

*Meteorological
Journal,*
1862.

THW
09



— *Meteorological* —
— *Journal,* —
— 1862. —
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January 1862.

Days.	Baro- meter	Wind.	Thermometer			Weather, &c.	Thermom. 8 pm.	notes	Rain.	in.
			8 am		Highest					
W. 1.	30.44	W ₂ .	30			Gentle frost, but soon became dark, and foggy very raw & cold air. The Evening milder, and cloudy, but much less fog than before. —	37	□ 48 dark & foggy.		
	—50	W ₂ .		32						
		W ₂ .			37					
Th. 2.	—50	NW ₁ .	31			Little frost, fog at times, and very low clouds, with some sun. The Evening and night very cloudy, and milder. —	37	Foggy.		
	—45	NW ₁ .		32						
		NW ₁ .			39					
F. 3.	—20	W ₂ .	34			Fog, misting, dark, and damp, continued so all day more or less, and a little rain at 2 pm. — Evening fair & clearer. —	36	Damp & foggy		03
	29.98	WSW ₂ .		37						
		W ₂ .			40					
		W ₂ .								
S. 4.	—87	NW ₄ .	34			Stormy air, little wet early, but a fine day, cloudy with sun, and brisk drying wind. — Evening clearer, & very fine. —	36	very drying breeze.		02
	—90	NW ₄ .		37						
		NW ₂ .			39					
Sa. 5.	—78	NW ₃ .	33			Cloudy with sun, and a brisk drying wind. — but rather stormy inclined, & little flying rain at intervals. — Evening squally. —	35	rather squally.		03
	—96	NW ₃ .		38						
		NW ₃ .			42					
M. 6.	30.07	NW ₃ .	32			Freezing breeze, clouds and sun, fine day, but a keen air, yet mostly bright. Red sun-set, and more clouded. —	33			
	—79	NW ₂ .		34						
		NW ₂ .			38					
Tu. 7.	—75	SW ₂ .	30			Cloudy, little frost, continued cloudy chief of the day, but some sun about 2 pm. — Evening foggy, but moon seen. —	39	moon 1 st 2 nd 10.47 pm.		
	—72	SW ₁ .		34						
		SW ₁ .			41					
42.211			224	276		Mean Temp 35°.71.) Rain — 0.08				
			500							

January 1862.

Jan.	Baro. meter	Wind.	Thermometer			Weather, &c.	Thermom. 8pm.	notes	Rain 0'08
			lowest	8 a.m.	highest				
W. 8.	29.80	S ₄ SW ₂ SW ₃	37		43	Mild, blowing, and rainy morning, finer after 9 am, clear after 1 pm, sun at times, & very mild. — Clear moonlight Evening. —	39		20
Th. 9.	-89	S ₃ SW ₃ SW ₄	36		45	Hard rain at times from 6 am, till near noon, very lowering & mild, and again rainy at intervals. Very warm evening, & blowing night. —	52½	very mild	35
F. 10.	-72	SW ₄ W ₄ W ₁	47		49	Cloudy but soon bright, & blowing day, but mild, and very bright. The Evening cloudy, and much less wind. —	47		
S. 11.	-60	S ₅ SW ₅ SW ₇	43		51	Overcast, blowing & mild. followed by storms of rain, & heavy gusts of wind. Hard gales all the evening, gradually abating during night. —	45		24
Su. 12.	-80	SW ₂ SW ₁ SE ₁	36		39	Bright with gentle wind, and not so mild, as previous days. More hazy & cloudy after 3 pm. Light rain at times in the evening. —	43	Δ 2½	07
M. 13.	-82	SE ₁ SE ₁ SE ₂	42		44	Very foggy, and the same more or less all day, nearly calm, & very damp. Some rain at times in the Evening. —	42	Δ 0½	04
Tu. 14.	-70	SE ₁ E ₁ NE ₁	34		39	Showery, dripping morning, but became fine after 8. Stormy looking clouds, but some sun; fine Evening, & low clouds, with moon between. —	40		07
416.41			27.5	34.2	5	Mean Temp 44° 1. =) Rain cald up 1'10			

617.5

January 1862.

Jan.	Baro. meter	Wind.	Thermometer			Weather, &c.	Thermom. 8pm.	notes	Rain 1'10
			lowest	8 a.m.	highest				
W. 15.	30.04	N ₂ NE ₂ NE ₁	32½		34	Cloudy with sun at times very keen air, but fine. The Evening nearly as the day, but less wind. —	32	Δ 4½	
Th. 16.	-20	NE ₁ ESE ₂ ESE ₁	28		30	Frost & red mottled sky in the morn'g, bright and fine day, & very cold wind. Clear moon-light Even'g & hard frost. —	28½	Full moon 1.55 am.	
F. 17.	-77	SE ₃ SE ₃ SE ₂	26½		28	Hard frost, & sharp wind all day, but bright with grey clouds; continued frost in the Evening, and more severe, but less wind. —	26½	Δ 04 very cold wind.	
S. 18.	-21	SE ₁ SE ₂ SE ₁	23		24	Sharper frost, chiefly bright, with light lofty clouds, which became very red, with the setting sun. — Clear & sharp Even'g. —	25	Sharper frost.	
Su. 19.	-04	SE ₂ SE ₂ SE ₂	23		29	Cloudy since midnight continued so all day, and hard frost, the evening the same, but less frost in the night, & cloudy. —	27	very cold, roads dusty.	
M. 20.	29.84	E ₁ E ₂ E ₃	27		30	Cloudy, & dark, with less frost, but still very keen, more wind in the Even'g, and very cloudy. The same all night. —	29		
Tu. 21.	-65	E ₃ E ₃ N ₁	27½		29	Very cloudy, with sharp wind, and continued frost, but less in the Evening. — Very dark, and thick sky. —	30		
420.23			18.75	22.2	7	Mean Temp 29° 60. =) Rain cald up 1'10			

414.5

January 1862.

Jan.	Baro. meter	Wind.	Thermom. 8 am.	Thermom. 8 pm.	notes.	Rain 1/10
W. 22.	29.58	SSE ₄ S ₃ SE ₂	29 39 44		cloudy, blowing and lit- tle rain, in the morn'g, bright afternoon, and the Evening the same, with a little frost in the night.	Change rain. 37 05
Th. 23.	-82	NW ₁ SW ₁ S ₄ S ₄	32 32 42		white frost, & bright mor- ning, but a cloudy, damp, and blowing afternoon, & stormy evening, with rain at times hard.	moon last 2 nd 6.37 am. 37 22
F. 24.	-56	S ₅ SW ₅ SW ₄ S ₅	37 45 51		Mild, and squalls of wind, cleared off to a bright & pleasant day, with flying clouds, and a blowing Even'g, & night.	Δ H ♀ * ♂ ♀ □ H ♀ 43
S. 25.	-74	S ₁ SW ₂ NW ₁	40 44 45		Very mild, and close morn'g, rain from 9 till 1, then colder & rather clear- er, but soon overcast, and again raining at times, but a fine evening.	♂ H ♂ 39 20
Su. 26.	30.30	NW ₁ SW ₂ SW ₁	30 31 43		Clear & white frost, very bright all day, gentle wind, and some distant hazy clouds about horizon. Clear & frosty Even'g.	□ ♂ ♀ 33
Mo. 27.	-35	S ₂ S ₄ SE ₂	32 36 43		Hazy, very red morn'g, became bright, and milder, but hazy, & more windy. mottled clouds & less haze, pm. - Even'g cloudy & thick.	Scorite & snowdrops in flower for some days. 36
Tu. 28.	29.97	SSE ₄ SSW ₃ S ₂	34 36 44		Cloudy, hazy, & blowing, with some rain at times, but finer & clearer after 3 pm. squally & wet again in the evening.	39 08 11
41 8.67		23 43 125		Mean Temp 39° 03. - Rain cal. up. 1.76		
		546.5				

January 1862.

Jan.	Baro. meter	Wind.	Thermom. 8 am.	Thermom. 8 pm.	notes.	Rain 1/10
W. 29.	29.90	SW ₃ SW ₄ SW ₄	39 44 52		Lowering and mild, with rain at times; after 1 pm clearer, but more wind Even'g close, squally, & some rain.	very mild and squally. 49 05 08
Th. 30.	-70	SW ₅ W ₂ SW ₂	46 49 51		Hard rain from 2 to 3 am. the day hazy, with ribbed clouds from W, but mild. Rainy again at 5 & 6 pm, mild & blowing night.	new moon 2.49 am. 47 34 05
F. 31.	-71	SW ₆ SW ₄ SW ₅	43 50 55		Mild & blowing with some rain early, very mild day, thick & hazy, but finer. very warm and windy all the night.	very mild & blowing. 52 04
178.66		128.158		Mean Temp 3 days 47° 66. Total rain 2.32		

Barometer.

Thermometer.

Highest on 1st & 2nd 30.50

Lowest on 11th 29.31

Range 1.19

Mean of month 29.93.

Gales on 3 days.

Highest on 31st 55°

Lowest on 18th & 19th 23°

Range 32°

Mean daily range 8° 50

Mean of month 38° 13

Prevailing winds SW, and SE, Fine days 16, and the
depth of rain 2.32 inches.

This was a fine month for the season, and rather mild,
being 3° above the average temperature. No snow in these
parts, but much in Scotland about the 19th day. -
Much sickness in some parts of the Kingdom, but not
so much as last year at the corresponding period.

February 1862.

Feb?	Baro meter	Wind.	Thermom ^r 8 am	Thermom ^r 8 pm	notes.	Rain.
S. 1.	29.84 30.01	SW ₆ WSW ₄ WSW ₂	50 52 55		Very warm & blowing, little rain early, fine till noon, then again wet at times. Evening finer, and less wind, very close night. 52	Δ O H 11
Su. 2.	-19 -20	SW ₂ SW ₂ SW ₃	45 47 52		Hazy, but fine, with grey clouds, & very little sun, brisk wind at times; fine & warm evening and night, partly cloudy. 49	very mild.
M. 3.	-20 -25	SW ₂ SW ₁ SW ₁	46 50 55		Very mild, and bright with grey clouds, and fresh breeze; more clouded after 12, but still very mild. & a very red sunset. - 49	birds sing; and very warm air.
Tu. 4.	-24 -23	SW ₄ SW ₃ SW ₂	45 49 54		Storm of rain 6 & 7 am, afterwards fine, but very cloudy, & mild, with brisk wind, again showery after 5 pm. Blowing night. 47	Stormy & mild. 10
W. 5.	-09 -11	SW ₅ SW ₅ SW ₂	47 49 55		Very blowing & mild, all the morning, and the same all day, with sun at times; less wind in the evening. - Fine night. 47	very mild.
Th. 6.	-02 -15	W ₃ N ₁ NE ₂	43 45 46		Cloudy, with some sun, colder & wind veering to Northward by 11 am, clearer after 3 pm, & all the Evening. - Much colder. - 38	MOON 1 st 2 nd 8. 11 pm.
F. 7.	-23 -37	E ₃ E ₄ E ₁	30 30 36		Keen wind, & frost, bright and parching, with light clouds flying. - Cloudy at 5 & 6 pm, & little snow, at times during evening. 32	□ H δ Snow at Eve.
42213			306	353	Mean Temp 47° 07. Rain cal up 36	
			659			

February 1862.

Feb?	Baro meter	Wind.	Thermom ^r 8 am	Thermom ^r 8 pm	notes.	Rain.
S. 8.	30.61 -69	NE ₁ NE ₁ NE ₁	22 25 31		Severe frost, little snow, but became bright, with light clouds, & sharp air all day, and severe evening. Less so in the night. 26	Severe frost. 0.36
Su. 9.	-59 -66	NW ₂ N ₂ NE ₂ NE ₂	26 28 39		Hard frost, little snow, but chiefly fine, with clouds & sun, thawing in the day, but cold wind. - Cloudy Even ^g . & no frost. 33	
M. 10.	-57 -48	N ₁ NW ₁ NW ₂	32 33 41		Cloudy, but soon clear, & from 10 am. a very bright day, but a keen air. Clear & calm Evening, and white frost. - 32	
Tu. 11.	-32 -25	W ₂ W ₁ W ₁	28 31 44		Cloudy with frost, became milder, low clouds, & few rain drops - pm, but mostly fine, & sun at times. Night foggy. - 39	
W. 12.	-12 -12	W ₁ NW ₂ N ₃ NE ₂	38 40 45		Fog & little misting at 9 am, soon fair, and clearer, with some sun. Stormy looking clouds at Even ^g , & little sleet. - 39	02
Th. 13.	-19 -20	NW ₁ NW ₁ N ₀	34 36 42		Cloudy, afterwards very foggy, but again clearer, grey clouds, & cold air, Calm Evening, and much clearer. - 37	□ 4 δ □ H δ
F. 14.	-18 -23	NW ₁ NE ₁ NE ₁	34 36 42		Very foggy from 5 am, till after 10, then cloudy, little sun, and keen air. Fine Even ^g , lighter clouds, very little wind. - 37	Full moon 5. 6 pm.
42521			2145	284	Mean Temp 35° 60. Rain cal over 38	
			498.5			

February 1862.

Feb.	Baro. meter	Wind	Thermom. 8 am	Thermom. 8 pm	notes	Rain.
S. 15.	30.26	NE ₁ NE ₁ NE ₁	35 38 42		Rain at 6 & 7 am, then fair, with low clouds, & sun. Afternoon more clouded. Evening clearer & little frosty. — 36	0.38
Su. 16.	-17 -01	NE ₁ SE ₃ SE ₃	33 35 39½		Foggy morning, cloudy all day, cold, & more wind, but veering SE, after 10 am. — Cloudy Evening, and night, but fine. — 35	
M. 17.	29.72 -55	SE ₂ SE ₃ SE ₀	34 38 44		Cloudy, followed by rain from 8 am, which con- tinued most of the day. Very foggy after 4 pm but fine, & wind gone. 44	41
Tu. 18.	-50 -56	SE ₃ SE ₄ S ₃	40 43 5½		Fog till after 8 am, then clearer, more wind, and sun at times; very mild afternoon, and Evening Close & cloudy night. 47	March Cro- cus in full flower.
W. 19.	-76 -71	S ₂ SSE ₄ S ₅ S ₅	42 44 55		Red mornng, very mild, fine & warm till 2 pm afterwards cloudy, and windy, with some rain at times all the Evenng. 49	very mild 75
Th. 20.	-66 -93	S ₃ S ₃ S ₂	44 46 58		Very mild, with electric clouds, & sun, warm and pleasant all the mid-day. Evenng chiefly clear, and a warm breeze. — 49	very warm and birds sing much.
F. 21.	30.12 29.97 41.87	S ₁ SE ₃ SE ₂ S ₅	38 42 53½		Very thick fog till 10, afterwards very bright, and pleasant, with a drying breeze. Evenng chiefly clear & breezy. — 46	moon. last Dr 2. 17 pm. windy night.
Mean Temp 43°.53. Rain cal up 1.00						
			2663435	609.5		

February 1862.

