the night.	* H ₃
Tu. 12.	-21 -27	SE ₃ SE ₂ SE ₁	30	35	39		Frost early, but cloudy & milder at 6 & 7 am. fine day, clouds and sun. with cold air. Evening gloomy & thick, & much less wind.	35
W. 13.	-39 -40	SE ₀ Var. 0. NW ₀ NW ₀	33	34	39		Thick fog, and calm, and nearly the same all day. The Evening also continued very dense fog, and the night the same.	* 0 4
Th. 14.	-39 -35	Var. 0. SE ₂ SE ₀	35	37	40		Very thick fog, all the mor- ning, but much less after 11 am. Clearer & frosty after sunset. Little fog at eve.	little snow early. - 04.
422.99			200273			Mean Temp 33° 78.) Rain & up 0.04		
473			Temperature 2 1/4 below average.					

January 1864.

Jan's	Baro. meter	Wind.	Thermom. Lowest 8 Highest	Thermom. 8pm.	Weather, &c.	Notes	Rain.
F. 15.	30.38 -40	SE ₀ SE ₁ SE ₂	31 31 34		Dark & some frost, with fog, very cold and gloomy (day, saw & frosty, & but little or no wind, but more in the Eve- ning, and all the night. — 31	moon last 11. b. pm. * ♀♀	0.04
S. 16.	-40 -32	SE ₃ SE ₃ SE ₅	31 37 37		Dark & foggy morn'g, clearer after 11, but very cold, cloudy, and threatening. Even'g very cloudy, and blowing hard- er than before, so all night. 32	♂ H ₃ ♂	
Su. 17.	-17 -09	SE ₆ SE ₄ SE ₃	30 31 38		Breezing, & blowing morn'g very red East, & North. — less wind after 10, but cloudy, some rain. Dark & wet after- noon, mild & foggy night. 36	very red sky in the morning. (wet pm. 25	
M. 18.	-14 -27	SE ₀ S ₁ SW ₀	34 36 41		Foggy and mostly very thick all the day, but milder, — continued thick fog in the Eve- ning, and trees dripping. — 37	very foggy.	
Tu. 19.	-29 -33	S ₁ S ₁ S ₂	36 42 45		Thick fog, & much milder, fog went off at noon, bright in the afternoon, with gentle wind & light clouds. Even'g cloudy, & more wind. — 40	mild and clearer pm.	
W. 20.	-34 -31	SSW ₂ S ₂ S ₂ S ₄	39 45 46		Overcast, & rainy morn'g, very thick & cloudy day, little wet at times. More wind in the Evening, but finer, and clouds higher at 8 pm. — 42	Dark, & moist. 72	
Th. 21.	-08 -10	SW ₂ W ₂ W ₁	41 46 46		Dark & rainy morn'g, clearer after 11 am, sun at times; mostly bright in the after- noon, and very clear moon- light. Evening. — 37	* H ₂ ♀ 71	
423.62		2422875		Mean Temp 37° 82.) Rain cald over 0.52			
5295		Temperature 2 3/4 above average.					

January 1864.

Jan.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. 8pm	Weather.	notes.	Rain
F. 22.	29.88	SW 5.	37		Cloudy, blowing and mild, sun gleaming at times, but chief- ly lowering & more wind in the afternoon & very gusty in the Evening. and all night.	Blowing and very mild.	0.52
	-87	SW 6.	49	53			
S. 23.	-75	SW 6.	49	53	Blowing & very mild morn'g, less wind after 10 am, lighter clouds & sun. Hazy even'g clouded, & some rain most of the Evening.	Full moon 10.2 pm.	1/3
	-98	W 3.	53	54			
Su. 24.	30.15	W 1.	33	33	Clear, frosty morn'g, and continued very bright all day & bleak air. Evening also clear, and very fine moon-light night.	3 ♀ HI fair and clear.	
	-32	W 2.	33	44			
M. 25.	-41	W 1.	34	38	Clouds & sun, red morn'g, became very bright, and so continued all day, but the Evening cloudy and close.	♂ ♀ ☉ Inf. very fine & sunny.	
	-51	W 1.	46				
Tu. 26.	-40	SW 1.	34	34	Bright morn'g, some clouds & harsh wind from 10 to 12, clearer again after noon, but the Evening cloudy, and a warmer night.		
	-26	S 3.	44	44			
W. 27.	-07	SW 3.	35		Close, & gentle rain, between 3 & 7 am: then fine and very mild, with flying clouds, and brisk wind. Evening in part cloudy. Mild night.		05
	-08	SW 4.	44	51			
Th. 28.	29.94	W 3, 6.	40	41	Cloudy with squalls early in the morn'g; finer in the day and chiefly bright, but very win- dy, and again lowering from 2 pm - and stormy sky.	Squally.	04
	-92	W 6.	41	47			
	-92	W 3.	47	40			-02
4.21.54			26.3	33.9	Mean Temp 42.92. -	Rain cald. up.	76

601

Temperature nearly 8° above average!

January 1864.

Jan.	Baro. meter	Wind.	Thermom. Lowest 8 am	Thermom. 8pm	Weather, &c.	notes.	Rain.
F. 29.	30.40	NNE 32	32		Squalls early in the morn'g, but clear & more calm after 5 am. Very fine bright day, few clouds, & gentle wind.		0.76
	-55	NE 1.	34	39	Clear and frosty Evening.	Bright pm keen frost at Eve.	
S. 30.	-56	E 0.	39				
	-50	S 2.	25	28	Very hard frost, and very white, hazy after 7 am, & more wind; again clear af- ter 12. Red sun-set, and brisk Even'g, less frost.	Hard frost.	
	-50	SW 3.	38	32			
Su. 31.	-40	SW 2.	28 1/2		Hard frost, but less than previous, very fine, bright, and very keen air.	very fine & frosty.	
	-35	SW 2.	32	39	Even'g chiefly clear, and keen frost.		
	-35	SE 1.	39	31			
18.276 85.5 116 201.5 Mean 3 days 33.58 Total rain 0.76							

Barometers -

Highest on 3^d — 30.72
Lowest on 23^d — 29.75
range — 0.97
Mean of Month 30.23.

Gales on 4 days. —

Thermometers.

Highest on 23^d — 54°
Lowest on 7th — 14°
Range — 40°
Mean daily range 9.93
Mean of month 35.2.
This is just the usual Average.

Prevailing winds SE, W, SW, & NE: fine days 24,
and the Depth of rain 76 of an Inch only.

This was a dry and good winter month, with some
severe weather, relieved by milder intervals.
Much sickness and mortality among young children,
chiefly from scarlatina maligna. — Also many deaths
among the very aged; and of consumptive subjects of
all ages.

February 1864.

Feb.	Baro. meter.	Wind.	Thermometer Lowest 8 Highest a.m.	Thermometer 8 p.m.	Weather, &c.	Notes.	Rain.
M. 1.	30.28	SW ₂ S ₂ S _{2.3}	28.2 32 43		Bright & hard frost, continued bright, but no frost in the day. More hazy from 4pm; cloudy night, milder and more wind.	moon last Dr 0.17 a.m.	
Tu. 2.	-23	SW ₃ SW ₃ SW ₄	36 45 48		Cloudy & mild, with brisk wind, but very little sun; continued cloudy, & close state of air, but windy. Stormy after midnight.		
W. 3.	-08	W ₅ W ₂ SW ₂	45 45 48		Squalls & rain early & M., and storm of rain & hail at 1 1/4 pm. Fine & clearer from 2 till 6 pm, and colder night.	squally.	'07 '09
Th. 4.	-11	W ₂ NW ₃ NW ₃	32 32 41		Clear, and little frosty, after 9, some clouds & snow, but chiefly fair, & some sun. More snow in the night.	Snow S.M. Snowy night.	⊙
F. 5.	-28	NW ₃ NW ₃ N ₁	25 29 36		Snow early, sharper frost & clear at 6 & 7 a.m., but heavy falls of snow in the afternoon and some during the night with continued frost.	* 24 Heavy snow.	⊙
S. 6.	-24	NW ₁ N ₂ NE ₁	26 28 37		Frost & partly clear, but frequent snow & hail during the day, and some in the night, & sharper frost.	68 Snow	⊙
Su. 7.	-03	NW ₂ NW ₂ NW ₂	21 23 34		Severe frost, & fog till 11, then chiefly bright, few small clouds and little snow at times. Sun set clear & red. Severe frost in the even. Snow in the night.	new moon 6.10 pm. Δ O h Snow.	⊙
M. 8.	-82	NW ₂ NW ₂ W ₁	23 28 37		Snow at times, rather less frost, chiefly sun, and gentle wind. Sharp frost again in the evening.	Snow.	⊙
48205		2365324		Mean Temp 35° 03. Rain cal up - 0.16			
560.5		Temperature 2 below Average.					

February 1864.

Feb.	Baro- meter	Wind.	Thermom. Lowest & Highest a.m.	Thermometer & p.m.	Weather, &c.	Notes.	Rain.
Tu. 9.	29.71	NW ₁ NW ₂ NW ₂	18 22 32		Severe rime frost, heavy & thick on trees &c., nearly the same all day, but clearer after 4 p.m. Severe Evening stars bright. Night cloudy.	Severe frost & thick rime.	0.16
W. 10.	-51 -53	NW ₁ NW ₂ Var. 1.	21 25 35.2		Overcast, continued frost & some snow, all the fore- noon. Clearer at noon, af- terwards cloudy & sheet all times. Wind to NE, 7 p.m.	Δ ⊙ H snow	
Th. 11.	-79 -93	N ₁ N ₂ W ₀	30 31 36.2		Cloudy, and chiefly overcast, all the day, and less frost. Evening rather foggy, and very slight frost. Change in the wind during night.		
F. 12.	-64 -45	SE ₄ S ₆ SW ₂	31 36 48		Blowing & rainy till noon, then less wind & milder, clearer after 2 p.m. and very mild all the rest of the day. Night fine.	Changes to mild & rain.	.41
S. 13.	-78 -93	SW ₃ SW ₆ SW ₅	40 49 54.2		Very mild, and blowing hard, with flying clouds, and some sun at times. Evening clear, and blowing hard at in- tervals, but less wind in the night.	Blowing & mild.	
Su. 14.	30.36 -27	W ₂ SW ₃ SW ₁	35 37 50		Clear, and bright all day mild and drying air. Strong electric haze in the afternoon. Hazy in the night.	moon 1st Dr. 1.24 p.m.	
M. 15.	-06 29.90	S ₃ SW ₃ S ₃ S ₃	38 43 50		Cloudy, and dark, with blue haze at times, rather clearer after 3 p.m. but a lowering Evening, and warm breeze all night.	□ 2 ♀ □ 0 4	
41748			2133063	Mean Temp 37°. 1. —) Rain cal. over — .57			
			519.5	Temperature — true average. —			

February 1864.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	Notes	Rain.
Tu. 16.	29.86	SW ₂	45		Mild and lowering, with some rain at 8 am, but became finer, & windy, and some sun; Heavy clouds, & little hail. pm: fine night.		.08
		W ₅	47				
		NW ₃		50		colder after 1 pm.	
		NW ₃					
W. 17.	-92	NW ₄	30		Very keen wind & clear morn'g, squally day, and some flying rain and sleet, with large hail also: rain & snow in night.	Black wind, & hail.	.13
		NW ₄		34			
		N ₂		42			.06
	30.05						
Th. 18.	-25	N ₁	29		Some flights of snow at times, and bright sun between. More wind in the evening, & freezing again, sharper all night.	cold and squally.	
		NE ₂		33			
		NE ₃		38			
	-35						
F. 19.	-45	NE ₄	27		Hard frost, & piercing wind, with frequent heavy storms of snow, & sun between. Frost sharper & less wind in the evening.	Sharper, & heavy snows.	
		NE ₄		30			
		NE ₂		31			
	-39						
S. 20.	-20	N ₁	23		Sharp frost, with hail and snow, at times; heavy & thick sky, but finer in the afternoon, and less wind in the evening. Snowy night.	severe morn'g, and even'g.	
		NE ₃		25			
		NE ₁		32			
	-02						
Su. 21.	29.87	NE ₁	26		Cloudy & less wind, in the morn'g, but very keen breeze in the day, constant frost, and cloudy sky. Even'g clearer at times.	□ h 8	
		NE ₃		30		W ^o N, after 6 pm.	
		NE ₂		32			
	-75						
M. 22.	-84	NW ₁	29		Less frost, cloudy & snow in thin & light falls at times; fine and closer afternoon, and evening, but still a little frost.	Full moon 5.1 pm.	
		NW ₁		32			
		W ₁		36			
	-98						
	420.72		209.261		Mean Temp 33°.57. Rain Cup 0.84.		
			470.		Temp nearly 3½ below Average.		

February 1864.

Feb.	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Weather, &c.	Notes	Rain.
Tu. 23.	30.03	NE ₁	28½		Cloudy with little gleams of sun, and very little wind, and gentle frost morn'g, and evening, and clearer from 3½ pm. Sharper night.	* 49	
		NE ₁		31			
		E ₁		37			
	-03						
W. 24.	-07	NE ₂	22		Clear, and sharp frost early fine day, clouds, and sun, and more wind after 12, evening cloudy, less wind. Closes all night.	Sharper frost - S. M.	
		NE ₂		27			
		E ₁		40			
	-05						
Th. 25.	-11	NE ₂	33		Cloudy and dark atmosphere, with cold breeze and few flakes of snow & drops of rain, at times. Evening also quite cloudy.		
		NE ₂		35			
		NE ₂		39			
	-10						
F. 26.	-06	NE ₁	33		Cloudy & damp, very little wet at times, cold and raw atmosphere. Evening cloudy also, and more wind, but fine, and night foggy.		
		NE ₂		36			
		NE ₃		38½			
	-03						
S. 27.	29.93	NE ₃	34		Very foggy, little rain at times, damp, and gloomy all day. The evening dark and foggy, but fine.		.02
		NE ₂		37			
		E ₂		40			
	-89						
Su. 28.	-80	E ₃	36		Very foggy, and some rain at 9 am. Cleared off at 12, bright and mild afternoon. Even'g clear above, but a little fog below.	Crowed in bloom.	.03
		SE ₃		40			
		SE ₁		48			
	-82						
M. 29.	-78	E ₃	36		Thick fog, nearly the same all day, damp, dark, & unpleasant. Some rain at times in the evening.		.15
		E ₂		39			
		E ₂		40			
	-77						
	418.47		222.52825		Mean Temp 36°.07. Rain - 1.04.		
			505		Temp - about 1° below Average.		

Results for February 1864.

Barometer.	Thermometer.
Highest on 19 th — 30.45	Highest on 13 th — 54.2.
Lowest on 12 th — 29.45	Lowest on 9 th — 18°
Range — 1.00	Range — 36.3
Mean of Month 29.97.	Mean daily range 10.1
	Mean of Month 35.44
Gales on 2 days, 12 th & 13 th .	About 1 1/2° below Average.

Prevailing winds the NE, & NW. — Fine days 14
Snow on 9 days, Rain on 6 days. Depth of rain 1.04.

This was a very seasonable, and good winter month, and on the whole a dry month, with a temperature but 1 1/2° below Average. — Much sickness was prevalent, especially measles, scarlatina, and Cynanche in different forms; many fatal cases among children, from scarlatina, and Cynanche, both these of the "Maligna" kind.

Bronchitis and Pneumonia were also partially prevalent, and very many of the aged sunk under the influence of the cold weather during the month. Snowfalls were frequent but in no vast quantities, and the fall of rain was not large, but the surface of the land was not so dry, as in the previous month, some drizzling fogs having contributed to moisten it, besides the previous snows.

March 1864.

March.	Baro. meter	Wind	Thermom. Low 4 am	Thermom. High 4 pm	Weather &c.	Thermom. 8 pm.	notes.	Rain.
Tu. 1.	29.92	E ₁	34		Fog very thick till after 11, clearer at noon, fine afternoon, chiefly bright, with loose clouds. Little frost at midnight.		moon last 2 nd 1.11 pm	
	30.01	SE ₁		47			Δ 2.8	
W. 2.	29.92	NW ₁	31		Frost early, thick fog from 8 am, more or less cloudy & foggy all day, and the evening nearly the same, and quite calm.		Dark & foggy.	
	91	E ₁		37				
		E ₀		42				
Th. 3.	86	NE ₂	34		Very foggy, dark, and damp all day, very nearly alike, and a little rain at times more in the evening, and also more wind.		Dark & foggy.	
	75	NE ₂		37				
		NE ₃		41				
F. 4.	64	SW ₁	38		Hard rain at 2 & 3 am, cloudy & mild forenoon, brighter afternoon, some clouds at times. Electric & calm at 4 pm. Wind veered back at 7 with some fog.		Δ 4.8	02
	70	W ₁		43				20
		NE ₁		52				
S. 5.	64	E ₂	39		Heavy fog, dark & damp all day nearly alike. — More wind after 4 pm, and all the evening, but continued fog.		* 4.8	
	52	E ₂		42				
		E ₃		44 1/2				
Su. 6.	23	NE ₄	36		Blowing hard since 1 am, then rain from 4 am, & less wind; very rainy till near noon, fine afternoon, and some sun at times. Clear & windy evening.		Rivers overflowed.	60
	21	SE ₁		41				
		SW ₄		50				
M. 7.	13	S ₃	44		Stormy sky, & mild with some flying showers, squally wind and sun at times. Finer evening, but very blowing. Night more calm.		Stormy.	05
	10	SW ₄		47				
		SW ₆		52				
414.54		256.3283		Mean Temp 41.75.		Rain cal over .87		
		584.5		Temperatures about usual Average.				

March 1864.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes.	Rain
Tu. 8.	29.22	NE ₃ NE ₃ NE ₂	37 37 41		Overcast & wet, the wd cleared back to NE at 4 am: raining fast till near 11 am; cloudy and colder, and rain again after 1 pm. Finer Eveng, but cloudy.	new moon 3.59 am. 21 048 07
W. 9.	-22	NE ₄ NE ₄ N ₄	32 32 34½		Rain at 5 am, heavy snow from 6 am, & blowing hard with continual snow more or less all day, & sometimes very heavy. Finer in the night, & keen frost.	Δ ½ ♀ great snow. 31
Th. 10.	-69	W ₁ SW ₃ SW ₂	24 27 41		Clear, sharp frost early, bright till near noon, then thick haze & soon cloudy with rain in drifty showers at 3 pm. Evens finer, & more settled.	snow wastrng fast. 37 16
F. 11.	-68	SW ₃ SW ₅ SW ₆	35 43 51		Much milder, but squally sky, flying storms of drifting rain with galy wind, and sun at intervals. Thunder & much hail at 2 & 3 pm, & stormy Evens.	□ 0 H stormy & thunder & hail. 42 07
S. 12.	30.00	W ₄ NW ₄ NW ₂	35 40 49		Clear, bleak wind, continued chiefly bright, with some dark clouds, and drying wind. Less wind in the evening, and chiefly clear moonlight.	drying day. 39
Sa. 13.	-29	W ₂ SW ₄ SW ₅	34 40 52		Clear, bright morn'g, fine and drying day, with light grey clouds, and sun at times. Cloudy, mild & blowing Evens'g.	Δ ½ H 48
M. 14.	-07	SW ₅ SW ₆ WSW ₃	42 47 54		Cloudy, blowing, and mild, some sun at times. Very drying day, pleasant & less wind after 3 pm. Fine Evening, nearly clear, and wind abating still.	fair & mild. 47
416.48 239 3225 Mean Temp 40° 107. Rain cal' up - 1.88						

561.5 - Temperature below Average.

March 1864.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	Notes.	Rain
Tu. 15.	29.82	SW ₆ W ₃ NW ₂	46 49 52		Very blowing from 1 am, but fine and very mild, till about 11 am, much colder after 12, less wind, & light rain the rest of the day. Night clear after 9.	moon, last Dr. 6.7 am. wind again 12 SW. 5 pm. 12
W. 16.	30.77	W ₀ NE ₁ NE ₁	29 36 47		Clear & frost early, fine day and chiefly bright, but some clouds, & cold wind. Clear & cold evening, but more hazy in the night.	fair & cold. 36
Th. 17.	-31	SE ₁ SE ₃ SE ₂	31 37 45		Grey frost early, fine day, but very cold breeze, and grey haziness all day, some clouds, & dim sun. Hazy Evening, and the moon dim. Night clearer.	cold wind. 38
F. 18.	-03	SE ₂ ESE ₃ ESE ₁	29 39 47½		Clear, white frost early, very bright all day, but a very keen wind, cold and parching. Evening clear, moon bright, and very cold & frosty.	Δ 0 4 37
S. 19.	-82	SE ₁ SE ₂ SE ₁	31 39 53½		White frost & clear, very fine and bright day, much warmer, but still a chilling wind. Evens'g bright moon-light. Cirri at sun set in the west.	□ 4 ♀ parching weather. 39
Sa. 20.	-78	E ₁ E ₂ E ₂	29 38 55½		Sharp white frost, & fog early. very bright all day, & warmer, some cirri at 4 pm from SE pass to N.W. - Sun set clear, but much cirrus in N, & SE.	sun crosses the Equator. 41
M. 21.	-82	NE ₄ NE ₃ NE ₄	35 39 46½		Cloudy & blowing, clearer after 11, sun at times, and rather less wind, but more in the Evening, & very cold & cloudy.	very cold wind. 39
419.51 230 347 Mean Temp 41° 214. Rain & over 2.00						

577 Temperature rather below Average.

March 1864.

March.	Baro- meter	Wind.	Thermom. Lowest 8 am. Highest	Thermometic 8 pm.	Weather, &c.	Notes.	Rain 2'00
Tu. 22.	29.80 -80	NE ₃ NE ₃ NE ₄	38 40 43		Cloudy, and very cold all the day, very nearly alike, and some misting & low clouds after 4 pm, and more wind. Blowing night, but fine. -	☐ H ♀ very cold & cloudy.	
W. 23.	-98 30.10	NE ₄ NE ₃ NE ₁	35 37 48		Grey clouds & sun, with cold wind. Chiefly clear from 10 am, and bright afternoon. Evening clear, frosty, and the winds gone. -	Full moon 10.24 am.	
Th. 24.	-12 -04	NW ₀ W ₁ W ₂ S ₂	25½ 34 53		Sharp frost & fog early, very clear after 7, fog gone: continued very bright day, and much warmer. Sun set very red in haze. Some fog & frost during night. -		
F. 25.	29.90 Good Friday. -72	W ₀ SE ₁ SE ₁	26 35 57		Sharp frost early, & fog, very bright from 8 am, bright & warm day, gentle wind, & few light mottled clouds. Cloudy & mild Even3. -	great range of Tempera- ture. - Peacock butterfly seen.	
S. 26.	-61 -64	NW ₂ N ₃ N ₃	35 40 47		Cloudy with very little sun, but a cold breeze, and stormy looking sky. Little light rain 5 & 6 pm. Cloudy and cold Evening, & night. -	cloudy & very cold.	03
Su. 27.	-67 -68	N ₃ NE ₃ NE ₁	31 37 46		Cold, squally air, sun at times, and rocky cumuli clouds, & few flakes of snow. Fine evening & more calm, but wind rose after 12 pm. -	Little snow early a m. & at 3 pm.	
M. 28.	-47 -78	SW ₄ W ₄ W ₅ SW ₂	35 43 48½		Squally since 4 am, fine till noon, & some sun, but very stormy afternoon, rain, sleet, and hail, with squalls of wind. and rain & sleet in the eve- ning. -	Δ H ♂ stormy.	40 07
416.71		225.5343		Mean Temp 40° 6.) Rain con up 2'50			
		5685		Nearly 2° below Average.			

March 1864.

March	Baro meter	Wind.	Thermom. Lowest 8 am. Highest	Weather, &c.	Thermom. 8pm	Notes.	Rain 2'50
Tu. 29.	29.16 -54	NW ₃ N ₃ N ₂	32 36 46	Stormy, rain & snow at times & sun at times; more fair in the afternoon, and chiefly sun, but a cold wind. Night fine & little frost.		Stormy & cold. some Hail.	.04
W. 30.	-58 -70	SW ₁ SW ₁ W ₁	31 37 47	Frost early, hazy morning, clearer after 11, little sun, calm & bright at 1 & 2 pm, darker clouds at 3, & 4, with showers of rain & hail. Even3 & night. fine.		MOON last Dr. 10.20pm.	.08
Th. 31.	-87 -79	W ₁ WSW ₁ SW ₃ S ₃	34 43 53	Clear, bright morn3, and till near 12, then clouds, and blue haze. Cloudy, mild, and blowing Evening. Little rain after midnight.		Change to mildness.	
177.64		97.146		Mean Temp 3 days 40° 5.) Total Rain 2'62			

Barometer.

Highest on the 16th 30.31.
Lowest on 7th 29.10
Range 1.21
Mean of Month 29.78

Gales on 4 days.

Prevailing winds NE, SW, & SW, Fine days 20;
Depth of Rain 2'62 Inches.

This was a true March in character, coarse, changeable, and cold throughout, with little progress in Vegetation. The Temperature very nearly 2° below the Average, and public health much affected. A portion of the month proved dry for seed-time, yet a low Barometer mean, with many, very rough intervals marked the month generally.

Thermometer.

Highest on the 25th 57°
Lowest on 10th 24°
Range 33°
Mean daily range 14° 17
Mean of Month 40° 87
2° below the Average, nearly.

APRIL 1864.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Notes.	Rain.
F. 1.	29.70	SW ₄	39		Showers early A.M., windy all day, with rocky cumuli, and bright sun between. Storms of rain, hail, lightning, and loud thunder in the evening.	.05
	-70	SW ₆	46			
		W ₄	52		Thunder & hail in the evening.	.06
S. 2.	-87	W ₄	34		Bright morning, but cold & blowing. Windy all day, rocky clouds & sun, with distant showers. Evening more calm, and nearly clear.	
	30.05	W ₅	44			
		W ₁	51			
Su. 3.	-06	W ₁	36		Hazy, but fine & little sun, very pleasant, till near noon, then more clouded, & trifling rain, at times, with more wind. Close & mild evening.	
	29.96	SW ₂	47			
		SW ₂	51			
M. 4.	-90	W ₂	47		Very mild & electric morning, cloudy all day, with gleams of sun, & warm & pleasant till 2 pm, afterwards some rain & colder evening.	.06
	30.13	NW ₁	54			
		NE ₂	58			
Tu. 5.	-28	NE ₁	38		Cloudy & hazy, with colder breeze, little sun dimly gleaming. Continued cloudy & cold, the evening the same, but less wind. Fine night.	
	-40	E ₂	43			
		E ₁	46			
W. 6.	-36	E ₁	36		Cloudy and thick, with cool breeze, and little sun gleaming. Rather clearer and but little wind all the evening. Fine night.	
	-35	SE ₂	44			
		SE ₁	47			
Th. 7.	-36	SE ₁	37		Cloudy with sun, and cool wind, yet very electric sky, and clouds in adverse currents. - Clear & cold evening. Night more cloudy & less cold.	
	-41	SE ₂	44			
		SE ₂	50			
421.53			267	355	Mean Temp 44.428.) Rain cald up 0.17	
			622		Temp below Average still. -	

APRIL 1864.

April.	Baro. meter	Wind.	Thermom. 9 am	Thermom. at 8 pm.	Notes.	Rain.
F. 8.	30.43	S ₂	37		Grey clouds & sun, chiefly bright after 9 am, but a cool wind. Arcs of mottled cloud from SW across the zenith all the evening.	0.17
		S ₂	46			
	-50	S ₂	54			
S. 9.	-38	W ₁	38		Hazy morning - but soon bright & much warmer. Very fine, and pleasant with very little wind. Close & a blue. Haze after 3, & till 6 pm. Then clearer.	
	-30	W ₁	52			
		W ₂	60			
Su. 10.	-29	NW ₁	46		Blue haze, & some fog in the morning, then clearer, warm and pleasant, with grey clouds, and sun. Calm evening light clouds, & mild.	
	-27	NE ₁	52			
		Var. 0.	58			
M. 11.	-19	W ₁	38		Hazy till after 9, then bright with light cumuli clouds, & very warm. Calm and close evening, some dark blue clouds, and haze.	
	-15	SW ₁	54			
		SW ₂	63			
		Var. 0.				
Tu. 12.	-20	NE ₁	38		Clear, bright morning, but soon hazy & a few clouds. - Again very bright after 10 am, and so continued till 5 pm. Electric mottled clouds at evening.	
	-20	Var. 1/2	50			
		E ₁	59			
W. 13.	-22	NE ₁	31		Clear, frost early A.M., but warm and bright in the day, but the wind at times counteracting the solar power. - Very clear evening, & keen air.	
		E ₂	50			
	-23	ESE ₂	57			
		E ₂				
Th. 14.	-12	SE ₃	35		Clear, very bright, but the wind cold and rather boisterous. Bands of light cloud rising SW at evening, lower current E, but less.	
		SE ₃	50			
	-01	E ₂	56			
423.49			263	408	Mean Temp 47.928.) Rain cald over 0.17	
			671		Temp slightly over average.	

APRIL 1864.