Feb.	Baro. meter	Wind	Thermom. 8 am	Thermom. 8 pm	notes	Rain
S. 22.	29.86 30.05	SE ₄ SE ₄ SE ₁	42 45 53½		Red & hazy mornng, mild & blowing, became very bright, and parching. Evening cloudy, and very little wind. Close night. 49	any fine & drying
Su. 23.	-24 -33	SE ₁ SE ₂ SE ₂	45 47 52		Close & cloudy more or less, but very fine, mild and pleasant all day, but foggy Evening, and colder during night. 46	7 pm.
M. 24.	-31 -22	NE ₃ E ₅ E ₆	35 36 41		Cloudy and rough wind much colder, but fine, and the evening also very blowing, & dark. but a fine night. — 38	much colder.
Tu. 25.	-26 -36	E ₄ E ₅ ENE _{5.8}	37 39 41		Cloudy, cold, and blow- ing all day, but fine & parching, with gleams of sun. — Blowing all the Evenng & night. — 35	
W. 26.	-45 -48	NE ₄ NE ₄ NE ₄	33 35 35		Very keen blowing wind & cloudy, the whole day alike, and the Evening colder & threatening to snow, but still fine. 32	piercing wind. very much colder.
Th. 27.	-38 -30	NE ₃ NE ₄ NE ₆	3½ 32 35		Cloudy & cold wind, lit- tle gleams of sun, and very fine. More wind in the Evenng, and blow- ing all night. — 32	freezing wind.
F. 28.	-22 -73 42.359	NE ₄ ENE ₃ NE ₄	3½ 32 39		Cloudy, & freezing wind as before; some sun, & little milder from 10 to 12 noon, cloudy Evenng little misting. — 38	* ♂ ♀ new moon 4:49 pm.
Mean Temp 39°.39. Rain — 1.00						
			2552965	551.5		

Results for February 1862.

Barometer.	Thermometer.
Highest on the 8 th - 30.69	Highest on 20 th - 58°
Lowest on 18 th - 29.50	Lowest on 8 th - 22
Range - 1.19	Range - 36
Mean of Month - 30.16	Mean daily range - 8.41
	Mean of month - 41° 39.
Gales on 5 days. -	

Prevailing winds N.E. S.E. & S.W. - Fine days - 21. -
Depth of rain just one Inch!

This was on the whole, a fine, and mild month, with but little frost or downfall, but the last few days were cold, introducing the usual Easterly gales of Spring upon our shores. - Considerable progress was visible during the month in vegetation, and the gardens became decked with full-bloomed snowdrops, Aconites, Anemones, primroses, violets, and even a few of the Dianthus - or "Sweet William", as it is commonly termed. Buds expanded, and birds sang much, and the roads and fields became dry, but a further addition took place to cheer us in the third week, for the blue violets became richly contrasted by the bright yellow cups of the March Crocus! Hence it was thus far, a very early season, but much sickness prevailed, many cases of Cynanche Maligna, and various Typhoid type of fever, with several deaths therefrom. -

March 1862.

March.	Baro- meter.	Wind.	Thermometer Lowest 8 am Highest	Weather, &c.	Thermom 8 pm.	Notes.	Rain.
S. 1.	30.15 -07	NE ₂ NE ₃ E ₂	35 37 43 1/2	Very bleak wind, with sun, & loose cumuli, but very fine. Cloudy Evening, less wind, clearer night & little frost.	37	♂ ♀ ♀	
Su. 2.	29.76 -52	NW ₁ NW ₁ NW ₁	32 34 37	Cloudy, and very cold, but much less wind. The Evening nearly the same as the Day, but Night clear & frost.	34	very cold.	
M. 3.	-32 -41	SW ₁ W ₂ NW ₂ W ₁	25 1/2 32 36	Sharp frost early, but became thick & gloomy, followed by sleet & snow at times, heavier after 3, but a clear & frosty evening.	27	☐ ○ H Sharp frost & snow.	⊙
Tu. 4.	-65 -20	W ₁ NE _{1/2} E _{1/2} SW ₁	24 28 41	Sharp frost early, but very fine and bright all day, nearly calm, & some rocky clouds. Frosty Evening, & night.	30	Sharp frost.	
W. 5.	30.02 29.75	SE ₂ SW ₅ SW ₆ S ₇	23 30 45	Sharp frost early, became windy & milder, but fair and bright, most of the day. - From 5 pm, hazy cloudy & heavy gale all the Eveng, Rain at 9 pm.	37	Sharp frost early a.m. Stormy night.	23
Th. 6.	-52 -65	SW ₁ SW ₃ 4. 5. SW ₄	34 50 58	Great change, mild, cloudy & gentle wind. - More wind in the day, but very mild, little sun, & much cloud. Close, cloudy, & misting Eveng, - Fine night.	51	sudden change to mildness.	01
F. 7.	-50 -61	SW ₄ SW ₄ W ₄	47 51 59	Mild & wind squally, flying clouds, & Sun; very warm afternoon, but galy. - Clear & blowing Evening.	51	very warm & windy.	
41 5.83			22053195 540	Mean Temp - 38° 57. Rain & over - 0.24			

March 1862.

March	Baro- meter	Wind.	Thermometer Low 8 am High	Thermom ^r 8 pm.	Notes.	Rain. 0.24
S. 8.	29.82 -65	S ₂ SE ₃ SE ₄	46 49 58		Hazy & very mild, became bright & warm all the middle of the day, but after 2 - more wind & grey clouds, Hazy Evens, & warm breeze. 51	moon 1 st Dr. 5.21 pm.
Su. 9.	-64 -68	S ₅ SSE ₆ S ₇ S ₇	44 48 54		Cloudy, little rain at times, more wind & hard rain at 1 pm, & continued very wet & blowing till 4 1/2 pm. Evens fine, but wind strong. 49	very blow- ing, and wet - pm. 27
M. 10.	-93 30.77	SSW ₁ SW ₂ W ₁ SW ₁	45 47 55		Cloudy, close, wind gone. - Clouds & sun, after 8, gentle breeze, & fair. More sun in the afternoon. Rocky clouds about sunset eastward. - 49	804 little wet, very early. 03
Tu. 11.	-05 29.87	SSE ₃ S ₅ S ₂	38 44 50		Overcast, & very wet morning from 6 to 8, then blowing cloudy, & damp air, dark afternoon, little less wind. Very rainy Evening. - 48	morn- very wet and Evens the same. 20 22
W. 12.	-78 -88	SW ₁ SW ₁ W ₁	45 48 56		Cloudy, close & some fog at 7 am: became clearer after 9, heavy clouds & sun, and close air. Showery at 2 & 3 pm. Clearer Evens. 50	close. Hawthorn leaf. 07
Th. 13.	30.02 -21	NE ₂ NE ₂ NE ₃	42 46 53		Foggy, & some rain 6 am, for a short time, afterwards fair, fog all the forenoon, but clearer afternoon. - Fog at Evens, colder wind. 43	804 03
F. 14.	-28 -29	NE ₂ NE ₂ NE ₂	39 43 45		Cloudy more or less the whole day, and cold breeze but fine. The Evening the same kind of weather. 40	dripping fog in the night. 03
419.27		29.9371		Mean Temp 47°. 857. Rain cov ^d up 1.06 670		

March 1862.

March	Baro- meter	Wind.	Thermom ^r Low 8 am High	Thermom ^r 8 pm.	Notes.	Rain. 1.06
S. 15.	30.28 -22	NE ₂ NE ₃ NE ₃	37 39 46		Cloudy more or less, but some sun in the middle of the day, and a cold breeze. Night at times foggy as previous. 39	
Su. 16.	-11 -05	NE ₃ ENE ₂ E ₂	39 41 45 1/2		Foggy and cloudy, cold and gloomy, very little gleam of sun about 3 pm. - Mild & less fog during night. - 41	Full moon 5.16 am.
M. 17.	29.90 -94	SE ₁ SSE ₃ SE ₁	40 46 49		Hard rain early A.M.: afterwards cloudy, but fair, and milder, with some sun. Evens lowering, and showery evening. - 43	29 06
Tu. 18.	-89 -84	S ₁ SW ₁ SW ₁	38 41 4 1/2		Cloudy, close, rain at times, very gloomy, and damp air, - very little gleam of sun. - Finer Evening, and night. - 43	Δ 1/2 δ 05
W. 19.	-75 -71	W ₁ N ₁ NE ₃	37 41 4 1/2		Hazy, but soon clearer, dark clouds & sun, became colder after 3 pm. more wind and veered about to NE. - 40	Storms of rain at 11 pm. 04
Th. 20.	-64 -50	NE ₃ NE ₆ NE ₆	37 39 41		Cloudy, and cold, with some rain, snow & hail at times, and strong gale in the afternoon, & evening and more rain, with sleet, most of the night. 35	very cold and stormy day and night. 27
F. 21.	-47 -72	NE ₃ NE ₄ N ₃	32 1/2 35 39		Overcast, rain & sleet all the morn ^s , and continued at times most of the day, but less so. and more fair from 3 pm. 35	Δ 2 1/2 δ very cold & wet, A.M. valleys flooded. 16 03
418.02		26.053155		Mean Temp 41°. 11. Car ^d over, 1.96 576		

March 1862.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain. 196
S. 22.	30.04	N ₂ NE ₁ E ₁ SE ₁	33 37 44		Cloudy with some sun, and very little wind, but a cold air, clearer evening and night, with some frost, and but little wind.	moon last 2 nd 9.49 pm.
Su. 23.	-06	SE ₄ SE ₄ SE ₄	31 37 50		Cloudy, snow at 7 & 8 a.m. afterwards dark and blue, turning, with rain at times more or less, mixed with snow. - Even, milder, and blowing with hard rain. -	very dark and wet warmest after 6 pm. 57
Mo. 24.	-64	SW ₂ SW ₁ SE ₂	47 49 60		Much warmer from last. Even but cloudy morn'g. fine and warm day, and bright in the afternoon, till 3 pm. then close & hazy, very electric. -	great change and very warm. 52
Tu. 25.	-62	S ₁ SE _{1/2} E ₁ NE ₁	45 50 61		Heavy showers 4 & 5 a.m. but very close day, some sun, and electric clouds, very warm, rain again from 3 1/2 pm, and most of the evening. - Fine in the night. -	Sultry day. Macock butterfly seen. 12
W. 26.	-68	SE ₁ Var. o. NE ₁ E ₂	41 50 61 1/2		Hazy, but chiefly bright till 2 pm, & very warm, close air, low clouds, & more wind after 2 pm, followed by rain at times. - Foggy night. -	very warm & close. 18
Th. 27.	-56	NE ₁ NE ₁ NE ₂	43 47 57		Fog very thick till after 9 a.m. then, bright at times, close air; again raining from noon and at times the rest of the day; dark, foggy & close. -	close & rainy pm. 15
F. 28.	-32	NE ₁ NW ₁ W ₂ NW ₁	44 47 51		Fog & rain early, continued foggy, more or less till 12, then cloudy but fine. the evening and night nearly the same. -	45
415.59		2843845		Mean Temp 47° 75. Rain ev. up 3.28		
		668.5.				

March 1862.

March	Baro. meter	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain. 3.28
S. 29.	29.33	NW ₂ NW ₂ NW ₁	41 44 47		Cloudy, more or less, with rather drying air, but cooler than of late; Evening calm, clouds lighter, and somewhat pleasant. -	
Su. 30.	-49	NE ₁ NE ₁ SE ₁ E ₂	41 44 50		Some fog early, the day chiefly fine, but cloudy, and very little wind. Little sun-gleam about 2 pm. - Cloudy night, little more wind. -	new moon 7.45 a.m.
Mo. 31.	-72	SE ₁ SW ₁ SW ₁	42 46 56		Cloudy, light rain at 6 & 7 a.m. afterwards foggy till 11, then a bright & warm afternoon till 3 1/2 pm, when clouds collected. Much Thunder in South.	Thunder 4 pm. 05
1773.5		124153		Mean 3 days 46° 16. Rain Total - 3.33		

Barometer -
Highest on 14th - 30.29.
Lowest on 28th - 29.30
range - 0.99
Mean of month 29.77.
Gales on 3 days. -

Thermometer -
Highest on 26th - 61° 5
Lowest on 5th a.m. 23°
Range - 38° 5
Mean Daily range - 11° 46.
Mean of Month - 44° 05

Prevailing winds NE, & SW. - Fine days 14;
Depth of rain - 3.33 Inches

This was on the whole a mild month, the former part chiefly fine, but the latter very gloomy and much fog, with frequent rain, and very close state of air. - Much Thunder on the 31st day, and very electric during the last week. - Vegetation early and grass unusually verdant, and much grown. Considerable sickness in some places, and some Typhoid cases of Fever prevailed. -

APRIL 1862.

April.	Baro. meter	Wind.	Thermom. Lowest 9 Highest	Thermom. 8pm	Notes	Rain.
Tu. 1.	29.97 -97	SW ₂ SW ₄ S ₃	43 51 55		Bright with light clouds, but soon hazy, with much cloud, wind squally & some rain after 1 pm, at times. Cloudy Evens, and warm breezes.	willow opens leaf. 03
W. 2.	-83 -77	S ₅ S ₅ S ₄	49 53 57		Warm & blowing, but very cloudy, and little rain at times, during the afternoon. Very close all the Evening and night.	05
Th. 3.	-70 -90	S ₁ W ₃ W ₁ S E ₁	50 55 60		Very close & cloudy, wind veered to W. at 10 am; a little misting at 11, then a bright and warm afternoon. Wind again to SE at eve.	* H ₂ O 8 H ₂ any Elec- tricity at 0 set. 02
F. 4.	30.10 -23	NW ₁ NW ₀ Var. o.	40 49 53		Bright with electric clouds, upward from NW, & scuds below from NW. continued cloudy but fair & pleasant. Very close & calm Evening.	wryneck peeping mushrooms found! 09
S. 5.	-20 -05	SW ₂ SW ₂ SW ₃	44 51 58		Electric clouds, blue fog below till 9 am, warm and sunny till after 12, then cloudy, and rain from 3 pm, warm blowing night.	8 4 8 sycamore leaf. 06
Su. 6.	-00 -12	SW ₄ W ₃ S ₁	49 54 57		Cloudy, little rain, & blustering wind. Fast rain all the forenoon, but finer. Afternoon, cloudy, & less wind. Close Evens.	grass very ver- dant, and growing fast. 07
M. 7.	-27 -32	NE ₃ NE ₃ NE ₂	43 46 47		Overcast & rainy morning, from 4 till 6. - then fine but very cloudy, & colder. Rain again at 4 pm, and at times in the Evening.	moon 1st 2r 0.12 pm. 21
420.43		318.387 70.5		Mean Temp 50° 45. Rain cal- up 48		

APRIL 1862.