April.	Baro. meter.	Wind.	Thermom't. lowest 9 highest am.	Weather, &c.	Thermom't. 8 pm.	notes.	Rain. 0.14
F. 15.	29.90 -88	S E ₃ S E ₂ S E ₁	39 54 62	Bright with parching breeze but much warmer, and a dappled electric sky, clouds rising from SW - and lovely silvery curdled sky at 9 pm.	53	parching breeze. swallows seen.	
S. 16.	-86 -88	S E ₁ Var. 0. S E ₁ S E ₁	42 50 51	Hazy close morn'g - rain from 8 1/4 am, sometimes fast, and more or less all day, but finer evening, with some fog and blue haze. Showers at 11 pm.	47	gentle rain.	32 12
Su. 17.	-97 30.10	N E ₁ NW ₂ NW ₁	42 54 59	Bright, with electric cumuli, very fine and pleasant, with gentle wind. More hazy from 4 pm and some clouds, but sun red & clear at setting.	51	Red start seen.	
Al. 18.	-15 -20	W ₂ W ₂ S W ₁	39 54 63	Bright, and warm, with cumuli clouds, and fresh breezes. Calm. Even'g, very pleasant, & serene. Moon bright after 8 pm.	55	fair, and warm. willow & chestnut leaf.	
Tu. 19.	-14 -12	S ₁ S ₃ S E ₁	40 59 68	Bright all day, and very warm, no clouds, but a brisk wind. - Even'g also clear, and brilliant. ☉ set. serene all night.	55	very warm and fine. Cuckoo heard.	
W. 20.	-12 -15	S E ₁ S E ₂ S E ₁	42 64 72	Bright all day, without a cloud, and very hot, but a fresh breeze at times. Light haze in streaks in the west horizon about ☉ set.	59	very hot and clear. Cuckoo singing.	
Th. 21.	-18 -27	S E ₂ E ₃ E ₂	45 61 65	Bright, with very brisk wind, no cloud all day, but cooler than yesterday. - Clear Evening, and yellow sunset.	50	parching day.	
420.92		289.440		(Mean Temp 52° 7/14.) Rain cal. up - 0.61			
		729		Temp. near γ above Average.			

APRIL 1864.

April.	Baro. meter.	Wind.	Thermom't. lowest 9 highest am.	Weather, &c.	Thermom't. 8 pm.	notes.	Rain. 0.61
F. 22.	30.30 -34	E ₁ E ₂ E _{1/2}	38 58 64	Clear, very bright and parching all day, and no cloud. Evening also very clear, & nearly calm. - Cool night.	51	Full moon 1.19 am. nightingale heard.	
S. 23.	-35 -38	NW ₁ NW ₁ S E ₁ E ₁	35 59 67 1/2	Clear, very bright all day, few very small clouds, and gentle wind, but hot in the sun, and a fine red and clear sunset; but cloudy night.	53	very parching weather continued.	
Su. 24.	-40 -36	N E ₂ E ₂ E ₂	42 45 55 1/2	Cloudy more or less till after 11 am. - Bright afternoon, with cool wind, & grey clouds. Evening very cool, and inclined to frost dur'g night.	45		
M. 25.	-30 -25	N E ₁ Var. 1/2 E ₁	33 52 61	Grey clouds, & sun, but chiefly bright and warm, from 10 am, till 4 pm. Bursts of cloud rising SE, all the evening. Hazy night.	48	8 1/2 ♀ 8 4 ♀	
Tu. 26.	-25 -30	N ₁ N ₂ N ₁	35 52 60	Hazy, but bright, with many mixed electric clouds. More clouded in the evening; and cloudy night.	49	* ♂ ♂ Lightning in the night.	
W. 27.	-30 -30	N ₂ NE ₂ NE ₁	42 49 59	Cloudy till after 10, then bright, and parching, but a cool breeze. Hazy sky in the evening, and cloudy night.	48	poplar & maple leaf.	
Th. 28.	-25 -20	NE ₁ NE ₁ N ₂	41 45 52	Cloudy more or less, and scarcely a gleam of Sun all day. Very cloudy evening, and cold breeze. Cloudy night, but fine.	44		
424.28		266.419		(Mean Temp 48° 9/28.) Rain cal. over - 0.61			
		685		Nearly 3 above Average.			

APRIL 1864.

April	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain
Fr. 29.	30.25	N ₂ NW ₁ W ₁ W ₂	42 47 61		Cloudy till near noon, then a very bright afternoon, and no cloud seen. - Evening hazy & warm, electric, and nearly calm.	moon last 2 nd 4.34 a.m.	0.61
S. 30.	-22	N ₂ NW ₁ NW ₁ Var ₂	42 48 54		Cloudy gloomy & cool till near 12, more sun in the afternoon, but still cloudy. - The evening also cloudy, and calm.	Poplar leaf.	
S. 120	90		84	115	Mean Temp. (2 days) 49°.75.	Rain -	0.61

Barometer.
 Highest on the 8th - 30.50
 Lowest on the 1st - 29.70
 Range - 0.80
 Mean of Month - 30.18

One gale on 1st Day.

Prevailing winds E, and S E; Fine days 27 in number.
 Rain only .61 of an Inch.

This was on the whole a dry month, and high pressure, as well as rather a high temperature. Vegetation still rather behind, and much sickness prevalent.

MAY 1864.

May	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes.	Rain
Su. 1.	30.30	SE ₁ SE ₂ S ₃	40 53 62		Hazy & cloudy morn, fine day with clouds & bright sun at intervals. - Hazy evening, and closer air. Rain from 8 till 12 night.	Rain at night.	30
M. 2.	29.91	SW ₄ W ₅ W ₆ W ₃	50 57 64		Warm & blowing, with many clouds & hazy sky, stronger wind after 2 pm, but warm & some sun. Less wind in the evening, & less hazy.	warm & windy.	
Tu. 3.	-81	Var. 0. NE ₂ NE ₂	48 49 52		Showers at 3 1/2 am, and light rains till near 8 am, and at intervals most of the day, with much cloud. Evening cold & clearer.	* ♀ H	20 04
W. 4.	-03	SE ₂ SE ₃ SE ₂	43 46 49		Cloudy & gentle rain, gloomy & dripping day, more or less, and a brisk wind, but less in the evening & night, and became fine, but cloudy.		22
Th. 5.	-08	SE ₁ SE ₂ SE ₂	43 50 54		Cloudy, more or less, with but little sun, and very cool wind. - Evening more close, less wind after 8, and some dark curdled clouds.		
Fr. 6.	-12	SE ₁ SE ₂ SE ₂	40 59 64		Bright & warm, with light cumuli clouds, but more hazy & dappled in the afternoon, & evening, and black knotty clouds at 9 pm.	new moon 0.14 a.m.	
S. 7.	29.90	SW ₂ W ₂ N ₂	50 53 60		Heavy rain at times from 2 till 5 am, then fair, and after 11, bright with cumuli clouds. - Calm evening and hazy.	Much rain early A.M. Thunder on the East.	50

420.30 314.405 Mean Temp 51°.25. Rain cal over 1.26
 719 = Rather below Average.

May 1864.

May.	Baro. meter	Wind	Thermom. 9 ^{am}	Thermom. 8 ^{pm}	Weather, &c.	Notes	Rain 1.26
Su. 8.	29.96	E 2. NE 4. ENE 4.	38 55 59		Bright morn'g, much cirrus rising in South. Many clouds followed from various points, but fine, with sun, & cool breeze. Cold & cloudy Even'g. - 47		
M. 9.	-80	E 5. NE 3. NE 2.	44 48 51		Very blowing, and cloudy, & followed by rain after noon had passed. - Steady rain all the afternoon, & less wind. Strong blue haze from 4 pm, Night fine & cloudy. - 47	Cold, blow- ing, & wet.	33
Tu. 10.	-99	NE 3. NE 3. NE 2.	45 53 57		Hazy, with much plane cir- rostratus & brisk wind, the same all day, and very little sun. - Evening more clouded, but less wind, & haze returned. 49	Hawthorn partially in bloom.	
W. 11.	-04	E 2. E 2. E 1.	47 52 55½		Strong haze & cloudy more or less, the haze gone off after 12, and less cloudy. - Evening lowering & milder. 52		
Th. 12.	29.96	E 2. E 2. E 2.	49 62 65		Hazy clouds, with bright sun, and warm change; electric mixed clouds, & fresh breeze. Strong blue haze all the Eve- ning, from 5 pm. - 56	very Elec- tric.	
F. 13.	-12	NNW 2. NNW 1. N 1. NE ½.	45 58 68		Bright with light clouds, and very warm from 10 am, the Afternoon hot, and very bright, and clear and serene evening, foggy during the night. - 58	moon 1st Dr. 6.21 pm. 8 0 4	
S. 14.	-30	NW 1. Var. 0. SE 1.	42 57 68½		Hog early, cleared after 7, then very bright all day, and a hot afternoon. Hazy Even- ing, & wind veered about to SE. - Close night. - 59	very fine & hot.	

42055 310424 Mean Temp 52°428. Rain 2. up 1.59

734 - Temp about the Average. -

May 1864.

May.	Baro. meter	Wind	Thermom. 9 ^{am}	Thermom. 8 ^{pm}	Weather, &c.	Notes	Rain 1.59
Su. 15.	30.28	W ½. W ½. SE ½.	48 63 74		Very warm, soft & hazy morn'g, became bright & very hot, with electric sky, & no wind. Dark clouds at 3 & 4, but a bright and hot Even'g. - Sun set in haze. - 64	very hot and sultry Oak and Ash leaf.	
M. 16.	-34	E 0. SE 1. ESE 2. ESE 1.	48 68 73½		Very bright morn'g, and so con- tinued all day, and very hot, but more wind after 12; the Even'g clear, but cooler, and sun set in fullest lustre. - 59	very hot & clear.	
Tu. 17.	-36	SE 1. SE ½. SE 0.	45 68 77½		Bright and very hot all day with very little wind, and no cloud. Calm, and close Even- ing, little haze, but chiefly very clear, and very fine night. - 65	Δ 48 very hot.	
W. 18.	-39	W ½. NE 1. SE ½.	47 72 80		Very bright, all day, and extreme- ly hot, with trifling wind, and no clouds. Sun set in deep orange lustre, in cream-colour- ed haze. - Close night. - 68	(extremely hot.)	
Th. 19.	-39	E ½. SE 1. SE 1.	51 72 79		Sun rose red in haze, very bright and extremely hot, all day, gentle air, and no cloud. but some clouds & haze in the Evening. Electric in the West. - 63	□ 48 extremely hot.	
F. 20.	-32	SE 1. S ½. S 1. W ½.	49 63 78		Hazy & electric, few rain drops & distant Thunder, 11 am: then be- came bright, & very hot. Sharp lightning, Thunder & rain at times from 7½ pm till 11 pm. - 68	Elm leaf. Thunder NE. very hot. severe thunder storm.	41
S. 21.	-05	W 1. NW 3. N 2. N ½.	52 56 58		Cloudy, more or less - little sun at times in the afternoon, and cool breeze, great change brought on by the thunder last night. Bright Even'g & wind gone. 54	Full moon 1.24 pm.	

42424

340520

Mean Temp 61°428. Rain cald over 2.00

860

Temperature nearly 9 above Average, this week.

MAY 1864.

May.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather &c.	Thermometer 8 pm.	Notes.	Rain. 2.00
Su. 22.	30.10	W ₂ . W ₂ . W ₁ .	52 62 67	Rocky clouds & sun; fine, and pleasant day: less wind after 1 pm: Rather more electric in appearance of sky, and so all the evening. —	58	All trees in leaf.	
M. 23.	-03	WNW ₂ . N ₄ . N ₁ .	46 54 55	Cloudy, brisk wind, and stormy looking, with some sun, very blustering & cool day, but mostly bright after 1 pm. — and cool even, but less wind.	47	Black wind.	
Tu. 24.	-33	NW ₁ . NW ₁ . Var. o.	38 53 57	Cloudy with sun, and very little wind, but cool in the shade. Calm & softer even, hazy & mottled sky, with ribbed clouds. —	51		
W. 25.	-17	W ₂ . NW ₃ . N ₁ . NW ₀ .	45 61 62	Bright with small electric clouds, & brisk wind: after 11, very cloudy & gloomy, few drops of rain 1 pm; again clearer from 4 pm. and much less wind. —	52		
Th. 26.	-08	NW ₃ . N ₃ . N ₃ .	44 52 54	Bright & windy morning, more cloudy & cold afterwards, very black wind, but sun at times. Cloudy and cold evening, less wind & fine night. —	47	8 24 ♀ Cold wind.	
F. 27.	-18	NW ₁ . W ₂ . W ₃ . W ₂ .	45 57 65	Bright with cumuli clouds; continued bright with lighter clouds & fresh breezes. Very pleasant afternoon. Hazy even, but, very fine. Clearer night. —	57	* ♂ ♀ pleasant Day.	
S. 28.	-12	NW ₂ . NW ₁ . W ₀ . S E ₂ .	45 53 59	Clouds & sun, with cool wind, chiefly bright & less wind from 1 till 5 pm. — then clouds and breeze from SE. — Cloudy night. —	50	moon last Dr 9. 21 am.	
422	20		31 54 195	Mean Temp 52° 46 4. —) Rain E. up 2.00			
			734.5	Temp returned rather under Average.			

MAY 1864.

May.	Baro. meter	Wind.	Thermom. Lowest 9 am Highest	Weather, &c.	Thermometer 8 pm.	Notes.	Rain 2.00
Su. 29.	29.93	W ₂ . NNW ₃ . NW ₂ . NW ₁ .	48 51 53	Cloudy & rain early & till after 9 am, at times; clearer after 10, and chiefly fine, with some sun, but many clouds, & very cold wind. — Even's bright, very cold night. —	46	cold & unpleasant.	13
M. 30.	-14	Var. o. S ₂ . S ₂ .	34 54 59	Clear, & frost in some spots, early A.M. soon became warmer, with a change of wind, clouds & sun, with brisk wind. Less wind after 8 pm, heavy night. —	52	keen morn'g	
Tu. 31.	-88	SW ₁ . NW ₂ . N ₂ . ENE ₂ .	41 1/2 56 56	Bright till 8 am, then hazy, & some clouds; very cloudy from 11 am & cooler again, gloomy & rain in the afternoon, & evening, but a fine night after 9 pm. —	47		22
	179.95		1235 168	Mean Temp 48.58. —) Rain 2.35 In.			