April.	Baro. meter	Wind.	Thermom. Lowest 9 Highest	Thermom. 8pm	Notes	Rain.
Tu. 8.	30.38 -30	NE ₂ NE ₃ NE ₂	41 44 46		Cloudy, misting at times, & cold breeze, fine and a drier air after 11, but very cloudy and cold. - The night chiefly fine, but cloudy.	02
W. 9.	-20 -15	NE ₃ NE ₂ NE ₁	40 44 49		Heavy showers at 6 & 7 am, clouds moving from SE, across the undercurrent. - Fine in the day, chiefly cloudy, but less so. Night closer.	22 Cowslips opening.
Th. 10.	-07 -14	E ₁ NE ₁ NE ₁	42 46 51		Heavy rain early, more fair after 9 am, but cloudy, more or less, and the Evening the same, with but little wind.	42 valleys flooded.
F. 11.	-20 -32	NE ₃ NE ₄ N ₂	41 44 44		Cloudy, blustering, but more drying air, yet very cold & some flying sleet showers. Evens & night, frosty clearer, & less wind.	37
S. 12.	-36 -30	NW ₂ NW ₂ NW ₀	31 40 45		Frost early, bright, with scuds, & little snow at 8 a.m. - Day chiefly fair and sunny, with rocky clouds. Clear & set, frosty night.	32 little hail at times
Su. 13.	-21 -28	NW ₂ NW ₃ N ₂	27 1/2 38 44		Thin frost early, mostly fair & bright till 1 pm, afterwards hail & sleet at intervals, in cold squalls. Fine Evens, grey clouds.	38 hail show- ers - pm
M. 14.	-27 -09	N ₂ NW ₂ WNW ₁ W ₁	30 40 50		Bright, & frost. early; very fine sunny day, with cumuli clouds, and cool breeze. - more hazy after 4 & some clouds. - Cloudy Evening.	41 Full moon. 2. 57 pm. Cowslips abundant.
423.27		252.5 329 581.5		Mean Temp 41° 53. Rain c- over 1 1/4		

APRIL 1862.

April.	Baro. meter	Wind.	Thermometer 9 highest am	Thermom. 8 pm	notes.	Rain. 1/14
Tu. 15.	30.17	NE ₂ NE ₂ NE ₂	37 43 50		Clouds & sun, but a fine day, and mostly bright, with a cold breeze. — A little hail once or twice. — Even's chiefly clear. —	
W. 16.	-28 -06	SW ₁ SW ₄ SW ₄	29 47 53		Fear frost early, but soon became warm & bright, more hazy, wind, & clouds from about noon: — and cloudy and windy Even's. —	
Th. 17.	29.90 -97	W ₂ WSW ₃ W ₂ W ₁	44 52 59		Little rain early a.m., but a fine growing day, flying clouds, with sun, and wind brisk. — Less wind in the Evening, & very fine. —	.04
F. 18. Good Friday.	30.00 29.97	SW ₂ SW ₃ SW ₃	42 54 60		Bright with light clouds, & fresh breeze, more hazy after 9 a.m., with many clouds, but sun at times. Cloudy & breezy Even's. —	
S. 19.	-95 -93	SW ₂ SW ₅ SW ₄	47 57 61		Grey clouds, and sun, fair and warm, but very blowing and more so in the afternoon. — Even's less wind and warm night. —	
Su. 20. Easter.	30.10 -12	SW ₂ SW ₂ SW ₂	49 57 67		Little shower 7/2 a.m.; very fine day, and very warm, with electric clouds, and sun. Very close and cloudy Even's: — and fine night. —	.04
M. 21.	-09 -12	SW ₁ W ₂ W ₂	49 57 63		Warm & pleasant, cloudy morning, and mixed clouds all day, with sun faintly gleaming only. — Calm & warm Evening, with grey clouds. —	
42.0.95		29.74.13		Mean Temp 50°. 7/14. } Rain 2. up. 1.22		
		710				

APRIL 1862.

April.	Baro. meter	Wind.	Thermometer 9 highest am	Thermom. 8 pm	notes.	Rain. 1/22
Tu. 22.	29.98 -68	SSW ₃ S _{4.5} SW ₄ W ₃	47 62 68		Bright morn'g, and continued very bright, & warm — with electric clouds, and a brisk wind, till noon, then cloudy & rain at times till 3 p.m. & after 7 p.m. — a storm.	.05 .06
W. 23.	-72 -96	W ₃ WSW ₅ WSW ₆ SW ₄	46 54 62		Squally & showery, with heavy gales, & sun, but a warm air. Bright Evening & purching wind, slowly abating in the night. —	.10
Th. 24.	30.15 -09	SW ₁ S ₃ SSE ₄ S ₂	42 56 65		Bright with grey clouds, & some electric and dappled, warm, but windy after 1 p.m. Bright Even's, and less wind. — Fine night. —	
F. 25.	-02 29.99	SW ₁ S ₁ S ₂	46 60 69		Close & electric, little shower or two, but chiefly fair, hot and sultry, with distant Thunder, westward. — Hot & bright Even's, lightning in the East. — 9 p.m. —	.03
S. 26.	30.08 -10	S ₁ SE ₂ E ₂ SW ₄	49 57 66		Sultry & rainy at 4 to 6 a.m., cooler after, overcast, fog, & rain at times hard till 11, bright and warm afternoon, Cloudy & breezy Even's. —	.19 .20
Su. 27.	-18 -23	SW ₁ W ₂ W ₂ W ₂	46 59 65		Clear, bright, and warm, with cumuli clouds, and a gentle breeze. Very bright Evening & but little wind. Grey haze below, & sun red. —	
M. 28.	-26 -33	SW ₁ W ₁ W ₁ E ₁	43 61 70		Very fine, warm & bright, all day, and the middle of the day very hot; wind to E. at 5 p.m., clear orange sunset. —	
42.0.77		31.93.46		Mean Temp 56°. 10. — } Rain cald over 1.8.5		
		785.5				

A very warm and growing time, all this week. —

APRIL 1862.

April.	Baro. meter.	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Notes.	Rain.
Tu. 29.	30.43	ESE ₁ SE ₂ SE ₃	41 61 68		Clear, very bright, with a parching breeze, warm and growing as for some days past. - Evening clear and cooler. - Very fine & breezy all the night. -	very fine & parching.
W. 30.	-35	SE ₂ SE ₄ SE ₃	47 61 69½		Clear & parching, very bright all day, and very warm, but the wind boisterous. Warm night, and brisk wind all the time. -	fine, hot & parching.
12145			881375		Mean Temp 2 Days 56° 725. -	Rain total 1.85

Barometer
Highest on 29th — 30.46.
Lowest on 22nd — 29.68.
Range — 0.78
Mean of Month 30.11.
Gales on 3 days.

Thermometer
Highest on 28th — 70°
Lowest on 13th — 27½.
Range — 43½
Mean daily range 14.95
Mean of month — 50° 12.

Principal winds SW, and NE, fine days 15, and the Depth of rain 1.85 Inch.

This was a warm, and genial April, and the earliest season, we have known for many years. A highly Electric state of air prevailed during the last 9 Days of the month. Grass lands uncommonly verdant, and promising, and corn fields also looking well and forward. - No material sickness prevalent, but the usual disorders of Spring. -

MAY 1862.

April.	Baro. meter.	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Notes.	Rain.
Th. 1.	30.12	SE ₂ SE ₃ S ₁	50 64 75		Bright, & breezy, but very hot all day, more electric and hazy after 12; bright and hottest. 3 to 4 p.m. Hazy & sultry night. Lightning W. 68	3 to 4 p.m. 74½ & 75. Lightning west 10 p.m.
F. 2.	-21	SW ₂ W ₃ WNW ₄ NW ₂	55 58 58		Close & cloudy morning till after 6 a.m. then much cooler, & very little rain at 10, continued cloudy more or less, and a strong blue haze. Evening cloudy, & colder. - 49	great change!
S. 3.	-38	NE ₂ E ₃ E ₃ E ₃	38½ 49 54		Cloudy, more or less, with little sun gleams, and cold wind, but fine. Very Electric clouds at sunset moving from SW across lower current. Distant lightning 47	Lightning South-10 p.m.
Su. 4.	29.96	E ₃ SE ₂ SE ₁	45 61 74		grey haze, light clouds, and return of heat, very hot from 10 am, chiefly bright with electric haze & dappled sky. very hazy Even & night. 63	great return of the heat again!
M. 5.	30.10	S ₁ SE ₂ SE ₂	53 65 77		Hazy & dappled, and sultry, became very hot, & bright, with rocky clouds; evening chiefly clear, and gentle wind all night. - 64	very hot. Bees swarming! - Hawthorn blooms.
Tu. 6.	-25	SE ₂ S ₁ SE ₁ E ₁	54 73½ 84		Quite clear, and very hot, and became excessively so before 11, & all day. - Electric clouds at Eve, with distant Thunder & lightning in W. - 69	Δ 0 H Th. at 12. - 82° 1½ p.m. - 84°
W. 7.	29.90	E ₂ SE ₃ S ₄	55 71 78½		Clear, and very hot, with a brisker breeze, and very parching air, till 4 p.m. then dark with heavy rain & distant Thunder at 5. & rainy again at 8 p.m. - 59	Δ 4 8 moon 1½ 3. 24 a.m.
42177			35055005		Mean Temp 60° 78. -	Rain car over - 22

851

Real summer heat this week!

MAY 1862.

MAY 1862.

May.	Baro. meter	Wind.	Thermometer lowest 9 highest	Thermom. 8pm.	Notes.	Rain. 0.22
Th. 8.	30.05 -03	SW ₃ SW ₅ SW ₂	49 59 66		Cloudy with sun, squally wind, but fair, chiefly bright from 11 am. More hazy after 4 pm, and all the evening. 57	
F. 9.	29.75 -67	NW ₂ W ₃ SW ₂ SW ₂	50 52 59		Rain from 6 am, and very hard at times till after 10 am fair & sun at noon, but thunder showers & hail in the afternoon - and squally sky in the Evens. 53	70 72
S. 10.	-72 -79	SW ₂ WSW ₂ SW ₁	48 55 63		Cloudy with sun, growing weather, shower at 12, - and more at a distance. Fine afternoon - but shower at 9 pm. 56	04 03
Su. 11.	-82 -79	W ₂ W ₁ NW ₁ SW ₁	48 58 62		Clouds & sun, some distant thunder showers, and a shower here between 3 & 4 pm, and again at 5. Fine & cooler night. 52	11 09
M. 12.	-76 -86	W ₁ Var. 1. SE ₁	43 57 62		Clear except haze, continued bright with rocky clouds, & nearly calm, heavy clouds and thunder SE, 1 & 2 pm. Cloudy Evens, night clearer. 53	
Tu. 13.	30.01 -07	NE ₁ NE ₂ NE ₂	44 53 59		Cloudy, more or less, and sun at times, but cool. Upper clouds at eve from SW, across the under cur- rents. Cooler night. 51	Full moon 11 pm.
W. 14.	-04 -07	NE ₁ NE ₂ NE ₂	42 53 56		Grey clouds and sun, but mostly cloudy, and very cool wind. The evening the same as the day. Blowing more in the night. 49	
418.43		32.4428		Mean Temp 53.714. Rain 2 up 1.31		
		752				

May.	Baro. meter	Wind.	Thermom. lowest 9 highest	Thermom. 8pm.	Notes.	Rain. 1.31
Th. 15.	30.05 29.97	NE ₂ E ₃ N ₃ NE ₂	45 53 55		Cloudy, rain from 8 to 9 am, and at times during the afternoon, dark arcs of cloud rising from E while the lower current was about N. Evens foggy & distant lightning. 52	wind varied much - E & N, alternate- ly. - Lightning at 9 pm. -
F. 16.	-97 30.06	NE ₁ E ₂ Var. 0. SE ₁	47 61 66		Electric & dripping sky at 6 am, soon became bright, with rocky clouds, and sultry air. - Bright & warm Eve- ning. Some fog in the night. 61	02
S. 17.	-24 -30	Var. 0. NW ₁ NE ₁ E ₂	49 62 71		Foggy morn'g, became very bright, and hot, with a gentle wind, & small clouds, sun set clear and red in thin haze. Clear night. 61	very fine and growing day. - mist on the valley - 9 pm.
Su. 18.	-29 -26	E ₂ SE ₁ SE ₁	46 64 75		Very bright, and hot, with small electric clouds, and scarcely any wind. More hazy after 3 pm, and dark sky about horizon. 64	Exceedingly fine & hot summer weather.
M. 19.	-23 -15	SE ₂ SE ₁ SE ₁	49 65 77		Bright, and very hot, & very little wind, or cloud all day. - but very hazy at sunset, and some haze all the night. 65	* ♀ ♀
Tu. 20.	-01 29.82	SE ₁ S ₃ SW ₂	52 70 74		Hazy & electric, but very bright, and very hot, till after 12, afterwards hazy & much electric cloud. Evening clear & cooler. 62	♂ ♂ ♀ moon last 2m 3.38 pm.
W. 21.	-76 -60	SW ₂ S ₃ SSE ₃ SW ₂	49 54 60		Lowering, and showery at times, much cooler, and distant thunder in West. Showery & very cool Eve- ning. - Finer night. 48	04
420.71		33.75479		Mean Temp 58.32. Rain cal over 1.69		
		816.5.				

MAY 1862.

MAY 1862.

May	Baro. meter	Wind	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes	Rain
Th. 22	29.77	SW ₄	42		Bright, with rocky clouds, and boisterous wind, some distant showers at 6 pm. to the N, but fine Evens here. and wind less.	□ 24 ♀ * H ♀ Elder in flower!	1.69
		WSW ₅	55				
	-94	WSW ₂	64				
F. 23	-90	SW ₂	49		Cloudy & rain from 5 am, at times till 8 am, then squally & much cloud till after 12. pleasant and warmer from 2 pm, and sun at times, most at Eve. closer in the night.		10
		SSW ₄	55				
	-92	SW ₂	64				
S. 24	30.02	SW ₃	55		Close, warm breeze, & cloudy, but, became partially bright with lighter clouds; more electric after 3 pm, warm & calm Evens. Clear night.		
		SW ₂	61				
	-70	SW ₂	68				
Sa. 25	-16	W ₂	49		Bright with flying clouds, & brisk wind; very electric clouds in higher currents. Bright Evens, no wind, and great dew in the night.		
		W ₃	62				
	-23	WNW ₂	67 1/2				
M. 26	-25	W ₁	46		Very bright morn'g, but soon rather hazy, and electric, dappled sky, and hot. More clouded from 3 pm, with darker haze. Close & breezy in the night.	very Elec- tric sky. Dog roses open.	
		SW ₂	61				
	-14	SW ₂	70				
Tu. 27	-03	SW ₃	54		Cloudy & close morn'g, with a gentle rain from 8 till 10, afterwards fair with dark and threatening clouds, and little sun. Fine Evening, mottled sky, & less wind.	□ 0 ♂	12
		SW ₃	58				
		W ₂	64				
	29.97	SW ₂					
W. 28	30.00	SW ₁	54		Light rain & fog early, and rather showery till noon, bright afternoon, very rocky clouds & hot. - Cloudy Evens, wind to NE, upper clouds from SW. Blue fog and distant Thunder &c.	new moon 3. 26 pm. □ H H distant Thunder	06
		W ₁	61				
	-05	NE ₂	70				
		E ₁					
420.48 3494675 Mean Temp 58.32. - 1 Rain cal' up 1.97							
816.5 Same Temp as last week!							