Barometer.
Highest on the 16th — 30.41.
Lowest on the 9th — 29.80.
Range — 0.61
Mean of Month — 30.12.
1 Gale on the 2nd Day. —

Thermometer.
Highest on the 18th — 80°
Lowest on 30th morn'g — 34°
Range — 46°
Mean daily range — 17° 22.
Mean of Month — 53° 85.
A little above Average. —

Winds chiefly SE, NE, & NW, but much divided. — Fine days 23 in number, and the depth of Rain 2.35 Inches. —

This month was notable for extremes, the 1st, 2nd, & 4th week as well as last 3 days — were cold for the season, and a destructive frost on 30th A.M., whereas the 3rd week was intensely hot, even 8 1/2 degrees above Average Mean, and it ended on 20th by a violent thunder storm throughout the kingdom! — Vegetation rather forward, and public health indifferent. —

JUNE 1864.

June.	Baro. meter	Wind.	Thermometer 9 am	Thermometer 8 pm.	Notes	Rain.
W. 1.	29.91	NW, 43 Var. 0. SE ₂ . SE ₁ .	55 64		Bright, with light clouds, and very little wind; at times calm, but more w ^d after 2pm, and veered to SE. Evening fine, & chiefly bright. Cold night. - 53	Δ 0 1/2 δ 2 1/2
Th. 2.	-89	E ₁ . 38 SE ₁ . SE ₁ .	58 65		Clear, dewy morn'g, bright & warm day, but in SW, very hazy, and electric. Evening bright, and a cool air, but warmer night and more hazy. - 54	
F. 3.	30.01	SE ₂ . 47 E ₂ . E ₁ .	56 57		Hazy, & electric, and gentle rain from noon at times till 3pm, then fine but cloudy. Calm evening & sun set red and chiefly clear. - Fine night. - 51	10
S. 4.	-03	E ₁ . 44 Var. 1/2. SE ₁ .	59 67		Bright all day, gentle air, and few small clouds. Evening also chiefly clear, but hazy about horizon: - so all night. 59	new moon 11.40 a.m. fine and warm.
Su. 5.	-09	SE ₁ . 47 SW ₂ . SW ₂ .	62 70		Hazy, but bright, with some electric clouds, more cloudy after 12, for a time, but again clearer and hot, from 2 till 4. and the evening cloudy. rain 8 pm. 62	fair, and hot. little wet 8-9 pm.
M. 6.	30.00	WSW ₂ . 52 W ₃ . W ₁ . W ₀ .	63 72		Bright with flying clouds, & warm breeze. - Hot afternoon bright & very little wind. The Evng the same, sun set in golden splendour. - 66	very fine and hot.
Tu. 7.	-12	SW ₁ . 47 SSE ₁ . SE ₂ . SE ₁ .	70 77 1/2		Clear, very bright, and very hot all day, very few clouds, and but little wind, but rather more after 4 pm. Evening hazy and close. Very fine night. - 66	fine, & very hot. Dog-roses open.
41976			31834725	Mean Temp 56°.5. -) Rain over 0.13		
			-791.-	Slightly below Average. -		

JUNE 1864.

June.	Baro. meter	Wind.	Thermom ^t 9 am	Thermometer 8 pm.	Notes	Rain.
W. 8.	30.07	W ₀ . 53 Var. 0. SE ₁ . SE _{1/2} .	65 70		Very hazy & electric, sun just seen through a grey sky, sultry & black followed by very heavy rain, & severe lightning & thunder 2 to 3 1/2 pm. Fine Evng, close & electric. 59	very heavy thunder- storm pm. 82
Th. 9.	29.95	SW _{1/2} . 55 SW ₁ . S ₁ .	65 73		Sultry and electric morn'g, many small knotty clouds, but became bright & very hot; some electric clouds in the west, in the Evng. Wind to West after 8. - 64	very hot.
F. 10.	-98	W ₂ . 54 W ₁ . SW ₀ .	60 68		Fog & blue haze, chiefly bright after 12, with rocky cumuli, very warm afternoon, and evening, & clear sun-set. - but hazy in the night. - 64	pleasant day. -
S. 11.	-00	SSE ₂ . 49 SSW ₂ . SW ₁ . SW ₁ .	60 70		Cloudy, little rain at 7 am, became fair & sunny after 10, bright & hot afternoon, and clear evening, but hazy clouds on NW & W horizon. - 62	Δ 1/2 1/2 * 3 1/2
Su. 12.	-95	SW ₂ . 49 SSW ₂ . S ₂ . SE ₂ .	64 70		Bright with fleecy clouds, and warm breezes, but hazy from 1 to 3 pm, then again brighter but arcs of clouds across from S to N. - Closer night. - 60	moon 1-2 1/2 11.48 am. 3 1/2 1/2
M. 13.	-88	S ₀ . 53 SE _{1/2} . S ₁ . S ₁ .	60 60		Close & hazy, little rain 9 am, and continued gentle rain to 1 pm, cloudy & distant Thunder till 5. then a bright Evng. but stormy clouds in South 58	Elder in flower. 12
Tu. 14.	-78	S ₂ . 47 S ₂ . SSE ₁ .	63 69		Bright with flying clouds, and brisk wind, but hot at times. - Curled & electric evening, and close night. - 63	wheat ears emerged.
418977			360480	Mean Temp 60°.00. -) Rain 0.09		
			840 -	Temperature 2° above Average. -		

JUNE 1864.

June.	Baro. meter.	Wind.	Thermometer 9 ^{am} High.	Thermometer 8 ^{pm} .	Weather, &c.	Notes.	Rain.
W. 15.	29.64 -80	SW ₂ . 56 WSW ₄ . 61 W ₂ . 66 81. -			Cloudy & close, very warm and bright at times, but stormy sky distant showers, & wind gusty. Evening chiefly bright, but cooler than last. -	58	1.09
Th. 16.	-91 30.08	W ₃ . 50 W ₂ . 61 W ₁ . 68			Showery early A.M., but soon fine & bright, at times: very bright & warm after 1 pm so continued all the Even ^g . and very warm nights. -	64 60 H Distant Thunder 3 am.	.19
F. 17.	-20 -23	W ₂ . 55 SW ₁ . 65 SW ₁ . 73			Bright with light clouds, and warm breeze, from 9 till 1, cloudy & close, but again brighter & hot afternoon; Even ^g and night very sultry & cloudy. -	67 close & sultry.	
S. 18.	-10 -22	SW ₂ . 60 W ₃ . 62 W ₂ . 68			Sultry & showers early, continued showery till 10 am. Then clearer, with sun, & cumuli, & brisk breeze at times. Hazy & electric Even ^g , & Night. -	62 Rain a m- fine pm.	.33
Su. 19.	-32 -38	W ₂ . 53 W ₃ . 61 W ₂ . 67			Bright, but hazy, some clouds, and brisk wind, but less wind after 2 pm, & the evening calm and pleasant, but chiefly cloudy. Night clearer. -	61 Full moon 10.54 pm.	
M. 20.	-37 -29	W ₁ . 52 SW ₂ . 63 SW ₁ . 72			Bright, with loose cumuli clouds, very bright in the afternoon & hot, with brisk wind. Even ^g cloudy, close & sultry. Moon red & night clearer. -	67 very fine & parching.	
Tu. 21.	-20 -24	SW ₂ . 56 SW ₃ . 65 W ₂ . 70			Sultry breezes, & some clouds, but chiefly bright, and very fine, and a bright evening, and yellow sunset. Moon bright during night. -	64 very fine.	
421.98		38.2 48.4		Mean Temp 61° 85% - Rain 8. up - 1.61			
		866		Temperature near 4° above Average.			

JUNE 1864.

June.	Baro. meter	Wind	Thermom. 9 ^{am} High	Thermometer 8 ^{pm} .	Weather, &c. —	notes.	Rain.
W. 22.	30.26 -17	SW ₂ . SW ₃ . SW ₂ .	52 65 68		Bright with light clouds, and brisk breezes of wind; more electric in the afternoon. cloudy & some little rain at 4 & 6 pm. — Cloudy night.	62	
Th. 23.	-12 -05	SW ₁ . SW ₃ . W ₂ .	53 58 65		Cloudy, lowering, & little showers during the morn ^g ; very heavy rain at 2 pm. a sudden storm from W, then bright with some distant Thunder N.E. Fine night.	58 Δ 2 8 Thunder δ ♀ H	03 31
F. 24.	-19 -27	W ₃ . W ₂ . SW ₂ .	50 59 63		Clouds & sun, with a drying breeze, less wind after 1 pm, pleasant afternoon, and the evening cloudy and close. Night clouded over and more windy.	59	
S. 25.	-19 -12	SW ₂ . SW ₁ . Var. o.	54 61 65		Cloudy, gentle rain 5 am, and till after 7, then fair, cloudy and close, till another shower at 4 1/2 pm. Evening sultry, and hazy. — Very close night.	62	12 07
Su. 26.	-04 -02	W ₁ . W ₂ . W ₂ .	54 58 66		Cloudy till after 10, then clearer, clouds and sun, with gentle wind, very growing weather, more wind after 1 pm. Fine and chiefly bright the rest of the Day. Cool night.	58 moon, last Dr. 2.15 pm.	
M. 27.	-12 -25	NW ₂ . NW ₃ . N ₃ . 42.	47 57 59		Light clouds & sun, with cooler breezes; more wind after 11 am, little flying rain at times. — brighter after 4 pm. & very cool Evening. — Fine night. less wind.	54 no rain measurable but much at a distance.	
Tu. 28.	-25 -20	SW ₁ . W ₁ . SW ₁ .	47 58 61		Hazy & light clouds, with sun, more cloudy with little rain at times in the afternoon, & evening, and more after 8 pm, but finer after 12.	58	30
422.25		35.7 44.7		Mean Temp 57°. 428. — Rain 8. over — 2.44			
804		Temperature slightly under Average.					

JUNE 1864.

June.	Baro- meter	Wind.	Thermometer 9 ^{am} highest	Weather, &c.	Thermometer 8 ^{pm} .	Notes.	Rain. 2'44
W. 29.	30'12	W ₁ W ₂ SW ₃ & 1.	55 62 69	Cloudy, close, & moist, clearer after 9 am, bright & very warm till after 1, with many clouds, again cloudy, very close, and little rain in the Evening.	60	Close & warm.	'05
Th. 30.	29'99 30'01	W ₂ NW ₅ NW ₂ & 1.	56 61 65	Cloudy till after 8, then more wind, and bright, very blowing day, with flying clouds & sun. Less wind in the Evening, fine night, but hazy.	58	Blowing day.	
110'17			111 134	Mean Temp 2 Days 61° 25'. Total Rain 2'49			

Barometer.
Highest on the 19th — 30'38.
Lowest on the 15th — 29'64
Range — 0'74
Mean of Month 29'87.
No real Gale, but nearly so, on the 30th day.

Thermometer.
Highest on the 7th — 77° 5
Lowest on the 2nd am 38° 5
Range — 39° 0
Mean daily range 16° 3
Mean of Month — 59° 1
About 1 degree above Average.

Winds chiefly SW, and West. — Fine days 20 in number,
Depth of Rain 2'49 Inches.

This was a good, seasonable, and growing month, with a fair mean temperature, and no excesses. — Vegetation luxuriantly progressed, and most of the field, and garden crops looked well, and promising.

No great prevalence of sickness, either in Town, or country. The Midsummer storms less violent, and less apparent than usual, owing to the general prevalence of West wind, without any under-currents from Eastward to combat their passage.

JULY 1864.

July.	Baro- meter	Wind.	Thermometer 9 ^{am} highest	Weather, &c.	Thermometer 8 ^{pm} .	Notes.	Rain.
F. 1.	30'00 —'09	NW ₃ W ₃ ESE ₁	52 57 65	Cloudy, with Sun, & brisk wind, more rocky & threatening clouds from 10 am; but fine & mostly sun, and the wind fell to nearly calm in the Evening. Wind veered at 8.	58		
S. 2.	—'02 29'82	SW ₂ SSW ₂ S ₃	53 62 71	Close, with mixed electric clouds, & some sun, bright and hot from 1 till 4 pm, then more electric clouds all the Evening, and wind gusty during night.	62		
Su. 3.	—'76 —'87	SW ₂ SW ₂ W ₂ & 3.	52 59 63	Little shower early, lowering, morning, thunder. Showers passing round, and some heavy here at noon, & 3 pm. Cloudy, cool, even, & rain at times.	54	☐ ☉ ☿ * ♂ ♀ * ☿ ♂ ♂ ☿ ♀	'06 '40 '08
M 4.	30'00 —'12	W ₂ W ₂ W ₁	50 59 67	Flying clouds with sun, very fine and warm afternoon, but more clouds after 3 pm, and in the Evening. — Fine night & mottled sky.	60	New moon 0'24 am.	
Tu. 5.	—'11 —'14	W ₃ W ₄ WNW ₂	51 58 63	Bright and breezy morning, soon followed by many clouds, but the afternoon brighter, and fine. Even, less wind, and red sunset.	58	very parch- ing day.	
W. 6.	—'20 —'29	NW ₂ NW ₂ N ₂ & 1.	50 56 60	Bright with cumuli, and cool breeze, very fine, but cool for the season. Less wind at Even, — very fine and cool night.	54	☐ ☿ ♀	
Th. 7.	—'26 —'27	NW ₁ NW ₂ NW ₁	49 61 63	Gry clouds and sun, with a cool breeze at times; — The Evening chiefly very bright, & some dappled clouds, more electric in appearance.	54	Gardens in highest beauty.	
420'95			357'452	Mean Temp 57° 785'. Rain cal ^d over 0'54.			
809				Temperature 5 ³ / ₄ below Average.			

JULY 1864.

July.	Baro. meter	Wind.	Thermom. 9 am	Thermom. at 8 pm	Weather, &c.	Notes	Rain 0.54
F. 8.	30.22	NW ₂ .	50	54	Cloudy & some drifting vapour, finer after 10, but very little gleam of Sun, & very cool for the season. Sun set clear & red under a dark band of cloud. 54		
S. 9.	-24	NW ₂ .	49	54	Cloudy more or less, but a slight gleam of Sun, and thinner clouds after 11, the Evening the same as the day, fine & closer night. 55	△ 0 4	
Su. 10.	-22	ENE ₁ .	52	60	Low clouds, and electric haze, slowly cleared off after 11, to a bright afternoon, and parching breeze. - Seeds rose from E, breezy all night. 61		
M. 11.	-24	E ₂ .	53	71	Bright, and very hot, with light clouds, & fresh breeze, Evening also very brilliant, & wind less, but cooler, and seeds came on at 8; 60	△ 4 ♀ □ 2 ♀ very hot.	
Tu. 12.	-28	NE ₂ .	52	58	Cloudy, with sun, chiefly bright from 11 am, but a cooler breeze than yesterday. Scudgy clouds in the Even- ing, & during the night. 56	moon- 1 st Dr 3.51 am.	
W. 13.	-15	NE ₁ .	50	60	Cloudy with some sun, the middle of the day mostly bright, but a cool breeze. Very clear Evening till after 7, then seeds again came on. 56		
Th. 14.	-25	E ₁ .	49	62	Hazy & some fog, cleared off at 8, bright and very hot day, & mostly calm. The Evening also very bright. 63	clear and hot.	