May	Baro. meter	Wind	Thermom. 9 am	Thermom. 8 pm	Weather, &c.	notes	Rain
Th. 29	30.03	E ₁	54	61	Blue electric haze followed by rain from 7 am, till 9 am. sultry day, but mostly bright, from 1 pm, & very electric clouds. Evens cloudy & breezy night.	Beautifully dappled & electric sky all the after- noon, distant Thunder.	03
		SSE ₁		70			
	29.97	S E ₂					
F. 30	-75	S E ₃	56		Very red east, blowing with hazy sky, & close air. clearer about 11 and hot, but cloudy afternoon & rain at times, and a heavier shower at 6 1/2 pm. Fine night.		28
		S E ₃	62				
	-69	S E ₁	68				
S. 31	-91	SW ₂	56		Cloudy more or less, but very fine, & little sun at times. - Blue haze in the Evening. - Clearer night.		
		W ₂	58				
	30.77	W ₁	65				
17952 166203 Mean Temp 3 days 61.5. - 1 Total rain 2.30							

Barometer.
Highest on 3rd — 30.38.
Lowest on 21st — 29.60
Range — 0.78
Mean of Month 30.01.
No gale all the Month.

Thermometer.
Highest on 6th — 84°!
Lowest on 3rd a.m. — 38.5.
Range — 45.5
Mean daily range 47.77
Mean of the Month 58.14.
The highest for 14 years in May!

Depth of rain 2.30 Inches, Fine days 20, and the pre-
vailing winds SW, & SE.

This was the warmest May for 14 years past, and
vegetation remarkably forward, perhaps the earliest
spring for 18 years, if not for 21 yrs, or since 1841.
The heat with us was very great in the first, and
third weeks, but the West of England had very great
rains on 6th & 7th days when so fine in some other
parts. - No great sickness during the month.
Dog roses open on the 26th which is the earliest I ever noted it!

JUNE 1862.

JUNE 1862.

June	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Notes.	Rain.
Su. 1.	30.19	NW ₂ NW ₂ N ₂	49 61 64		Clouds and sun, but chiefly much cloud, and rather cool, yet very fine & pleasant. Evening very cool and cloudy also. Fine night. - 54	
M. 2.	-17	NW ₁ W ₁ W ₀ S E ₁	52 63 74		Very fine, bright, and hot, and quite calm after 11 a.m. the sun-beams very powerful all the P.M. - Close evening but bright, with light haze. 65	
Tu. 3.	-22	SW ₂ SW ₂ SW ₂	57 66 71		Hazy & close, with sun, and electric clouds, thicker here at 1 p.m., very blue, & strong in smell, followed by rain, a few drops, & gentle shower again 4 1/2 p.m. Fine & clearer even. 60	03
W. 4.	-29	W ₂ WSW ₂ SW ₁ SW ₀	49 64 71		Clear, very bright with few clouds, and parching breeze hot afternoon. - Evening very bright, warm, & still. Hazy about the setting sun. - 65	
Th. 5.	-02	S ₁ SSE ₂ S ₁ SW ₃	50 62 66		Hazy, with electric clouds, followed by rain at 1 p.m., and at times fast rain till near 4 p.m. then fine, but cool & stormy sky. - 57	34
F. 6.	-80	SSE ₁ SW ₂ SW ₄ S ₅	52 63 69		Close & rainy at 3 a.m., in very light misting. Fine & warm day, many clouds, & sun between. More cloudy & blowing after 3 p.m. Very warm and windy night. - 65	02
S. 7.	-77	SW ₄ SW ₄ SW ₂	61 66 72		Very sultry & trifling rain early a.m. - Fine day, flying clouds, & sun, very warm, but windy. - Cloudy evening & wind less. - 62	03
42.0.69		37.0.487		Mean Temp 61° 21/4. - Rain cald. up .42		
		857.		A high mean Temperature.		

June	Baro. meter	Wind.	Thermom. 9 a.m.	Thermom. 8 p.m.	Notes.	Rain.
Whitsun. day. 8.	30.01	SW ₁ SW ₃ WSW ₃ W ₂	53 58 68		Gentle rain at 4 & 5 a.m., and cloudy till near 10, then fair with sun, & rocky clouds. Short shower 2 1/2 p.m. again fair & bright & so all the evening. - Cooler night. 63	15 03
M. 9.	-13	W ₀ SW ₃ NW ₅ W ₂₋₁	48 61 67		Fair & chiefly bright till after 3 p.m., very electric & distant thunder clouds, sudden gale & storm of rain 3 1/2 p.m. Very cool night, & clear. - 54	05
Tu. 10.	-14	SW ₂ S ₂ S E ₂	45 61 67		Clear & cool morning, continued bright with rocky cumuli till 3, then very hazy, and more clouds, and even cloudy. - 59	
W. 11.	-69	S E ₃ SSE ₃ S ₃ SSE ₂	53 61 68		Cloudy, close & dark till 8 1/2 a.m., & little rain, then became bright with flying clouds, till near 4 p.m.; a squall & hasty shower soon after, and very stormy sky. - 60	03 07
Th. 12.	-63	SW ₂ SW ₄ SSE ₃ S ₅	53 60 61		Cloudy & blowing, with little sun, became very lowering & continued rain from 11 a.m. in drifting squalls all the p.m. - Night finer. - 59	63
F. 13.	-54	SW ₆ WSW ₄ WSW ₆ WSW ₅	53 61 66		Faly morn'g, very squally all day, with sudden gusts, and little flying showers, with sun between. Even'g finer, but windy, and night fine. - 58	04
S. 14.	-79	WSW ₃ SW ₃ SW ₁	50 58 65		Cloudy morn'g, & very little sun till near 12, then brighter but distant thunder S, and heavy thunder-shower here, at 1 1/2 p.m., & showery at 4 p.m. - 57	31 12
417.50		355.462		Mean Temp 58° 35/7. - Rain & over 1.85		
		817.				

June 1862.

June.	Baro- meter	Wind.	Thermometer 9 ^{am} Highest	Weather, &c.	Thermom. 8pm.	notes.	Rain. 185
Su. 15.	29.88 -98	SW ₂ . SW ₃ . SW ₁ .	47 59 63	Cloudy, with sun till 11 ^{am} , then a very heavy rain till after 12, distant thunder, and gentler rain till after 1 pm. afterwards more fair. little wet during night. -	59	Heavy showers & thunder.	.35 .04
M. 16.	30.05 -18	W ₁ . NW ₂ . NW ₂ . N ₂ .	48 60 66	Fine & sunny till 11 ^{am} , & very rocky clouds, then some dark clouds from NW, and a shower, about noon, again fair and the evening bright. -	56	848	.08
Tu. 17.	-19 -06	NW ₁ . WNW ₁ . W ₁ . W ₂ .	49 60 67	Light clouds & sun, very fine & warm till near 4 pm, then close, darker clouds, & few drops, and a close & cloudy Even ^g , rain at 9.	59	Had rain 9 & 10 pm.	.22
W. 18.	29.99 30.20	N ₂ . N ₂ . NE ₁ .	52 55 58	Close, lowering, and thick light rain at times, but increased to thicker rain at 10 ¹ / ₂ till about noon. Finer afternoon, little sun, and a fine Even ^g . -	54		.08
Th. 19.	-21 -10	NW ₂ . W ₂ . W ₁ . W ₁ .	46 57 64	Some blue fog, but soon clear-er, dusky clouds, & sun, with some dense lumpy cumuli at noon, hazy from 3 pm - & little wet. Cloudy night. -	57	moon, last 2 ^o - 3.12 am.	.02
F. 20.	29.99 -97	W ₂ . NW ₃ . NW ₂ . W ₂ .	51 59 64	Hazy & cloudy, clearer after 8, bright with cumuli clouds till 1 pm, then again more cloudy, but fine, and the Eve-ning also cloudy. -	57	Δ ₂ ♀ *♀♀	
S. 21.	-93 -82	WNW ₂ . W ₃ . W ₃ .	50 57 57	Grey clouds, and electric ones in higher current, little sun at 8 am, then became very gloomy & thick, & cold for the season. with little wet at times. -	54	gloom & coolness.	.01
42055		343 439		Mean Temp 55°. 857. -) Rain c. up - 2.65			

782

June 1862.

June.	Baro- meter	Wind.	Thermometer 9 ^{am} Highest	Weather, &c.	Thermom. 8pm.	notes.	Rain. 2.65
Su. 22.	29.80 -86	NW ₃ . WNW ₃ . WNW ₄ . W ₂ .	51 57 62	Much clouds, & blue haze, and sun at times, with gusty wind, & little rain in short drifts. Less wind in the Eve-ning & cleared to SW, after 6. -	57	Δ ₂ ♀	.01
M. 23.	-78 30.10	NW ₃ . N ₃ . N ₁ . NW ₁ .	54 57 63 ¹ / ₂	Short heavy showers, at 1 & 2 am, lowering till after 10, then fair & bright with light clouds, very fine afternoon, & evening, but thick about setting sun. -	58	unsettled state of skies.	.17
Tu. 24.	-07 -07	SW ₂ . WSW ₂ . WSW ₂ . W ₁ .	50 60 65	Lowering at times, with very light showers, but mostly fair, and some sun be-tween. Very fine Evening lighter clouds, and warm, and the night cloudy. -	62		.03
W. 25.	-17 -30	NW ₂ . N ₂ . NE ₂ . NW ₀ .	53 59 63	Cloudy, some dark clouds, and short shower at 11 am, fine afternoon, sun at times, bright Even ^g , but a hazy sunset. Night clearer. -	60		.02
Th. 26.	-19 -06	W ₂ . W ₃ . W ₁ .	51 63 6 ¹ / ₂	Bright with light cirri clouds, warm & drying air, more wind, & clouds after 12, but fine. Evening close, and less wind. -	62	closer all this day & electric.	
F. 27.	29.95 -83	W ₂ . W ₂ . NW ₄ . W ₁ .	49 57 62	Cloudy, and cool breeze, some dark and threatening clouds, with sun between. -	51	new moon 6.54 am. *♂♀ severe thun-der SW, at 5 pm.	.23
S. 28.	-91 30.09	NW ₃ . NW ₂ . W ₁ .	47 58 63	Bright with rocky clouds, and a brisk wind, fine till noon, afterwards gentle showers, but a fine Eve-ning, and night also. -	57		.05
42018		355 446		Mean Temp 57°. 21. -) Rain c. over 3.16			

801

June 1862.

June	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Notes.	Rain.
Su. 29.	30.13	W ₂ .	49		Bright with light clouds, and thin haze, with a halo about the sun at noon. More hazy in the afternoon, but a warm, and pleasant day. Even's cloudy & a little rain, closer night.	
		W ₁ .	60			
		W ₁ .		68		
	-06	SW ₂ .		63		
M. 30.	29.95	W ₂ .	53		Rain early at times all the morning from 12 last night: fair with sun & flying clouds from 5 am; fine day, with cool breeze and much cloud at times.	
		WNW ₃ .	59			
		W ₂ .		62		
	30.07	W ₁ .		57		
	120.21		102	130	Mean Temp 2 days 58° 15.	Total rain 3.37

Barometer.

Highest on 25th — 30.30

Lowest on 12th — 29.38

Range — 0.92

Mean of Month 29.98

Gale on 1 day, the 13th.

Thermometer.

Highest on 2nd — 74°

Lowest on 10th am — 45°

Range — 29°

Mean daily range 14° 6.

Mean of Month — 58° 15

Rain 3.37 Inches. Fine days 10 —. Prevalent winds, the SW, W, and NW.

From the 5th day, this proved a very showery month, and often very gloomy and cool, so as to be unfavourable for hay-making, and for keeping up the recent earliness of vegetation. Colds & Rheumatic affections prevailed much, owing to the continual moistness and want of sun during the last three weeks, and on the whole, it must be said that it was an unseasonable time, yet the mean temperature was ^{but 2¹/₂ below} the average.

July 1862.

July	Baro. meter	Wind.	Thermom. 9 am	Thermom. 8 pm	Notes.	Rain.
Tu. 1.	30.02	WSW ₁ .	50		Cloudy morn'g, misting at times, close & gloomy all day, and frequent light rain: —	
		WSW ₁ .	59		Evening continual rain	12
		W ₂ .	62		and mostly hard, till 8 pm.	21
	29.99	W ₁ .		59		
W. 2.	-90	SW ₄ .	57		Sultry & blowing morn'g, with some rain, finer with sun at noon, frequent showers again, about 1 pm, afterwards sun windy & many clouds. Even's	13
		SW ₄ .	61		bright & drying air.	11
	-93	W ₃ .	65			
		WSW ₂ .		58		
Th. 3.	30.01	W ₁ .	48		Bright, with pale haze, & cumuli clouds, more hazy, and thick after 1 pm, & till 5, but from 6 pm bright, with few clouds.	
		SW ₂ .	59			
	29.97	SW ₂ .	64			
		SW ₁ .				
F. 4.	30.00	SW ₂ .	49		Bright morn'g, streaks of thin cloud diverging from NW. fine bright & warm, with cumuli clouds, & electric sky. — Very close & clouded all the Even'g.	
		SW ₁ .	61			
	30.00	SW ₂ .	68			
S. 5.	29.91	SW ₀ .	52		Calm & close morn'g, blue haze, became bright with electric clouds, but then again hazy, distant Thunder, & little rain with sun at times. Rain at 10 pm, electric & black clouds.	
		SE ₂ .	62			
	-67	ESE ₃ .	66			
		E ₂ .		61		
Su. 6.	-62	S ₂ .	58		Bright morn'g, with stormy sky, & much flying cloud. Fine & warm day, chiefly bright after 2 pm, with electric cumuli, and a close night.	
		SW ₂ .	64			
	-61	SW ₃ .	71			
		SW ₁ .		66		
M. 7.	-69	SW ₃ .	57		Close, with winds & soft wind, blowing & clearer from 9 am. hot sun, with many light clouds	
		SW ₅ .	63		trigling shower 2 1/2 pm, very electric clouds all the Even'g about SW, & S.	
	-81	SW ₂ .	69			
	418.13		371	465	Mean Temp. 59° 7/4.	Pain car over 66

July 1862.

Mo. July.	Baro- meter.	Wind.	Thermom. 9 am	Thermom. 8 pm.	Weather, &c.	Notes.	Rain.
Su. Tu. 8.	30.03	W ₁ . W ₁ . WSW _{1/2} .	55 63 72		Rain at 2 am; but fine & warm morn after sunrise. Bright & hot afternoon, cumuli clouds, & gentle air. Bright Evns, few small clouds, fine night. —	very fine & hot.	0.6
M. 9.	-22 -19 -01	SW ₂ . SW ₂ . SW ₂ .	56 63 67		Grey clouds, & sun, became more cloudy, blue haze, and some gentle rain at times, sultry air & little sun. — Warm breeze all night, but very little rain. —	very close & lowering.	0.
Th. 10.	29.87 -88	SW ₂ . W ₃ . W ₂ . W ₂ .	58 64 67		Sultry breeze, flying clouds, & sun; much mixed cloud all day, very little rain, & sun at times. — More electric looking clouds at eve. —	* O H. Sultry morning. — Day chiefly fair. —	01
F. 11.	-97 30.03	W ₃ . W ₂ . SSW _{1/2} .	49 59 62		Clear & windy morn, some clouds after 9 am, but fair less wind, and sun at times. — Closer Evns, very hazy, & rather electric. —	Full moon 1.38 pm.	
S. 12.	29.67 -57	SSE ₂ . S ₂ . SW ₂ . SW ₁ .	53 59 66		Cloudy & rain from 5 am, till about 7 am, lowering, and some misting at times all the forenoon. Fair & warm afternoon, little sun, little showers in the Evening. —	Distant Thunder in the Evns. — wind to WNW at 9 pm. —	24 11
Su. 13.	-91 30.02	W ₁ . W ₁ . SW ₂ . SW ₁ .	53 63 73		Bright with light cumuli, very fine, and hot all day, more electric cumuli after 3 pm. Evns bright & hot, with small electric clouds —	very fine and hot. Sun set in cirri, and haze. —	
M. 14.	29.99 -95	SW ₂ . SW ₃ . S ₂ .	58 68 76		Bright with a sultry breeze, flying clouds followed, but fine & hot sun all day. — Some clouds and haze in the Evening. —	fine and very hot.	
419.31			382.483	Mean Temp 61° 785. } Rain & up 1.14			
			865				

July 1862.