42335 355465 Mean Temp 58.571. -) Rain cal. up 0.54

820 = 4 1/2 degrees under Average.

JULY 1864.

July.	Baro. meter	Wind.	Thermom. 9 am	Thermom. at 8 pm	Weather, &c.	Notes	Rain 0.54
F. 15.	30.25	E ₀ .	46	64	Some fog early, bright after 5 am, and very hot; but in the afternoon more electric & hazy. Sun set red in a hazy cloud, & sky the same. 61	very fine and hot.	
S. 16.	-30	E _{1/2} .	54	61	Hazy with grey clouds, very little sun till after 10, then very bright all day, and hot, and clear evening. Sun set in golden lustre. 62	very fine & hot.	
Su. 17.	-30	SE ₁ .	48	65	Bright, calm, & lovely morning, continued bright, and hot, with very little wind, and from 11 am, much hotter all the p.m. clear & hot even, sun set red in dusty haze. 67	♂ 0 ♀ ♂ 2 ♀ very hot.	
M. 18.	-24	NE ₁ .	51	62	Fog early, cleared off at 7, but much cloud, and more wind, very electric & dappled, but hot, & sunny afternoon. Close & sultry evening, no wind. 67	♂ 0 ♀ very pleasant afternoon.	
Tu. 19.	-22	N _{1/2} .	59	71	Bright and very hot, most- ly calm, but at 2 pm, it weep- ed to SE, gentle, with rocky cu- muli, more wind & hazy from 4 pm. Sun set red & clear. 66	Full moon 6.36 am, very hot day, distant thunder.	
W. 20.	-22	W ₁ .	57	70	Hazy, but bright, less haze after 8 am, very clear & very hot, nearly calm till 3 pm, then a breeze from SE. - Sun set in golden lustre, and very hot Evening, and calm. 68	Extremely hot.	
Th. 21.	-09	SW _{1/2} .	56	72	Bright, & calm, but little more wind after 8 am, continued bright, and extremely hot, Evening hazy & electric, showers at 8 1/2 - 10 & 11 pm. 72	continued extreme heat, distant thunder.	71

42373 371531 Mean Temp 64.428.) Rain cal. over 0.65

902 Nearly one degree above Average. -

JULY 1864.

July.	Baro. meter	Wind.	Thermom. 9 ^{am} & 9 ^{pm}	Weather.	Thermom. 8 ^{pm}	Notes	Rain. 0.65
F. 22.	30.02 -01	SW ₂ . SW ₂ . SW ₂ .	57 65 73	Light clouds, & Sun, very fine and hot, with a pleasant breeze. - Cloudy & close from 2 pm. very sultry evening and night. Clear after 12 ^{pm} .		close & sultry.	
S. 23.	-10 -12	W ₁ . W ₁ . WSW ₁ & 0.	60 70 78	Bright, with light clouds, & little breeze, but very hot, and continued parching weather. Sun set red in pale haze, & very sultry night.		very hot & bright.	
Su. 24.	-11 29.99	SW ₁ . SW ₂ . SW ₁ .	55 67 77½	Clear, & bright orange sun-rise, very fine, bright, and hot day, with more wind at times; Clear Evening, hazy and very electric.		very hot & electric.	
M. 25.	-98 -87	SW ₁ . SSW ₂ . SW ₃ . & 4.	59 60 72	Thick with few rain drops at 6 am, continued cloudy till 11 am, then sun at times, with lighter clouds, hot afternoon, and close & electric evening. Rain at times during night.		moon- lost at 8.46 pm. □ 8 8 rain eve	
Tu. 26.	-81 30.07	W ₃ . NW ₂ . NW ₁ . & 0.	58 64 68	Showers early, but bright morn'g, after 9 rises; cloudy with sun, fine and pleasant day, and brighter after 4 pm, calm & warm evens.		* 1/2 8	22
W. 27.	-13 -12	SE ₁ . SE ₂ . SE ₂ .	54 65 76	Bright with light curdled clouds, very hot day, & mostly bright with electric clouds, cirri & cumuli. and bands of cloud from a point NW to NE.		very hot.	
Th. 28.	-01 -01	SSW ₂ . SW ₂ . SW ₂ .	54 66 73½	Clouds & Sun, close but very pleasant, hot afternoon and brighter. very sultry evening, & rather hazy. Fine & warm night.		□ 7 8	
420.35 397.518 Mean Temp (65°-35°) Rain & up - 0.87							

915 = Temperature nearly 2 above the Average.

JULY 1864.

July.	Baro. meter	Wind.	Thermom. 9 ^{am} & 9 ^{pm}	Weather, &c.	Thermom. 8 ^{pm}	Notes	Rain. 0.87
F. 29.	30.12 -23	W ₁ . W ₁ . W ₂ .	57 69 76	Bright and very hot, with some light cumuli clouds, sultry Evng, curdled, and electric, with haze in streaks westward.		Exceedingly fine & hot.	
S. 30.	-30 -30	SW ₁ . SW ₃ . SW ₂ .	55 68 80	Bright and very hot, with a fresh breeze at times; more cloudy between 12 & 1, and at times after, but extremely hot. and close, evng & night also.		very hot & sultry.	
Su. 31.	-33 -20	SW ₁ . SW ₁ . SW ₃ .	60 70 77	Hazy & electric morn'g, and a thin haze all the forenoon, but very hot, cloudy from 12 till 3. then brighter, with hot breezes, & clear Evng.		very hot, & electric.	
181.48 172.233 Mean Temp 3 days (67°-5°) Rain - 0.87							

Barometer.

Highest on 31st - 30.33

Lowest on 3rd - 29.76

Range - 0.57

Mean of Month 30.14

No gales this month.

Winds chiefly SW, W, & bearing to NW, but with much division in easterly points. Five days 29, and rain only .87 of an Inch.

This was a notably dry month and from the 10th day, mostly very hot to the end. Grass burnt up, and waters very low. Corn ready for Harvest at the end of the month, and some already cut, but some ill effects of the severe draught became evident among the crops. The air abounding with green winged lice, and honey dew prevailing much. but the Public health a medium in most places.

A dry & hot month.

Thermometer.

Highest on the 20th & 21st 81° -

Lowest on 15th morn'g - 46° -

Range - 35° -

Mean daily range - 17° 64

Mean of Month - 62° 112.

AUGUST 1864.

Aug th	Baro. meter	Wind.	Thermometer 9 highest	Thermom ^t . 8pm.	Weather, &c.	Notes.	Rain.
M. 1.	30.13	W ₃ . W ₂ . WSW ₁ . & o.	59 65 72		Bright, with light clouds, and fresh breeze, rather more clouds in the afternoon, but fine & hot. Close and calm Evening. Fine night. —	* H ♀	
Tu. 2.	-20 -24	W _{2,3} . W ₂ . WNW ₁ .	53 63 68		Rocky clouds, & sun, with brisker wind. Darker clouds in the afternoon, till 4pm, then brighter, with light gray clouds in the evening. 63	new moon 2.34pm.	
W. 3.	-24 -27	NW ₁ . W ₁ . W _o . S E ₁ .	51 62 69		Bright with light clouds warm & pleasant, and near- ly calm from 3pm; evening clearer & breeze at 8p. Fine and warm night. —	* H ♀ continued very fine.	
Th. 4.	-20 -20	S E ₂ . S ₁ . SW ₁ . WSW _o .	57 67 80		Close morn ^g , but bright af- ter 8am, continued so all day, and very hot, and the Evening very sultry, and elec- tric. and night also. —	very fine & extremely hot. —	
F. 5.	-28 -23	W ₁ . SW ₁ . SW _o . Var. o.	61 74 86		Bright, and extremely hot all day. At noon 82°, 1pm 84° 2½pm 86°, and 5pm 83°. — Evening thick & electric; little rain at 7 & 8pm. Clearer night. 76	□ 4 ♀ □ 8 ♀ Excessive heat. —	
S. 6.	-23 -17	W ₁ . W _½ . W _½ .	59 66 78		Bright, but soon cloudy, and close till near 12, then bright and very hot, wind gentle, & few clouds, sultry evening, and little haze in bands from SW. 70	* O H 8 4 ♂ very hot.	
Su. 7.	-18 -04	W ₁ . W ₁ . W ₁ .	56 68 77		Bright, with some hazy and light clouds, and very hot, more so in the after- noon, & sultry evening. — Stiff breeze from 8pm till night. 71	very hot, & parching. Slight lightning 10pm.	
422.75		WSW _{3,4} .	39.6 53.0 5		Mean Temp 66° 178. Rain cal ^d up —		.03
			926.5		Temperature 4° above Average. —		

August * 1864.

Aug th	Baro. meter	Wind.	Thermometer 9 highest	Thermom ^t . 8pm.	Weather, &c.	Notes.	Rain.
M. 8.	29.97 30.05	WSW ₃ . W ₄ . W ₂ . WNW ₁ .	64 69 79		Sultry breeze, cloudy & little rain 8am, but soon fair, bright, and very hot and continued so. — Evening bright with silvery dappled clouds & less wind. 70		.01 very sultry.
Tu. 9.	-08 29.91	W ₁ . S E ₁ . S E _o . NW ₂ .	54 59 60		Cloudy morn ^g , rain from 8am very gentle at times till noon; and again after a short suspense in the afternoon faster rain, till 4pm, fine even ^g , and cleared off at sunset. —	much cooler & gentle rain.	.25
W. 10.	30.03 -12	NW ₄ . W ₅ . WNW ₃ . NW ₂ .	48 58 65		Clear & cool, with brisk wind, stormy clouds in the forenoon, with sun, & boisterous winds. — distant showers, & sun at times 4pm. Fine night, chiefly clear. —	moon — 1st. 2r. 5.57pm.	
Th. 11.	-32 -48	W ₂ . NW ₂ . NW ₂ . N ₁ .	48 58 63		Bright, with rocky clouds, and a cool breeze, very much cooler, than long time previously. Evening quite clear, sun set in full splendour. — Cold night. 56	□ 0 4	
F. 12.	-48 -43	Var. o. SW ₁ . SW ₂ . SSW ₁ .	39 61 71		Very heavy cold dew early AM, quite clear, fine day, bright, and warm, but hazy after 1pm; again bright & hot from 3pm. Hazy and more electric in the evening. but the night clearer. —		64
S. 13.	-47 -53	NE ₁ . E ₁ . E ₁ .	49 68 78		Bright and very hot, little wind at times, but chiefly calm. Evening also very bright, and fine golden sunset. — Very fine moon light night. 66	* ♀ H very fine and hot.	
Su. 14.	-54 -57	E ₁ . E ₁ . S E ₁ .	49 67 76		Bright with small electric clouds, and very hot. Some hazy clouds in West after sun- set, and some also in the E. 64	continued parching weather.	
423.94			35.1 49.2 84.3		Mean Temp 60° 214. —		.29
					Temperature rather under Average. —		

AUGUST * 1864.

Aug th	Baro. meter	Wind.	Thermometer 9 ^{am} Highest	Weather, &c.	Thermometer at 8pm.	Notes	Rain. 29
M. 15.	30.56	NW ₁ NE ₂ NE ₂	50 64 70	Fog early, bright at 6 & 7, then again foggy, but after 9 very bright and continued parching weather. More wind, and grey clouds p.m., and all the evening.	59		
Tu. 16.	-47	N ₁ NE ₁ NE ₀ SE ₁	54 64 73	Close and cloudy, blue fog from 7 till 9 am, slowly cleared off, hot afternoon, with sun & electric clouds. Sun set red in haze. Fine & closer night.	68	waters exhausted and grass burnt up, by long drought.	
W. 17.	-24	N ₃ NE ₂ NE ₂ NE ₂	55 60 66	Cloudy & breezy morn'g, clearer after 10, bright, with cumuli clouds, and cool breeze. The evening very cool, and some larger clouds, but clearer at 9 pm, and in the night.	58	Full moon 1. 36 pm. * 24	
Th. 18.	-16	N ₁ N ₁ N ₀	49 59 63	Grey clouds & sun, very fine and but little wind, yet cool for the season. Singular bars of cloud at 9 pm from W to E. Very cool night.	57	☐ ☉ ♂	
F. 19.	29.95	Var. SE ₁ SE ₂ SE ₁	40 62 68	Heavy dew, and very cool morn'g, bright and warm day, with cumuli clouds, and more cloudy & closer from 4 pm. - Fine night.	61		
S. 20.	-85	NW ₁ N ₁ ESE ₂ SE ₁	53 61 66	Cloudy morn'g, but after 7, it became bright, with rocky clouds, and rather cool breeze. Showers at a little distance, & dark clouds all the evening. - Night clearer.	58		
Su. 21.	-02	SE ₁ SE ₁ E ₁₋₀	42 63 67	Clear, cool & dewy morn'g, much warmer after 7, continued bright till 10, then cloudy & black heavy thunder. storm 12 to 14 pm. from SW. From 3 pm very fine.	55	* ☉ H some thunder storm all noon some hail.	70
422.25		343473		Mean Temp 58° 28. - Rain over - 99			

816 — 4° below Average nearly.

AUGUST * 1864.

Aug th	Baro. meter	Wind.	Thermometer 9 ^{am} Highest	Weather, &c.	Thermometer at 8pm.	Notes	Rain. 0.99
M. 22.	30.12	W ₁ NE ₂ E ₃ NE ₂	43 58 62	Bright, with some clouds, in opposite currents, and a cool breeze. more clouded after 1 pm & more wind. Hazy and cloudy evening with very cool wind. - Blowing all night.	55		
Tu. 23.	29.91	NE ₄ NE ₄ N ₂	51 55 56	Blowing & cloudy morn'g, little rain from 8 am, very cloudy & cool day, blowing & rain at times. Clearer at evening wind less, and fine night.	52	blowing very cool gloomy & little wet.	07
W. 24.	30.03	NW ₄ NW ₃ NW ₁	47 54 60	Blowing & cool morn'g, with scuds and sun, squalls & flying rain at times, clearer evening, and wind nearly calm. - Fine night & very cool.	53	moon last Dr 6. 4 am.	03
Th. 25.	-28	NW ₁ NW ₁ NW ₂	43 56 63	Bright morn'g, and continued bright, with cumuli clouds, most of the day, but more hazy after 1 pm, at times, and the evening closer & little rain at 7.	56	Fine and pleasant.	01
F. 26.	-33	NW ₁ NW ₂ N ₂	44 58 61	Bright with flying clouds, some flying showers in the middle of the day, but mostly fair, & a cool wind. Clear evening, nearly calm & very cool.	53	Δ ♂ ♀	04
S. 27.	-45	NW ₁ Var. SE ₁ SE ₂	43 58 67	Bright with heavy dew early, continued bright, with light clouds; nearly calm, and very warm afternoon. Evening hazy & warm, and electric clouds.	58	very fine.	
Su. 28.	-30	S ₂ SW ₂ SW ₃ SW ₂	50 60 65	Cloudy morn'g, very little sun, and at noon a thick haze, strong, and electric, very thick all the afternoon, and little rain from 5 pm, and more till 12 pm.	60		20
422.93		321434		Mean Temp 53° 28. ! Rain &c. over 134			

755 About 8° under Average!

August * 1864.