Rain.	July.	Baro. meter.	Wind.	Thermom. Lowest	9 am	Highest	Weather, &c.	Thermom. 8pm.	Notes.	Rain.
1.66	10 Tu. 15.	29.95	SW ₂ .	54			Clear, bright morn'g, very fine bright, and hot till after 3pm, then rather squally, & little flying rain at 4 1/2 pm. Fine and sunny evening.	62	* 04	1.14
	11 W. 16.	-88	SW ₂ .	52			Grey clouds & sun, fair & warm till 1pm, electric & rocky, followed by sharp thunder showers, & large hail, in the afternoon. Fine Evens, and	59	Sharp thunder, and large hail.	23
02		-91	WSW ₁ .		63	69				04
	12 Th. 17.	30.01	WSW ₁ .	51			Bright and warm, with some rocky clouds, very pleasant afternoon, chiefly bright, but the evening cloudy, & still fine.	63	□ ♀ ♂ ♀ gentle rain after 8pm.	05
01		-02	SW ₂ .		64	70				
	13 F. 18.	-02	SW ₂ .	56			Cloudy & close morn'g, but soon bright with lighter clouds, and a fine hot day. Splendid evening, very bright, but a hazy night.	65	moon, last Dr. 5.13pm. very fine & warm.	
		-17	W ₂ .		65	71				
	14 S. 19.	-17	SW ₁ .	54			Electric & dappled, but chiefly sun till noon, then somewhat hazy, & light clouds with very brisk wind. Very bright Evens from 5pm.	65	windy but warm, dry and pleasant.	
24		-07	SW ₄ .		64	69				
11			W ₃ .							
	15 Su. 20.	-18	SW ₂ .	52			Bright with passing breeze, and flying clouds, more wind after 10am, very blustering, but less so after 1, and warm sun. Evens lightly cloudy & less wind.	64	very windy, but fair. red even skies.	
		-23	W _{4.5} .		63	69 1/2				
			W ₃ .							
			W ₁ .							
	16 M. 21.	-22	W ₂ .	54			Clear, bright and breezy morning, very fine day, but clouds at times, & brisk wind. Clear Evens, less wind, and sun-set clear.	62	very fine.	
		-35	W ₄ .		64	68				
			W ₁ .							
14		42.106			37	34	Mean Temp 61°. 464.)		Rain cal over 1.47	
					860.5					

JULY 1862.

July.	Baro. meter.	Wind.	Thermometer. 9 am.	Thermometer. 8 pm.	Weather, &c.	Notes.	Rain.
Su. Ju. 22.	30.35	W ₁ . W ₁ . SW ₁ . S ₁ .	48½ 63 66		Bright with light lofty clouds all the forenoon, hazy & more cloudy in the afternoon, but fine, and a cloudy even. Night close & hazy. —	□ 4 ♀	1.47
Mo. 23.	-15	S _½ . SE ₁ . E ₁ . Var. o.	56 61 63		Close & calm morn'g, cloudy & little misting, most of the day, but fine & little sun at times. — Even'g quite calm & very fine, but hazy. —	mist on valleys at Eve.	
Th. 24.	-14	SW ₀ . SW ₂₋₄ . SW ₂ .	51 64 71		Light fog, & blue haze, calm & close morn'g, more wind after 9 am, much grey cloud till after 2 pm, then bright and hot, & clear orange & set. —	very close & warm.	
F. 25.	-08	WSW ₃ . WSW ₅ . WSW ₃ . W ₀ .	58½ 69 77		Bright, with flying clouds, & a hot breeze, very bright from 9 am, all day, and very hot; wind less and became calm & dappled in the even'g. —	very hot and bright.	
S. 26.	-29	SE ₀ . SE ₁ . SE ₁ .	54½ 70 80		Calm, bright & lovely morn'g. little wind after 8, continued bright & very hot, with a gentle breeze. — Electric dappled sky in the even'g; sun set in beautiful jagged bands & cloud. —	new moon 9.5 pm. very fine & very hot.	
Sa. 27.	-20	NW ₁ . W ₂ . W ₂ . W ₁ .	58 68 78		Clear, splendid morn'g, and a very fine bright day, and very hot, with a few small cumuli clouds; evening very bright also, & very little wind. —	very hot & clear.	
Mo. 28.	-29	W ₀ . W ₁ . SSE ₂ . SE ₁ .	52 67 76		Bright with light clouds, and very trifling wind, but very hot; wind veered 4 pm & became more, but soon less again. Evening dappled & electric, but bright, & serene. —	very hot & bright.	
42283		3785511		Mean Temp 63° 53.5. Rain 2 up. 1.47			
		88.95					

JULY 1862.

July.	Baro. meter.	Wind.	Thermometer. 9 am.	Thermometer. 8 pm.	Weather, &c.	Notes.	Rain.
Tu. 29.	30.23	Var. o. NE ₁ . NE ₂ . E ₁ .	52 68 73		Quite clear, & dewy morn'g, very fine & hot day, but more clouds, & very electric with rather more wind pm. Evening curdled & little haze, but very fine. —	very fine & hot. —	
W. 30.	-21	NE ₀ . NE ₁ . ESE ₁ .	51 66 70		Dark haze, & curdled morn'g. soon became bright & hot, with electric cumuli, & some more dense in the afternoon. Sun set red in cirro, and haze. —	very fine & pleasant.	
Th. 31.	-23	S ₁ . SW ₃ . SW ₃ . 2.	51 66 76		Cloudy, few rain drops 7 am, soon became bright & hot with electric light clouds, & brisk wind. Sultry evening & mottled clouds. —	* ½ ♀	
18135		154 219		Mean Temp 3 days 62.166. Total rain 1.47			

Barometer.

Highest on 21st & 22^d 30.35
Lowest on 12th 29.57
Range — 0.78
Mean of Month 30.043.

Thermometer.

Highest on the 26th — 80°
Lowest on 3rd am — 48°
Range — 32
Mean daily range 16° 35.
Mean of Month 61° 677.
No gales, but some next degree to it.

Prevailing winds SW, & W. Fine days 23, and depth of rain only 1.47 Inch.

The former half of this month was changeable, and often showery; but all the latter half exceedingly fine, and very warm, and seasonable; and much excellent Hay was made and secured during the time. — Corn crops suddenly put on riper tints, and a few pieces of Talavera Wheat were cut.

AUGUST 1862.

Su.	Aug.	Barometer	Wind.	Thermom.			Weather, &c.	Thermom. 8pm.	notes.	Rain.	
				lowest	9 a.m.	highest					
Su.	F. 1.	30.19	SW ₂	57			Light clouds with sun, and sultry air. became very hot & bright. & continued so all day, and a very sultry Evening, with grey clouds. —	72	very hot & fine.		
			SW ₂	69							
			SW ₁	80							
M.	S. 2.	-12	SW ₁	55			Bright, with grey clouds, but more cloudy after 8, & till near noon, then a bright & hot afternoon. Distant Thunder SW, 5 pm, heavy & close. Evening fine & clearer in the night. —	68	very fine summer weather.		
			SW ₁	68							
			SW ₀	76 1/2							
Su.	3.	-20	SW ₁	56			Very bright, splendid morning, & very hot, so continued, but some rocky clouds from previous electric change. Dappled Evens, & very fine & hot. —	67	moon 1st Dr 4.56 am. *24 1/2		
			W ₁	68							
			NW ₁	75							
M.	4.	-20	SE 1/2	53			Clear & dewy, very bright morning, so continued all day, & very hot with small clouds, & fresh breeze. More electric clouds all the Evens. — Sultry night. —	66	very fine & hot.		
			SE ₁	67							
			SE ₂	76 1/2							
Tu.	5.	29.85	SSE ₂	60			Very sultry morning, dark electric clouds, but became bright after 7, and very hot, — so all day, with rocky cumuli. — Fine Evens & night. —	65	Thunder in West 4 a.m.		
			S ₃	71							
			S _{3, 4}	74							
W.	6.	-89	SSW ₃				Bright, & parching breezes, very warm day, but many mixed clouds, and gusty wind. Showers at 3 1/2 & 5 pm, then cooler, but much less wind. —	59		.09	
			SW ₃	54							
			SW ₅	65							
Th.	7.	-73	SW ₁				Lowering close & little rain early, became very windy, with drifts of rain at 9 & 10. Then fair, with some sun, and strong wind, followed by shower & thunder 3 pm. Fine night. —	61	Δ 0 3 gales & thunder	.05 .12 .03	
			SE ₁	55							
			SE ₆	61							
		-45	S ₇								
			SW ₅								
			3-2.								
419.92				390	529	Mean Temp 65°.642. Rain cald up - 0.29					
				919	A high Temperature.						

AUGUST 1862.

v. Aug.	Baro. meter	Wind.	Thermom.			Weather, &c.	Thermom.	8pm.	notes.	Rain.
			lowest	9 am	highest					
F. 8.	29.62	SW ₃	53			Bright & windy, with flying clouds; fair & warm here, but some thunder-showers at 12 miles S. & SE. - 2 pm. -			Thunder in S. & SE. - 2 & 3 pm.	0.29
	-68	SW ₄	62							
		SW ₂			70	Cloudy Evens, but fine night.	61			
		W ₃								
S. 9.	-79	W ₂	54			Electric & curdled, but fine, more clouded about 9 & 10, sun at times, but fair, with many clouds, the rest of the day. -			Full moon 9.53 pm.	
		WNW ₂	61						□ 3 ♀	
		NW ₃			65	Cloudy Evens, but clear after 9.	59			
	30.02	W ₁								
Su. 10.	-08	W ₂	52			Bright, & warm morn'g, more cloudy after 10, fine day, sun at times, with grey clouds.			very fine and pleasant.	
		WNW ₁	64			Lofty grey clouds also in the evening in stripes across zenith.	62			
	-12	W ₁			67					
M. 11.	-18	W ₁	57			Lofty grey clouds, and curdled beds above them, with little sun at times, very fine and pleasant. -			very fine, pleasant day.	
		WNW ₂	61			Calm Evens, grey clouds & soft atmosphere. -	63			
	-26	NW ₂			67					
		NW ₀								
Tu. 12.	-27	Var. 0	49			Clear, but fog below, very fine warm & pleasant day, lighter clouds & sun at times. Close Evening, curdled & grey clouds, and nearly calm. Hazy night.	66		* 0 H	
		S ₁			64				warm & fine.	
	-22	SW ₂			70					
		SW ₁								
W. 13.	-11	SW ₂	55			Close with grey clouds, more wind after 9 am, few rain drops. Then fine, warm, & pleasant, but chiefly cloudy. -			* h ♀	
		SW ₃	64			More sun at 5-46 pm, very fine and pleasant Evening, and quite calm. -	66		fair & warm.	
	-02	WSW ₂			70					
		WSW ₀								
Th. 14.	29.92	S E ₁	60			Overcast & light rain early, and till near 8 am, close & lowering all day, little rain at times.			Δ 0 3	15
		SSW ₁	64			Evens finer, & more electric.				
		S ₁			67	some fog in the night. -	64			
	-91	S E ₁								08
419.20		380			476	Mean Temp 61°.142. -) Rain E. over 0.52				
		856								

AUGUST 1862.

Su.	Aug ^r	Baro- meter	Wind	Thermometer		Weather, &c.	Thermom ^t . 8pm.	notes.	Rain
				low st	9 a.m. high st				
Su.	F. 15.	29.95	SW ₀	56½		Foggy morn ^g , till 8. then cleared to very bright & hot, but after 10 am, showery, very heavy rain a short time. Bright noon, but rain & thunder from 2 pm, till 4. - Evens fair, calm & clearer.	61	much Thunder.	0.52
M.	S. 16.	-98	NE ₁	58	65	Haze & clouds, followed by continual rain more or less all day, & mostly very hard, - slight intermission at 3 pm, but rainy evens & night.	60	* H & F great rain.	1.33
		-95	NE ₁		62				
		-95	N ₂		62				
Su.	17.	-93	N ₂	57½		Continued rain more or less with little intermission till past 12 noon, finer from 1, till 4½ pm, but overcast. Evens again rainy, & part of the night.	59	moon last Dr 9. 4 am. continued rains.	85
		-96	N ₂		61				
		-96	N ₁		61				
M.	18.	30.02	NW ₃	54½		Heavy showers before 3 am, then more fair, but cloudy till 12, then bright & warm all the afternoon, and evening. - Fine night, chiefly clear, & no wind.	61	hard rain early, but a fine day afterwards	20
		-12	N ₂		58				
		-12	N ₁		66				
		-12	Var. o.						
Tu.	19.	-12	SE ₁	5½		Bright with light fog below, became very hot & clear, continued bright, but some blue haze, & few light clouds in the afternoon. Clear yellow sunset. Mist on hills.	69	fair and very hot.	
		-08	S ₂		67				
		-08	SSW ₂		75				
		-08	SW ₀						
W.	20.	-13	SE ₀	52		Very bright, most of the day, and very hot, calm & close, more clouds after 1 pm, and rather hazy evens. - Fine night but foggy. Lightning at 10 pm.	64	* 4 ♀ Distant Thunder. Lightning NW 10 pm	-17
		-13	SE ₁		66				
		-13	SE ₀		75				
		-13	SE ₁						
Th.	21.	-09	SE ₀	52		Fog early & till 7 am; then bright & hot, with rocky cumuli; more electric, sultry & hazy after 1 pm. Very sultry evens & night, & very hazy.	67	very sultry.	
		-09	SE ₁		68				
		-04	SE ₀		74				
		420.47	382.483		Mean Temp 61° 78.5. Rain cal. up - 3.42				
			865						

AUGUST 1862.

Aug ^r	Baro- meter.	Wind.	Thermometer		Weather, &c.	Thermom ^t . 8pm.	Notes.	Rain.
			low st .	9 a.m. high st .				
F. 22.	29.99	SW ₀ W ₂ NW ₃ WNW ₂	62 63 69		Blue haze, thick & sultry morn ^g , & little rain, and gloomy till noon, then fair with sun & light clouds. Clear evens & night.	63	gentle rain A.M. - Fine P.M. very pleasant.	05 3.42
S. 23.	-22	W ₁ W ₁ W ₀	50 64 71		Clear, bright and hot, with pleasant breeze, and some rocky clouds, P.M. very calm & close evens, and chiefly cloudy.	63	very fine.	
Su. 24.	-37	NW ₁ NW ₀ SE ₂	50 64 73		Clear, very bright and hot, with scarcely any wind, till 5 pm. Then a breeze from SE. Evens hazy, & thick arcs of cloud.	62	very fine clear & hot.	
M. 25.	-43	Var. o. NE ₁ SE ₂ SE ₂	49½ 65 71		Clear, very fine, more clouds & wind after 8 am, but fair and mostly sun. Curdled & electric from 4 pm, but clearer during night.	61	new moon 9. 40 a.m.	
Tu. 26.	-17	SE ₁ E ₂ E ₂ E ₁	50 68 73		Electric & curdled, but hot, & sunny. Chiefly bright, but some cirri, and distant electric clouds. - Fine & clearer, evens.	61	The Comet much better seen.	
W. 27.	-12	E ₁ E ₂ NE ₂ NE ₁	55 64 66		Hazy, dappled & electric, and with hazy sky, all day, little sun, and mottled clouds, Evening clearer, but many mixed electric clouds, and rocky in the S.W.	59		
Th. 28.	-22	NE ₁ NE ₁ Var o.	53 64 70		Little hazy & dappled, became bright with rocky cumuli, the afternoon nearly clear, & very bright & warm. - Sun set in dark haze.	62	very fine.	
423.16		369.5493		Mean Temp 61° 57.8. Rain cal. over 3.47				
		862.5						

AUGUST 1862.

Su.	Day.	Baro.	Wind.	Thermom.		Weather &c.	Thermom.	8pm.	notes.	Rain.
				Lowest.	9 Highest.					
F.	29.	30.28	NE ₁	49	61	Very fine, with clouds, & sun: but chiefly cloudy in the afternoon, and more wind. — Even calm & mottled clouds in SW & NE currents.				
M.		-29	NE ₂		63					
S.	30.	-23	NW ₁	54	63	Cloudy, and foggy morn, became bright, with electric clouds, and close air very pleasant day. Calm & warm Even, & clouds electric.	very fine & pleasant.			
		-23	NE ₁		68					
			E ₀							
Su.	31.	-21	NE ₁	52	63	Clear, very bright morn, some rocky cumuli & other clouds followed, but very fine & sun at times. Coarser clouds in the evening.	very fine			
		-22	NE ₂		67					
			N ₁							
		181.46			155.51983	Mean Temp 3 days - 59° - Rain 3.47				

Barometer.
 Highest on 25th — 30.43
 Lowest on 7th — 29.45
 Range — 0.98
 Mean of Month 30.067
 Gale. on 1 day - viz the 7th.

Thermometer.
 Highest on 1st — 80°
 Lowest on 12th am — 49°
 Range — 31°
 Mean daily range 15° 20
 Mean of Month — 62° 20

Prevailing winds SE and SW, but much varied; the depth of rain 3.47 inches, and fine days 24 in number

This was a month of changes, and some great falls of rain in a few days only, but on the whole a very fine month, and as near as could well be - at the usual mean of temperature; suiting the harvest which proceeded well. Not much sickness, either in Town or country.

September 1862.

Sept	Day.	Baro.	Wind.	Thermom.		Weather, &c.	Thermom.	8pm.	notes.	Rain.
				Lowest.	9 Highest.					
M.	1.	30.18	NW ₁	49	62	Electric clouds, & sun, fine and pleasant day, but more clouds in the afternoon. Darker, and a close hazy Evens. —			moon 1st 2 nd - 10.18 am.	
		-12	NE ₁		67				□ H &	
Tu.	2.	29.74	N ₁	57	61	Rain early, and heavy at times till after 9 am, afterwards more fair, and at 3 pm, became bright, and very pleasant. Thunder at 7 pm.			hard rain 9 AM, and fine pm. Thunder in S, at eve.	.60
		-83	NW ₁		65					
			W ₁							
W.	3.	-72	SW ₃	53	59	Bright, & windy, with flying clouds; less wind after 2 pm, fine Evening but cooler, moon bright, and a fine night, till 12 pm.			little shower during the morn.	.05
		-81	SSW ₅		65					
			SSW ₃							
			S ₂							
Th.	4.	-90	S ₁	52	62	Bright and warm morn, and a fine, warm, sunny day, with cumuli clouds, more cloudy & close from 3 pm, all the Evens.			Fine and pleasant.	
		-92	SW ₁		67					
			W ₂							
			SW ₀							
F.	5.	-94	SW ₀	52	61	Light clouds, warm & calm morn, but wind veered after 9 am. hazy close and warm day, with dark rocky clouds. Calm Evens very hazy & slight rain at 8.			very fine & pleasant.	.01
		30.02	NE ₂		63					
			NE ₁							
			NE ₀							
S.	6.	-04	NW ₁	53	61	Cloudy with blue fog, followed by gentle rain at 8 am, & till 9 am, then fair, and bright, with loose cumuli, calm & close Evens, and night.			Δ 8 th rain a.m. very fine from 10 am.	.04
		-08	NW ₀		66					
			W ₀							
Su.	7.	-11	W ₁	50	63	Bright with light clouds, very warm & sultry, and more cloudy in the afternoon. Bright moon at 8 & 9 pm.			* H & close & sultry.	
		-15	W ₁		67					
			W ₀							
		419.76			368.4605	Mean Temp 59° 178. - Rain 8.072				
					828.5.					

September 1862.

September 1862.

Sept.	Baro. meter	Wind.	Thermom. at 9 am	Thermom. at 8 pm	Weather.	notes.	Rain.
Su. M. 8.	30.24	SW $\frac{1}{2}$ SW $\frac{1}{2}$ SW $\frac{1}{2}$	52 64 74		Bright, and hot, with a few light clouds, and gentle wind: more clouded after 3 pm, and very sultry even 3, and night.	Full moon 7.57 am. very hot.	0.72
Tu. 9.	-23 -13	W $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{2}$	55 64 72		Sultry, with grey clouds, and sun, very hot at noon, afterwards cloudy, very close & still: and the night very sultry.	848 hot and sultry.	
W. 10.	-07 -10	N $\frac{1}{2}$ NW $\frac{1}{2}$ NW $\frac{1}{2}$	58 59 60		gentle rain early, and harder during the forenoon, more fair from 1 pm, and became bright, with rocky clouds. Clear sunset.	55	
Th. 11.	-21 -20	NW $\frac{1}{2}$ W $\frac{1}{2}$ W $\frac{1}{2}$	43 58 65		Clear, dewy morn, fine sunny day, very rocky clouds in the afternoon. Calm and pleasant evening, and much closer.	57	
F. 12.	-29 -22	SW $\frac{1}{2}$ SW $\frac{1}{2}$ SW $\frac{1}{2}$	45 60 69		Clear & dewy morn, and a very bright & warm day the afternoon hot, & clear, and even cloudy and very close.	very fine & hot. - 64	
S. 13.	-16 -01	SW $\frac{1}{2}$ SW $\frac{1}{2}$ SW $\frac{1}{2}$	59 63 70		Very sultry, & cloudy morn, became bright after 8, and a very hot sunny day. Evening rather cloudy. Very close all night.	☐ ☉ ☿ very fine hot day. 63	
Su. 14.	29.94 30.02	S $\frac{1}{2}$ S $\frac{1}{2}$ SSE $\frac{1}{2}$	58 63 67		Hazy, & sultry, little rain 10 am; continued close & sultry, but fine & pleasant day; Even cloudy, rain at 6 and 7 pm. Fine night.	very close, pleasant day. 63	03
42203		3703477		Mean Temp 60° 53.5. Rain E up 0.96			
		847.5		A very high Temperature.			

Sept.	Baro. meter	Wind.	Thermom. at 9 am	Thermom. at 8 pm	Weather, &c.	notes.	Rain.
M. 15.	30.15	SE $\frac{1}{2}$ E $\frac{1}{2}$ E $\frac{1}{2}$ NE $\frac{1}{2}$	54 67 74		Fog early, sultry & electric became very hot and clear, so continued all day, with a very parching breeze. Some clouds at eve, and breezy night.	very hot & parching. 62	
Tu. 16.	-32 -42	NE $\frac{1}{2}$ NE $\frac{1}{2}$ NE $\frac{1}{2}$	55 61 65		Cloudy, cooler breeze, slight rain at times, but some sun between, and chiefly fine, but much colder than of late. Night fine.	moon last 2m 4.22 am. 56	01
W. 17.	-47 -52	NE $\frac{1}{2}$ NE $\frac{1}{2}$ NE $\frac{1}{2}$	50 60 63		Clouds & sun, with a cool breeze, but fine. A great fall of temperature in 2 days. Evening and night cloudy, but fair, & less wind.	56	
Th. 18.	-52 -53	N $\frac{1}{2}$ NE $\frac{1}{2}$ E $\frac{1}{2}$ NE $\frac{1}{2}$	53 62 67		Grey clouds & sun, calm & mild morn, more wind after 8, bright after 11, and very warm. Clear evening, and pale yellow sun set.	888 59	
F. 19.	-52 -50	NE $\frac{1}{2}$ E $\frac{1}{2}$ E $\frac{1}{2}$	52 65 71		Dripping fog, but cleared at 8, very bright and hot day, parching breeze, & small clouds. Clear orange sunset, and clear night.	80h very fine & hot. 60	
S. 20.	-44 -39	ENE $\frac{1}{2}$ NE $\frac{1}{2}$ NE $\frac{1}{2}$ NE $\frac{1}{2}$	57 63 68		Clear, except light scuds, very fine, & bright, with a fresh breeze: cloudy even, lit the wet, and more wind, yet a sultry night.	60	01
Su. 21.	-40 -39	NE $\frac{1}{2}$ N $\frac{1}{2}$ NE $\frac{1}{2}$	57 60 62		Fog drifting, but close air, & a little rain at 8 am, and about 10 am: the rest of the day fair, little sun, but chiefly cloudy. Even more so.	Δ H 8 55	02
42579		3734705		Mean Temp 60° 25. Rain cald over 1.00			
		843.5		Temperature still high.			

September 1862.

September 1862.

Sept.	Baro. meter	Wind.	Thermom. Lowest	Thermom. 9 am	Thermom. Highest	Weather, &c.	8pm.	Notes.	Rain. 1.00
Su. M. 22.	30.41	NE ₁ NE ₂ NE ₁	52	56	59	Cloudy & mild morn'g, more wind after 10, cool and chiefly cloudy, with little sun. More bright after 4 pm, clear night, but colder.	52	very fine but cool.	
Tu. 23.	-29	NE ₀ E ₂ E ₂ E ₂	45	60	65	Grey clouds, but soon very bright and hot, with small clouds, & light breeze. Some Electric clouds at Eve & thunder distant in P. Fine night.	54	new moon 8.57 pm. Equinox	
W. 24.	-14	E ₀ E ₂ ESE ₁ ESE ₂	44	60	65	Clear, very fine morn'g, and a warm sunny day, with fresh breeze. More hazy & dappled after 3 pm: few drops of rain at 5, closer & cloudy even'g.	59	very fine & warm.	
Th. 25.	-02	E ₁ ESE ₂ SE ₁ SW ₂	58	63	66	Cloudy & sultry morn'g, very close day, and some blue fog at times, and rain after 3 pm, & till 4 1/2 pm. Fine & close even'g.	59	sultry day, 05	
F. 26.	-09	SW ₁ S ₂ S ₁ S ₂	51	59	69	Hazy, & mixed clouds, but clearer after 10, very hot, & sultry day, with electric clouds & sun. Little rain at 4 1/2 pm. Even'g fine, & very warm.	63	very hot & electric.	01
S. 27.	-10	S ₁ SSE ₁ SE ₁ SE ₁	56	61	66	Fog & little misting at 8 am, close air, very warm with much cloud & little wet at times. - Continuous lightning in SE, & E. all even'g.	62	sultry air. wind light raining all the even'g.	02 02
Su. 28.	-10	SE ₂ SE ₁ SE ₁	59	64	71	Very foggy, but cleared off at 9 am, very hot day, and chiefly bright, till after 3 pm. - Thunder and hard rain in the evening & night.	64	Electric & very hot. Thunder at 6 1/2 pm	20
421.98			365.461			Mean Temp 59° -) Rain 2.23			
826			Continued high mean Temperature.						

Sept.	Baro. meter	Wind.	Thermom. 9 ^{am}	Thermom. 8 ^{pm}	Weather, &c.	Notes.	Rain. 1.30
M. 29.	30.00	SE ₁	62		Rainy & very sultry morn'g.	very sultry.	21
		SE ₁	64		more fair after 10 am; and	& thunder.	
		SE ₁	68		some sun, but again cloudy	Heavy rain	
	29.95				after 3, with rain, fog, and	at Eve.	
					thunder. Very heavy rain		50
					in the evening till 9 pm.		
Tu. 30.	97	S ₃	58		Very heavy rain at 2 1/2 & 3 am.	moon 1 st 2 nd	22
		SW ₂	65		Fine & bright after 8, warm &	4. 10 pm.	
		SW ₃	68		sunny day, with rocky clouds.		
	-99				thunder in W. at 4 pm. Even'g		
					mostly fine.		
119.91		120.136		Mean Temp 2 days 64° -) Rain - 2.23			
Barometer.				Thermometer.			
Highest on 18 th - 30.53.				Highest on 8 th & 15 th - 74° -			
Lowest on 3 rd - 29.72				Lowest on 11 th am - 43° -			
Range - 0.81				Range - 31° -			
Mean of Month 30.16				Mean daily range 13°.61.			
				Mean of Month 60.02			
No gales all the month. -							
Winds chiefly NE, or divided between E. SE, & W. -							
Fine days 20, and the depth of rain 2.23 Inches.							

This was a very warm September, considerably above the average, and it proved on the whole a fine and very pleasant time. although rain at times prevailed: and there was no great amount of sickness in either town or country; excepting a few cases of dysentery common to this period, and of Cynanche Maligna, and one case from infection proved fatal, in a young girl, who took it from her elder sister, who carried it there, but recovered herself.

October 1862.

October 1862.