Aug th	Baro. meter	Wind	Thermom ^t 9 ^{am}	Thermom ^t 8 ^{pm}	Weather, &c.	Notes	Rain. 1.34
M. 29.	30.19	SW ₂ .	56		Close morn ^g , clearer after 9am, electric clouds, and a hot afternoon, and sultry evening, with rocky electric clouds at a distance.	very warm & pleasant.	
	-17	WSW, SW ₀ .	62	74	Beautiful night.		
Tu. 30.	-14	S E ₁ .	51		Bright and lovely morn ^g , very bright all day, and very hot, with brisk wind at times; some hazy clouds at eve, but very sultry.	very hot & clear.	
	-04	S E ₃ S E ₂ .	68	77		Hot night.	
W. 31.	29.75	S E ₂ .	65		Very sultry, cloudy, and blowing morning, little misting at noon, & showers after 1, and till 4pm, then fair & bright. Even ^g , & wind gone.	Sultry AM. Showery P.M.	
	30.04	SSE ₄ SW ₃ .	68	71			.32
		W _{2.1} .					
180.53			172	222	Mean Temp 65.66. -) Rain 1.66		

Barometer.

Highest on 14th - 30.57

Lowest on 19th - 29.83

Range - 0.74

Mean of Month 30.20.

No gales in this month.

Thermometer.

Highest on 5th - 86°

Lowest on 12th morn^g 39°

Range - 47°

Mean daily range 18° 3.

Mean of Month 60° 23.

Prevailing winds W, & NW, but much divided NE, & SE. -
Fine days 24; and depth of Rain 1.66 Inch.

This was a very dry month, with great heat at times, and the pastures were quite scoured and waters dried up, far beyond anything known for very many years; but it was a lovely time for Harvest, which was quickly completed before the month's end, crops good, and a fair yield. -
No great sickness prevailed in the rural districts.

September * 1864.

Sept.	Baro. meter	Wind	Thermom ^t 9 ^{am}	Thermom ^t 8 ^{pm}	Weather, &c.	Notes	Rain.
Th. 1.	30.18	W ₂ .	49		Clear, bright morn ^g , and a fine, warm, sunny day, very pleasant, and fresh breeze. Some electric clouds after 3pm, all the Evening.	new moon 6.8 am. * 4♀	
	-15	SW ₂ .	62	68			
F. 2.	-03	S ₁ .	54		Close, with mixed clouds, clearer at 9am, flying clouds with sun, warm & pleasant. till 4pm, then rain in gentle showers during even ^g .		.10
	29.94	SSW ₂ SSW ₃	61	66			
S. 3.	-87	SW ₁ .	57		Close morn ^g , and blue haze, bright after 9, and hot, with very electric rocky clouds; distant thunder. shower at 8pm, Thunder & lightning.	Hot, and distant Thunder.	.10
	-80	WSW, S ₁ .	63	70			
		SW ₂ .					
Su. 4.	-90	WNW ₂ .	55		Clouds & sun, pleasant morn ^g , bright and warm day, and very pleasant, with rocky clouds. Calm & soft evening - but very hazy.	very fine & pleasant.	
	30.04	W ₁ .	61	68			
		W ₀ .					
M. 5.	29.95	NW ₃ .	54		Rain early AM, cool and cloudy till 10, then bright with flying clouds, and very brisk winds. Yellow ☉ set, and less wind. Clear night.	Squally air.	.21
	30.12	W ₄ .	55	65			
		W ₄ .					
		W ₂ .					
Tu. 6.	-18	SW ₁ .	50		Clear at first, clouds from southward at 7, and gentle rain in the middle of the day. Clear & very warm after 3pm, and a sultry even ^g .		.15
	-01	S ₂ .	59	67			
		SW ₃ .					
W. 7.	-05	W ₂ .	60		Very sultry morn ^g , clearer after 8, grey clouds & sun, & very warm & fine till after 3, then a little rain all the even ^g & very close.	☐ ♀ H	.06
	-12	W ₁ .	64	68			
		SW ₁ .					
420.34			379	472	Mean Temp 60.78.) Rain 6.2 over 6.2		

851

Temperature 2 ³/₄ above Average. -

September 1864.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather &c.	Notes.	Rain. 0.62
Th. 8.	30.08	SW ₃ SW ₄ SW ₂	64 68 74		Very sultry breeze, & bright with electric clouds, very hot day, yet a brisk wind. Beautiful sunset, dappled & gilt clouds. Exceedingly sultry all night.	very hot & sultry.	
F. 9.	-09	SW ₂ SW ₄ SW ₃	65 69 72		Very hot breeze, flying clouds, with bright sun at times, more wind after 10, in strong gusts, but hot & sultry. Less wind at eve, & rather cooler.	moon 1st Qr 5.50 am.	
S. 10.	-18	S ₂ SW ₂ S ₁ SE ₁	54 59 62		Hazy and calm, morn'g, continued hazy, with little sun, clearer at 4 pm, but very hazy evening, sun red & dim at setting, and moon in halves.		
Su. 11.	29.89	W ₂ W ₃ W ₂	52 57 63		Bright with cooler breeze, and large rocky clouds, some distant showers; evening chiefly bright, and brassy colored sky below. Moon bright.	Much lightning N.E. & S.E. at 8 & 9 pm.	
M. 12.	30.08	W ₂ W ₂ W ₀	47 57 62		Bright with cool breeze, and clouds at times; more cloudy in the middle of the day. Serene evening, no wind, and less cloudy. Clear night.	lightning in the E. 8 pm.	
Tu. 13.	-13	S ₁ SSW ₂ S ₃ S ₁	41 53 64		Clear till 7, then hazy & cloudy till 10, afterwards bright, and warm till 1 pm, little rain at 2, then fine, with many clouds, and lowering evening.		
W. 14.	29.94	S ₂ S ₆ SSW ₃	54 61 66		Squally sky, and very strong gusts of wind, with flying clouds, yet warm. Overcast & heavy rain at times, evening and night.	Δ 8 ♀ wet evening.	75
420.41		377.463		Mean Temp 60.00. Rain E. up 1.37			
		840		Two above Average.			

September 1864.

Sept.	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	Notes.	Rain. 1.37
Th. 15.	29.76	SW ₁ S ₂ SE ₃ SE ₂	52 59 65		Bright and warm, with rocky clouds, all the forenoon, more clouds and wind after 1 pm, and somewhat cloudy in the evening. Hazy night.	Full moon 9.9 pm. * 0.24 58 6 ♀ ♀	
F. 16.	-63	SE ₃ S ₂ S ₂ S ₁	55 61 63		Overcast & light rain, with squalls of wind, & heavier rain at 11, and continued showering. Evening fine but hazy, and rain after midnight.	Δ 8 ♀ stormy. 17	
S. 17.	-53	SW ₁ SW ₂ S ₂	51 58 65		Hard rain 3 & 4 am, fine and bright after 6, so continued all day, warm afternoon, and rocky clouds. Lightning in NW in the evening. Stormy sky.	Rain early by a.m. fine in the day. 58	35
Su. 18.	-75	SW ₂ WSW ₂ SW ₃ S ₁	51 56 64		Showery morn'g till after 7, then fair and bright with cumuli clouds, all day, and drying breeze. Evening chiefly clear, but electric clouds at a distance.	rain early but very fine day. 57	12
M. 19.	-86	SE ₁ SW ₁ W ₀	46 55 60		Fog on valleys, bright morn'g, and continued bright with rocky clouds; the evening calm, and nearly clear. Sun set red in clear sky. Fine night.	very fine. 56	
Tu. 20.	30.00	W ₁ W ₁ SE ₁	45 55 62		Fog below, clear above, continued bright, with light clouds, and but little wind. Hazy and more electric in the evening. Closer in the night.	fine & pleasant. 56	
W. 21.	29.86	SE ₂ SW ₂ S ₁	53 59 65		Rain early, clearer after 8, and became bright and warm, with small cumuli & gentle wind. Hazy night & rain after 12.		17
417.10		353.444		Mean Temp 56.92. Rain over 2.18			
		797		Temperature slightly under Average.			

September 1864.

Se.	Sept.	Baro.	Wind.	Thermom.	Thermom.	Weather, &c.	Thermom.	notes.	Rain
		meter		9 am	8 pm				
Th.	22.	29.95	SE, 54 SSE, 58 SE, 67			Very rainy from 4 a.m. till after 8 a.m., then fine, and clearer, bright and very warm from 11 a.m. till 4. Thunder cloud NW - then, and fine evening, clear & mild.	moon last Dr 6.54 pm ♂ ♀ □ ○ H		2.18
F.	23.	30.07	W, 50 WSW, 58 SW, 65			Bright and warm, with light breeze, & few clouds. more cloudy and electric after 4 pm, and all the evening. - Close night.	very fine & warm.		
S.	24.	-16	SW, 56 W, 60 W, 63			Cloudy, & close, clear after 8, and more wind. Continued fair but chiefly cloudy till 3, then bright, and a very serene evening.	fair, and pleasant.		
Su.	25.	-42	Var. 0. 43 W, 56 W, 61 SE, 64			Fog early, very bright after 7, and a fine warm day, calm, and pleasant. Even rather hazy, but the stars bright.	□ H ♀ very fine & pleasant.		
M.	26.	-48	SE, 47 SE, 58 SE, 68			Fog early, very bright after 7, and so continued, hot afternoon, few small clouds & very gentle air. Sun set in golden lustre.	very fine and hot.		
Tu.	27.	-48	E, 46 SE, 62 E, 66			Very bright and hot, all the forenoon, cool breeze after but still bright, and a very clear evening, and brilliant sunset.	very parching.		
W.	28.	-42	SE, 45 SE, 59 SE, 69			Fog early, very bright after 8, and continued so, and hot afternoon, and very serene & bright evening. Some fog during night.	very fine & hot for the season.		
		42431		3414625		Mean Temp 57° 39. Rain 2.36			
				803.5		Temperature a full Average.			

September 1864.

Sept.	Baro.	Wind.	Thermom.	Thermom.	Weather, &c.	Thermom.	notes.	Rain
	meter		9 am	8 pm				
Th.	29.	30.30	NW, 47 WNW, 51 NW, 62 N, 57		Thick fog till after 10, then became bright with cooler breeze than of late. Cloudy Evening, nearly calm, & milder. - Night in part clearer.			
F.	30.	-23	NW, 51 N, 55 NW, 58		Bright morn till near 9, then clouds, but a fine day, with sun & cloud, and cool breeze. Evening partially cloudy.			
		12102		981205	Mean Temp 54° 62. -			2.36

Barometer.
Highest on the 26th — 30.52
Lowest on 16th — 29.51
Range — 1.01
Mean of Month — 30.05
Gales on 2 days. 9th & 14th.

Thermometer.
Highest on the 8th — 74°
Lowest on 13th am — 41°
Range — 33°
Mean daily range — 13° 8
Mean of Month — 58° 5

Prevailing winds SW, and W. Fine days 19, and the Depth of rain 2.36 Inches.

This was a good Autumnal month, yielding salutary rains after the previous long drought, and the mean Temperature was rather above the Average for Sept. Thunder prevailed as usual on 22nd at the time of the Equinox, and although refreshing rains fell at times, it was on the whole a fine month, and not altogether an unhealthy period.

October 1864.

Oct.	Baro. meter	Wind.	Thermom. Lowest 9 a.m.	Thermom. Highest 8 p.m.	Weather, &c.	Notes.	Rain.
1. S. 1.	30.27	NE ₁ NE ₂ E ₂	42 56 61		Bright with very warm sun, but a cool breeze at times. Evening rather more cloudy, but a fine night, and not cold.		
2. Su. 2.	32 43	E ₁ SE ₂ E ₄ E ₃	48 57 58		Bright with rocky clouds, warm morn, but colder & more wind after 9 a.m., blowing day with cumuli and sun. Fine even & night.	Δ ♀ H wind varied much between ESE & ENE.	
3. M. 3.	51 44	E ₂ E ₃ E ₂	47 52 53		Cold & blowing day, but very fine, with alternate sun and clouds. Less wind in the evening, & partially cloudy. Night fine.	blowing and cold.	
4. Tu. 4.	40 31	E ₃ E ₃ E ₂	47 51 54		Cloudy, cold and blowing as before, but very fine, and after 11, chiefly bright with flying clouds, and very parching weather. Even & night similar.	very fine & parching.	
5. W. 5.	28 26	E ₂ E ₃ E ₂	41½ 53 57		Clear, very bright and parching, with cool breeze, and the evening similar, but rather less wind at times. Very fine night.	parching weather.	
6. Th. 6.	30 38	E ₁ E ₂ E ₂	43 56 61		Clear, very fine and bright, with a parching breeze. In the evening some clouds on East horizon, fine night.	very bright & parching.	
7. F. 7.	40 41	E ₁ E ₂ E ₁	45 56 61		Very bright and parching all day, warm sun, and fresh breeze. - All clear evening but wind less all night.	very fine & bright.	
424.98		3133.405		Mean Temp 51° 32) Rain - nil - 0.			
		718.5		Temperature above Average. -			

October 1864.

Oct.	Baro. meter	Wind.	Thermom. Lowest 9 a.m.	Thermom. Highest 8 p.m.	Weather, &c.	Notes.	Rain.
S. 8.	30.41 38	ENE ₁ NE ₂ NE ₁	43 52 57		Clear, very bright morn till 8, then cloudy all the day, but warm & pleasant, and a closer even & night.	moon 1st Dr 3.37 pm.	
Su. 9.	32 32	NE ₁ NE ₂ NE ₁	49 52 57		Grey clouds, mild morning, but cooler breeze after 8, clouds & sun, fine and parching as for many days past. Fine night.		
M. 10.	32 42	N ₂ NE ₂ NE ₁	47 54 56		Cloudy with sun, slight flying rain 11 a.m. after-noon chiefly cloudy. Closer even, and nearly a calm. Cloudy night.	Δ ♂ ♂ very fine.	
Tu. 11.	43 39	NW ₁ NW ₂ NW ₂	49 52 54		Cloudy, damp air in the morning, but dry afterwards, & very cloudy, and cool. Evening & night cloudy, and wind, breezy.		
W. 12.	36 32	NW ₃ NW ₂ W ₀	48 53 58		Cloudy with sun, warmer and very pleasant day. Close & calm evening, with dark knotted electric clouds.	very fine & warm.	
Th. 13.	23 16	NW ₂ NW ₂ NW ₁	47 51 58		Cloudy morn, but after 8 became bright, so continued till after 2, then cloudy and the rest of the day the same. Close night.		
F. 14.	16 15	NW ₁ NW ₂ N ₁	49 53 56		Cloudy and close morn, mixed clouds all day, and little sun at times. Evening in part cloudy.	♂ ♂ h	
424.37		332.396		Mean Temp 52° -) Rain none -			
		728		Temperature above Average.			

October 1864.

Oct	Baro. meter	Wind.	Thermom. 9 ^{am}	Thermom. 8 ^{pm}	Weather, &c.	notes	Rain 0'—
S. 15.	30.22	NW, 39 NW, 48 W 0.	54		Clear, colder morning, but very bright and warm sun after 9 am, more hazy in the afternoon, & some clouds. — Calm & hazy evening. —	Full moon 6.15 am.	
Su. 16.	-07	SW ₂ 43 SW ₃ 50 SW ₃ 58			Cloudy, few rain drops, 8 am, mixed clouds & sun after 9, wind gusty, warm blowing evening and night, and stormy sky. —		
M. 17.	-79	SW ₂ 50 SW ₃ 54 SW ₃ 57			Clouds & sun, with a warm breeze, lowering after 1 pm, and slight rain at times, but a fine and close evening. —	very slight shower.	02
Tu. 18.	-77	SW ₁ 51 SW ₂ 53 SW ₀ 59			Close with clouds and sun; warm and pleasant day, and from 4 pm, calm and summerlike evening. Clearer some part of the night. —	very pleasant, and warm.	
W. 19.	-69	SE ₂ 49 SE ₂ 58 SE ₅ 64			Hazy and close, but soon bright, curdled & electric, very warm, but more wind after 12, and sultry breeze all the evening. Blowing all the night. —	sultry & gusty.	
Th. 20.	-10	S 7. 52 SW ₅ 53 SW ₅ 59			Severe gale, 5 am, less wind afterwards, and became bright, squally afternoon, little flying rain at 3 pm; clear night and much less wind. —	very galy.	01
F. 21.	-72	SE ₂ 42 SE ₃ 51 SE ₃ 57			Hazy, with clouds & sun, little rain at 8 am, fine and warm afterwards, mixed clouds, and sun at times. Close evening and night, & very cloudy. —	chiefly fine & mild.	01
416.61		326.408		Mean Temp 52° 42.8. — Rain 2.25 0.04			

73.4 — { Temperature much above the Average, — and increasing weekly since the beginning of the month.

October 1864.

Oct.	Baro. meter	Wind.	Thermom. 9 ^{am}	Thermom. 8 ^{pm}	Weather, &c.	notes	Rain 0'04
S. 22.	29.44	SE ₂ 52 S ₃ 53 SE ₃ 57			Gentle rain early, close and lowering morning; very heavy storm of rain 10 am — then fine with sun & flying clouds. Showery in the evening, and close night. —	moon last Dr 11.27 am. Δ OH Stormy.	60 72
Su. 23.	-24	SSE ₂ 49 S ₄ 52 SSW ₃ 55			Lowering and squally morning, rain at times after 9 am, very stormy & unsettled all day. — Evening and night fine and in part clear. —	Δ 8 & Stormy.	05
M. 24.	-44	SE ₁ 42 SW ₂ 49 SW ₂ 57			Bright, calm, warm, and pleasant day, but more hazy after 2 pm, from SW. — Night clear but fog below, & no wind. —	fair and warm.	
Tu. 25.	-68	NE ₀ 35½ E ₂ 43 E ₁ 56			Fog more or less till after 11, pleasant afternoon, & some sun, but much heavy cloud. Evening very cloudy and close, with a few rain drops. —	Δ 7 & 8	
W. 26.	-60	NE ₂ 49 NE ₂ 54 NE ₂ 56			Hard rain 6 am, & till 7 am, then cleared off, but chiefly close, and cloudy. Very cloudy evening, rain at 8 & 9 pm, and a very close air all night. —	leaves all falling fast.	31 22
Th. 27.	-36	NE ₁ 52 SW ₁ 54 SW ₁ 56			Foggy & warm, with rain at times; wind veered at 11 am; close and gloomy afternoon, little rain in the evening. —	Δ 4 & Birds very tuneful.	76
F. 28.	-64	SE ₁ 50 SE ₂ 53 SE ₁ 59			Foggy & warm morning, became bright after 10 am, very warm & sunny day, but cooler breeze after 1 pm. — Fine night. —	Birds still singing.	
412.80		329.396		Mean Temp 51° 82. — Rain cal over 1.50			

72.55 Temperature above Average. —

October 1864.

Oct.	Baro. meter	Wind.	Thermom. 9 Highest am	Thermom. 8 pm	Weather &c.	notes	Rain 1.50
1 S. 29. 29.81		NE ₂ 47			Cloudy, dry breeze, fine morn'g. continued cloudy colder, and misting at times. Night fine, and less wind, but cloudy. —	ΔH 8	
		NE ₃	52				
	-91	NE ₂	53				
7 Su. 30. 30.07		NE ₁ 46			Cloudy till 2 pm, then very clear, & bright, but cold. Some scuds again in the evening, and quite clear by ab. 8 pm. —	New moon 3. 28 pm.	
		NE ₁	48				
	-15	NE ₁	48				
2 M. 31. -30		NE ₁ 41			Grey clouds & sun, fine & drying day, but bleak air, and arcs of white ribbed cloud ab. 10 set. —	very fine.	
	-35	E ₂	47				
		E ₁	50				
180.59		134/151		Mean Temp 3 days 47° 5. — Rain 1.50			

Barometer.
Highest on 3rd — 30.51
Lowest on 20th — 29.10
Range — 1.41
Mean of Month 29.98
Gale on 1 day, the 20th.

Thermometer.
Highest on the 19th — 64°
Lowest on 25th — 35° 5'
Range — 28° 5'
Mean daily range 10° 35'
Mean of Month 51° 46'

Prevailing winds East and N.E. — Fine days 26.

Depth of rain 1.50 — Inch, all fell after 21st except .04.

This was a notably dry month with us to the 21st.
Day, then stormy with rain about 5 days, afterwards
again fine to the end. Easterly winds prevailed be-
yond common, during most of the month, at times ra-
ther bleak, but it was more generally pleasant with
a medium warmth, and the month's mean temperature
was above Average, yet below that of some previous Octobers.

November 1864.

Nov.	Baro. meter	Wind.	Thermom. 8 Highest am	Thermom. 8 pm	Weather, &c.	notes	Rain
Tu. 1. 30.37		E ₁ 38			Grey clouds and Sun; but chiefly quite cloudy, and a drying air. Even very cloudy & rather more wind. —	very fine & cloudy.	
		E ₂	46				
	-32	E ₂	48				
W. 2. -25		E ₂ 41			Cloudy with sun at times; drying and cold breeze, but very fine; even chiefly clear till 7 afterwards over- cast, few drops — fine night. —	very fine & drying.	
	-29	E ₂	44				
		NE ₁	48				
Th. 3. -30		NE ₀ 35			Bright, calm, & pleasant day, very warm in the sun more clouds after 2 pm. Clear & frosty evening with a haze on the horizon. —	Exceedingly fine, and pleasant.	
		NE ₂	41				
	-42	NE ₀	52				
F. 4. -53		NE ₀ 35			Fog below, clear above, and became bright after 9 am; so continued all the day. Clear Even, and milder than last two. Cloudy night. —	very fine & cheering.	
		W ₂	36				
	-49	SW ₁	52				
		W ₁					
S. 5. -34		NW ₂ 38			Overcast, & light rain with fog, cleared off after 10 am; bright with flying clouds the rest of the day, and a squally sky at eve. —	Misting morning, finer day.	.01
		N ₃	43				
	-47	N ₃	51				
Su. 6. -61		NE ₂ 37			Clouds & sun, very fine, but a very bleak wind, and in the afternoon brisker breezes, but the evening calm, and frosty, & chiefly clear. —	moon 1 st 2 nd 11.53 pm. very fine & colder.	
		NE ₃	41				
	-73	NE ₀	47				
M. 7. -63		SE ₀ 37			Cloudy & calm morn'g afterwards bright with some light clouds, nearly calm, but rather cold. Evening hazy & rather foggy. —	very fine.	
		SE ₂	38				
	-58	SE ₁	46				
426.33		261/344		Mean Temp 43° 21. — Rain cald over 0.01			

605

Temperature slightly below Average for
the 1st week of November.

November 1864.

Nov.	Baro. meter	Wind.	Thermom. Lowest 8 Highest	Thermometer 8 pm.	Weather, &c.	notes.	Rain, 0.01
Tu. 8.	30.22	SW ₁ NW ₁ N ₂	32 40 47		Hazy after a frost early a.m., but after 11, it became bright, then foggy again from 1 p.m. Clear evening, & more wind some clouds during night.		
W. 9.	-23 -24 -28	NE ₁ NE ₁ E ₀	35 39 47		Clouds & sun, but chiefly quite cloudy, yet fine, except a light shower before sunrise. Calm & clearer from 4 p.m. all the evening.	♂♂♀	02
Th. 10.	-22 -14	NE ₀ NE ₂ NE ₂	27 29 45		Clear, and sharp frost, and the whole day very bright with a keen air, and more wind. Clear evening, frosty and again calm.	♂♂♀ very fine.	
F. 11.	-07 -04	NE ₀ E ₁ E ₀	24½ 27 43½		Very keen frost, & chiefly clear, very fine, bright, & cold day. The evening calm, clear, and sharp frost, after a very deep orange sunset.	very fine & frosty.	
S. 12.	29.96 -90	SW ₀ SW _½ SW ₁	31 31 44		Less frost, & hazy clouds, but fine, and very fine and chiefly bright all day, dappled sky and no wind. Hazy evening, and little more wind.		
Sa. 13.	-68 -19	SE ₂ SE ₃ SSE ₃	32 44 47		Cloudy with sun, and much milder, but more wind. Overcast and rainy afternoon and evening. Wind squally and mild air. Rain at times in the night.	Full moon 5.33 p.m.	32
M. 14.	28.98 28.96	SSW ₁ SW ₂ SW ₁	44 46 51		Rain at times till 8 a.m. afterwards fair & bright with flying clouds. Fine evening but stormy clouds at a distance. Clear night.	Barom. very low.	08 12
41871 2253243 Mean Temp 39° 28. Rain cal. up -0.55							

550. - About 3° below Average.

November 1864.

Nov.	Baro. meter	Wind.	Thermom. Lowest 8 Highest	Thermometer 8 pm.	Weather, &c.	notes.	Rain, 0.55
Tu. 15.	28.96 28.94	SE ₁ SSE ₁ SE ₁	33 33 50		Morn'g bright & frosty, and chiefly bright all day, with some low raggy clouds. - Fine evening, in part cloudy, & very little wind, yet a very low Barometer.	*V♀ Barometer remarkably low.	
W. 16.	29.31 -50	NW ₂ NW ₂ NW ₁	37 40 46		Very foggy, continued more or less so, with little sun at times. - Fine evening, but some clouds and fog at times.		39
Th. 17.	-62 -31	SE ₁ SE ₄ SSE ₅	38 42 47½		Hazy & cloudy with red East, squally after 11, wind gusty and rain at times; evening more wind & harder rain. - Night finer, blowing & mild.	Squally.	28
F. 18.	-23 -74	S ₅ SW ₆ WSW ₅	46 50 53		Blowing and warm, with very stormy clouds; very windy day throughout, but mild and sunny at times. Evening stormy. Clear night, & wind gone down.	very blowing all day.	
S. 19.	-96 -93	SE ₁ SE ₁ SE ₁	37 40 52		Clear, very fine & bright till after 2 p.m., then some low clouds but still fair and mild. Close and clouded evening, & night, but fine.	♂♀H	
Sa. 20.	-75 -78	SE ₂ SE ₂ SE ₁	42 43 48		Hazy, with clouds, & sun, but mostly cloudy more or less, & the evening the same, but fine, and but little wind. - Little rain after 8 p.m.		03
M. 21.	-92 -98	S ₁ S ₁ S ₂	41 45 52		Hazy with sun, and very little wind, mild and pleasant till 4 p.m., afterwards foggy, & more wind: fog gone off at 6 p.m. - Rainy at 8 & 9 p.m.	moon last Dr. 7.17 a.m. ♂4♀	17
41393 2743485 Mean Temp 44° 46. Rain cal. over 1.03							

622.5 - Temperature 2½° above Average.

November 1864.

Nov.	Baro- meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest 8 pm	Weather, &c.	notes.	Rain.
Tu. 22.	29.76 -60	S ₁ SW ₂ SW ₂ 4 5.	44 49 52		Close, & very mild, some sun, and yet rain at times. more wind after 6 pm, & rain after 7, but finer during the night. —	47	1.03 07 05
W. 23.	-78 -76	SW ₂ S ₂ S ₂	35 39 46		Clear, but soon hazy, and some clouds, with sun, & few rain-drops at intervals. Showery evenings distant thunder & lightning.	41	15
Th. 24.	-12 -33	NE ₄ E ₄ WSW ₆ SW ₃	37 43 43		Violent gusts with hard rain and sleet early AM. from NE; finer from S till 10, then a gale WSW, and very dark and rain at times but less wind. Fine night. —	38	80 12
F. 25.	-51 -14	SW ₀ S ₂ S ₅ 6.	31 31 42		Frost & some fog, but clear above, & no wind. very bright from 9 am, till 1 pm, then a blue haze. —	38	15
S. 26.	28.96 29.21	SW ₄ SW ₃ SW ₃	35 36 44		Fog & some wet in the past night, chiefly bright all the forenoon; storms at a distance in the N, and little sleet here at 3 pm. rain at 8 pm. —	39	08
Su. 27.	-63 -98	W ₂ W ₂ SW ₂	37 38 45		Clear, very bright till after 3 pm, then streaks of cirro-stratus rose from SW. Evening overcast, and closer air. — Mild & damp night.	40	
Mo. 28.	-85 -79	S ₄ S ₄ S ₅	40 50 53		Cloudy, & very mild, but blowing & light rain at times. Finer from 3 to 5 pm. Blowing evening, finer night.	48	05
41 3 42		259 326		Mean Temp 41° 78. — } Rain & up 2.50			
		585		Temperature about the mean.			