Day	Oct.	Baro. meter	Wind.	Thermom.		Weather, &c.	Thermom. 8 pm.	notes.	Rain.	Day	Oct.	Baro. meter	Wind.	Thermom.		Weather, &c.	Thermom. 8 pm.	notes.	Rain.
				lowest	9 am highest									lowest	9 am highest				
Su	W. 1.	30.12	SW ₂ W ₂ W ₁ S ₁	49	57 63	Bright, with cumuli clouds a fine drying day, & warm sun, yet cooler than of late. Fine Evens, moon dim. & streaked sky. —	54	☉ ☽ ☿ ♀		W. 8.	30.40	NE ₂ NE ₂ NE ₁	52 58 62		Clear, very fine & mild morn. and bright with loose cumuli all day, warm & pleasant, but more clouds after 2 pm. Bright moon at Evens. —	54	fine & pleasant.		
Mo	Th. 2.	29.26	S ₂ SW ₂ SW ₁	51	61 65	Rain early. fine after 5 am, close & much cloud, with some sun, very sultry Evening, and night, with grey clouds. —	63	very close gloomy, & warm.	20	Th. 9.	29.48	E ₁ E ₂ E ₁	49 58 61		Bright, with light clouds, and a drying breeze, very fine autumnal weather. Even bright moon, and fleecy clouds flying over. —	56	very fine.		
	F. 3.	29.35	S ₂ SW ₃ WSW ₂ W ₁	60	66 71	Very sultry & close, but after 9 became sunny & hot, with light clouds. Very fine, & summer-like day! — Clear orange sunsh, bright moon at eve, & Aurora. —	64	very fine & hot.		F. 10.	29.31	E ₁ ESE ₁ E ₂ E ₁	54 59 62		Close, with grey clouds, and mostly clouded till noon, the afternoon sunny at times, with flying clouds. Evening fine, moon & sand clouds. —	56	fine, and warm.		
	S. 4.	29.32	NW ₁ NW ₀ E ₂	52	60 65	Fog, more or less all the morn, & till noon. Very warm afternoon, but cloud- y. The Evening clears, and very fine. —	59	close day.		S. 11.	29.04	E ₀ SE ₁ SW ₂	52 60 62		Very foggy till 10 am, after- wards showery with very warm sun at times. Fine Evening, with some clouds, & very warm. —	58	Heavy drip- ping fog, in the morn- ing. —	27	
	Su. 5.	29.37	NE ₁ E ₂ E ₂	48	57 63	Bright, with heavy dew, very fine & bright, with a drying air after 9 am, and till after 2 pm. more cloudy afterwards, but fine night. —	55	fine, and sunny Day. —		Su. 12.	29.94	S ₂ S ₄ S ₅	53 59 64		Close & some fog, followed by mixed clouds, & little wet, and frequent fast rain from 10 am, till 12: fine & warm afternoon. Evens stormy & mild.	63	close, and rainy.	21	
	Mo. 6.	29.28	E ₂ ESE ₁ SE ₁ SE ₀	47	59 65	Bright with grey clouds, calm & pleasant morn, cloudy from 9 to near 12, then a bright & very warm after- noon. Close & cloudy Evening. —	59	☉ ☽		Mo. 13.	29.89	SW ₃ SW ₂ SW ₃	51 55 59		Clouds & sun, somewhat hazy, but fine, and fresh breeze. — Blowing Evening & night. — and some rain during night. —	59	☉ ☽	10	
	Tu. 7.	29.07	W ₂ NW ₂ N ₃ NE ₂	52	54 57	Showery at 4 & 5 am, fine forenoon, but cool & cloudy. Showery afternoon & more wind at times. Fine Eve- ning, warmer, & clearing off	57	Full moon 8.46 pm. ☉ ☽ ♀	21	Tu. 14.	29.99	SW ₂ SW ₂ SW ₁	54 63 67		Very warm, & bright morn, continued very fine, bright, and hot, with light clouds, & gentle wind. Sultry Eve- ning, and night. —	62	☉ ☽ very fine & hot.		
		42.466			359.4493	Mean Temp 57° 75. —		Rain & up —		64	42.188			365.438	Mean Temp 57° 37. —		Rain & over 1.34		
				808.5		A high mean Temperature.							803.		Temperature continues high.				

October 1862.

October 1862.

	Oct.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. 8 pm.	notes.	Rain	Oct.	Baro. meter	Wind.	Thermom. Lowest 9 am	Thermom. 8 pm.	notes.	Rain	
							1.34							2.72	
Su	W. 15.	29.85	SE ₁ SE ₃ W ₂ W ₂	61 67 71		Bright, & very hot close air, continued bright, and very hot for the season, with a brisk breeze. Distant Thunder & clouds from W. - 3 1/2 pm. and raining evening. —	moon last 20 11.42 pm extremely hot for the time.	V. 22.	29.65	SW ₄ SW ₅ SW ₄	45 56 61		Very squally & wet from 7 a.m. till near 9 a.m. then fair mild & blowing, little sun at times. Again showery in the evening, but finer night.	Squally & warm.	20 04
Th. 16.	30.05		S ₂ SW ₂ SW ₃ SW	50 55 59		Bright with flying clouds and cooler breeze, very fine day, & yellow sunset. — Clear evening, but a change after midnight. —	88° very fine.	Th. 23.	-39	SW ₅ SW ₇ W ₅	44 49 54		Blowing, with flying clouds & sun; winds increased to a heavy gale at 1 pm, and till after 3, then abating slowly. Fine even ^g , mostly clear. —	new moon. 7.37 a.m. Heavy gale.	
F. 17.	29.87		S ₄ SSE ₇ SW ₅ SW ₃	47 54 56		Heavy gales, & rain at times from 7 a.m. ending with heavy rain from 11 to 12. then a fine sunny afternoon, with cooler air. Fine night.	Red East. stormy.	F. 24.	-65	W ₃ W ₃ W ₁	42 46 51		Clear, very bright & bleak morning - and the day the same, till 3 pm, then squalls and some rain a short time: but a clear and frosty even ^g . —		01
S. 18.	-82		SW ₂ SW ₂ SW ₂	42 49 52		Much colder, but fine & some sun; continued fair & hazy till noon, then rainy and dark till after 4. Even ^g finer, but cold & hazy. —	84° rainy p.m.	S. 25.	30.02	W ₀ SSW ₃ SW ₄ SW ₄	34 41 55		Hour frost early, & calm, but red & hazy in part. much blue haze all day, and the Even ^g warmer, but windy; — and a close breezy night.	ΔH♀	
Su. 19.	-84		SW ₂ SSW ₃ SSW ₂ S ₈	39 45 56		Hazy & cold, very gloomy cloudy & cold all day, with much haze, no sun since 7 1/2 a.m. — Violent gusty gales 10 to 12 pm, & rain at times.	very cool & gloomy, some gale night.	Su. 26.	-72	SW ₃ SW ₃ W ₁ W _{1/2}	52 56 56		Cloudy, warm, & little rain. frequent showery rain till noon, then fine & bright with rocky clouds. — Even ^g chiefly clear, & nearly calm. —	rain a.m. fine p.m.	20
M. 20.	-20		SW ₄ W ₅ W ₄ W ₅	44 49 52		Clear morn ^g , much less wind, fair & mostly bright till 3 1/2 pm, then a squally shower, but again fair & clear, with bleak wind all evening. —	very stormy.	M. 27.	30.02	SW ₃ SW ₄ SW ₄	42 49 56		Hazy, with many clouds, but fine, and brisk wind, milder afternoon, very red sky at sunset, and blowing Even ^g . but fine night.	80°	
Th. 21.	-77		W ₄ W ₅ NW ₆ NW ₃	41 46 52		Very hazy & gloomy morning, the middle of the day stormy with sun at times, loud thunder at 1 1/2 pm, in storm from NW afterwards finer, and less wind.	Thunder p.m.	Th. 28.	-90	SW ₁ SW _{1/2} SW _{1/2}	48 50 51		Close & hazy, a mild and nearly calm day, but very thick upward, nearly the same all day. — Light misting in the evening. —		01
	416.56			324398		Mean Temp 51° 57. Rain cal up	2.72		416.44		307384		Mean Temp 49° 35. Rain & over	3.18	
				722							691				

October 1862.

November 1862.

Oct.	Baro. met.	Wind.	Thermom. Lowest 9 am	Thermom. Highest 8 pm	Weather, &c.	Notes.	Rain E. 3'18
Su. 29.	30.04	NW ₁ W ₂ N ₂	42 45 50		Foggy & calm, clearer after 9, and the afternoon bright with light mottled clouds.	moon 1st. 2nd 11. 44 pm.	
Th. 30.	29.98	NE ₀ E ₁ SE ₂ SE ₁	31 36 51		Clear, & smart frost, rocky clouds from SE, after 10 am, but fair, sunny, and warmer. Cloudy evening, and mild breeze. - Colder night. -		
F. 31.	29.95	SE ₂ SE ₁ SE ₁	45 52 55		Hard rain at 1 am, very close & warm again, and a fine day, but gloomy and rather foggy. - Evenings & night the same.		30
179.97		118/56		Mean Temp 3 days 45° 66. Rain 3'48			

Barometer.

Highest on the 4th - 30.61.

Lowest on - 20th - 29.20.

Range - 1.41

Mean of month 30.02

Gales on 4 days. -

Thermometer.

Highest on 3rd & 15th 71°

Lowest on 30th - 31°

Range - 40

Mean daily range 11° 4

Mean of Month - 53° 2

Winds most SW, Fine days 17. Depth of rain 3'48 Inches. -

This month was very warm up to the 18th, afterwards stormy, much cooler, and frequent rain to the 28th; yet the mean temperature exceeded usual average, but fell far below that of the same month last year. - Public Health on the whole but little affected during this month.

Nov.	Baro. met.	Wind.	Thermom. Lowest 9 am	Thermom. Highest 8 pm	Weather, &c.	Notes.	Rain
S. 1.	30.06	E ₀ E ₁ E ₀	49 52 56		Mild, foggy & calm, very close & damp. Little more wind after 1 pm, and rather clearer. - Evenings calm, and close as before. -	6 2 8 (close 8 miles. 53	
Su. 2.	29.94	E ₀ W ₂ W ₀	49 52 54		Very close, warm & calm, rather clearer after 1 pm, pleasant & calm. - and the evening clear above, and foggy below, & quite calm.	Calm & pleasant day. 49	
M. 3.	29.91	SE ₀ SE ₁ SE ₁	40 44 55		Very foggy till about 10, then clearer, close, mild, & calm. Evenings bright moonlight & small fleecy clouds.	Fair, & mild. 51	
Tu. 4.	29.89	S ₀ S ₁ S ₁	44 50 57		Calm & mild, with light grey clouds, became very bright after 11 am, and the evening bright moonlight. -	very fine & pleasant. 49	
W. 5.	29.87	SE ₁ S ₂ SE ₁	47 1/2 51 53		Foggy & little rain at times, very gloomy & dripping, nearly the same all the day, & evenings, but finer from 3 to 5 pm. -		21 16
Th. 6.	29.85	NW ₁ Var. NE ₁ NE ₁	37 40 46		Fog below, clear upward. - sunny till 1 pm, afterwards somewhat foggy & cloudy; and rain in the evening & night. -	Full moon 0. 48 pm. 41	10
F. 7.	29.83	NW ₂ NW ₃ NW ₃	39 40 44		Rain at 1 am, clear at 6, but thick fog after 7, and at times foggy all day, but sun between, yet a raw and cold breeze. Very foggy night.	cold & raw. 40	21
422.62		305.5365		Mean Temp 47° 89. Rain cal over 0'6 8 (670.5)			

November 1862.

Nov.	Baro.	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain.
S. 8.	30.39	SW ₂	33		Thick fog early, but sun bright after 9, and till 11, afterwards blue here, and thick, but warmer.	0.68
	-27	W ₁ SW ₂	34	47 1/2	Evening cloudy. —	
Su. 9.	29.90	SSW ₃	42		Mild & rainy, with more wind. Fine from 1 till 4, then squalls & harder rain till 5: afterwards a fine clear Evening. —	22
	-63	SSW ₅ SW ₆ SW ₃	47	52 1/2	blowing & wet, most of the day.	21
Mo. 10.	-47	SW ₃	39		Bright morn'g, but squally sky, and some distant showers & gusty wind in the day. less wind from 2 pm, clear Evening. —	
	-42	SW ₅ W ₂	43	48		
Tu. 11.	-50	W ₀	29 1/2		Clear at first, & keen frost, fine day, and mostly sun, with hazy beds of cirri at a distance. Clear, & keen frosty Evening. —	
	-77	W ₁ W ₂ 1. 0.	30	41	fair & frost.	
W. 12.	-97	W ₀	28		Hard white frost, & clear and chiefly bright all the day, but some fog below, the Evening nearly the same. —	
	30.16	NW ₂ NW ₁	28	42	Sharp frost, A.M.	
Th. 13.	-23	NW ₀	28		Fog, & smart frost, calm morn'g, less fog after 12, bright afternoon, and sharp frosty Evening, & quite clear & calm. —	
	-10	NW ₁ E ₀ E ₀	28	40	Sharp frost A.M.	
F. 14.	-02	Var. 0	27		Hard frost, and clear, except a few light clouds. Bright day, and keen air. Even' rather hazy & slight breeze. —	
	-08	NW ₁ NW ₁	29	41	moon last Dr 6. 11 pm.	
418.91		226.5		Mean Temp. 38° 46- Rain 2.46- 1.11		
		538.5				

November 1862.

Nov.	Baro.	Wind.	Thermom. 8 am	Thermom. 8 pm	notes.	Rain.
S. 15.	30.10	NW ₂	32		Foggy & less frost, dark, and cloudy, with some rain in drifts mislings. Milder afternoon & evening, but dark & little wet at times. —	0.3
	-17	NW ₂ NE ₃	36	46	Trees nearly bare.	
Su. 16.	-23	N ₂	42		Mild & cloudy morn'g, became bright after 9, very fine & sunny the rest of the day.	very fine.
	-31	N ₁ W _{1/2}	45	47	Cloudy Evening, and nearly calm after 7 pm. —	
Mo. 17.	-41	N ₂	36 1/2		Clear, very bright, fine, and drying, with a brisk air.	very fine & drying day.
	-49	NE ₃ NE ₃	37	47 1/2	Clear and cold Evening, and less wind. — Hazy night.	
Tu. 18.	-47	N ₁	35		Cloudy & some rain - morn'g and Evening, but fine all the middle of the day, & sun at times, but much cloud, & rather cold air. —	0.3
	-43	ENE ₁ NE ₁	40	46		
W. 19.	-30	NE ₃	38		Cloudy, some showery rain at 4 & 5 am, fine day, but very cold wind, & much cloud, and very cloudy Evening. —	0.5
	-28	NE ₃ NE ₂	41	41		
Th. 20.	-32	NE ₂	33		Cold drying breeze, clouds, & sun, less wind after 11, and nearly calm: very fine day, and a cloudy Evening, calm and fine. Night frosty. —	very fine.
	-33	NE ₁ NE _{1/2}	38	41		
F. 21.	-27	E ₁	31		Hard frost, & calm morn'g, but soon changed to more wind, lowering, and rain a few drops, but continued fair afterwards, & clearer. —	new moon 6. 15 pm.
	-27	SE ₃ SE ₂	32	40		
424.38		247.5		Mean Temp. 39° 71/4. Rain 2.00- 1.22		
		556				

November 1862.

November 1862.