November 1864.

Nov.	Baro- meter	Wind.	Thermom. Lowest 8 am	Thermom. Highest 8 pm	Weather, &c.	notes.	Rain.
Tu. 29.	30.33 -45	W ₁ W ₁ SW ₁	35 35 45		Clear, bright morning and chiefly sun all day, but more hazy & red at sunset. Fine evening clear & little wind. —	36	new moon 7.17 morn.
W. 30.	-32 -14	S ₄ S ₅ S ₆	34 42 46		Very red streaked East & squally wind, blowing day, and cloudy, and very stormy at Eve, more wind and hard rain. —	45	604 very wet night. 30
12 1 24		69 91		Mean Temp 2 Days 40°) Rain - 2.80			

Barometer
Highest on 6th — 30.73!
Lowest on 15th — 28.94!
Range — 1.79
Mean of Month 29.88
Gales on 4 Days. —

Thermometer
Highest on 18th & 28th — 53°
Lowest on 11th — 24.5
Range — 28.5
Mean daily range 11.5
Mean of Month 42° 04
Just the usual Mean Temperature for November. —

Prevailing winds SE, S, and SW. — Fine days 19.
Depth of rain 2.80 — Inches. —

This was a seasonable month, and yielded a needful supply of rain, in the latter part of it. The notable oscillations of the Barometer during the time, were highly interesting, the extremes for the year up to this period having occurred between the 6th and 15th days! The month on the whole was not very unhealthy, but the trees being early divested of leaf — made it a wintry scene. —

December 1864.

Dec.	Baro. meter	Wind.	Thermometer Lowest 8 am	Thermometer Highest 8 pm	Weather, &c.	Notes.	Rain.
Th. 1.	30.17	SW ₁	33		Bright morning, and most- ly bright all day, but a blue haze after 2pm; Clear and frosty Evening and night.	8 0 8 8 4 8	
	-25	SW ₁	34	46		37	
F. 2.	-43	SE ₀	30		Clear, smart frost, and continued bright all the day, and nearly calm, but a keen air. Damp Even- ing but clear upward & frosty.		
	-45	SE ₁	30	43		34	
		SE ₀					
S. 3.	-43	S ₃	33		Cloudy & milder, more wind, & little rain early, cloudy all day more or less.		03
	-38	S ₃		44	Evening dark, overcast, & mild, but rain at 9.	46	06
		S ₄		48			
Su. 4.	-38	S ₂	43		Close & cloudy, nearly the same all day, but fair, and mild, and the Even- ing similar. Fine night, and less wind.	46	
	-31	S ₃		45			
		S ₂		47			
M. 5.	-21	S ₂	43		Fine and mild, and bright all day, with few light clouds, and fresh breeze. The Even- ing also bright, with a drying wind, yet not cold.	* 1/2 8 8 1/2 8	
	-11	S ₂		47		42	
		S ₂		51			
Tu. 6.	-07	SW ₁	40		Red morn- g, very mild and hazy forenoon, pleasant, gentle air, little gleam of sun. Afternoon bright & calm. Thick fog in the Evening.	moon 1st Dr 7.34 am	
	-12	SW ₁		47		39	
		SW ₀		49			
W. 7.	-06	S ₂	38		Fog and rain in the morn- g, finer after 9, with clouds, and some sun. Lowering Evening, some rain, but finer in the night.		04
	29.96	S ₃		46		45	03
		S ₄		47			
	42.333		260	331	Mean Temp 42° 21.	Rain cal up.	16
			591		Rather above Average.		

December 1864.

Dec.	Baro. meter	Wind.	Thermometer Lowest 8 am	Thermometer Highest 8 pm	Weather, &c.	Notes.	Rain.
Th. 8.	29.79	SE ₄	42		Red East, hazy & lower- ing. Squally day, dark & little rain at times. Evening clearer, fine, serene and nearly calm.	Squally & wet.	05
	-82	SE ₄		44			
		SW ₁		46			
F. 9.	-85	W _{1/2}	35		Clear till 7, then foggy, very thick fog most of the day, but the sun shining through it. Even- ing clearer.	Foggy & frosty.	
	-95	SW ₁		38	fog gone, then cloudy.	34	
		SW _{1/2}		42			
S. 10.	30.00	SE ₂	34		Chiefly bright, with drying breeze, and some grey clouds, Evening clear upward, but some fog below, and quite calm. Fine night.		
	29.98	SE ₂		42		36	
		SE ₀		46			
Su. 11.	-92	SE ₁	35		Fog more or less, clearer after 9, bright from 10 till 1pm, then cloudy & little fog till near 5, but a clear moon- light Evening.		
	-78	SE ₂		40		42	
		SE ₃		47			
M. 12.	-72	SE ₃	42		Red clouds, but bright morn- g, so continued till near 1pm, afterwards cloudy & more wind. Blowing Evening & rain at times.	☐ 1/2 8 Δ 1/2 8	04
	-71	SE ₄		43		45	
		SE ₅		48			
Tu. 13.	-70	SE ₂	36		Cloudy, dark, & foggy, with rain at times; wind more to Eastward after 4pm, but cloudy & mild, as before. Finer night, & less wind.	Full moon 7.12 am.	11
	-75	SE ₂		42		43	
		E ₂		46			
W. 14.	-80	E ₁	37		Cloudy, dark, and thick, so continued all day, and colder breeze after 12. cloudy cold & blowing night but fine.		
	-95	E ₂		41		36	
		E ₃		41			
	41.772		261	317	Mean Temp 41° 28.	Rain cal over	0.36
			578		Still above Average.		

December 1864.

Decr.	Baro. meter	Wind.	Thermomr.		Weather, &c.	Thermomr.		notes.	Rain 0.36.
			Lowest. am	8 Highest.		8pm.			
Th. 15.	29.92 -84	NE ⁴ NE ³ NE ³	33 33 35		Cloudy, and cold drying wind, dark, but fine, & roads quickly dry & clean. Evening like the day, and also the night.			Cold and blowing.	
F. 16.	-89 30.02	NE ⁴ NE ³ NE ²	30 31 32		Cloudy, with very little Sun, and a freezing air all day, blowing and very drying day. Less wind, in the Evening, but some hail & sleet.			Freezing all day. Snow in the night.	
S. 17.	29.92 -95	NE ² NE ² NE ⁰	22½ 24 28		Much snow early AM, and sharp frost. Snow at times in the day. Calm & severe. Even, partially clear, but showers of snow.			Δ♂♀ Snow 2 inches in depth.	
Su. 18.	-97 -94	E ¹ SE ² SE ¹	17 26 36		Very severe, early AM, but less so after 6 am, cloudy & thaw, with some rain during the day. Even, finer, and in part clear.			Snow melting fast all the PM	73
M. 19.	30.00 -04	S ¹ SE ¹ SE ²	32 34 39		Hazy, with grey clouds and sun at times; very red, and hazy at sunset. Westward, overcast evening, milder, & wind rising.			☉☉☉ *☉☉ change	
Tu. 20.	29.97 -99	SE ⁴ SE ² SE ¹	35 41 43		Overcast, light rain at times, with a dark foggy state of air. Finer in the afternoon and evening, and less wind. Foggy night.			raining.	72
W. 21.	30.08 29.97	SW ¹ W ² NW ²	39 40 40		Dark and foggy, with rain at times, all the forenoon, fine & clearer afternoon, but again fog and rain after 5 pm. Night finer.			moon last 2 or 5.3 am.	74
41.9.50			2085	253	Mean Temp 32°.96. -) Rain cov. up 0.75				

4615 - six below average.

December. 1864.

Decr	Baro meters	Wind.	Thermometer 8 am	Thermometer 8pm	Weather, &c.	notes.	Rain 0.75
Th. 22.	30.23 -34	NE 4.32 NE 4 NE 5.	33 33		Cloudy, blowing & very cold; freezing air, and drying, and a few flakes of snow at intervals. Blowing night and freezing as before.	Freezing air..	
F. 23.	-52 -57	E 4. 29 E 4. E 4.	30 33		Cloudy, and freezing wind, all the day alike: and the Evening the same. Rather cleared & wind less during the night.	Freezing & very cold.	
S. 24.	-64 -60	E 3. 27 E 2. E 2.	30 32		Cloudy & hard frost all the day, but less wind than previous days. Fine evening & night, but cloudy and less frost.	Hard frost all day.	
Sa. 25.	-54 -49	NE 1. 30 NE 0. NE 0.	33 35		Cloudy, little frost, calm all day, quite clouded, and the frost relaxed. - Evening and night the same as the Day.	Fine and calm, but cold, yet less frost.	
M. 26.	-41 -38	NE 0. 32 NE 1. NE 1.	32 35		Calm, cloudy, and a few flakes of snow at times; nearly the same all day, and the Evening and night also.	* 49	
Tu. 27.	-35 -34	NW 1. 29 NW 1. W 1.	30 34		Cloudy and cold but very little wind, dark and snowy looking sky. - Very cloudy night, and little fog. Some frost during night.		
W. 28.	-34 -38	W 1. 29 W 1. W 2.	30 41		Clear, & frost, bright till 1pm, afterwards cloudy, & milder. More or less cloudy all the Evening, and little rain or misting fog.	new moon 9. 21 pm.	
42607		208243		Mean Temp 32° 21. -) Rain cald overs 0.75			

451 - Lic below Average.

December 1864.

Dec.	Barometer	Wind.	Thermometer		Weather, &c.	Notes.	Rain, &c.
			Lowest	Highest			
Th. 29.	30.42	W ₁ .	37		Close, mild, and foggy, but less fog in the day, little more wind, continued cloudy, and mild, and wind rising all the evening.	gloomy & mild.	
		WSW ₂ .	41				
		SW ₂ .		43½			
	-40	3.					
F. 30.	-14	SW ₂ .	38		Cloudy and gloomy, but fine, and a fresh breeze, nearly alike all day. -	very dark air, but fair.	
		SW ₂ .	39		Colder Evening, but very thick as before.		
	29.99	SW ₁ .	41				
S. 31.	-96	NW ₁ .	29		Showers of sleet & snow early a.m.; little frost, and sun at times, chiefly hazy in the afternoon, and evening.	Little snow & sleet.	
		N ₁ .	30				
	-96	N ₂ .		40			
18087			104	1245	Mean of 3 days 38° 08. -	Rain - 0.75	

Barometer.
 Highest on the 24th - 30.64.
 Lowest on — 13th - 29.70.
 Range ——— 0.94
 Mean of Month — 30.12
 Gales on 2 days.

Thermometer.
 Highest on the 5th — 51°
 Lowest on the 18th — 17°
 Range ——— 34°
 Mean daily range — 7° 32.
 Mean of Month — 36° 93.
 About 2° below Average.

Prevailing winds S.E., and N.E.; Snow days 22, and depth of rain .75 of an Inch.

Notes on December 1864.

This was an unsettled month, with many changes, but not much downfall; and the temperature very seasonable. Sickness prevailed partially, but to no considerable extent. — Some severe Rheumatic affections prevalent, and Scarlatina among the young were the most noticeable in the rural districts. — The short daily range of Thermometer during this December was very remarkable, and the high state of Barometer — although much shipwreck occurred on our coasts up to the 23rd day. — The 17th and 18th brought much snow and sharp frost, but it quickly gave place to milder weather, and the rivulets remained low — from the long drought of the previous portion of the year. — Easterly winds predominated, and appeared to upset all the rainy currents as soon as these drew on. It proved a fine Christmas, dry and favourable to out-door pursuits, and but gentle frosts at the close of the Year. On the whole a good, medium winter month, yet with frequent dark skies, and sudden changes. —

Summary —

Summary notes on the Year 1864.

The main characteristic was its dryness almost throughout, March, June, September, and November were the only months of any considerable rain, and even to the end of the year, all pools and rivulets remained very low, beyond any instance for many years past. — The high state of Barometer in January, April, and August was notable. In March it was low, and at times in November, yet in the same month, for a short period, it attained the highest for this entire year, hence the great oscillations in November proved another remarkable feature of 1864. The year ended with a very fine, pleasant, and clear Christmas, and another year of productivity, similar to the previous date expired with but gentle traits of winter. —

General Results for 1864.

1864.	Winds.								Gales	Fine Days	Rain	Mean Bar.	Mean Temp.	Mean daily range	Therm.	
	E	W	N	S	NE	SE	NW	SW							Min	Max
Jan.	3	5	0	4	4	8½	2	4½	4	24	76	30.23	35.20	9.90	14°	54°
Feb.	1½	1	2	3	9	1	8½	3	2	14	1.04	29.97	35.44	10.10	18°	54½°
Mar.	3	4	2	0	9	5	1	7	4	20	2.62	29.78	40.87	14.17	24°	57°
Apr.	6	4	1½	2	4	6	3½	3	1	27	6.1	30.18	48.43	19.00	31°	72°
May.	2	4½	4	2	5	7½	5	1	1	23	2.35	30.12	53.85	17.22	34°	80°
June.	2	7½	0	4	0	5	1½	10	0	20	2.49	29.87	59.10	16.30	38½°	77½°
July.	3	6	0	0	4	4	5	9	0	29	87	30.14	62.11	17.64	46°	81°
Aug.	2	6	1	2	5	5	6	4	0	24	1.66	30.20	60.23	18.30	39°	86°
Sep.	1	8	1	3	0	4	2	11	2	19	2.36	30.05	58.50	13.80	41°	74°
- Oct.	8	0	0	1	7	4	5	6	1	26	1.50	29.98	51.46	10.35	35½°	64°
- Nov.	3	3	1	5	4½	6	2	5½	4	19	2.80	29.88	42.04	11.50	24½°	53°
- Dec.	3	2	1	4	6	9	1	5	2	22	75	30.12	36.93	7.32	17°	51°
1864	37½	51	13½	30	57½	65	42½	69	21	267	19.81	30.04	48.68	13.80	14°	86°

Highest Barometer on Nov 6th, when it stood 30.73.
but on January 3rd it was nearly the same, viz - 30.72.
The Lowest state was on Nov 15th when it was 28.94,
so that the extremes of the year were both in November.
The coldest day was January 7th Thermom 14°,
and the hottest the 5th of August, Thermom 86°.

Final remarks on the
year of our Lord 1864.

This was in most respects a very similar Year
to the one preceding, fine and productive, a year
of special Mercies and blessings, although so dry.
And we have again a strong invocation to a
National outpouring of Gratitude and praise!

Orlando Whistlercraft

Decr 31st
1864.