Nov.	Baro. meter	Wind	Thermom. lowest 8 am	Thermom. highest	Weather &c.	Thermom. 8 pm.	notes.	Rain. 1.22
S. 22.	30.00 29.94	NW ₂ NW ₂ N ₁	32 36 40		Little snow at 4 am; the day chiefly bright & fine with cold air, and sleet showers at a distance, and some snow here at 8 pm.	32	Little snow showers snows & evening.	
Su. 23.	-82 -84	NW ₂ NW ₁ NW ₀	27 27 39		Sharp frost, clear, & very bright, the same all day, but distant snow-clouds in N.E. - very sharp frost in the evening, & clear sky.	29	Sharper frost.	
M. 24.	-88 -91	NE ₀ NE ₂ NE ₂	27 27 42		Clear, & sharp frost, very fine day, & continued clear except distant snow clouds on the horizon N; E; & S. - & clear at sunset.	32	*OH keen frost.	
Tu. 25.	-88 -80	E ₂ ENE ₄ E ₃ E ₅	32 34 42		Hazy, & less frost, more hazy in the afternoon, and more wind: blowing & cold, and very cloudy evening blowing & milder.	38	Δ48	
W. 26.	-64 -65	NE ₂ N ₁ NW ₁	38 42 43		Cloudy & milder, little rain at times, yet mostly fine. Dark, and damp afternoon and little rain at 7 & 8 pm. Night cloudy, little wet.	40		04
Th. 27.	-64 -62	SE ₂ SW ₂ W ₂	32 37 43		Dark, foggy, and rain at times, till near 12, then became fine & clearer, with sun at intervals. Evening foggy, but moon visible.	35	*h ₂ Great fire meteor 6 pm.	20
F. 28.	-92 -94	SE ₂ SE ₃ SE ₄ 5.	32 40 45		Little frost early, then fog after 9 am, & some rain at times, but chiefly fine, with drifting fog, and brisk wind, and a blowing evening.	41	moon 1 st Dr 10.2 am.	04
41748		220294		Mean Temp 36°.71.) Rain 5. up 1.50				
		514		Slow Temperature. -				

Nov.	Baro. meter	Wind	Thermom. lowest 8 am	Thermom. highest	Weather, &c.	Thermom. 8 pm.	notes.	Rain. 1.50
S. 29.	29.82 -77	E ₆ E ₃ E ₂	38 41 42		Very blowing from East, all the morning, but wind fell away much in the day, dark and cloudy, with little misting at times.	41		
Su. 30.	-96 -97	NE ₁ NE ₀ NE ₁	35 38 43		Fine snows, with sun, and grey clouds, more clouded & rather foggy in the day, continued cloudy & little more wind at times.	40		
11952		73 855		Mean Temp 2 Days 39°.6. =) Rain 1.50.				

Barometer.
Highest on 14th — 30.49
Lowest on 10th — 29.42
Range — 1.07
Mean of month 30.04
Gales on 3 days. —

Thermometer.
Highest on 14th day — 57°
Lowest on 14th 23rd & 24th — 27°
Range — 30
Mean daily range — 9.75
Mean of Month — 40.62.

Principal winds NE, and NW. — fine days 20;
Depth of rain 1.50 inch. —

This was upon the whole a fine month for the season, but the temperature was 2° below the usual mean, and the fall of the leaf, was very rapid and early, and produced a hasty change of scenery on the landscape. Considerable sickness was prevalent in many towns, and among some rural districts, where the surface was low and marshy. Numerous cases of *Cynanche Maligna*, and *Diss*, and elsewhere. A great fiery meteor on 27th 6 pm, passed from E to W, appearing as large as the moon, of a blue colour, with long train.

December 1862.

December 1862.

Dec.	Baro. meter.	Wind.	Thermom. Lowest 8 am Highest.	Weather, &c.	Thermom. at 8 pm.	notes.	Rain.
M. 1.	29.84	SE ₃ E ₃ E ₄ ESE ₃	39 45 48	Clouds & sun, with a brisk wind, and stormy looking sky, but mild air, and a cloudy and blowing evening. —	45	Squally state of air.	
Tu. 2.	-76	SE ₂ ESE ₄ ESE ₂	39 43 48	Fine morn'g, plane cir- costrati & sun; fine & sunny day, but more wind at times. Evening hazy & many clouds. —	43		
W. 3.	-91	SE ₃ SE ₅ SE ₅	40 42 47	Drifting fog, with a very brisk wind: flying snow & sun after 11. But chiefly blowing and cloudy, and the evening the same. —	42	Squally atmosphere.	
Th. 4.	-93	E ₃ SE ₂ SE ₁ z.	42 44 47	Very red East & hazy morn'g, little rain in big drops, but chiefly fair & little sun, hazy and watery sky; and mild evening and night. —	42	Δ O ♂ little wet 8 am, and 9 pm. —	.02
F. 5.	30.16	SE _{1/2} SE ₄ S ₄ S. b.	43 46 52	Mild & calm morning foggy at 8 & 9, but became clearer, & sunny, but windy from 12 noon, fair & mild afternoon, but very wet & blowing evening. —	47	Δ ♂ ♀ * ♀ ♀ very mild.	.07
S. 6.	-16	SSE ₄ SE ₆ SE ₄	46 50 55	Cloudy, damp, & gloomy but very mild, with more wind, very blow- ing afternoon, and rain after 4 pm. Sultry air. —	55	Full moon 7.37 am. & total Eclipse.	.08
Su. 7.	-11	S ₂ SW ₄ SW ₂	50 53 54	Very warm all the past night, and a very mild & fine day, brisk wind light clouds and sun. hazy evenings. —	49	Fair, and very mild.	
419.58			299.351	Mean Temp 46.42. — Rain cal. up '19			

650

A high temperatures.

Dec.	Baro. meter.	Wind.	Thermom. Lowest 8 am Highest.	Weather, &c.	Thermom. at 8 pm.	notes.	Rain.
M. 8.	29.96	W ₅ NW ₆ NW ₄ 3.	41 41 44	Rain at 4 & 5 am, very squally morn'g, but became bright, and very blowing after 10 am; but less wind in the evening, & night. —	39		.17
Tu. 9.	-20	SW ₂ SW ₂ SW ₁	38 40 45	Fine with sun & grey clouds, more clouded after 11, and gloomy afternoon, few rain drops at times. Evening very rainy. —	43		.06
W. 10.	29.70	SW ₂ W ₃ WNW ₄ W ₂	42 52 53	Heavy rain at 4 & 5 am, dark morn'g till 10, after- wards cleared off, bright & windy, and again colder & after a mild morn'g, and the evening colder. —	41	♂ O H Rivers overflow.	.42
Th. 11.	30.08	SW ₂ SW ₃ S ₂	34 36 46	Clear, little frost, bright till 10, afterwards thick, with clouds, & blue haze. Hard rain at 6 & 7 pm. Night finer & colder. —	41	♂ H ♀	.25
F. 12.	30.20	NW ₂ NW ₁ NW ₁	32 33 41	Clear & bleak morn'g, little frost, fine & bright day, but cold. Clear & cold eve- ning, but hazy below, — and a hazy night. —	36	Δ ♂ ♀	
S. 13.	-12	S ₄ S ₄ W ₂	33 42 46	Overcast & rainy, with squally wind, till 4 pm, then cleared off, but the evening hazy. Night fine & less wind. —	41	* O 4	.16
Su. 14.	-42	W ₁ W ₁ SW ₁	33 34 43	Bright morn'g, and very fine and sunny day, with very little cloud or wind. Even also fine, with hazy &uddy sunset. —	34	moon last seen 10.33 am * 4 ♀	
421.60			253.318	Mean Temp 40.78. — Rain cal. over 1.25			
			571.	Temperature declines. —			

clearer &
brighter
in night.

December 1862.

Dec.	Baro. meter	Wind.	Thermom. lowest 8 highest	Weather &c.	Thermom. 8pm.	notes.	Rain
Mo. 15.	30.49	SW ₂ .	32				E 1.25
		S ₃ .	38	Foggy morn'g, cleared after 8, fair and bright till 12, afterwards cloudy all the afternoon, but clearer evening.		3TH & cold & raw.	
	-47	S ₁ .	40				
Tu. 16.	-40	S ₃ .	33	Cloudy with thick blue haze, and dark atmosphere all day, and wind gusty at times, but less wind in the evening.		continued raw & cold.	
	-43	SW ₄ .	39				
		SW ₃ .	43				
W. 17.	-36	S ₄ .	39	Very mild and cloudy, till noon, then rainy, and colder, with change of wind.		*24 & milder.	
	-36	SW ₃ .	48				
		NW ₂ .	51	Evening fine & much clearer.			
Th. 18.	-40	SW ₁ .	33	Fine with sun, and grey cirrostratus clouds, all the forenoon, but lowering & rain at noon, and wet and blowing afternoon & evening.		Therm highest 11pm.	
	-42	SW ₃ .	34				
	-42	SW ₄ .	52				
F. 19.	29.68	SW ₈ .	43	Violent gales all the morning, with some flying showers at times; very blowing day, with sun & drifty rain. Very yellow brassy sky at 10.40.		Heavy gale all morn'g. lightning & thunder eastward 4 a.m.	
	-77	NW ₇ .	43				
		NW ₆ .	47				
S. 20.	-44	NW ₈ .	34	Violent gales again from 3am, & rain at times. and blowing very hard all day, with flights of rain & snow. Night rather fine.		Violent gale. red light ning, and thunder at 5 a.m.	
	-63	NW ₇ .	36				
		NW ₅ .	42				
Su. 21.	-78	NW ₃ .	34	Driving rain & sleet at 6. to 8 a.m. and wind squally all day, with thick showers of rain & sleet. The same in the night, but less wind.		new moon 5.4 a.m. *H & valleys flooded	
	30.00	NW ₆ .	36				
		NW ₄ .	42				
42.133			248 317	Mean Temp 40° 35. -) Rain cal up 2.3			
			565				

December 1862.

Dec.	Baro. meter	Wind.	Thermom. lowest 8 highest	Weather, &c.	Thermom. 8pm.	notes.	Rain.
Mo. 22.	30.19	NW ₂ .	34	More fair, the gale ceased morn'g, partly clear, but after 9 showery, dark, and cold, and the evening nearly the same.		60 &	08
	-22	NW ₂ .	37				
		NW ₂ .	39				
Tu. 23.	-10	SW ₁ .	33	Foggy, followed by light rain in the forenoon. Fair and clearer at 1, but soon became dark & foggy again.		□ 1/2 &	07
	-20	W ₁ .	38				
		W ₀ .	44				
W. 24.	-30	SW ₂ .	37	Foggy & milder, close, and dark, but clearer & no fog after 12, clouds loftier than before, and a more drying air.			
	-32	SW ₂ .	42				
		SW ₂ .	48				
Th. 25.	-30	W ₂ .	41	Fine & bright morn'g, and the same all day mild & cheering.		very fine & pleasant.	
	-41	NW ₂ .	46	The Evening also fine, & chiefly clear, wind rising.			
		W ₂ .	48				
F. 26.	-28	W ₄ .	38	Windy, bright & drying morning, and continued a very blowing day, with clouds & sun. Hazy Evening, moon dim.		Drying wind.	
	-26	WSW ₆ .	44				
		SW ₃ .	48				
S. 27.	-49	SW ₁ .	38	Cloudy & calm, mild and pleasant morning, but soon became foggy, & more wind at times. Mild and blowing night.		moon 1 st Dr 11.44pm. □ 0 1/2	
	-35	SW ₂ .	41				
		S ₃ .	47				
Su. 28.	-20	S ₄ .	44	Very mild, cloudy, and brisk wind, but clearer after 10, mostly bright, and very drying air, and a fine & mild Even'g.			
	-12	SW ₄ .	48				
		SW ₂ .	51 1/2				
42.374			265 326 5	Mean Temp 42° 28.) Rain E: over 2.47			
			592				

December 1862.

Dec.	Baro. met.	Wind.	Thermom. lowest	8 am	highest	Weather, &c.	Thermom. 8pm.	notes.	Rain 2.47
M. 29.	29.76	S 5.	43			Cloudy, blowing & mild. little rain at noon, and at 2pm. Evening clear and fine, and wind very much less all night. -	44		.05
		SW 4.		46					
	-56	SW 3.			48½				
Tu. 30.	-57	SW 1.	38			Very fine and bright, with gentle wind, but distant storm clouds on horizon. & more clouds after 2pm. Fine & clear Even. -	40		
	-68	WSW 1.		38					
		W 1.			45				
W. 31.	30.13	NW 1.	33			Bright with grey clouds, but chiefly very bright, all day, & colder breeze. -		698	
	-27	NW 3.		34		Clear & cold Evening. -	35		
		NW 2.			42				
17897			114	1355		Mean of 3 days 41° 59.		Total rain - 2.52	

Barometer.
Highest on 15th & 27th - 30.49
Lowest on 20th - 29.44
Range - 1.05
Mean of month - 30.08
Gales on 8 days!

Thermometer.
Highest on the 6th - 55
Lowest on 12th & 15th - 32
Range - 23
Mean daily range 8.32
Mean of Month 42.37.

Winds most SW; Fine days 15 in number; and the
depth of rain 2.52 Inches in December 1862.

This was a very mild and squally month, with
much cloud, and great prevalence of SW wind.
Considerable rain fell at times, and saturated
the land, to the overflowing of the brooks during
the month. Sickness prevailed, and the mortality
was the full average.

The year 1862 was one of a very peculiar charac-
ter, for at no time was it winterly cold, nor
was the heat during the summer so great as
we usually experience, yet in July and Au-
gust we had intervals of very fine and hot
weather, befitting the season. - It was still
more singular that in March, a general fog-
giness often prevailed, with a very close and
warm state of air. The end of April, and
first week of May, chiefly very hot, and that
the 6th of May should have been the hottest day
of the year, is another remarkable fact.
Again that the greater part of June was very
gloomy, wet, and unusually cool, so as to put
a check upon the hitherto early state of all
the vegetation; this was a very notable trait in the
character of the year. November was a great
and sudden transition from previous mild-
autumnal days to somewhat winterly state,
and lastly that December was more than
4 degrees above its mean temperature, and nearly
2 degrees warmer than November had been -
is another interesting fact; all combined to
constitute it as a year of anomalous charac-
ter. The monthly tabular statement overleaf
will complete the picture of 1862, together with
what is here detailed, for the information of
posterity, and for comparison with our years
in general.

General Results, 1862.

1862	Winds.								Gales	Fine days	Depth of rain	Mean Bar.	mean Temp.	Mean daily range.
	E	W	N	S	NE	SE	NW	SW						
Jan.	3	3	0	2	1	6	4½	11½	3	16	2.32	29.93	38°13	8°50.
Feb.	3	1	1	2½	7½	6	1½	5½	5	21	1.00	30.16	41.39	8°41.
Mar.	1	1	1	1	12	3½	3½	8	3	14	3.33	29.77	44.05	11°46.
Apr.	1	4½	1	2½	6	2½	4	8½	3	15	1.85	30.11	50.12	14°95.
May.	2	3	0	1½	3½	9½	1½	10	0	20	2.30	30.01	58.14	17°77.
June	0	9	2	3	0	1	6	9	1	10	3.37	29.98	58.15	14°60.
July.	1	7	0	1	2	4	0	16	0	23	1.47	30.04	61.67	16°35.
Aug.	3	3½	2	3	4	7	2½	6	1	24	3.47	30.06	62.20	15°20.
Sept.	4	4	0	2	8	4	2	6	0	20	2.23	30.16	60.02	13°61.
Oct.	3	3½	1	2	1	4	3	13½	4	17	3.48	30.02	53.20	11°40.
Nov.	3½	2	2	1	7	4	6½	4	3	20	1.50	30.04	40.62	9°75.
Dec.	1	4½	0	2	0	5	6½	12	8	15	2.52	30.08	42.37	8°32.
1862	25½	46	10	23½	52	56½	41½	110	31	215	28.84	30.03	50°83	12°52

Highest Barom. on Feb 8th 30.69. with fine frosty day.
and on Oct 4th 30.61. very fine and warm.

Lowest ----- on Oct 20th 29.20. Heavy gale S S E & W.

Colest on January 18th and 19th and Feb 8th ~
Thermom from 22° to 23°.

Hottest on May 6th Therm 84°, and on July 26th
and August 1st, Therm 80°.

Orlando Whistcraft.

